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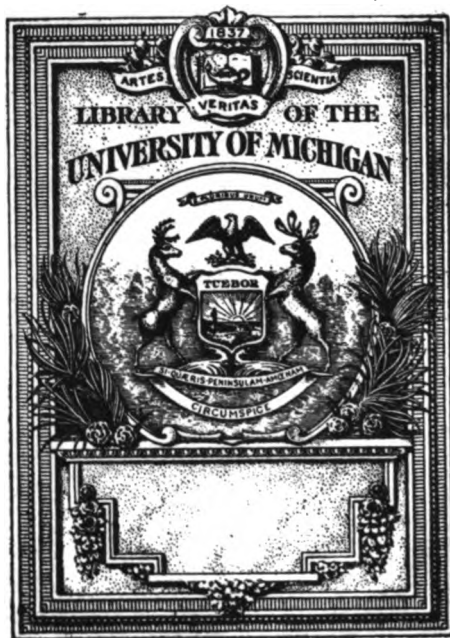
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65TH CONGRESS : : : 3^D SESSION

DECEMBER 2, 1918—MARCH 4, 1919

SENATE DOCUMENTS


VOL. 7

WASHINGTON : : GOVERNMENT PRINTING OFFICE : : 1919

NAVY YEARBOOK

EMBRACING ALL ACTS AUTHORIZING
THE CONSTRUCTION OF SHIPS
OF THE "NEW NAVY"

AND

A RÉSUMÉ OF ANNUAL NAVAL APPROPRIATION
LAWS FROM 1883 TO 1919, INCLUSIVE

WITH TABLES SHOWING PRESENT NAVAL
STRENGTH, IN SHIPS AND PERSONNEL,
AND COST OF MAINTAINING THE NAVY
OF THE UNITED STATES

ALSO

STATISTICS OF FOREIGN NAVIES

COMPILED BY

ARCHIBALD ODEN, JR.



WASHINGTON
GOVERNMENT PRINTING OFFICE
1919

[Sundry civil act, June 25, 1910, 36 Stats., 708.]

* * * and hereafter said Navy Yearbook shall be prepared and published for each calendar year and distributed as other public documents; and six thousand additional copies shall be printed and bound in cloth and distributed as follows: One thousand five hundred for the Senate, three thousand for the House of Representatives, one thousand for the Navy Department, and five hundred for the Committees on Naval Affairs of Senate and House.

PREFATORY NOTE.

This volume contains 35 annual naval appropriation acts, commencing with the act of March 3, 1883, the special war or deficiency appropriation acts of June 15 and October 6, 1917, and March 28, April 26, and June 4, 1918, the personnel law, the war personnel law (act of May 22, 1917), and the usual statistical tables.

To hold the Yearbook to one volume routine language repeated from year to year in successive naval appropriation acts is entirely omitted from the Yearbook for 1917 and 1918, except as hereafter stated. This also applies to the special or war deficiency appropriation acts, *supra*.

The appropriation act of March 3, 1883, the temporary act of July 7, 1884, the special increase of Navy act of August 3, 1886, the special act of April 26, 1918, and the appropriation acts of March 4, 1917, and July 1, 1918, are printed in full—all new language in the two last-named acts being in italics. The act temporarily to increase the commissioned and warrant and enlisted strength of the Navy and Marine Corps, and for other purposes, approved May 22, 1917, also is printed in full.

A separate chapter is devoted to the personnel act of March 3, 1899, and changes authorized by various subsequent acts.

Of the appropriation acts from 1884 to 1916, inclusive, only so much is printed as is needed to show the changes from year to year.

To supplement this abbreviated text and to facilitate comparison of any particular year with any other as well as to give the total cost of the new Navy, there is appended a tabulated statement showing by individual appropriations under each bureau of the Navy Department all amounts carried by the regular naval acts and also by the several deficiency acts from March 3, 1883, to date.

A separate edition of the Yearbook for 1917 was not gotten out because during the progress of the war it was not possible to get certain statistical data regarding foreign navies which it has been customary to publish in the Yearbook, and, moreover, it would not have been compatible with the public interests to have published certain parts of the statistical information concerning the United States Navy which it has been the practice for the Yearbook to contain. Consequently, the 1917 and 1918 editions are here printed in one volume.

ARCHIBALD ODEN, Jr.

INTRODUCTION.

The initial legislation for rebuilding the Navy commenced with the act of August 5, 1882 (Statutes, vol. 22, p. 291), which stipulated, under limitations, that no more money should be spent upon old wooden vessels and provided for the appointment of a Naval Advisory Board. The following are the important features of the act:

* * * *Provided*, That no part of this sum [the regular annual appropriation for the Bureau of Construction and Repair] shall be applied to the repairs of any wooden ship when the estimated cost of such repairs shall exceed thirty per centum of the estimated cost of a new ship of the same size and like material: *Provided*, Nothing herein contained shall deprive the Secretary of the authority to order repairs of ships damaged in foreign waters or on the high seas, so far as may be necessary to bring them home. Any portion of said sum not required for the purposes aforesaid may be applied toward the construction of two steam cruising vessels of war, which are hereby authorized, at a total cost, when fully completed, not to exceed the amount estimated by the late Naval Advisory Board for such vessel, the same to be constructed of steel, of domestic manufacture, having as near as may be a tensile strength of not less than sixty-thousand pounds to the square inch, and a ductility in eight inches of not less than twenty-five per centum; said vessels to be provided with full sail-power and full steam-power. One of said vessels shall be of not less than five thousand nor more than six thousand tons displacement, and shall have the highest attainable speed, and shall be adapted to be armed with not more than four breech-loading rifled cannon, of high power, of not less than eight-inch caliber, or two of ten-inch caliber, and not more than twenty-one breech-loading rifled cannon, of high power, of not less than six-inch caliber; one of said vessels shall be of not less than four thousand three hundred nor more than four thousand seven hundred tons displacement, and shall have the highest attainable speed, and shall be adapted to be armed with four breech-loading rifled cannon, of high power, of not less than eight-inch caliber, or two of ten-inch caliber, and not more than fifteen breech-loading rifled cannon, of high power, of not less than six-inch caliber. The Secretary of the Navy is hereby empowered and directed to organize a board of naval officers and experts for his advice and assistance, to be called the "Naval Advisory Board," to serve during the period required for the construction, armament, and trial of the vessels hereby authorized to be constructed, and no longer. Said board shall consist of five officers on the active list of the Navy in the line and the staff, to be detailed by the Secretary of the Navy, without reference to rank and with reference only to character, experience, knowledge, and skill, and two persons of established reputation and standing, as experts in naval or marine construction, to be selected from civil life, and employed for this sole duty by the Secretary of the Navy, and to be paid such sum, out of the appropriation hereby made, not exceeding eleven thousand dollars, as he may direct: *Provided however*, That no person shall be a member of said board who has any interest, direct or indirect, in any invention, device, or process, patented or otherwise, to be used in the construction of said vessels, their engines, boilers, or armament, nor in any contract for the same. It shall be the duty of said board to advise and assist the Secretary of the Navy, in his office or elsewhere, in all matters referred to them by him relative to the designs, models, plans, specifications, and contracts for said vessels in all their parts, and relative to the materials to be used therein and to the construction thereof, and especially relative to the harmonious adjustment, respectively, of their hulls, machinery, and armament; and they shall examine all materials to be used in said vessels, and inspect the work on the same as it progresses, and have general supervision thereof, under the direction of said Secretary. But said board shall have no power to make or enter into any contract, nor to direct or control any

officer of the Navy, the chief of any bureau of the Navy, or any contractor. Neither of the vessels hereby authorized to be built shall be contracted for or commenced until full and complete detail drawings and specifications thereof, in all its parts, including the hull, engines, and boilers, shall have been provided or adopted by the Navy Department, and shall have been approved, in writing, by said board, or by a majority of the members thereof, and by the Secretary of the Navy; and after said drawings and specifications have been provided, adopted, and approved as aforesaid, and the work has been commenced or a contract made for it, they shall not be changed in any respect, when the cost of such change shall in the construction exceed five hundred dollars, except upon the approval of said board, or a majority of the members thereof, in writing, and upon the written order of the Secretary of the Navy; and, if changes are thus made, the actual cost thereof and the damage caused thereby shall be ascertained, estimated, and determined by said board; and in any contract made pursuant to this act it shall be provided in the terms thereof that the contractor shall be bound by the determination of said board, or a majority thereof, as to the amount of the increased or diminished compensation said contractor shall be entitled to receive, if any, in consequence of such change or changes. The Secretary of the Navy is hereby authorized to cause the said cruising vessels of war aforesaid to be provided with interior deflective steel armor, if the same, upon full investigation, shall seem to be practicable and desirable, and if the same shall be approved by said board, or a majority thereof, in writing. Before any of the vessels hereby authorized shall be contracted for or commenced the Secretary of the Navy shall, by proper public advertisement and notice, invite all engineers and mechanics of established reputation, and all reputable manufacturers of vessels, steam-engines, boilers, and ordnance, having or controlling-regular establishments, and being engaged in the business, all officers of the Navy, and especially all naval constructors, steam-engineers, and ordnance officers of the Navy, having plans, models, or designs of any vessels of the classes hereby authorized, or of any part thereof, within any given period, not less than sixty days, to submit the same to said board; and it shall be the duty of said board to carefully and fully examine the same and to hear any proper explanation thereof, and to report to the Secretary of the Navy, in writing, whether, in their opinion, any such plan, model, or design, or any suggestion therein, is worthy of adoption in the construction of said vessels, their engines, boilers, or armament; and if in such construction any such plan, model, design, or suggestion shall be adopted, for the use of which any citizen not an officer of the Navy would have a just claim for compensation, the contractor shall bind himself to discharge the government from all liability on account of such adoption and use: *Provided*, That said Naval Advisory Board herein provided for shall, under the direction of the Secretary of the Navy, prepare plans, drawings, and specifications for vessels, their machinery, and armament, recommended by the late Naval Advisory Board not herein authorized to be built.

FORTY-SEVENTH CONGRESS, SECOND SESSION—MARCH 3, 1883.

[PUBLIC—No. 48.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and eighty-four, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the following sums be, and they are hereby, appropriated, to be paid out of any money in the Treasury not otherwise appropriated, for the naval service of the government for the year ending June thirtieth, eighteen hundred and eighty-four, and for other purposes:

For the pay of the Navy, for the active-list, namely: Pay of the Navy, active list. For one Admiral, one Vice-Admiral, ten rear-admirals, eight chiefs of bureaus, twenty-four commodores, forty-eight captains, ninety commanders, eighty lieutenant-commanders, two hundred and eighty lieutenants, one hundred masters, the title of which grade is hereby changed to that of lieutenants, and the masters now on the list shall constitute a junior grade of and be commissioned as lieutenants, having the same rank and pay as now provided by law for masters, but promotion to and from said grade shall be by examination as provided by law for promotion to and from the grade of master, and nothing herein contained shall be so construed as to increase the pay now allowed by law to any officer in the line or staff; one hundred ensigns, ninety-one midshipmen, the title of which grade is hereby changed to that of ensign, and the midshipmen now on the list shall constitute a junior grade of, and be commissioned as, ensigns, Title of master changed to lieutenant. having the same rank and pay as now provided by law for midshipmen, but promotions to and from said grade shall be under the same regulations and requirements as now provided by law for promotion to and from the grade of midshipmen, and nothing herein contained shall be so construed as to increase the pay now allowed by law to any officer of said grade or of any officer of relative rank; fourteen medical directors, fifteen medical inspectors, fifty surgeons, eighty passed assistant surgeons, twelve assistant surgeons, two assistant surgeons not in the line of promotion who shall hereafter, after fifteen years' service, be entitled to receive, as annual pay, when at sea, two thousand one hundred dollars, when on shore duty, one thousand eight hundred dollars, and when on leave or waiting orders one thousand six hundred dollars, thirteen pay directors, twelve pay inspectors, fifty paymasters; thirty past assistant paymasters, twenty assistant paymasters, sixty-nine chief engineers, ninety-Title of midshipman changed to ensign.

nine past assistant engineers, sixty-two assistant engineers, sixty-two cadet engineers, twenty-three chaplains, eleven professors of mathematics, ten naval constructors, six assistant naval constructors, ten civil engineers, one hundred and ninety-five warrant officers, forty mates, three hundred and thirty-five naval cadets; in all, three million nine hundred and forty thousand eight hundred dollars: Hereafter only one-half of the vacancies in the various grades in the staff corps of the navy shall be filled by promotion until such grades shall be reduced to the numbers fixed for the several grades of the staff corps of the navy by the act of August fifth, eighteen hundred and eighty-two, making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and eighty three, and for other purposes.

Pay of re-
tired officers.

For pay of the retired list, namely: For forty-six rear-admirals, twenty-one commodores, eleven captains, ten commanders, sixteen lieutenant-commanders, nine lieutenants, eleven masters, six ensigns, one midshipman, twenty-two medical directors, two medical inspectors, two surgeons, four passed assistant surgeons, seven assistant surgeons, seven pay-directors, two pay-inspectors, four paymasters, two passed assistant paymasters, one assistant paymaster, ten chief engineers, twenty-one passed assistant engineers, twenty-five assistant engineers, eight chaplains, six professors of mathematics, one chief constructor, three civil engineers, eleven boatswains, nine gunners, eleven carpenters, and nine sailmakers; in all, seven hundred and three thousand one hundred and eighty dollars:

Pay of petty
officers and en-
listed force.

For pay to petty officers, seamen, ordinary seamen, landsmen, and boys, including men in the engineers' force, and for the Coast Survey Service, not exceeding eight thousand two hundred and fifty in all, two million four hundred and ninety thousand dollars.

Pay, miscel-
laneous.

For two secretaries, one to the Admiral and one to the Vice-Admiral, clerks to paymasters, clerks at inspections, navy-yards, and stations, and extra pay to men enlisted under honorable discharge; commission and interest, transportation of funds, exchange, mileage to officers while traveling under orders in the United States, and for actual personal expenses of officers while traveling abroad under orders; and for actual and necessary traveling expenses of naval cadets while proceeding from their homes to the Naval Academy for examination and appointment as cadets and for the payment of any such officers as may be in service, either upon the active or retired list, during the year ending June thirtieth, eighteen hundred and eighty-four, in excess of the numbers of each class provided for in this act, and for any increase of pay arising from different duty, as the needs of the service may require, three hundred thousand dollars. And all officers of the Navy shall be credited with the actual time they

may have served as officers or enlisted men in the regular or volunteer Army or Navy, or both, and shall receive all the benefits of such actual service in all respects in the same manner as if all said service had been continuous and in the regular Navy in the lowest grade having graduated pay held by such officer since last entering the service: *Provided*, That nothing in this clause shall be so construed as to authorize any change in the dates of commission or in the relative rank of such officers: *Provided further*, That nothing herein contained shall be so construed as to give any additional pay to any such officer during the time of his service in the volunteer army or navy.

For contingent expenses of the Navy, namely: For rent and furniture of buildings and offices not in navy-yards; expenses of courts-martial and courts of inquiry, boards of investigation, examining boards, with clerks' and witnesses' fees, and traveling expenses and costs; stationery and recording; expenses of purchasing-paymasters' offices at the various cities, including clerks, furniture, fuel, stationery, and incidental expenses; newspapers and advertising; foreign postage; telegraphing, foreign and domestic; telephones; copying; care of library; mail and express wagons, and livery and express fees; costs of suits; commissions, warrants, diplomas, and discharges; relief of vessels in distress, and pilotage; recovery of valuables from shipwrecks; quarantine expenses; care and transportation of the dead; for putting in order and preserving the grave of Paul Hamilton, a former Secretary of the Navy, the expenditure therefor not to exceed one hundred dollars; reports, professional investigation, cost of special instruction, and information abroad, and the collection and classification thereof; and all other emergencies and extraordinary expenses, arising at home or abroad, but impossible to be anticipated or classified, exclusive of personal services in the Navy Department or any of its subordinate bureaus or offices at Washington, District of Columbia, one hundred thousand dollars.

Contingent expenses.

BUREAU OF NAVIGATION.

For foreign and local pilotage and towage of ships of war; services and materials in correcting compasses on board ship, and for adjusting and testing compasses on shore; nautical and astronomical instruments, nautical books, maps, charts, and sailing directions, and repairs of nautical instruments for ships of war; books for libraries for ships of war; naval signals and apparatus, namely, signal-lights, lanterns, rockets, running-lights, drawings, and engravings for signal-books; compass-fittings, including binnacles, tripods, and other appendages of ships' compasses; logs and other appliances for measuring the ship's ways, and leads and other appliances for

Navigation and supplies.

sounding; lanterns and lamps, and their appendages, for general use on board ship, including those for the cabin, ward-room, and steerage, for the holds and spirit-room, for decks and quartermasters' use; bunting and other materials for flags, and making and repairing flags of all kinds; oil for ships of war, other than that used for the engineer department; candles when used as a substitute for oil in binnacles and running-lights; for chimneys and wicks; and soap used in navigation department; stationery for commanders and navigators of vessels of war, and for use of courts-martial; musical instruments and music for vessels of war; steering-signals and indicators, and for speaking-tubes and gongs for signal communication on board vessels of war; and for introducing electric lights on board vessels of war, not exceeding five thousand dollars; in all, one hundred thousand dollars.

Ocean surveys.

For special ocean surveys and the publication thereof, ten thousand dollars.

Contingent.

For contingent expenses of the Bureau of Navigation, namely: For freight and transportation of navigation materials; postage and telegraphing on public business; advertising for proposals; packing-boxes and materials; and all other contingent expenses, four thousand dollars.

Civil establishment.

For the civil establishment at navy-yards and stations, five thousand dollars.

BUREAU OF ORDNANCE.

Ordnance and ordnance stores.

For procuring, producing, and preserving ordnance material; for the armament of ships, and for fuel, tools, materials and labor to be used in the general work of the Ordnance Department for these purposes, one hundred and fifty thousand dollars. And any balance of the appropriation made for commencing the manufacture of steel rifled breech-loading guns, with carriages and ammunition, that may be unexpended during the fiscal year eighteen hundred and eighty-three, is hereby re-appropriated and made available for continuing that service during the fiscal year ending June thirtieth, eighteen hundred and eighty-four.

Repairs, Bureau of Ordnance.

For necessary repairs to ordnance buildings, magazines, gun parks, boats, lighters, wharves, machinery, and other objects of the like character, including breakwaters at the magazine, Ellis Island, New York, and the erection of a shell-filling house at the Bellevue magazine, Washington, fifteen thousand dollars.

Special board for locating Government foundry.

That the President of the United States is hereby authorized and requested to select from the Army and Navy six officers, who shall constitute a board for the purpose of examining and reporting to Congress which of the navy-yards and arsenals, owned by the government has the best location and is best adapted for the establishment of a government foundry, or what other method,

if any, should be adopted for the manufacture of heavy ordnance adapted to modern warfare, for the use of the Army and Navy of the United States, the cost of all buildings, tools, and implements necessary to be used in the manufacture thereof, including the cost of a steam-hammer or apparatus of sufficient size for the manufacture of the heaviest guns; and that the President is further requested to report to Congress the finding of said board at as early a date as possible: *Provided*, That no extra compensation shall be paid the officers serving on the board hereby created.

For miscellaneous items, namely: For freight to foreign and home stations, advertising and auctioneers' fees, cartage and express charges, repairs to fire-engines, gas and water pipes, gas and water tax at magazines, toll, ferriage, foreign postage, and telegrams, three thousand dollars.

Contingent.

For the civil establishment at navy-yards and stations, five thousand dollars.

Civil establishment.

For the torpedo corps, namely: For labor, material, and freight and express charges; general repairs to grounds, buildings, and wharves; boats' instruction, instruments, tools, experiments, and general torpedo outfits, fifty thousand dollars.

Torpedo corps.

For the purchase and manufacture, after full investigation and test in the United States under the direction of the Secretary of the Navy, of torpedoes adapted to naval warfare, or of the right to manufacture the same and for the fixtures and machinery necessary for operating the same, one hundred thousand dollars: *Provided*, That no part of said money shall be expended for the purchase or manufacture of any torpedo or of the right to manufacture the same until the same shall have been approved by the Secretary of the Navy, after a favorable report to be made to him by a board of naval officers to be created by him to examine and test said torpedoes and inventions.

Torpedoes.

BUREAU OF EQUIPMENT AND RECRUITING.

For equipment of vessels: For coal for steamers' and ships' use, including expenses of transportation, storage, and handling; hemp, wire, hides, and other materials for the manufacture of rope and cordage; iron for manufacture of cables, anchors, galleys, and chains; canvas for the manufacture of sails, awnings, bags, and hammocks; heating apparatus for receiving-ships; and for the purchase of all other articles of equipment at home and abroad, and for the payment of labor in equipping vessels and manufacture of equipment articles in the several navy-yards, eight hundred thousand dollars; and the Secretary of the Navy is authorized and empowered, within his discretion, to constitute and introduce, as a

Equipment of vessels.

portion of the equipment of the Navy, the life saving dress adopted and approved by the Life Saving Service of the United States.

Transportation and recruiting.

For expenses of recruiting: For expenses of recruiting, rent of rendezvous, and expenses of maintaining the same, advertising for men and boys, and all other expenses attending the recruiting for the naval service, and for the transportation of enlisted men and boys, at home and abroad, twenty-five thousand dollars.

Contingent.

For contingent expenses equipment and recruiting: For extra expenses of training-ships, freight and transportation of equipment stores, printing, advertising, telegraphing, books and models, postage, car-tickets, ferriage, ice, apprehension of deserters and stragglers, assistance to vessels in distress, continuous-service certificates and good-conduct badges for enlisted men, school books for training-ships, extra medals for boys, and emergencies arising under cognizance of Bureau of Equipment and Recruiting unforeseen and impossible to classify, ten thousand dollars.

Civil establishment.

For the civil establishment at navy-yards and stations, nine thousand dollars.

BUREAU OF YARDS AND DOCKS.

Maintenance.

For general maintenance of yards and docks, namely: For freight and transportation of materials and stores, books, models, maps, and drawings; purchase and repair of fire-engines; machinery, repairs on steam fire engines, and attendance on the same; purchase and maintenance of oxen and horses, and driving teams, carts, and timber-wheels, and all vehicles for use in the navy-yards, and tools and repairs of the same; dredging; postage on letters and other mailable matter on public service and telegrams; furniture for government houses and offices in the navy-yards; coal and other fuel; candles, oil, and gas; cleaning and clearing up yards, and care of public buildings; attendance on fires; lights; fire engines and apparatus; for clerical and incidental labor at navy-yards; water-tax, and for toll and ferriages; rent of officers' quarters at League Island; pay of the watchmen in the navy-yards; and for awning and packing-boxes and advertising, two hundred and sixty-four thousand dollars, of which sum sixty-four thousand dollars shall be immediately available.

Contingent.

For contingent expenses that may arise at navy-yards and stations, twenty thousand dollars.

Civil establishment.

For the civil establishment at navy-yards and stations, twenty-four thousand dollars.

BUREAU OF MEDICINE AND SURGERY.

For support of the medical department: For surgeons' necessities for vessels in commission, navy-yards, naval stations, Marine Corps, and Coast Survey, forty thousand dollars.

Medical Department.

For the naval-hospital fund, namely: For maintenance of the naval hospitals at the various navy-yards and stations, thirty thousand dollars. And if the Secretary of the Navy shall not be able to maintain properly the whole number of naval hospitals now kept open on the amounts hereby appropriated for the maintenance of and civil establishment at naval hospitals, he shall close those which are least necessary to the service, and provide for the patients now cared for therein at such other naval hospitals as may be most convenient.

Naval hospital fund.

For contingent expenses of the bureau: For freight on medical stores; transportation of insane patients to the government hospital; advertising; telegraphing; purchase of books; expenses attending the medical board of examiners; rent of rooms for naval dispensary, hygienic and sanitary investigation and illustration; purchase and repair of wagons and harness; purchase and feed of horses and cows; trees, garden tools, and seeds, twenty-five thousand dollars.

Contingent.

For necessary repairs of naval laboratory, naval hospitals, and appendages, including roads, wharves, out-houses, sidewalks, fences, gardens, farms, and cemeteries, fifteen thousand dollars.

Repairs.

For the maintenance of the civil establishment at the several naval hospitals, navy-yards, naval laboratory, and Naval Academy, twenty thousand dollars.

Civil establishment.

BUREAU OF PROVISIONS AND CLOTHING.

For provisions for the seamen and marines; commuted rations for officers, seamen, and marines; expenses of the handling and transportation of provisions; of inspections and storehouses; purchase of water for ships for cooking and drinking purposes, and for provisions and commutation of rations for seven hundred and fifty boys, one million one hundred thousand dollars.

Provisions, Navy.

For contingent expenses: For freight on shipments (except provisions), candles, fuel; books and blanks; stationery; advertising and commissions on sales; furniture for inspection and pay-offices in navy-yards; foreign postage, telegrams, and express charges; toll, ferriages, and car-tickets; yeomans stores, iron safes, ice, newspapers, and incidental expenses absolutely necessary, forty thousand dollars.

Contingent.

For civil establishment, six thousand dollars.

Civil establishment.

BUREAU OF CONSTRUCTION AND REPAIR.

For preservation and completion of vessels on the stocks and in ordinary; purchase of materials and stores of all kinds; labor in navy-yards and on foreign stations; preservation of materials; purchase of tools; wear, tear, and repair of vessels afloat, and for general care, increase, and protection of the Navy in the line of construction and repair, and incidental expenses, namely, advertising and foreign postage, one million one hundred thousand dollars: *Provided*, That no part of this sum shall be applied to the repairs of any wooden ship when the estimated cost of such repairs, to be appraised by a competent board of naval officers, shall exceed twenty per centum of the estimated cost, appraised in like manner, of a new ship of the same size and like material: *Provided further*, That nothing herein contained shall deprive the Secretary of the Navy of the authority to order repairs of ships damaged in foreign waters or on the high seas, so far as may be necessary to bring them home.

Construction and repair of vessels.

Wooden vessels, repairs to, limited.

Civil establishment.

For the civil establishment, twenty thousand dollars.

BUREAU OF STEAM ENGINEERING.

For repairs, completion, and preservation of machinery and boilers, including steam steerers, steam capstans, steam windlasses, and so forth, in vessels on the stocks and in ordinary; purchase and preservation of all materials and stores; purchase, fitting, and repair of machinery and tools in the navy-yards and stations; wear, tear, and repair of machinery and boilers of naval vessels; incidental expenses, such as foreign postages, telegrams, advertising, freight, photographing, books, stationery, and instruments, one million dollars: *Provided*, That no part of said sum shall be applied to the repair of engines and machinery of wooden ships where the estimated costs of such repair shall exceed twenty per centum of the estimated cost of new engines and machinery of the same character and power, but nothing herein contained shall prevent the repair or building of boilers for wooden ships, the hulls of which can be fully repaired for twenty per centum of the estimated cost of a new ship of the same size and material.

Steam machinery.

* Contingent.

Civil establishment.

For contingencies, such as instruments and materials for draughting-room, one thousand dollars.

For the civil establishment, ten thousand dollars.

INCREASE OF THE NAVY.

To be applied by the Secretary of the Navy under the appropriate bureaus: For engines and machinery for the double-turreted iron-clads, in accordance with the recommendations of the Naval Advisory Board, one million dollars.

Machinery for double-turreted iron-clads.

The execution of no contract shall be entered upon for the completion of the engines and machinery of either of these vessels until the terms thereof shall be approved by said Board, who shall approve only contracts which may be to the best advantages of the government, and fair and reasonable, according to the lowest market price for similar work. And the Secretary of the Navy shall take possession of the double-turreted iron-clads, and if he thinks best, remove the same to the government navy-yards; and he shall ascertain the amounts which ought to be paid to the contractors severally for the use and occupation of their yards with said ships, and for the care thereof, and report the same, with all the facts connected therewith, to Congress.

Approval by board.

For the construction of the steel cruiser of not less than four thousand three hundred tons displacement now specially authorized by law, two steel cruisers of not more than three thousand nor less than two thousand five hundred tons displacement each, and one dispatch boat, as recommended by the Naval Advisory Board in its report of December twentieth, eighteen hundred and eighty-two, one million three hundred thousand dollars; and for the construction of all which vessels, except their armament, the Secretary of the Navy shall invite proposals from all American ship-builders whose ship-yards are fully equipped for building or repairing iron and steel steamships, and constructors of marine engines, machinery, and boilers; and the Secretary of the Navy is authorized to construct said vessels and procure their armament at a total cost for each not exceeding the amounts estimated by the Naval Advisory Board in said report, and in the event that such vessels or any of them shall be built by contract, such building shall be under contracts with the lowest and best responsible bidder or bidders, made after at least sixty days' advertisement, published in five of the leading newspapers of the United States, inviting proposals for constructing said vessels, subject to all such rules, regulations, superintendence, and provisions as to bonds and security for the due completion of the work as the Secretary of the Navy shall prescribe; and no such vessel shall be accepted unless completed in strict conformity with the contract, with the advice and assistance of the Naval Advisory Board, and in all respects in accordance with the provisions of the act of August fifth, eighteen hundred and eighty-two, except as they are hereby modified; and the authority to construct the same shall take effect at once; and the Secretary of the Navy may, in addition to the appropriation hereby made, apply to the constructing and finishing of the vessels in this clause referred to any balance of the appropriation made to the Bureaus of Construction and Repair and Steam-Engineering for the current fiscal year or in the present act which may remain available for

Steel cruisers and dispatch boat (Chicago, Boston, Atlanta and Dolphin).

Proposals.

Armament.

Navy yards,
utilization of.

that purpose: *Provided*, That he shall utilize the national navy-yards, with the machinery, tools, and appliances belonging to the government there in use in the building of said ships, or any parts thereof, as fully and to as great an extent as the same can be done with advantage to the government.

Civilian ex-
perts on Naval
A d v i s o r y
Board.

The services and expenses of the two civilian expert members of the Naval Advisory Board may be paid from the appropriations for the increase of the Navy, not exceeding eleven thousand dollars.

Testing de-
fective turrets.

For investigating and testing the practicability of defective turrets designed by Passed Assistant Engineer N. B. Clark, twenty thousand dollars, to be available immediately, the investigation and test to be made by the Naval Advisory Board.

NAVAL ACADEMY.

Pay of pro-
fessors and
others.

For pay of professors and others: For two professors, namely, one of mathematics and one of chemistry, at two thousand five hundred dollars each; three professors (assistants), namely, one of physics, one of Spanish, and one of English studies, history, and law, at two thousand two hundred dollars each; six assistant professors, namely, four of French, one of English studies, history, and laws, and one of drawing, at one thousand eight hundred dollars each; sword-master, at one thousand five hundred dollars, and two assistants, at one thousand dollars each; boxing-master and gymnast, at one thousand two hundred dollars; assistant librarian, at one thousand four hundred dollars; secretary of the Naval Academy, one thousand eight hundred dollars; three clerks to Superintendent, at one thousand two hundred dollars, one thousand dollars, and eight hundred dollars, respectively; one clerk to commandant of cadets, one thousand two hundred dollars; one clerk to paymaster, one thousand dollars; one dentist, one thousand six hundred dollars; one baker, six hundred dollars; one mechanic in department of physics and chemistry, seven hundred and thirty dollars; one cook, three hundred and twenty-five dollars and fifty cents; one messenger to Superintendent, six hundred dollars; one armorer, five hundred and twenty-nine dollars and fifty cents; one gunner's mate, four hundred and sixty-nine dollars and fifty cents, and one quarter-gunner, four hundred and nine dollars and fifty cents; one cockswain, four hundred and sixty-nine dollars and fifty cents; one seaman in the department of seamanship, at three hundred and forty-nine dollars and fifty cents; six attendants at recitation rooms, library, store, chapel, and offices, at two hundred and forty dollars each; one band master, five hundred and twenty-eight dollars; twenty-one first-class musicians, at three hundred and forty-eight dollars each; seven second class musicians at

three hundred dollars each; one attendant in the department of astronomy and one in the department of physics and chemistry, at three hundred dollars each; in all, fifty-three thousand five hundred and fifty-nine dollars.

For pay of watchman and others: For captain of the watch and weigher, at two dollars and fifty cents per day; four watchmen, at two dollars per day each; foreman of the gas and steam heating works of Academy, at five dollars per day; ten attendants at gas and steam heating works, one at three dollars, one at two dollars and fifty cents, and eight at two dollars per day each; one steam-pipe fitter, six hundred dollars; one foreman of joiners, one foreman of painters, and one foreman of masons, at three dollars and fifty cents per day each; one mason, at three dollars per day; two joiners and one painter, at two dollars and fifty cents per day each; one tinner, one gas-fitter, and one blacksmith, at two dollars and fifty cents per day each; in all, twenty-three thousand and sixty-two dollars and fifty cents.

For pay of mechanics and others: For one mechanic at workshop, at two dollars and twenty-five cents per diem; one master-laborer, to keep public grounds in order, at two dollars and twenty-eight cents per diem; fourteen laborers, to assist in same, three at two dollars per diem each and eleven at one dollar and fifty cents per diem each; one laborer, to superintend quarters of cadet-midshipmen and public grounds, at two dollars per diem; twenty servants, to keep in order and attend to quarters of cadet-midshipmen and public buildings, at twenty dollars per month each; in all, fourteen thousand five hundred and ninety dollars and twenty-three cents.

For pay of the employees in the department of steam-engineering, Naval Academy: One master-machinist, one boiler-maker, and one pattern-maker, at three dollars and fifty cents per day each; two machinists and one blacksmith, at two dollars and fifty cents per day each; four laborers, at one dollar and fifty cents per day each; in all, seven thousand six hundred and seventy-one dollars.

For necessary repairs of public buildings, pavements, wharves, and walls inclosing the grounds of the Naval Academy, and for improvements, repairs, and furniture and fixtures, twenty-one thousand dollars: *Provided*, That no appropriations provided for in this act shall be construed to authorize or be applied to a new building for the use of the Superintendent or other officers of the Academy.

Repairs, Naval Academy.

For fuel, and for heating and lighting the Academy and schoolships, seventeen thousand dollars.

Heating and Lighting.

For contingent expenses, Naval Academy: For purchase of books for the library, two thousand dollars.

Contingent.

For stationery, blank-books, models, maps, and for text-books for use of instructors, two thousand dollars.

For expenses of the Board of Visitors to the Naval Academy, one thousand five hundred dollars.

For purchase of chemicals, apparatus, and instruments in the department of physics and chemistry, and for repairs of the same, two thousand five hundred dollars.

For purchase of gas and steam machinery; steam-pipe and fittings; rent of building for the use of the Academy; freight; cartage; water; music; musical and astronomical instruments; uniforms for the bandsmen; telegraphing; for feed and maintenance of teams; for current expenses and repairs of all kinds; and for incidental labor and expenses not applicable to any other appropriation, thirty-four thousand six hundred dollars.

For stores in the department of steam-enginery, eight hundred dollars.

For materials for repairs in steam-machinery, one thousand dollars.

MARINE CORPS.

Pay, Marine Corps—
Officers a c-
tive list.

For pay of officers on the active-list, as follows: For one colonel commandant, one colonel, two lieutenant-colonels, one adjutant and inspector, one quartermaster, one paymaster, four majors, two assistant quartermasters, one judge advocate-general, United States Navy, nineteen captains, thirty first lieutenants, and twenty-two second lieutenants, one hundred and seventy-four thousand and forty dollars.

Officers re-
tired list.

For pay of officers on the retired-list: For one colonel, three majors, two assistant quartermasters, two captains, two first lieutenants, and three second lieutenants, twenty-five thousand eight hundred and fifty-eight dollars.

Pay of non-
commissioned
officers and en-
listed force.

For pay of non-commissioned officers, musicians, and privates: For one sergeant-major, one quartermaster-sergeant, one leader of the band, and one drum-major, fifty first sergeants, one hundred and forty sergeants, one hundred and eighty corporals, thirty musicians, ninety-six drummers and fifers, and one thousand five hundred privates, three hundred and eighty-nine thousand and fifty-two dollars.

Miscellaneous
items.

For ten clerks and two messengers, sixteen thousand and thirty-five dollars; payments to discharged soldiers for clothing undrawn, twenty thousand dollars; transportation of officers traveling under orders without troops, eight thousand dollars; commutation of quarters for officers where there are no public buildings, ten thousand dollars; in all, fifty-four thousand and thirty-five dollars.

Provisions,
clothing, fuel.

For provisions for the Marine Corps, and for difference between cost of rations and commutation thereof for detailed men, sixty thousand dollars.

For clothing, seventy-seven thousand dollars.

For fuel, eighteen thousand dollars.

For military stores, namely: For pay of one chief armorer, at three dollars per day; three mechanics, at two dollars and fifty cents per day each; purchase of military equipments, such as cartridge-boxes, bayonet-scabbards, haversacks, blanket-bags, canteens, musket-slings, swords, flags, knapsacks, drums, fifes, bugles, and other instruments, five thousand dollars; purchase of ammunition, one thousand dollars; purchase and repair of instruments for the band, and purchase of music, five hundred dollars; in all, nine thousand seven hundred and eighty-six dollars and fifty cents.

Military stores.

For transportation of troops and for expenses of recruiting, ten thousand dollars.

Transportation and recruiting.

For repairs of barracks, and rent of buildings to be used for the manufacture of clothing, stores for supplies, and offices of assistant quartermaster at Philadelphia, and for hire of quarters where there are no public buildings, ten thousand dollars.

Repair of barracks.

For forage for four public horses, one for messenger to commandant and staff, Washington, District of Columbia, and three for general use at marine barracks, Mare Island, California, and League Island Pennsylvania, seven hundred and twenty dollars.

Forage.

For the purchase of forage, four thousand six hundred and eighty dollars: *Provided*, That no commutation for forage shall be paid.

For contingencies, namely: For freight; ferriage; toll; cartage; funeral expenses of marines; stationery; telegraphing; rent of telephone; apprehension of deserters; per diem to enlisted men employed on constant labor, for periods not less than ten days; repair of gas and water fixtures; office and barrack furniture; mess utensils for enlisted men; packing-boxes; wrapping-paper; oil-cloth; crash; rope; twine; carpenter's tools; tools for police purposes; purchase and repair of hose; repairs to public carryall; purchase and repair of harness; repair of fire extinguishers; purchase and repair of handcarts and wheelbarrows; purchase and repair of cooking-stoves, and ranges, stoves where there are no grates; purchase of ice; towels and soap for offices; improving parade-grounds; repair of pumps and walks; laying drain and water pipes; introducing gas; and for other purposes, including gas and oil for marine barracks maintained at the various navy-yards and stations; and water at marine barracks, Boston, Massachusetts, Brooklyn, New York, Annapolis, Maryland, and Mare Island, California; also straw for bedding for enlisted men at the various posts, and furniture for government houses; in all, twenty-five thousand dollars.

Contingent.

At the Naval Asylum, Philadelphia, Pennsylvania: For superintendent, six hundred dollars; steward, four hundred and eighty dollars; matron, three hundred and sixty dollars; cook, two hundred and forty dollars; two

Naval Asylum, Philadelphia.

assistant cooks, one hundred and sixty-eight dollars each; chief laundress, one hundred and ninety-two dollars; six laundresses, at one hundred and sixty-eight dollars each; nine scrubbers and waiters, at one hundred and sixty-eight dollars each; six laborers, at two hundred and forty dollars each; stable keeper and driver, three hundred and sixty dollars; master-at-arms, four hundred and eighty dollars; corporal, three hundred dollars; barber, three hundred and sixty dollars; carpenter, eight hundred and forty-five dollars; water rent and gas, two thousand dollars; ice, two hundred dollars; car tickets, two hundred and fifty dollars; cemetery and burial expenses, and headstones, three hundred and fifty dollars; improvement of grounds, five hundred dollars; repairs to buildings and preservation of all kinds, painting, and for grates, furnaces, ranges, furniture, and repairs of furniture, four thousand five hundred dollars; and for support of beneficiaries, forty-three thousand five hundred dollars; in all, fifty-nine thousand eight hundred and thirteen dollars, which sum shall be paid out of the income from the naval pension fund.

Officers, employment of, on shore duty.

Required by the public interests.

SEC. 2. That hereafter no officer of the Navy shall be employed on any shore duty, except in cases specially provided by law, unless the Secretary of the Navy shall determine that the employment of an officer on such duty is required by the public interests, and he shall so state in the order of employment, and also the duration of such service, beyond which time it shall not continue.

Approved, March 3, 1883.

FORTY-EIGHTH CONGRESS, FIRST SESSION—JULY 7, 1884.

[PUBLIC—No. 113.]

AN ACT Making temporary provision for the naval service.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That for the purpose of providing for the expenses

of the naval service for the six months ending December thirty first, eighteen hundred and eighty four, there is hereby appropriated out of any money in the Treasury not otherwise appropriated one half or fifty per centum of the sums of money (and for the like purposes and continuing the same provisions relating thereto) as were appropriated for the service of the fiscal year ending June thirtieth, eighteen hundred and eighty four, by the act entitled "An act making appropriations for the naval service for the fiscal year ending June thirtieth eighteen hundred and eighty-four and for other purposes" approved March third eighteen hundred and eighty three (except as hereinafter declared), subject to all the limitations and conditions in respect to the disbursement of the appropriations hereby made that were imposed by said act and the other laws of the United States upon or in respect to the appropriations made by said act: *Provided*, That nothing is appropriated by this act "for special ocean surveys and the publication thereof" or "for the purchase and manufacture after full investigation and test in the United States under the direction of the Secretary of the Navy of torpedoes adapted to naval warfare or of the right to manufacture the same and for the fixtures and machinery necessary for operating the same"; That the clause under the heading "Bureau of Yards and Docks" commencing "For general maintenance of yards and docks" is amended so as to appropriate for the six months herein provided for the sum of one hundred and ten thousand dollars;

Expenses of
naval service
for six months
ending Dec. 31,
1884.

That under the heading "Increase of the Navy" in said act, in lieu of all the paragraphs thereunder and preceding the heading of "Naval Academy" there is hereby substituted the following:

For continuing work upon the three new steel cruisers and one dispatch boat authorized by act of Congress approved March third eighteen hundred and eighty-three as follows: Chicago three hundred and forty nine thousand one hundred and thirty three dollars and forty five cents; Boston, two hundred and thirty one thousand eight hundred and fifty three dollars and twenty eight cents;

Continuing
work on three
new steel
cruisers.

Atlanta two hundred and thirty one thousand eight hundred and fifty three dollars and twenty seven cents; Dolphin one hundred and eight thousand six hundred and sixty dollars, in all nine hundred and twenty one thousand five hundred dollars; the four pivot-guns of the Chicago to be mounted on Clark's defective single-gun turrets or V shields, of the same weight as is now allowed for the mounting and armor protection of the guns: *Provided*, That it shall not change the contract entered into by the Government for the construction of said vessels.

"For completion of steam-machinery and boilers, with necessary fittings for sea-service, of steel cruisers and dispatch boat, under contract with John Roach, as per act approved March third, eighteen hundred and eighty-three: United States steel cruiser Chicago, two hundred and twenty thousand dollars; United States steel cruiser Boston, one hundred and fifty five thousand dollars; United States steel cruiser Atlanta, one hundred and fifty five thousand dollars; United States dispatch-boat Dolphin, ninety thousand dollars; in all, six hundred and twenty thousand dollars.

"For completing equipment outfits of three new cruisers and one dispatch-boat, now in course of construction, seventy eight thousand six hundred dollars."

"For navigation outfit of the four new steel cruisers, thirty thousand dollars."

"For ordnance outfit of the three new steel cruisers and one dispatch boat, five hundred thousand dollars."

Nothing herein contained shall be construed as appropriating money for or authorizing the continuation of work upon the double-turreted-monitors, *Monadnock*, *Terror*, *Amphitrite*, and *Puritan*, and any unexpended balance now remaining of the appropriation contained in said act approved March third, eighteen hundred and eighty three, for engines and machinery for the said double turreted-monitors shall be covered into the Treasury, except such part thereof as may be required under existing contracts made for the engines and machinery of the three last named monitors.

Work on four
monitors pro-
hibited.

Approved, July 7, 1884.

FORTY-EIGHTH CONGRESS, SECOND SESSION—JANUARY 30, 1885.

[PUBLIC—No. 19.]

AN ACT making additional appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and eighty-five, and for other purposes.

[Only so much of this act is quoted as is new. Provision is made for the Naval Establishment and, under "Pay of the Navy," is added an item, "* * * for traveling expenses of apothecaries, yeomen, and civilian employees, * * *"]

All the items under contingent expenses of the Navy for fiscal year 1884 have been transferred and included intact in the appropriation "Pay, miscellaneous," 1885, except:

"For all emergencies and extraordinary expenses arising at home or abroad, but impossible to be anticipated or classified, exclusive of personal services in the Navy Department or any of its subordinate bureaus or offices at Washington, District of Columbia, seven thousand five hundred dollars."]

BUREAU OF NAVIGATION.

Provision is made "for erection of compass-testing house." Compass-testing house.

BUREAU OF ORDNANCE.

Provision is made, under ordnance and ordnance stores, "* * * for furniture at magazines, at the ordnance dock, New York, and at the naval experimental battery, . * * *." Furniture.

BUREAU OF PROVISIONS AND CLOTHING.

It is "* * * provided that all enlisted men and boys in the Navy, attached to any United States vessel or station and doing duty thereon, and naval cadets, shall be allowed a ration, or commutation thereof in money, under such limitations and regulations as the Secretary of the Navy may prescribe." Ration or commutation allowed.

BUREAU OF CONSTRUCTION AND REPAIR.

Provision is made for "* * * telegrams, photographing, books, plans, stationery, and instruments for drawing-room, * * *."

BUREAU OF STEAM ENGINEERING.

Provision appropriating "* * * the unexpended balance of the appropriation of one million dollars made by the act approved March third, eighteen hundred and

eighty-three, for engines and machinery for the double-turreted iron-clads be, and the same is hereby, reappropriated and made available during the last half of the year ending June thirtieth, eighteen hundred and eighty-five, * * *."

INCREASE OF THE NAVY.

Mohican.

Provision "for completing the Mohican at the Mare Island Navy Yard, fifty thousand dollars.

"For care and safe-keeping of the iron-clad monitors now in the hands of the contractors, when they shall have been turned over to the Government by said contractors, five thousand dollars."

* * * * *

MARINE CORPS.

Limiting number of officers of Marine Corps.

A provision " * * * From and after the passage of this act there shall be no appointments, except by promotion, to fill vacancies occurring in the list of commissioned officers of the Marine Corps until the number of such officers shall have been reduced, by casualties or otherwise, below seventy-five as fixed by the act approved June thirtieth, eighteen hundred and seventy-six; and after the number of officers shall be reduced as above provided, the whole number of commissioned officers on the active list in the Marine Corps shall not exceed seventy-five."

* * * * *

A provision " * * * That all appropriations made by the act of July seventh, eighteen hundred and eighty-four, making temporary provisions for the naval service for the six months ending December thirty-first, eighteen hundred and eighty-four, or any balances thereof that may be unexpended at that date, be, and they are hereby, reappropriated, continued, and made available for the remainder of the fiscal year ending June thirtieth, eighteen hundred and eighty-five.

Secretary of the Navy to report to Congress; civilian employees.

" * * * That the Secretary of the Navy is hereby directed to report to Congress, at its next and each regular session thereafter, the amount expended during the prior fiscal year, from the appropriations for the pay of the Navy, Bureaus of Navigation, Ordnance, Equipment and Recruiting, Yards and Docks, Medicine and Surgery, Provisions and Clothing, Construction and Repair, and Steam-Engineering, for civilians employed on clerical duty, or in any other capacity than as ordinary mechanics and workmen, and to submit, under the estimates for pay of the Navy and for the respective Bureaus enumerated above, specific estimates for such civilian employees for the fiscal year eighteen hundred and eighty-seven, and each fiscal year thereafter."

Approved, January 30, 1885.

FORTY-EIGHTH CONGRESS, SECOND SESSION—MARCH 3, 1885.

[PUBLIC—No. 90.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and eighty-six, and for other purposes.

["Pay of the Navy" contains practically the same items as the act for the previous year, but after the paragraph "For pay to petty officers, seamen, ordinary seamen, landsmen, and boys, including men in the engineer's force and for the Coast Survey service, not exceeding eight thousand two hundred and fifty in all, two million four hundred and ninety thousand dollars," there is a division headed "Miscellaneous," which contains the remainder of the items formerly under "Pay of the Navy," beginning "For two secretaries, one to the Admiral and one to the Vice-Admiral, clerks to paymasters, clerks at inspections, navy-yards, and stations, and extra pay to men enlisted under honorable discharge;" and continuing with practically the same language as in previous act to the end of the paragraph.]

BUREAU OF ORDNANCE.

Wording is slightly changed. Practically the same items appropriated for as heretofore with some additions and, in altered form, as follows:

"For preserving and handling ordnance and ordnance material of the kinds now in service, for the armament of ships therewith, for the purchase or manufacture of ammunition therefor, for materials and labor to be used in the general work of the Ordnance Bureau for these purposes; for furniture at magazines, at the ordnance dock, New York, and at the naval ordnance proving-ground, * * *."

A provision "for the purchase or manufacture of steel guns of small caliber for ships now in service, and for testing the same at the naval ordnance proving ground, * * *."

Steel guns of small caliber.

"For the completion and public test of two breech-loading rifle cannon of the larger calibers now in course of construction for the Navy, with carriages and ammunition for both, * * *."

Two breech-loading rifled cannon.

"For completing a six-inch wire-wound gun, * * *"
"For testing American armor made of American material, * * *."

One six-inch wire-wound gun.
American armor.

BUREAU OF MEDICINE AND SURGERY.

* * * * *

A provision "for contingent expenses of the bureau: For * * * expressage on medical stores; toll, fer- Contingent expenses."

riages; * * * rent of telephones; * * * postage and purchase of stamps for foreign service; * * * rent of rooms for * * * museum of hygiene; * * * plants; * * * furniture and incidental articles for museum of hygiene, naval dispensary, Washington, naval-laboratory, sick-quarters at Naval Academy, and dispensaries at navy-yards; washing for medical department at museum of hygiene, naval dispensary, Washington, naval laboratory, sick-quarters at Naval Academy, dispensaries at navy-yards, and for receiving-ships and rendezvous, twenty-five thousand dollars."

Naval laboratory.

* * * * *

BUREAU OF PROVISIONS AND CLOTHING.

"For provisions for the seamen and marines; commuted rations for * * *, naval cadets, * * *."

Provisions, Navy.

A provision for expenses of naval clothing factory.

NAVAL ACADEMY.

Practically the same expenditures as in previous acts, provided for with slight changes.

INCREASE OF THE NAVY.

Under "Increase of the Navy" it is provided: "To enable the President to strengthen the naval establishment of the United States by additional vessels of the best and most modern design, having the highest attainable speed, the sum of one million eight hundred and ninety-five thousand dollars is hereby appropriated, to be expended as follows and under the following limitations:

Two additional cruisers.

"For the construction of two cruisers of not less than three thousand nor more than five thousand tons displacement, costing, exclusive of armament, not more than one million one hundred thousand dollars each; one heavily armed gunboat of about sixteen hundred tons displacement, costing, exclusive of armament, not more than five hundred and twenty thousand dollars; and one light gunboat of about eight hundred tons displacement, costing, exclusive of armament, not more than two hundred and seventy five thousand dollars; and authority is hereby given for the construction of said four vessels, at not exceeding the total cost for each above specified, in accordance with such final plan as may be determined upon, after a revision and reconsideration of all designs which have been heretofore made, and in the manner and conformity to the conditions and limitations provided for the construction of the new cruisers in the acts of August fifth, eighteen hundred and eighty-two, and of March third, eighteen hundred and eighty-three, except so far as said acts provide for and define the duties of Naval Advisory Board.

Two additional gunboats.

"SEC. 2. That the President be, and he is hereby, authorized to return the Arctic steamer Alert to Her Maj-

esty's Government, with the thanks of the Government of the United States for the generous and graceful act of courtesy in so promptly tendering the gift of that vessel, and for the valuable service thereby rendered to the cause of science and humanity.

"Sec. 3. That the Secretary of the Navy be, and he is hereby, directed to transfer to the Treasury Department, for use as a revenue-cutter in the waters of Alaska, the steamer Bear, of the late Greely relief expedition, and is hereby authorized to place the steamer Thetis for use in the Navy, as a surveying vessel or otherwise."

Bear.
Thetis.

Approved, March 3, 1885.

FORTY-NINTH CONGRESS, FIRST SESSION—JULY 26, 1886.

[PUBLIC—No. 139.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and eighty-seven, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

PAY OF THE NAVY.

Provision: "For the pay of officers on sea-duty; officers on shore and other duty; officers on waiting orders; officers on the retired-list; Admiral's and Vice-Admiral's secretaries; clerks to commandants of yards and stations; clerks to paymasters at yards and stations; inspections; receiving-ships and other vessels; extra pay to men re-enlisting under honorable discharge; pay of petty officers, seamen, landsmen, and boys, including men in the engineers' force, and for the Coast Survey service and Fish Commission, seven thousand five hundred men and seven hundred and fifty boys at the pay prescribed by law; * * *." Officers' duty differentiated.

PAY, MISCELLANEOUS.

"* * * ferriage, tolls, * * *; canal tolls * * *; cost of special instruction at home or abroad, including maintenance of students, * * * . and other necessary incidental expenses, * * *." Canal tolls, tuition, etc.

Provision: "For the compensation of the two civilian members of the Naval Advisory Board for the time they may serve after June thirtieth, eighteen hundred and eighty-six, at the rate of two thousand five hundred dollars each for six months, and of two hundred and fifty dollars each for traveling and other expenses for six months, five thousand five hundred dollars: *Provided*, That the sum accepted by them under this act shall be in full of all services rendered after June thirtieth, eighteen hundred and eighty-six." Civilian experts, Naval Advisory Board, pay of.

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BUREAU OF NAVIGATION.

Provisions: "For preparing and engraving on copper plates the surveys of the Mexican coast, and for publishing the same, * * *." Surveys, Mexican coast.
"For completing compass-testing houses, and furniture for same, * * *."

- Contingent, additions. "For contingent expenses of the Bureau of Navigation, namely: For * * * furniture, stationery, and fuel for navigation offices at navy-yards, * * *."
- Transit of Venus Commission. "For the completion and other expenses connected with the reduction of the observations of the transit of Venus, in eighteen hundred and seventy-four and eighteen hundred and eighty-two, to be expended under the direction of the Transit of Venus Commission: *Provided*, That said Commission shall deliver all the instruments and other public property in its possession into the custody of the Secretary of the Navy, three thousand dollars."
- Civil establishment. "For the civil establishment at navy-yards and stations, including master of tugs, storekeepers, clerks, writers, and all clerical work, * * *; and no other fund appropriated by this act shall be used in payment for such services."

BUREAU OF ORDNANCE.

- * * * * *
- Test of rifled cannon. "One or more rifled cannon of each type constructed at the cost of the United States for the Navy shall be publicly subjected to the proper test for endurance, including such rapid firing as a like gun would be subjected to in battle. This test shall be under the direction and to the satisfaction of the Secretary of the Navy, and if such guns do not prove satisfactory, the type they represent shall not be put in use in the naval service."
- * * * * *
- Civil establishment. "For the civil establishment at navy-yards and stations, including writers, clerks, foreman, draughtsmen, assistant draughtsman, and a chemist, twenty-three thousand two hundred and four dollars; and no other fund appropriated by this act shall be used in payment for such services."
- * * * * *
- Ferry launch. "For new ferry-launch, in place of the one now in use, which shall be sold, and building fuse-room and coalshed, * * *."
- Armament, steam cruisers. "Chicago, Boston, Atlanta, and Dolphin: To complete the armament of the three steam-cruisers, the Chicago, Boston, and Atlanta, and the dispatch boat Dolphin, * * *."

BUREAU OF EQUIPMENT AND RECRUITING.

- Civil establishment. "For the civil establishment at navy-yards and stations, including clerks, writers, and superintendent of rope-walk, * * *."

BUREAU OF YARDS AND DOCKS.

“For the civil establishment at navy-yards and stations, consisting of writers, clerks, messengers, telegraph operators, draughtsmen, foreman laborers and foreman masons, quartermen brick and stone masons, and pilots, including the work of bell-ringing and lamp lighting, * * *; and no other fund appropriated by this act shall be used in payment for such service.”

Civil estab-
lishment.

* * * * *

BUREAU OF PROVISIONS AND CLOTHING.

“For * * * commuted rations stopped on account of sick in hospital and credited to the hospital fund; water for drinking and cooking purposes on board ships; and for labor and expenses of inspections, * * *; and the sum of two hundred and fifty thousand dollars of the amount now standing to the credit of the clothing fund, and the further sum of seventy-five thousand dollars of the amount now standing to the credit of the small stores fund of the Bureau of Provisions and Clothing shall be forthwith covered into the Treasury.”

Credits of
clothing fund
and small
stores fund
covered into
the Treasury.

“For the civil establishment, to include firemen, writers, receivers, assistant receivers, messengers, leading men and pressmen in inspection office, superintendent of coffee and spice mill, box-maker, coffee-roaster, engineer, teamster, telephone-operating, cutter, machine-operator, and two laborers, thirty-five thousand dollars; and no other fund appropriated by this act shall be used in payment for such services.”

Civil estab-
lishment.

BUREAU OF CONSTRUCTION AND REPAIR.

“* * * *Provided*, That in the discretion of the Secretary of the Navy thirty thousand dollars of the amount hereby appropriated may be used to repair and furnish a suitable vessel, if in his judgment it can be done without injury to the service, said vessel to be used as a nautical school ship at the port of Philadelphia, Pennsylvania, under the authority and provisions of the act of Congress of June twentieth, eighteen hundred and seventy-four; but the United States shall be put to no charge or expense and shall incur no liability in relation to said vessel while the same is in such use: * * *.”

School ship.

“Chicago, Boston, Atlanta, and Dolphin: To complete the construction of the three steel cruisers the Chicago, Boston, and Atlanta, and to pay the amount due on the dispatch-boat Dolphin, authorized by the act approved March third, eighteen hundred and eighty-three, ninety-five thousand eight hundred and sixty-one dollars.”

Completion
of three steel
cruisers and
one dispatch
boat.

BUREAU OF STEAM-ENGINEERING.

Civil estab-
lishment.

* * * * *

“For the civil establishment in the navy-yards, to include clerks, draughtsmen, assistant draughtsmen, messengers, writers, receivers, and weighers, * * * .”

“The duties of the several clerks, writers, and other employees at the navy-yards appropriated for in this act shall be designated by the Secretary of the Navy or under his direction.”

NAVAL ACADEMY.

Special
course study,
naval cadets.

* * * * *

“For special course of study and training of naval cadets, as authorized by act of Congress approved August fifth, eighteen hundred and eighty-two, five thousand dollars.”

Board of
Visitors.

* * * * *

“For expenses of the Board of Visitors to the Naval Academy, * * * , being for mileage and five dollars per diem for each member for expenses during actual attendance at the Academy.”

Huron dead.

* * * * *

“For head-stones for the graves of sixty sailors and marines buried in the naval cemetery at the Naval Academy, Annapolis, Maryland, who lost their lives by being wrecked in the United States steamer Huron, five hundred dollars.”

Naval Ob-
servatory.

* * * * *

“For commencing the erection of the new Naval Observatory on the site purchased under the act of Congress approved February fourth, eighteen hundred and eighty, fifty thousand dollars: *Provided*, That the construction of no building shall be commenced except an observatory proper, with necessary offices for observers and computers.”

Balances
turned into
Treasury.

* * * * *

For “All balances of moneys appropriated for the pay of the Navy or pay of the Marine Corps, for any year existing after the accounts for said year shall have been settled shall be covered into the Treasury.”

Approved, July 26, 1886.

FORTY-NINTH CONGRESS, FIRST SESSION—AUGUST 3, 1886.

[PUBLIC—No. 167.]

AN ACT To increase the Naval establishment.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the President is hereby authorized to have constructed, as hereinafter provided—

First. Two sea-going double-bottomed armored vessels of about six thousand tons displacement, designed for a speed of at least sixteen knots an hour, with engines having all necessary appliances for working under forced draught, and costing, including engines and machinery and excluding armament, not more than two million five hundred thousand dollars each. Said vessels shall have each a complete torpedo outfit and be armed in the most effective manner. Armored ves-
sels.

Second. One protected double-bottomed cruiser of not less than three thousand five hundred nor more than five thousand tons displacement, designed to have the highest practicable speed and furnished with the best type of modern engines, furnished with necessary appliances for working under forced draught. Said vessel shall cost, including engines and machinery and excluding armament, not exceeding one million five hundred thousand dollars. Cruiser.

Third. One first class torpedo-boat, costing in the aggregate not more than one hundred thousand dollars. Torpedo
boat.

SEC. 2. That the vessels hereinbefore authorized to be constructed shall be built of steel of domestic manufacture, having a tensile strength of not less than sixty thousand pounds per square inch, and an elongation in eight inches of not less than twenty-five per centum.

SEC. 3. That the President is hereby authorized to direct the completion, as hereinafter provided, of the double-turreted monitors Puritan, Amphitrite, Monadnock, and Terror, at a total cost, exclusive of armament, not to exceed three million one hundred and seventy-eight thousand and forty-six dollars. Completion
of monitors.

SEC. 4. That the armor used in constructing said armored vessels and for completing said monitors shall be of the best obtainable quality and of domestic manufacture, provided contracts for furnishing the same in a reasonable time, at a reasonable price, and of the required quality can be made with responsible parties. Such armor shall be accepted only after passing such tests as shall be prescribed by the Secretary of the Navy and inserted in the contracts. Armor of
domestic manu-
facture.

Completion
in navy yard
of one vessel.

SEC. 5. That the Secretary of the Navy shall cause one or more of the new vessels hereinbefore provided for to be constructed and one or more of the said monitors to be completed in one or more of the navy-yards of the United States; and if he shall be unable to contract with responsible parties to construct or complete, at reasonable prices, all or any of the vessels hereinbefore provided for, he shall cause the same to be constructed or completed in such of the navy-yards of the United States as may be best adapted thereto.

New vessels,
machinery of,
domestic manu-
facture.

SEC. 6. That the engines, boilers, and machinery of all the new vessels provided for by this act shall be of domestic manufacture and procured by contract, unless the Secretary of the Navy shall be unable to obtain the same at fair prices, in which case he may construct the same, or any portion thereof, in the navy-yards of the United States: *Provided*, That the Secretary of the Navy may purchase abroad only such shafting as it may be impossible to obtain in the United States in time for use in the construction of the vessels herein provided for.

SEC. 7. That the Secretary of the Navy shall not contract for the construction or completion of any of said vessels, or of their engines, machinery, or boilers, until drawings and specifications of the same shall have been provided or adopted by him; and after said drawings and specifications shall have been provided, adopted, and approved as aforesaid, and work shall have been commenced on any contract made therefor, such plans and specifications shall not be changed in any respect when the cost of such change in the execution of the work exceeds five hundred dollars, except upon the written order of the Secretary or Acting Secretary of the Navy; and if changes are thus made, the actual cost thereof and the damage caused thereby shall be ascertained, estimated, and determined by a board of naval officers to be provided for in the contract; and in any contract made pursuant to this act it shall be provided in the terms thereof that the contractor shall be bound by the determination of said board, or a majority thereof, as to the amount of increase or diminished compensation said contractor shall be entitled to receive, if any, in consequence of such change or changes. In every contract to be made under this act there shall be prescribed a period within which the work provided for in said contract, or specified portions thereof, shall be completed, and the completion of such work within the periods prescribed shall be insured by penal provisions. For the construction or completion of such vessels hereinbefore provided for as the Secretary of the Navy shall propose to have constructed or completed by contract, as well as also for the engines, boilers, and machinery hereinbefore provided for, he shall invite proposals from every American shipbuilder and other person who shall show to the satisfaction of the Secre-

Proposals
from American
shipbuilders.

tary of the Navy that within three months from the date of the contract he will be possessed of the necessary plant for the performance of the work in the United States which he shall offer to undertake, and such contract shall be let to the lowest and best responsible bidder or bidders, after at least sixty days' advertisement, published in five leading papers of the United States, inviting proposals for the work proposed, which work shall be subject to all such rules, regulations, superintendence by naval officers during construction, and provisions as to bonds and security for the quality and due completion of the work as the Secretary of the Navy shall prescribe; and no vessel, boiler, engine, machinery, or portion thereof shall be accepted unless completed in strict conformity with the contract; and the authority given hereby shall take effect at once. The Secretary of the Navy shall have the power to reject any or all bids made under the provisions of this act.

Sec. 8. That the sum of one million dollars is hereby appropriated towards the armament of the vessels authorized by the act of March third, eighteen hundred and eighty-five, of the vessels authorized by section one of this act, and of the unfinished monitors hereinbefore mentioned, and of the Miantonomoh; and the Secretary of the Navy is hereby authorized to direct the application of such portions of this sum as may be necessary to the manufacture or purchase of such tools and machinery or the erection of such structures as may be required for use in the manufacture of such armament, or any part thereof: *Provided*, That the Secretary of the Navy may contract with domestic manufacturers for the construction of such portion of the heavy guns herein provided for as may not be built by the Government.

Armament of vessels authorized.

Miantonomoh.

Sec. 9. That the Secretary of the Navy is hereby authorized to contract with the Pneumatic Dynamite-Gun Company of New York for one dynamite-gun cruiser, as follows: Said cruiser to be not less than two hundred and thirty feet long, twenty-six feet breadth of beam, seven and one-half feet draught, three thousand two hundred horse-power, and guaranteed to attain a speed of twenty knots an hour, and to be equipped with three pneumatic dynamite-guns of ten and one-half inch caliber, and guaranteed to throw shells containing two hundred pounds of dynamite or other high explosives at least one mile, each gun to be capable of being discharged once in two minutes, at a price not to exceed three hundred and fifty thousand dollars; said contract to be made only on condition that there shall be a favorable report made by the existing Naval Board on the system; to be paid for as the work progresses, and upon the report of such board or boards of inspectors as the Secretary of the Navy may for that purpose appoint, reserving thirty per centum on

Dynamite gun cruiser authorized.
Pneumatic Dynamite-Gun Company.

all such payments until the whole work is completed and accepted by the Secretary of the Navy.

The Pneumatic Dynamite-Gun Company shall furnish bonds satisfactory to the Secretary of the Navy for the faithful performance of its contract, and for the refunding of the money paid hereunder in case of the non-performance of the same, and shall further agree with the Secretary of the Navy upon a limit of price which shall not be exceeded in any future contracts which the Government may desire to enter into for the purchase of the company's guns.

Experiment
with torpedoes.

Sec. 10. That towards the construction and completion of the vessels hereinbefore mentioned, including the vessel and guns mentioned in section nine, the sum of two million five hundred thousand dollars is hereby appropriated, of which not more than seventy-five thousand dollars may be expended in manufacturing, purchasing, and experimenting with torpedoes of domestic manufacture and not exceeding one hundred and fifty thousand dollars may be expended, under the direction of the Secretary of the Navy, in improving the plant of such of the navy-yards as he may select.

Approved, August 3, 1886.

FORTY-NINTH CONGRESS, SECOND SESSION—MARCH 3, 1887.

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and eighty-eight, and for other purposes.

[In this act the method of dealing with civil establishment at navy yards and stations differs from the plan hitherto followed, in that the positions and salaries of the several employees are specifically mentioned. Publishing the statutory positions of clerical, drafting, inspection and messenger service at navy yards and stations is not deemed to be of sufficient importance to refer to here. Accordingly provisions relating to civil establishment, in so far as they relate to individual positions, are omitted until such time as the subject is later treated generally.

Provision is made for the Naval Establishment, and under the headings—]

BUREAU OF ORDNANCE.

For "ordnance and ordnance stores: * * * Twenty thousand four hundred dollars, or so much thereof as may be necessary, may be used, in the discretion of the Secretary of the Navy, for the purchase and completion of three steel-cast, rough-bored and turned, six-inch, high-power rifle cannon, of domestic manufacture, one of which shall be of Bessemer steel, one of open hearth steel, and one of crucible steel: *Provided*, That the castings for said cannon shall not be paid for until the cannon shall have been completed and have successfully stood the statutory test required by the act of July twenty-sixth, eighteen hundred and eighty-six, entitled 'An act making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and eighty-seven, and for other purposes.'

High - power
rifle cannon.

"For proof of naval armament, six thousand dollars.
"For purchase of land for proving and ranging ground for naval guns, and for constructing buildings, butts, shelters, and batteries, forty thousand dollars."

Proof of na-
val armament.
Proving
ground.

"Torpedo Corps: For * * * extension to electrical laboratory, three thousand dollars; ponton, eight hundred dollars; repairs to sea-wall, three thousand dollars; water-pipe from Newport to station, one thousand dollars; * * *"

Torpedo
Corps.

Provision "to enable the Secretary of the Navy to purchase the steamer *Stiletto* for use as a torpedo boat for experimental purposes, twenty-five thousand dollars."

Steamer
Stiletto.

BUREAU OF YARDS AND DOCKS.

- * * * * *
- Boston.** For "public works: For rebuilding wharves at navy-yard, Boston, Massachusetts, twenty-five thousand dollars;
 "For rebuilding floating-gate, dry-dock, Boston, Massachusetts, to be immediately available, thirty-one thousand dollars.
- Timber dry docks.** "For two timber dry-docks, to be located at such navy-yards as the Secretary of the Navy may indicate, each dock to be not less than four hundred and eighty feet in length, the cost of the two docks not to exceed in the aggregate the amount herein appropriated, one million one hundred thousand dollars;
- Norfolk.** "For railroad extension in the navy-yard at Norfolk, Virginia, and engine-house, twenty thousand dollars;
- Mare Island.** "For cisterns at the navy-yard at Mare Island, California, forty-six thousand three hundred and sixty-four dollars;
 "For repairs and preservation at navy-yards, four hundred and fifty thousand dollars;
- Training station, Coaster's Harbor Island.** "Naval Training Station, Coaster's Harbor Island, Rhode Island: For extending wharf and dredging; repairs to main causeway, sea-wall, roads, buildings, and grounds, and the necessary labor and implements required for the proper preservation of the same; for repairs and improvements on buildings; heating, lighting, and furniture for same; books and stationery; freight and other contingent expenses; purchase of food and maintenance of horses and mail-wagon, and attendance on same, fourteen thousand dollars.
- Naval Observatory.** "For continuing the erection of the new Naval Observatory authorized by the act of Congress approved July twenty-sixth, eighteen hundred and eighty-six, sixty thousand dollars, of which sum ten thousand dollars may be used for the purchase of a new meridian circle. Said observatory shall not cost more than four hundred thousand dollars and no work shall be done thereon except under a contract which shall provide for the completion of the same, upon plans previously adopted, for a sum not exceeding said limit of cost hereby affixed; * * *."

BUREAU OF MEDICINE AND SURGERY.

- * * * * *
- Naval hospital, Penobscot Bay, Me.** For "naval hospital and sanitarium: For the construction of a naval hospital and sanitarium, and wharf for landing, on Widows Island, Penobscot Bay, Maine, fifty thousand dollars, to be immediately available; said sum to be in full for all expenses of erecting and furnishing said sanitarium, including all necessary improvements on the island."
- * * * * *

For the improvement of the naval-hospital park at ^{Portsmouth,} Portsmouth, Virginia, five thousand dollars. _{va.}

BUREAU OF PROVISIONS AND CLOTHING.

* * * * *
 For contingent expenses: A provision to " * * * ^{Consolidating stores.} Consolidating pay the expenses of consolidating and arranging under orders of the Secretary of the Navy, the stores and other property of the United States under control of the Department of the Navy, to be immediately available, twenty thousand dollars, or so much thereof as may be necessary."

BUREAU OF CONSTRUCTION AND REPAIR.

" * * * *Provided*, * * * The Secretary of the ^{New York,} Navy shall sell the New York, under the laws and regulations applicable to the sale of condemned property in the Navy Department." _{sale of.}

NAVAL ACADEMY.

"For * * * repairs to wharves, * * * boat- ^{Repairs, mis-} house for steam launches and addition to library _{cellaneous.} building."

MARINE CORPS.

* * * * *
 "For pay of retired enlisted men: For one sergeant-major, one drum-major, one first sergeant, four sergeants, one first-class musician, two drummers, one fifer, and five privates, * * * ^{Pay of re-} _{tired enlisted men.}

"Provisions, Marine Corps: For one thousand non-commissioned officers, musicians, and privates, three hundred and sixty-six days, at one ration per day, three hundred and sixty-six thousand rations, at sixteen cents per ration; ^{Provisions, Marine Corps.}

"Difference between the cost of rations at sixteen cents and commutation at one dollar for one enlisted man employed as clerk to colonel commandant, three hundred and sixty-six days, three hundred and sixty-six rations, at eighty-four cents per ration;

"Difference between the cost of rations at sixteen cents and commutation at seventy-five cents for nine enlisted men employed as clerks and messengers in commandant's, adjutant and inspector's, paymaster and quartermaster's offices, Washington, District of Columbia, and assistant quartermaster's offices, Philadelphia, Pennsylvania, and San Francisco, California, three hundred and sixty-six

days, three thousand two hundred and ninety-four rations, at fifty-nine cents per ration;

"Difference between the cost of rations at sixteen cents and commutation at fifty cents for three enlisted men employed as above, three hundred and sixty-six days, one thousand and ninety-eight rations, at thirty-four cents per ration;

"Amount required to be transferred to paymaster Marine Corps on account of rations to retired men, seventeen men, at fifty-seven dollars and fourteen cents per annum; * * *

Clothing.

"Clothing, Marine Corps: For two thousand non-commissioned officers, musicians, and privates, at thirty-seven dollars and sixty cents actual cost per annum, * * *.

Officers' quarters, Mare Island.

"For repair of barracks: * * * For the erection officers' quarters at navy-yard, Mare Island, California (appropriation to be immediately available), fifteen thousand dollars, or so much thereof as may be necessary; and no more than said sum shall be expended for the erection and completion of said quarters, and no contract therefor shall be valid which shall not provide for the completion thereof for a sum within this appropriation; repairs of barracks, Mare Island, California, two thousand dollars; introducing steam-heating apparatus in marine barracks, Portsmouth, New Hampshire, as per estimates, one thousand seven hundred and fifty dollars; * * *

Hire of quarters.

"For hire of quarters for seven enlisted men employed as clerks and messengers in commandant's, adjutant and inspector's, paymaster and quartermaster's offices, Washington, District of Columbia, and assistant quartermasters' offices Philadelphia, Pennsylvania, and San Francisco, California, twenty-one dollars per month each, one thousand seven hundred and sixty-four dollars.

"For hire of quarters for three enlisted men employed as above, at ten dollars each per month, three hundred and sixty dollars; * * *."

INCREASE OF THE NAVY.

Two steel gunboats.

SEC. 2. That for the purpose of increasing the naval establishment of the United States the President is hereby authorized to have constructed by contract two steel gunboats each of about seventeen hundred tons displacement; of the type of gunboat number one; at a cost, exclusive of armament, of not more than five hundred and fifty thousand dollars each, two steel cruisers to be provided with such armament for each as the Navy Department may deem suitable. The cost of both of said cruisers in the aggregate, complete, exclusive of armament, and excluding any premiums that may be paid for speed for the same shall not be more than three million dollars. The sum of one million five hundred thousand dollars is

Two steel cruisers.

hereby appropriated out of any money in the Treasury not otherwise appropriated toward the construction of said vessels.

That in the construction of the aforesaid vessels all of the provisions of the act of August third, eighteen hundred and eighty-six, entitled "An act to increase the naval establishment," as to material for said vessels, their engines, boilers, and machinery, the contracts under which they are built, the notice of and proposals for the same, the plans, drawings, and specifications therefor, and the method of executing said contracts, shall be observed and followed, and said vessels shall be built in compliance with the terms of said act, so far as the same relate to vessels constructed under contract, save that in all their parts they shall be of domestic manufacture. The contracts for the construction of said cruisers shall contain provisions to the effect that the contractor guarantees that when completed and tested for speed, under conditions to be prescribed by the Navy Department, the vessel shall exhibit a maximum speed of at least nineteen knots per hour; and for every quarter knot of speed so exhibited above said guarantee the contractor shall receive a premium over and above his contract-price of fifty thousand dollars, and for every quarter knot that said vessel fails of reaching said guaranteed speed there shall be deducted from the contract-price the sum of fifty thousand dollars.

Speed provided for.

In making proposals for contracts for building the vessels authorized to be constructed under this act, it shall be required that one of such vessels shall be built on or near the coast of the Pacific Ocean, or the waters connecting therewith, one of them on or near the coast of the Gulf of Mexico, or the waters connecting therewith, and two of them on or near the coast of the Atlantic Ocean, or the waters connecting therewith, and at such places on or near such coasts or waters as the Secretary of the Navy shall approve.

If it shall appear to the satisfaction of the President of the United States, from the biddings for said contracts, when the same are opened and examined by him, that said vessels cannot be constructed at a fair cost on or near the coast of the Pacific Ocean or the Gulf of Mexico, he shall authorize the construction of said vessels or either of them elsewhere in the United States. And the Secretary of the Navy is hereby authorized to readvertise for the construction of cruiser number one, known as "The Newark," and the limit of cost of said vessel is hereby extended to one million three hundred thousand dollars, exclusive of armament.

Newark.

SEC. 3. That for the purpose of further increasing the naval establishment of the United States, the sums of money hereinafter named are hereby appropriated, out of any money in the Treasury not otherwise appropriated,

to be expended by the President, in the exercise of his discretion, upon plans and specifications, to be furnished by the Navy Department:

Coast and harbor defense.

For floating batteries or rams, or other naval structures, to be used for coast and harbor defense, one million dollars. The final cost of said floating batteries, rams, or other naval structures, exclusive of armament, shall not exceed two million dollars.

Torpedoes, etc.

For the purchase of, and the trial and testing of torpedoes and appliances using explosives to be operated from naval vessels, floating batteries, or rams, fifty thousand dollars, which sum shall be immediately available.

Domestic material to be used.

That the material used in all naval structures provided for in this act, and the armament for the same shall be, so far as practicable, of American production and furnished and manufactured in the United States, and all contracts made for their construction shall be under the provisions of the act of August third, eighteen hundred and eighty-six, entitled "An act to increase the naval establishment:": *Provided*, That the Secretary of the Navy may employ and pay out of appropriations for new ships such civilian expert aids, additional draughtsmen, writers, copyists, and model-makers on the designs therefor as may be necessary.

Five monitors.

SEC. 4. For expenditure towards the construction and completion (exclusive of armament) of the five double-turreted monitors, the four vessels authorized by the act of March third, eighteen hundred and eighty-five, and the vessels authorized by the act of August third, eighteen hundred and eighty-six, two million four hundred and twenty thousand dollars.

Armament.

Towards the armament, of domestic manufacture, for the vessels authorized by the act of March third, eighteen hundred and eighty-five, of the vessels authorized by sections one and two of the act of August third, eighteen hundred and eighty-six, of the unfinished monitors mentioned in section three of the same act, and of the Miantonomoh, and of the vessels authorized by this act, two million one hundred and twenty-eight thousand three hundred and sixty-two dollars.

Armor and gun steel.

Towards procuring, testing, and delivering the armor and gun steel for the vessels authorized by section one of the act of August third, eighteen hundred and eighty-six, and the unfinished monitors mentioned in section three of the same act, and the vessels authorized by this act, four million dollars: *Provided*, Said armor and gun steel shall be of domestic manufacture.

Approved, March 3, 1887.

FIFTIETH CONGRESS, FIRST SESSION—SEPTEMBER 7, 1888.

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and eighty-nine, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

* * * * *

BUREAU OF NAVIGATION.

* * * * *

Provides for "Training Station, Coasters' Harbor Island, Rhode Island: For repairs and improvements on buildings at Coasters' Harbor Island; heating, lighting, and furniture for same; books and stationery; freight and other contingent expenses; purchase of feed and maintenance of horses and mail-wagons, and attendance on same; and to enable the naval war college to be conducted at said Island up to January first, eighteen hundred and eighty-nine, ten thousand dollars: *Provided*, That the Secretary of the Navy is hereby authorized to consolidate and place under one command the torpedo station and the naval war college at Newport, Rhode Island, after said date."

Training station, Coasters Harbor Island.

Command, consolidation of, torpedo station and war college.

* * * * *

BUREAU OF ORDNANCE.

For "Ordnance and ordnance stores: For prizes to enlisted men for excellence in ordnance exercises and target practice, * * *"

Gunnery prizes for enlisted men.

"For ammunition for the guns of the Vesuvius, twelve thousand dollars;

Ammunition for Vesuvius.

* * * * *

"For modern guns and ammunition for instructing the cadets of the Naval Academy, fifty-five thousand dollars;

Modern guns and ammunition.

"For modern guns and ammunition for instructing the apprentices of the training squadron, fifty thousand dollars; * * *"

Torpedo corps: For—

"New landing stage, * * *";

"Completing repairs to sea-wall, * * *";

"Quarters for surgeon, * * *";

"For correcting the sanitary condition of the cottages used as quarters at the station, * * *"

BUREAU OF YARDS AND DOCKS.

- * * * * *
- For "public works.—Navy-yards and Stations:
- Boston.** "Navy-yard, Boston, Massachusetts: Water-pipes and laying of same, thirty-two thousand dollars.
- Brooklyn.** "Navy-yard, Brooklyn, New York: Repairs to building on cob-dock now used as recreation hall by enlisted men, five thousand dollars; boiler-shop and wing to machine-shop, sixty-eight thousand three hundred and forty dollars and forty-seven cents; one building for quarters for civil engineer, ten thousand dollars; reconstructing building number seven, partially destroyed by fire in January, eighteen hundred and eighty-eight, sixty thousand dollars; in all, one hundred and forty-three thousand three hundred and forty dollars and forty-seven cents.
- League Island.** "Navy-yard, League Island, Pennsylvania: For repairs and improvement of grounds and construction of protection wall, seventy-five thousand dollars; for one timber dry-dock, the contract price for the full completion of which shall not exceed the amount herein appropriated, five hundred and fifty thousand dollars; in all, six hundred and twenty-five thousand dollars.
- Washington.** "Navy-yard Washington, District of Columbia: For the better protection of the public property at the navy-yard, Washington, District of Columbia, from danger from fire by means of electric fire alarms, time signals and watchman detectors, one thousand dollars.
- Norfolk.** "Navy-yard, Norfolk, Virginia: Iron and steel shop, seventy-five thousand dollars; railroad extension, ten thousand dollars; boiler-shop extension, fourteen thousand four hundred and eighty-eight dollars; water system, fifteen thousand dollars; in all, one hundred and fourteen thousand four hundred and eighty-eight dollars.
- Mare Island.** "Navy-yard, Mare Island, California: Finishing boiler and machine-shop, four thousand two hundred dollars; extending wharf from coal-house to foundry, thirty thousand dollars; crane scow, seven thousand dollars; pile-driver, five thousand dollars; twelve-ton swinging crane, four thousand dollars; mud scow, four thousand five hundred dollars; in all, fifty-four thousand seven hundred dollars.
- Port Royal.** "Naval station, Port Royal, South Carolina: Fencing, two hundred and twenty-eight dollars; artesian well, one thousand dollars; boat-house, four hundred dollars; in all, one thousand six hundred and twenty-eight dollars.
- Commission to locate navy yards and dry docks.** "For the expenses of a commission of three officers, to be appointed by the Secretary of the Navy, to report as to the most desirable location on or near the coast of the Gulf of Mexico and the south Atlantic coast for navy-yards and dry docks and for the expenses of sounding and surveying and estimating expenses, fifteen thousand dollars. And the Secretary of the Navy be, and he is

hereby, required to appoint a commission composed of three competent naval officers, whose duty it shall be to examine the coast north of the forty-second parallel of north latitude, in the State of Oregon and Territories of Washington and Alaska, and select a suitable site, having due regard to the commercial and naval necessities of that coast, for a navy-yard and docks; and having selected such site, shall, if upon private lands, estimate its value and ascertain the price for which it can be purchased, and of their proceedings and action make full and detailed report to the Secretary of the Navy; and the Secretary of the Navy shall transmit such report, with his recommendations, to Congress. That to defray the expenses of such commission the sum of five thousand dollars of the above amount, or as much thereof as may be necessary, may be used."

"Adjustable stern-dock: For one adjustable stern-dock, to be constructed at such place as the Secretary of the Navy may determine, thirty thousand dollars."

Adjustable stern-dock.

* * * * *

For "new Naval Observatory: For continuing the erection of the new Naval Observatory and necessary buildings upon the site purchased under the act of Congress approved February fourth, eighteen hundred and eighty (twenty-one Statutes, page sixty-four), fifty thousand dollars: Provided, That the work upon the domes, piers, transit shutters and floors of the observing rooms, and the necessary elevators in the building, and the fittings of the library and of the temperature room may be done by the Secretary of the Navy without contract, or in such manner as he shall deem most advantageous to the Government, but the total cost of said observatory, including the aforesaid items, shall not exceed the limit of four hundred thousand dollars fixed by the act making appropriations for the naval service, approved March third, eighteen hundred and eighty-seven."

New Naval Observatory.

* * * * *

NAVAL ASYLUM, PHILADELPHIA, * * * * *

For "transportation of indigent and destitute beneficiaries to the Naval Asylum, five hundred dollars; erecting brick building for kitchen, laundry, and dormitories, for female employees, seventeen thousand five hundred dollars; removing range and laundry machinery to same, four hundred dollars; fitting up bath-rooms for beneficiaries, eight hundred dollars: * * * * *"

Transportation. Brick building, bath rooms, etc.

BUREAU OF MEDICINE AND SURGERY.

* * * * *

For continuing the improvement of the naval-hospital park at Portsmouth, Virginia, five thousand dollars:

Naval hospital improvement, Norfolk, Va.

For repairing granite sea-wall at naval hospital Norfolk, Virginia, twenty thousand dollars; * * * * *

BUREAU OF PROVISIONS AND CLOTHING.

Provisions, Navy:
 For "labor and expenses of general store-houses, * * *."
 General storehouses—expenses.

BUREAU OF CONSTRUCTION AND REPAIR.

* * * * *
 Plant—Mare Island. For "improvement of the plant at the navy-yard, Mare Island, California: Extra tools required to put the yard in condition for building and repairing iron and steel ships, * * *."

NAVAL ACADEMY.

* * * * *
 Boathouse. Contingent Naval Academy: "* * * To complete boat-house for steam-launches, twenty-five thousand dollars, in addition to the five thousand dollars heretofore appropriated, which is hereby re-appropriated * * *."

MARINE CORPS.

* * * * *
 Tents, etc. "MILITARY STORES, MARINE CORPS: * * * purchase of tents and camp-equipage, one thousand dollars; * * *."
 Barracks, Norfolk. For "the erection of barracks at Norfolk, Virginia, thirty thousand dollars."
 * * * * *

INCREASE OF THE NAVY.

CONSTRUCTION: That for the purpose of further increasing the naval establishment of the United States, the President is hereby authorized to have constructed,
 Two steel cruisers. by contract, two steel cruisers of about three thousand tons displacement each, at a cost, exclusive of armament, and excluding any premiums that may be paid for increased speed, of not more than eleven hundred thousand dollars each;
 One steel cruiser. one steel cruiser of about five thousand three hundred tons displacement, to cost, exclusive of armament, and excluding any premium that may be paid for increased speed, not more than eighteen hundred thousand dollars;
 One armored cruiser. one armored cruiser of about seven thousand five hundred tons displacement, to cost, exclusive of armament, not more than three million five hundred thousand dollars; and three gun-boats, or cruisers, neither of which shall exceed two thousand tons in displacement nor seven hundred thousand dollars in cost, excluding any premium that may be paid for increased speed and the cost of armament; said three gun-boats, or cruisers, to be built either wholly of steel or with steel

frames. The contracts for the construction of said first three cruisers shall contain provisions to the effect that the contractor guarantees that when completed and tested for speed, under conditions to be prescribed by the Navy Department, the two vessels first hereinbefore provided for, shall each exhibit a maximum speed of at least nineteen knots per hour; and the vessel of five thousand three hundred tons displacement, a maximum speed of at least twenty knots per hour; and in the case of each vessel, for every quarter knot of speed so exhibited above said guarantee the contractor shall receive a premium over and above the contract price of fifty thousand dollars; and for every quarter knot that such vessel fails of reaching said guaranteed speed, there shall be deducted from the contract price the sum of fifty thousand dollars. And in the contract for the construction of the three last-mentioned vessels such provisions for increased speed and the premium for the same shall be made as in the discretion of the Secretary of the Navy may be deemed advisable. In the construction of all of said vessels all the provisions of the act of August third, eighteen hundred and eighty-six, entitled "An act to increase the naval establishment" as to material for said vessels, their engines, boilers, and machinery, the contracts under which they are built, the notice of, and proposals for the same, the plans, drawings, specifications therefor, and the method of executing said contracts, shall be observed and followed, and said vessels shall be built in compliance with the terms of said act, save that in all their parts said vessels shall be of domestic manufacture. If the Secretary of the Navy shall be unable to contract at reasonable prices for the building of any of said vessels, then he may build such vessel or vessels in such navy-yards as he may designate.

Speed.

Material.

CONSTRUCTION AND STEAM MACHINERY: Towards the construction and completion of the new vessels heretofore and herein authorized by Congress with their engines, boilers, and machinery, and for the payment of premiums for increased speed or horse-power under contracts now existing and to be made under this act, three million five hundred thousand dollars.

Construction and machinery.

ARMAMENT: Towards the armor and armament of domestic manufacture of new ships heretofore and herein authorized, two million dollars; in all, five million five hundred thousand dollars.

Armor and armament.

STEEL PRACTICE VESSEL: For the construction of one steel practice vessel of eight hundred tons, for the use of the United States Naval Academy at Annapolis, except when in emergencies it may be used for other purposes, to be built by contract in accordance with the terms of the "Act to increase the naval establishment," approved August third, eighteen hundred and eighty-six, two hundred and sixty thousand dollars.

Practice vessel, Naval Academy.

Approved, September 7, 1888.

1

FIFTIETH CONGRESS, SECOND SESSION—MARCH 2, 1889.

[PUBLIC—No. 114.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and ninety, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

* * * * *

BUREAU OF NAVIGATION.

* * * * *

“For installing the receiving-ship Vermont with an electric-lighting plant * * *.” Vermont.

BUREAU OF ORDNANCE.

* * * * *

“For new wharf and approaches at Craney Island, Norfolk Harbor * * *.” Craney Island.

For “Naval Torpedo Station and War College: * * *.” Naval torpedo station and War College.

“For the construction of a building for use by the Naval Torpedo Station and War College as consolidated by order of the Secretary of the Navy January eleventh, eighteen hundred and eighty-nine, one hundred thousand dollars, to be immediately available, said sum to be in full for all expenses of designing, erecting, and furnishing said building.

“For enlarging torpedo boat-house, five thousand dollars.”

* * * * *

BUREAU OF YARDS AND DOCKS.

* * * * *

PUBLIC WORKS.—Navy-yards and stations:

Navy-yard, Boston, Massachusetts: Rebuilding by contract officers' quarters L, M, N, and O, at a cost when completed not to exceed the sum hereby appropriated, twenty-eight thousand six hundred and ten dollars. Boston.

Navy-yard, Brooklyn, New York: For improving Whitney basin, forty thousand dollars; railroad throughout the yard, fifteen thousand dollars. Brooklyn.

Navy-yard, League Island, Pennsylvania: For landing wharf foot of Fifteenth street, dimensions seventy-five by four hundred feet, twenty-six thousand four hundred and sixteen dollars and forty cents; dredging and filling in, seventy-five thousand dollars, and in the expenditure of League Island.

this sum the Secretary of the Navy may co-operate with the Secretary of War and utilize any earth that may be removed from adjacent waters under appropriations made by Congress.

Washington,
railroad at.

Navy-yard, Washington, District of Columbia: To enable the Secretary of the Navy to cause a track, with all necessary switches and turn-outs, to be laid from a point on the line of the Baltimore and Potomac Railroad opposite the northwesterly corner of the Government reservation fronting on K and L streets southeast, and to run thence in a southerly direction across said reservation and along the existing highway, to a suitable place of entrance on the westerly side of the navy-yard, Washington, District of Columbia, and to be continued from such place of entrance to such points within said yard as the Secretary of the Navy may direct, such track to be used exclusively for the transportation of material belonging to, or intended for the use of, the United States, fifteen thousand dollars.

Norfolk.

Navy-yard, Norfolk, Virginia: For building, by contract, two officers' quarters, to cost, when complete, not exceeding the sum hereby appropriated, sixteen thousand dollars.

Mare Island.

Navy-yard, Mare Island, California: For iron-plating shop, five thousand seven hundred and fifty-five dollars and forty cents; roads along water front and about shops, five thousand dollars; extension of quay wall, fifty-five thousand dollars; continuing work on granite dry-dock, to be made available immediately, eighty thousand dollars.

Port Royal.

Naval station, Port Royal, South Carolina: For officers' quarters, two thousand dollars.

Key West.

Naval station, Key West, Florida: For two houses, for officers' quarters, eight thousand dollars.

Electric
lighting.

Electric lighting of navy-yards: For the establishment of plant and the inauguration of electric lighting in the navy-yards at New York, Norfolk, Virginia, Washington, District of Columbia, and Mare Island, California, to be immediately available, sixty thousand dollars.

* * * * *

Coal station.

For the purpose of permanently establishing a station for coal and other supplies for the naval and commercial marine of the United States, on the shores of the Bay of the Harbor of Pago Pago in the island of Tutuilla, Samoa, for the erection of the necessary buildings and structures thereon and for such other purposes as may, in the judgment of the President, be necessary to confirm the rights of the United States under Article second of the Treaty of eighteen hundred and seventy-eight, between the United States and the King of the Samoan Islands, and the deed of transfer made in accordance therewith, one hundred thousand dollars, to be immediately available.

Pago Pago.

New Naval Observatory: For completing new Naval Observatory and necessary buildings upon the site purchased under the act of Congress approved February fourth, eighteen hundred and eighty, two hundred and forty thousand dollars. Naval Observatory.

* * * * *

BUREAU OF MEDICINE AND SURGERY.

* * * * *

For "sick quarters, navy-yard, Portsmouth, New Hampshire: For the construction by contract of sick quarters at the navy-yard, Portsmouth, New Hampshire, in full for all expenses of erecting and furnishing the same, to be immediately available, thirty-five thousand dollars." Sick quarters, Portsmouth, N. H.

BUREAU OF PROVISIONS AND CLOTHING.

Provisions, Navy, Bureau of Provisions and Clothing:

"For labor and expenses of * * * paymasters' offices in yards, * * *." Expenses pay offices.

Provided:

"It shall be the duty of the Bureau of Provisions and Clothing to cause property accounts to be kept of all the supplies pertaining to the naval establishment, and to report annually to Congress the money values of the supplies on hand at the various stations at the beginning of the fiscal year, the dispositions thereof, and of the purchases, and the expenditures of supplies for the year, and the balances remaining on hand at the end thereof." Property accounting.

"And for the purpose of utilizing accumulated naval supplies, the transfer is authorized, after requisition upon the Paymaster-General of the Navy, of any supplies belonging to one bureau and available for the use of another without reimbursement therefor by the bureau receiving the supplies so transferred: *Provided*, That supplies obtained for a specific object and still needed therefor, and supplies bought within the fiscal year in which the requisition is made, and provisions, clothing, and small stores shall not be subject to transfer without charge under the terms of this act." Common general stock.

BUREAU OF CONSTRUCTION AND REPAIR.

* * * * *

"For the purchase, or construction by contract, of four steam-tugs, the cost of which shall not exceed thirty-five thousand dollars each, one for use at the navy-yard, Washington, District of Columbia, and one at the navy-yard, Mare Island, California; * * *." Four steam tugs.

New York Navy Yard. "Improvement of plant at navy-yard, New York: For additional tools, other than those heretofore authorized, required to further improve the condition of the yard for building and repairing iron and steel ships, fifty thousand dollars.

Norfolk Navy Yard. "Improvement of plant at navy-yard, Norfolk, Virginia: For additional tools, other than those heretofore authorized, required to further improve the condition of the yard for building and repairing iron and steel ships, fifty thousand dollars."

* * * * *

NAVAL ACADEMY.

* * * * *

Sites for public buildings, Naval Academy. For the purchase of the land and buildings thereon, and inclosing and grading the same, situated adjacent to the Naval Academy at Annapolis, and between the Academy grounds and the Naval Hospital grounds, a sum not exceeding ninety thousand dollars: *Provided, however,* That the Secretary of the Navy may, if he deems it for the best interests of the United States, proceed and acquire title to said land and buildings by condemnation thereof by judicial proceedings to be commenced in the appropriate circuit court of the United States, which court shall, for the purpose of ascertaining the true value of said land, appoint three commissioners, who shall be competent and disinterested appraisers, and all the proceedings for the condemnation aforesaid shall be in accordance, except as herein provided, with the act of Congress of August first, eighteen hundred and eighty-eight, entitled "An act to authorize condemnation of land for sites of public buildings, and for other purposes."

* * * * *

Furniture. For new furniture for cadets' quarters (wardrobes, bedsteads, and tables, * * * * *).

MARINE CORPS.

Marine barracks, Boston, Norfolk, Brooklyn. For alteration and repair of marine barracks at Boston, Massachusetts, five thousand dollars;

To complete the erection of marine barracks at Norfolk, Virginia, fifteen thousand dollars.

For repairing buildings recently damaged by storm, marine barracks, navy-yard, Brooklyn, New York, twenty thousand dollars, to be immediately available;

* * * * *

INCREASE OF THE NAVY.

Steel monitor. To enable the President to further increase the Naval Establishment of the United States he is hereby authorized to have constructed by contract one armored steel

cruising monitor, of not less than three thousand tons displacement, at a cost of not exceeding one million five hundred thousand dollars—exclusive of armament, and of any premium which may be paid for increased speed—of the type, and according to the plans approved and recommended by a naval board in their report to the Secretary of the Navy, and by him referred to and approved in his letter to the chairman of the Committee on Naval Affairs of the House of Representatives, dated January ninth, eighteen hundred and eighty-nine, to be approved by the Secretary of the Navy.

The contract for the construction of said cruising monitor, her boilers, engines, and machinery, shall contain provisions to the effect that, under conditions to be prescribed by the Navy Department, the contractor shall guarantee that the collective horse-power developed by the engines of said vessel shall equal seven thousand five hundred indicated horse-power, and that said vessel when completed and tested for speed, under conditions to be prescribed by the Navy Department, shall exhibit a maximum speed of not less than seventeen knots per hour; and the contract for said vessel shall contain a further provision that for every quarter of knot of speed so exhibited above said guaranty of seventeen knots the contractor shall receive a premium, over and above the contract price, of fifty thousand dollars, and for every quarter-knot that said vessel fails of reaching said guaranteed speed there shall be deducted from the contract price the sum of fifty thousand dollars. The material, boilers, engines, and machinery shall be of domestic manufacture and of the latest and most approved quality and type.

Maximum speed.

Material.

The act of August third, eighteen hundred and eighty-six, entitled "An act to increase the Naval Establishment," so far as applicable, shall govern the construction of said vessel.

And the President is also hereby further authorized to contract with the Pneumatic Dynamite Gun Company for the construction of one additional cruiser of the Vesuvius type, of not less dimensions than that vessel, and to attain a speed under similar conditions as to trial, of twenty-one knots an hour, with an endurance of not less than fifteen days at ten knots an hour, to be armed with two pneumatic dynamite guns of fifteen inch caliber, and to be fitted for such other armament as the Secretary of the Navy may prescribe: *Provided*, That the contractors shall guarantee a speed of twenty knots an hour, and that there shall be deducted from the contract price the sum of ten thousand dollars for every quarter knot that said vessel fails of reaching the further speed of twenty-one knots per hour: *And provided further*, That the Secretary of the Navy shall be satisfied, after official tests made with the Vesuvius and her guns, as to the

Dynamite gun cruiser.

Speed.

efficiency of the armament of that vessel; and the cost of said vessel shall not exceed the sum of four hundred and fifty thousand dollars.

Two gun-boats.

The President is hereby further authorized to have constructed by contract two steel cruisers or gun-boats of the most approved type, of eight hundred to twelve hundred tons displacement, to cost in the aggregate, exclusive of armament, not more than seven hundred thousand dollars, and one ram for harbor defense of the general type approved by the Naval Advisory Board in their report to the Secretary of the Navy of November seventh, eighteen hundred and eighty-one, of the highest practicable speed.

One ram.

The act of August third, eighteen hundred and eighty-six, entitled "An act to increase the Naval Establishment," so far as applicable, shall govern the construction of the two steel cruisers or gun-boats, and the ram herein authorized; and all of said vessels shall be of domestic manufacture.

Rifled guns.

To enable the Secretary of the Navy to test, and if found satisfactory, to purchase three or more rapid-fire rapid-twist, one-pounder breech-loading rifled guns, and an equal number of the same type of three-pounder guns, and an equal number of the same type of thirty-two-pounder guns, as the Secretary of the Navy may designate, said test to be made with the cartridge known as a reinforce cartridge, and for said purpose the sum of fifty thousand dollars is hereby appropriated: *Provided*, That no part of this money shall be expended until the owners of the patents for such guns and cartridges shall contract at such a price as shall be satisfactory to the Secretary of the Navy for the exclusive right on the part of the Government to manufacture, by contract or otherwise, such guns and cartridges without the payment of any royalty upon the same, the option of the Government to make such contract to be exercised within a period to be fixed by said contract.

Construction and machinery.

CONSTRUCTION AND STEAM MACHINERY: Towards the construction and completion of the new vessels heretofore and herein authorized by Congress, with their engines, boilers, and machinery, and for the payment of premiums for increased speed or horse-power under contracts now existing and to be made under this and other acts providing for increase of the Navy, four million and fifty-five thousand dollars, of which sum fifty-five thousand dollars is hereby authorized to be expended by the Secretary of the Navy upon the electric lighting of the Miantonomah, Terror, Monadnock, Petrel, and Vesuvius, in addition to the amounts heretofore authorized to be expended on the said vessels.

Armor and armament.

ARMAMENT: Towards the armament and armor of domestic manufacture for the vessels authorized by the act of March third, eighteen hundred and eighty-five; of

the vessels authorized by sections one and two of the act of August third, eighteen hundred and eighty-six; of the unfinished monitors mentioned in section three of the same act; of the Miantonomah; of the vessels authorized by the act approved March third, eighteen hundred and eighty-seven, and of the vessels authorized by the act approved September seventh, eighteen hundred and eighty-eight, and this act, two million five hundred thousand dollars.

GUN PLANT, NAVY-YARD, WASHINGTON, DISTRICT OF COLUMBIA: To complete the construction and equipment of the ordnance shops, offices, and gun plant at the Washington navy-yard, to be made immediately available, six hundred and twenty-five thousand dollars. ^{Gun plant, Washington.}

Approved, March 2, 1889.

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FIFTY-FIRST CONGRESS, FIRST SESSION—JUNE 30, 1890.

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and ninety-one, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

* * * * *

BUREAU OF NAVIGATION.

"FOR THE PURCHASE OF FARMER'S HOUSE, COASTER'S HARBOR ISLAND, RHODE ISLAND: For the purchase of the Farmer's House, on Coaster's Harbor Island, erected by W. A. Whaley, at his expense, under permission granted him by the Secretary of the Navy, September twenty-sixth, eighteen hundred and eighty-four, two thousand two hundred and fifty dollars. Coaster's Harbor Island.

"GUNNERY EXERCISES: For prizes for excellence in gunnery exercises and target practice; for the establishment and maintenance of targets and ranges; for hiring established ranges, and for transportation to and from ranges, six thousand dollars. Prizes for gunnery.

"OCEAN AND LAKE SURVEYS: For ocean and lake surveys, the publication and care of the results thereof; the purchase of nautical books, charts, and sailing directions, * * *. Surveys.

"BOUNTY FOR NAVAL APPRENTICES: For bounties for outfits of seven hundred and fifty naval apprentices, thirty thousand dollars. Naval apprentices.

* * * * *

"CONTINGENT, BUREAU OF NAVIGATION: For heating apparatus for receiving and training ships, and extra expenses thereof; * * * ferriage, ice, apprehension of deserters and stragglers, continuous-service certificates, good-conduct badges and medals for boys; school-books for training-ships; * * *. Contingent.

"NAVAL WAR COLLEGE AND TORPEDO SCHOOL ON COASTER'S HARBOR ISLAND: For maintenance of the Naval War College and Torpedo School on Coaster's Harbor Island, ten thousand dollars; and the Secretary of the Navy is hereby authorized to cause the building for use by the Naval War College and Torpedo School, for the construction of which the sum of one hundred thousand dollars was appropriated in the act of March second, eighteen hundred and eighty-nine, to be erected on Coaster's Harbor Island." Location of Naval War College and Torpedo School.

BUREAU OF ORDNANCE.

- * * * * *
- Test plates. "For the purchase of armor plates for reception tests of modern projectiles, fifty thousand dollars.
- Proving grounds. "NAVAL ORDNANCE RANGE AND PROVING-GROUND: For draining, erection of firing butts, screens, cranes, building of wharf, chronograph house, and other necessary improvements of naval ordnance range and proving-ground heretofore authorized by act of March third, eighteen hundred and eighty-seven, twenty-five thousand dollars: *Provided*, That the moneys heretofore and hereby appropriated for the purpose of erecting buildings and making other improvements on said proving-ground may be forthwith expended upon the acquisition by the United States of the title thereto.
- Shell-lighter. "For one steel shell-lighter of about sixty-eight tons displacement, with carrying capacity of about forty-five tons, eight thousand dollars;
- Submarine gun, test of. "To enable the Secretary of the Navy to manufacture and experimentally test, under rules and conditions to be prescribed by him, a submarine gun and projectiles for the same, thirty thousand dollars: *Provided*, That no part of this money shall be expended until the owners of the patents to be tested under this provision shall agree by contract to give the Government the option within a specified time to contract at such price as shall be satisfactory to the Secretary of the Navy for the exclusive right on the part of the Government to manufacture by contract or otherwise such submarine guns and projectiles without the payment of any royalty on the same: *Provided*, That such submarine gun and projectiles shall prove satisfactory on due test, and be approved by the Secretary of the Navy; and for testing torpedoes, twenty thousand dollars; * * *."

BUREAU OF EQUIPMENT.

- Transferred from Bureau of Navigation. "EQUIPMENT OF VESSELS: For purchase of * * * hammock-cloths, boom-covers, tarpaulins, * * *; stationery for equipment officers, * * * foreign and local pilotage and towage of ships of war; services and materials in correcting compasses on board ship, and for adjusting and testing compasses on shore; nautical and astronomical instruments, and repairs of nautical instruments for ships of war; libraries for ships of war; professional books and papers, and drawings and engravings for signal books; naval signals and apparatus, namely: signal lights, lanterns, rockets, running-lights, compass-fittings, including binnacles, tripods, and other appendages of ships' compasses; logs and other appliances for measuring the ship's way, and leads and other appliances for sounding; lanterns and lamps, and their appendages

for general use on board ship including those for the cabin, wardroom, and steerage, for the holds and store-rooms; for decks and quartermaster's use; bunting and other materials for flags, and making and repairing flags of all kinds; oil for ships of war, other than that used in the engineer department; candles, when used as a substitute for oil in binnacles and running-lights, chimneys and wicks, and soap used in the navigation department; photographic instruments and materials; stationery for commanders and navigators of vessels of war, and for use of courts-martial; musical instruments, and music for vessels of war; steering signals and indicators, and speaking-tubes and gongs for signal communications on board vessels of war; and for introducing and maintaining electric lights on board vessels of war, * * *

"For installing the United States steamship Lancaster with an electric lighting plant, ten thousand dollars."

Lancaster.

"For electric welding machine: *Provided*, That the party supplying the said machine and apparatus shall guarantee that it will operate satisfactorily in the welding of steel links for chain cables of the various sizes up to two and one half inches in diameter, and no payment shall be made until tests shall have been made to the satisfaction of the Secretary of Navy, and no royalty shall be paid for the use of said machine."

Electric weld-
ing machine,
Boston.

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BUREAU OF YARDS AND DOCKS.

* * * * *

PUBLIC WORKS—NAVY-YARDS AND STATIONS.

NAVY-YARD, PORTSMOUTH, NEW HAMPSHIRE: For increasing water supply, six thousand three hundred and fifty dollars; completing hydrant system, six thousand and eighty dollars; for reconstructing buildings numbered forty-five and forty-six, destroyed by fire January twenty-seventh, eighteen hundred and ninety, at the United States navy-yard, Portsmouth, New Hampshire, for construction and repair, fifty thousand dollars, appropriation to be immediately available.

Portsmouth.

NAVY-YARD, BOSTON, MASSACHUSETTS: For new boiler and pumping machinery, taking down and resetting the end of granite dry dock and putting in the necessary backing and drainage, fifty thousand dollars.

Boston.

NAVY-YARD, BROOKLYN, NEW YORK: For extending railroad system and necessary rolling-stock, five thousand dollars; for completing approaches to timber dry-dock, twenty-five thousand dollars; for repairing cob-dock, improvement of Whitney Basin, rebuilding seawall and dredging, one hundred and twenty-five thousand dollars;

Brooklyn.

for relaying water-pipes in the yard, fifteen thousand dollars.

League Island.

NAVY-YARD, LEAGUE ISLAND, PENNSYLVANIA: For rebuilding Broad street wharf, sixty thousand dollars; and the sum of twenty-six thousand four hundred and sixteen dollars and forty cents appropriated by act of March second, eighteen hundred and eighty-nine, for landing wharf foot of Fifteenth street, is hereby transferred to the rebuilding of the Broad street wharf in addition to the sum appropriated by this act for building and furnishing two officers' quarters, ten thousand dollars; for dredging and filling in and paving and improvement of grounds, twenty-five thousand dollars; for extending permanent sea-wall, twenty-five thousand dollars; for the construction of a light retaining-wall, twenty-five thousand dollars.

Washington.

NAVY-YARD, WASHINGTON, DISTRICT OF COLUMBIA: For changing building number seven into an apartment house of three stories for additional quarters, ten thousand dollars; for dredging and filling in, five thousand dollars.

Norfolk.

NAVY-YARD, NORFOLK, VIRGINIA: For completing railroad system, five thousand dollars; for completing water system, five thousand dollars; for completing approaches to timber dry-dock, ten thousand dollars; for extending machine-shop (for steam-engineering), five thousand dollars; for connecting new pumps with old dry-dock, fifteen thousand dollars.

Port Royal.

COALING STATION, PORT ROYAL, SOUTH CAROLINA: Toward the construction of a timber dry-dock or floating dock, at the coaling station, Port Royal, South Carolina, in accordance with the recommendation of the commissions to report as to the most desirable location on or near the coast of the Gulf of Mexico and the South Atlantic coasts for navy-yards and dry-docks, two hundred thousand dollars.

And the Secretary of the Navy be, and he is hereby, authorized to make a contract for the construction of said timber dry-dock, or floating dock, the cost not exceeding five hundred thousand dollars.

Key West.

NAVAL STATION, KEY WEST, FLORIDA: For changing location of railroad scale-house and pump-house, made necessary by new treasury buildings, one thousand dollars.

Mare Island.

NAVY-YARD, MARE ISLAND, CALIFORNIA: For bridge across sectional dock basin, two thousand dollars; for boat landings, three thousand dollars; for building wagon-road towards cemetery and magazine, five thousand dollars; for replanking wharves, five thousand dollars; for completing electric-light plant, thirty thousand dollars; for moving ferry slip back, straightening sea-wall, and dredging, twenty thousand dollars; for completing repairs to sectional dry-dock, fifteen thousand dollars.

NAVAL STATION, NEW LONDON: For rebuilding the wharf, six thousand five hundred dollars. New London.

LAUNCHING WAYS AND GRANITE SLIPS AT NEW YORK AND NORFOLK NAVY-YARDS: For extending launching ways and making alterations in granite slips, thirteen thousand dollars.

* * * * *

The Secretary of the Navy is hereby authorized to sell, after advertisement of the sale for such time as in his judgment the public interests may require, condemned naval supplies, stores, and materials, either by public auction or by advertisement for sealed proposals for the purchase of the same. Condemned stores, sale of.

* * * * *

And the President be, and he hereby is, required to appoint a commission composed of two competent naval officers, one competent Army officer, and two competent persons from civil life, whose duty it shall be to select a suitable site, having due regard to commercial and naval interests, for a dry-dock at some point on the shores of the Pacific Ocean or the waters connected therewith north of the parallel of latitude marking the northern boundary of California, including the waters of Puget Sound, and also Lakes Union and Washington, in the State of Washington; and having selected such site shall, if upon private lands, estimate its value, and ascertain, as nearly as practicable, the cost for which it can be purchased or acquired, and of their proceedings and action make full and detailed report to the President, and the President shall transmit such report with his recommendations to Congress. Commission to select site for dry dock, Pacific.

And the President be, and he hereby is, required to appoint a commission composed of two competent naval officers, one competent Army officer, and two competent persons from civil life, whose duty it shall be to select a suitable site, having due regard to commercial and naval interests, for a dry-dock at some point on the shores of the Gulf of Mexico or the waters connected therewith; and having selected such site shall, if upon private lands, estimate its value and ascertain as nearly as practicable the cost for which it can be purchased or acquired, and of their proceedings and action make full and detailed report to the President, and the President shall transmit such report with his recommendations to Congress. That to defray the expenses of such commissions the sum of fifteen thousand dollars, or so much thereof as may be necessary, be, and the same is hereby, appropriated. Commission to select site for dry dock, Gulf of Mexico.

* * * * *

BUREAU OF MEDICINE AND SURGERY.

Laundry,
New York.

For "laundry at naval hospital, New York: For construction of a laundry and drying-room at the naval hospital, New York, in full for all expenses of erecting the building and supplying necessary machinery and fittings, five thousand six hundred dollars.

Sick quarters,
Portsmouth,
N. H.

"SICK QUARTERS AT NAVY-YARD, PORTSMOUTH, NEW HAMPSHIRE: For additional appropriation for erecting and furnishing sick quarters at the navy-yard, Portsmouth, New Hampshire, eight thousand dollars * * *."

BUREAU OF PROVISIONS AND CLOTHING.

PROVISIONS, NAVY, BUREAU OF PROVISIONS AND CLOTHING: * * *

Clothing and
small stores
fund.

Provided: The clothing fund and small stores fund shall be hereafter consolidated and administered as a fund to be known as the clothing and small stores fund.

Advertisement.

"CONTINGENT, BUREAU OF PROVISIONS AND CLOTHING: * * *. Section thirty-seven hundred and eighteen of the Revised Statutes of the United States is hereby amended by striking out the words 'once a week for four weeks' and inserting in lieu thereof the words 'twice a week for two weeks or longer, not to exceed four weeks, in the discretion of the Secretary of the Navy.'"

BUREAU OF CONSTRUCTION AND REPAIR.

CONSTRUCTION AND REPAIR OF VESSELS: * * *

Improvements to
construction
plants at navy
yards, Ports-
mouth.

For improvement of plant at navy-yard, Portsmouth, New Hampshire: For additional tools other than those heretofore authorized, required to further improve the condition of the yard for repairing iron and steel ships, fifty thousand dollars.

Boston.

For improvement of plant at navy-yard, Boston, Massachusetts: For additional tools, other than those heretofore authorized, required to further improve the condition of the yard for repairing iron and steel ships, fifty thousand dollars.

League Is-
land.

For the improvement of plant at navy-yard, League Island, Pennsylvania: For additional tools other than those heretofore authorized, required to further improve the condition of the yard for repairing iron and steel ships, fifty thousand dollars.

New York.

For improvement of plant at navy-yard, New York: For additional tools, other than those heretofore authorized, required to further improve the condition of the yard for building and repairing iron and steel ships, fifty thousand dollars.

For improvement of plant at navy-yard, Norfolk, Virginia: For additional tools, other than those heretofore authorized, required to further improve the condition of the yard for building and repairing iron and steel ships, and the erection of the same, fifty thousand dollars.

Norfolk.

For improvement of plant at navy-yard, Mare Island, California: For additional tools, other than those heretofore authorized, required to further improve the condition of the yard for building and repairing iron and steel ships, and the erection of the same, fifty thousand dollars.

Mare Island.

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BUREAU OF STEAM ENGINEERING.

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Improvement of machinery plant, navy-yard, Boston, Massachusetts: For extra tools required to put the yard in condition for repairing modern marine machinery with economy and dispatch, including improvements in boiler-making plant, and improved machine tools, forty thousand dollars.

Improvements to machinery plants at navy yards, Boston.

Improvement of machinery plant, navy-yard, Brooklyn, New York: For extra tools required to put the yard in condition for building and repairing modern marine machinery with economy and dispatch, including traveling crane in foundry and new boiler shop, seventy-five thousand dollars.

Brooklyn.

Improvement of machinery plant, navy-yard, Mare Island, California: For extra tools required to put the yard in condition for building and repairing modern marine machinery with economy and dispatch, including improvements in boiler-making plant, and improved machine tools, fifty thousand dollars.

Mare Island.

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NAVAL ACADEMY.

* * * * *

New furniture for cadets' quarters, six thousand five hundred dollars.

Improvements.

For rebuilding gymnasium, twenty thousand dollars; for additional houses for instructors, four houses, twenty thousand dollars, which sums shall be made immediately available.

For the purchase of land to open King George's street to the Government property and expense of opening said street, three thousand five hundred dollars.

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MARINE CORPS.

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"FOR REPAIR OF BARRACKS: * * *"

"For alteration and repair of colonel commandant's quarters, based upon survey dated September twelfth,

Commandant's quarters.

eighteen hundred and eighty-nine, seven thousand five hundred and fifty dollars.

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Barracks, Sitka, Alaska. "For erection of marine barracks at Sitka, Alaska, six thousand dollars."

* * * * *

APPROPRIATIONS FOR SUPPLIES.

Classification of stores; not for any bureau.

For expenses of arranging, classifying, consolidating, and cataloguing supplies for the Navy, herein provided for and now on hand, ten thousand dollars; and all supplies purchased with moneys appropriated by this act shall be deemed to be purchased for the Navy and not for any bureau thereof, and these supplies, together with all supplies now on hand, shall be arranged, classified, consolidated, and catalogued, and issued for consumption or use, under such regulations as the Secretary may prescribe, without regard to the bureau for which they were purchased.

INCREASE OF THE NAVY.

Three battle-ships.

That for the purpose of further increasing the Naval Establishment of the United States the President is hereby authorized to have constructed by contract three sea-going coast-line battle ships designed to carry the heaviest armor and most powerful ordnance upon a displacement of about eight thousand five hundred tons, with a coal endurance of about five thousand knots on the total coal capacity at the most economical rate of speed, and to have the highest practicable speed for vessels of their class, to cost, exclusive of armament and of any premiums that may be paid for increased speed not exceeding four million dollars each; one protected cruiser

One protected cruiser.

of about seven thousand three hundred tons displacement, at a cost, exclusive of armament, not to exceed two million seven hundred and fifty thousand dollars, to have a maximum speed of not less than twenty-one knots; one

One torpedo cruiser.

swift torpedo cruiser of about seven hundred and fifty tons displacement, at a cost, exclusive of armament, not to exceed three hundred and fifty thousand dollars, to have a maximum speed of not less than twenty-three

One torpedo boat.

knots; and one torpedo boat, at a cost not to exceed one hundred and twenty-five thousand dollars; and in the construction of all said vessels all of the provisions of the act of August third, eighteen hundred and eighty-six, entitled, "An act to increase the Naval Establishment," as to materials for said vessels, their engines, boilers, and machinery, the contracts under which they are built, the notice of any proposals for the same, the plans, drawings, specifications therefor, and the method of executing said contracts, shall be observed and fol-

lowed, and said vessels shall be built in compliance with the terms of said act, save that in all their parts said vessels shall be of domestic manufacture. And in the contracts for the construction of each of said vessels such provisions for minimum speed and for premiums for increased speed and penalties for deficient speed may be made subject to the terms of this bill, as in the discretion of the Secretary of the Navy may be deemed advisable. In making proposals for contracts for building the vessels authorized by this act it shall be required that one of such vessels shall be built on or near the coast of the Pacific Ocean or the waters connecting therewith, one of them on or near the coast of the Gulf of Mexico or the waters connecting therewith and two of them on or near the coast of the Atlantic Ocean or the waters connecting therewith, and at such places on or near such coasts or waters as the Secretary of the Navy shall approve: *Provided*, That if it shall appear to the satisfaction of the President of the United States, from the biddings for said contracts, when the same are opened and examined by him, that said vessels can not be constructed at a fair cost on or near the coast of the Pacific Ocean or the Gulf of Mexico, he shall authorize the construction of said vessels, or either of them, elsewhere in the United States; and if the Secretary of the Navy shall be unable to contract at reasonable prices for the construction of any of said vessels, then he may build such vessel or vessels in such navy-yards as he may designate.

Domestic manufacture.

Speed.

Proposals.

Where to be built.

UNDER THE BUREAU OF ORDNANCE.

ARMAMENT: Towards the armament and armor of domestic manufacture, for the vessels authorized by the act of March third, eighteen hundred and eighty-five; of the vessels authorized by sections one and two of the act of August third, eighteen hundred and eighty six; of the unfinished monitors mentioned in section three of the same act; of the Miantonomoh; of the vessels authorized by the act approved March third, eighteen hundred and eighty seven; of the vessels authorized by the act approved September seventh, eighteen hundred and eighty-eight, and of those authorized by the act of March second, eighteen hundred and eighty-nine, and the armament with modern batteries of a gunnery training ship, two million five hundred thousand dollars.

Armor and armament.

GUN PLANT, NAVY YARD, WASHINGTON, DISTRICT OF COLUMBIA: For completion of the gun factory, one hundred and forty five thousand dollars.

Gun Factory.

CONSTRUCTION AND STEAM MACHINERY: Towards the construction and completion of the new vessels heretofore and herein authorized by Congress, with their engines, boilers and machinery, and for the payment of

Construction and machinery.

premiums for increased speed or horse-power under contracts now existing and to be made under this and other acts for increase of the Navy, five million four hundred and seventy-five thousand dollars.

Total for increase of the Navy, eight million one hundred and twenty thousand dollars.

Approved, June 30, 1890.

FIFTY-FIRST CONGRESS, SECOND SESSION—MARCH 2, 1891.

[PUBLIC—No. 110.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and ninety-two, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

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BUREAU OF NAVIGATION.

* * * * *

Provision for telegraphic cable surveys: "To enable the President to cause careful soundings to be made between San Francisco, California, and Honolulu, in the Kingdom of the Hawaiian Islands, for the purpose of determining the practicability of the laying of a telegraphic cable between those points, twenty-five thousand dollars, or so much thereof as may be necessary, and the President is hereby authorized to direct the use of any vessel or vessels belonging to United States in making such survey." Telegraph cable.

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BUREAU OF ORDNANCE.

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New magazine: For new magazine for naval purposes at Sitka or Juneau, Alaska, ten thousand dollars. New magazine, Alaska.

Craney Island Magazine: For dredging on the channel to Craney Island Magazine, Norfolk Harbor, and for repairs to the wharves and buildings, fifteen thousand dollars. Craney Island.

Purchase of floating or tug crane: For the purchase of a floating or tug crane for use in the transportation of material at the New York navy yard, thirty thousand dollars. Floating crane.

Reserve supply of projectiles: For reserve supply of projectiles for vessels in commission, thirty thousand dollars. Projectiles.

* * * * *

Armor tests: For the purpose of making ballistic tests and experiments in the development of American armor the Secretary of the Navy is hereby authorized to use one hundred thousand dollars or so much thereof as may be necessary out of the appropriation of one million Armor tests.

dollars appropriated by joint resolution of September twenty-ninth, eighteen hundred and ninety, for the purchase of nickel ore or nickel matte.

Naval Militia. Naval militia: For arms and equipment connected therewith for naval militia of various States under such regulations as the Secretary of the Navy may prescribe, twenty-five thousand dollars.

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BUREAU OF YARDS AND DOCKS.

* * * * *

PUBLIC WORKS—NAVY YARDS AND STATIONS.

- Portsmouth.** Navy yard, Portsmouth, New Hampshire: For constructing reservoir and perfecting water system, twenty-two thousand two hundred and eighty-seven dollars.
- Boston.** Navy Yard, Boston, Massachusetts: for constructing steel shears, twelve thousand dollars; extensions and renewals in water-pipe system, and repairs of wharves, five thousand dollars.
- Brooklyn.** Navy Yard, Brooklyn, New York: For quay wall on cob dock, one hundred thousand dollars; paving and sewers around new dry-dock, twenty-one thousand eight hundred and thirty-five dollars; for one crane, five thousand dollars.
- League Island.** Navy Yard, League Island, Pennsylvania: For west dry dock pier, eighty-seven thousand four hundred and forty-one dollars and sixty-two cents; for rip rap for protection wall, nine thousand one hundred and fifty dollars; for continuation of light retaining wall, twenty-five thousand dollars; for sewers and flushing tank, five thousand six hundred and eighty-five dollars.
- Washington.** Navy-Yard, Washington, District of Columbia: For extension of railroad tracks, three thousand five hundred and sixty-seven dollars and fifty cents; for sanitary improvements for Smith quadrangle, five thousand dollars; converting paint shop into two officers' quarters, eight thousand two hundred and twenty dollars and fifty-nine cents, the total cost not to exceed the sum hereby appropriated; for dredging and filling in, five thousand dollars.
- Norfolk.** Navy-Yard, Norfolk, Virginia: For extending machine shop for steam engineering, four thousand one hundred and sixty-six dollars; for extension of quay wall, twenty-five thousand dollars.
- Port Royal.** Coaling Station, Port Royal, South Carolina: To continue the construction of a timber dry-dock at the coaling station at Port Royal, South Carolina, and for the work provided for by the naval appropriation act, approved June thirtieth, eighteen hundred and ninety, one hundred and fifty thousand dollars.

Dry-Dock on Puget Sound: That the Secretary of the Navy be, and he hereby is, authorized to acquire for the purposes of a dry-dock a tract of land not exceeding two hundred acres in extent on Puget Sound, at Port Orchard in the county of Kitsap, State of Washington, at such point as he may select, and a sum not exceeding ten thousand dollars to pay for said land is hereby appropriated; and the Secretary of the Navy is authorized to have constructed by contract, after public advertisement upon said land so selected, for naval and commercial purposes, a dry-dock, to be not less than six hundred feet in length, not less than seventy feet in width at bottom of entrance, and capable of admitting vessels drawing thirty feet of water; the cost of said dry-dock not to exceed seven hundred thousand dollars, of which the sum of two hundred thousand dollars is hereby appropriated for use during the fiscal year ending June thirtieth, eighteen hundred and ninety-two.

Dry-dock
site.
Port Or-
chard.

And the Secretary of the Navy be, and he is hereby, empowered and directed to purchase said tract of land at such price as he may deem reasonable; and where he is unable to purchase the same at such price or where the owner or owners of any of said tract of land may be unable for any reason to vest by voluntary conveyance a complete and valid title to any part of said tract of land hereinbefore described, then the same shall be acquired by condemnation, agreeably to the act of Congress of August first, eighteen hundred and eighty-eight, relative to such condemnations, and to the laws of the State of Washington for the condemnation of land for public uses in that State: *Provided*, That no money to be appropriated for said dry dock shall be available until a valid title to the land constituting the site of the same is vested in the United States, nor until the State of Washington shall cede to the United States exclusive jurisdiction over said tract of land during the time the United States may be or remain the owner thereof for all purposes except the administration of the criminal laws of said State and the service of any civil process thereon.

Purchase of
land.

Navy-Yard, Mare Island, California: For widening gauge of railroad track, six thousand five hundred dollars; for roads, five thousand dollars; extension of quay wall, twenty-five thousand dollars; for removal and reconstruction of return wall, sectional dry-dock basin, eleven thousand two hundred and eighty-five dollars and twenty-four cents; one twelve-ton crane, four thousand dollars.

Mare Island.

Launching Ways and Slips at New York and Norfolk Navy Yards: For launching ways and granite slips, thirteen thousand dollars, to be made immediately available.

Launching
ways and slips.

* * * * *

New Naval
Observatory.

For bookcases, railing, shelving, standards, etc., eight thousand four hundred and sixty-four dollars; for transporting instruments, apparatus, piers, books, and other articles from the old to the new Naval Observatory, two thousand seven hundred and sixty dollars; for repairing and remounting great equatorial (twenty-six inch) and its accessories, great equatorial building, including observers' elevating platform, thirty-two thousand and six hundred dollars; for repairing and remounting meridian circle and its accessories, east transit building, six thousand one hundred and sixty dollars; for repairing and remounting transit instrument and its accessories, south transit rooms, six hundred dollars; for repairing and remounting primevertical transit instrument, two thousand five hundred and ten dollars; for furniture and gas or electric fixtures for new naval observatory, for main building, great equatorial building, clock buildings, four transit houses, boiler house, and magnetic building, thirteen thousand six hundred and twenty-five dollars; for inclosing grounds, three thousand and sixty-six dollars; for the construction of well tank, cistern, and for purchasing and placing pump, boiler, ejectors, and pipes for water supply, ten thousand nine hundred and twenty-five dollars; for installation of electric plant, eighteen thousand one hundred and seventy-nine dollars; for one standard clock, five hundred and fifty dollars; for clock room fittings, including clocks, reflectors, piers, instruments, and all accessories, complete, five thousand two hundred and fifty dollars; for official residence of the superintendent, twenty thousand dollars; for grading, macadamizing, and guttering roads around new naval observatory building, twelve thousand dollars.

Total for Naval Observatory, one hundred thirty-six thousand six hundred and eighty-nine dollars.

BUREAU OF MEDICINE AND SURGERY.

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Residence for
medical director.

For medical director's residence, naval hospital, Mare Island, California: "For construction of a residence for the medical director in charge of naval hospital, Mare Island, California, in full for all expenses of erecting and making necessary improvements about the grounds, fifteen thousand five hundred dollars."

BUREAU OF PROVISIONS AND CLOTHING.

PROVISIONS, NAVY, * * *. For "all supplies hereafter purchased with moneys appropriated for any branch of the naval establishment shall be purchased, classified, and issued for consumption or use subject to the provisions contained in the act making appropriations for the

naval service, approved June thirtieth, eighteen hundred and ninety, in reference to supplies therein provided for and on hand.”

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BUREAU OF CONSTRUCTION AND REPAIR.

CONSTRUCTION AND REPAIR OF VESSELS: * * * “*Provided*, The Secretary of the Navy shall incorporate in his next annual report a statement showing the name and tonnage of each vessel that has been completed since March four, eighteen hundred and eighty-five, when authorized to be built, when begun, and when commissioned, its entire cost of construction, including armor, armament, equipment, and premiums, and its costs for repairs since completion; and, also, a statement showing the name and tonnage of each vessel not completed, when authorized to be built, when begun, the probable date of its completion, the amount expended upon its construction, including armor, armament, and equipment and the estimated amount required for its completion, including armor, armament, equipment, and premiums.”

Secretary of the Navy to report on vessels.

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NAVAL ACADEMY.

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For furnishing and fitting gymnasium, five thousand dollars, which sum shall be immediately available.

Gymnasium.

* * * * *

For repairs to Santee’s wharf, four thousand dollars, which sum shall be immediately available.

Santee wharf.

For continuing the grading and improvement of the property condemned under act making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and ninety, and the adjacent ground, and for the improvement of the water front thereof, fifteen thousand dollars, which sum shall be immediately available.

Grading.

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MARINE CORPS.

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PROVISIONS, MARINE CORPS: * * * “No law shall be construed to entitle enlisted marines on shore duty to any rations or commutation therefor other than such as now are or may hereafter be allowed enlisted men in the army.”

Rations.

* * * * *

For purchase of one Gatling revolving gun complete and one Hotchkiss revolving gun complete, of service type and caliber, * * *

Gatling gun.
Hotchkiss gun.

- Mare Island.** For alterations, and repair of marine barracks at Mare Island, California, * * *.
- Barracks.** For introducing electric light at Marine Barracks and naval prison at Mare Island, California, * * *.

INCREASE OF THE NAVY.

That for the purpose of further increasing the Naval establishment of the United States the President is hereby authorized to have constructed by contract one protected cruiser of about seven thousand three hundred tons displacement, at a cost, exclusive of armament, not to exceed two million seven hundred and fifty thousand dollars, to have a minimum speed of not less than twenty-one knots, and in the construction of said vessel all of the provisions of the act of August third, eighteen hundred and eighty-six, entitled "An act to increase the Naval Establishment," as to materials for said vessel, its engines, boilers, and machinery, the contract under which it is built, the notice of any proposals for the same, the plans, drawings, specifications therefor, and the method of executing said contract, shall be observed and followed, and said vessel shall be built in compliance with the terms of said act, save that in all its parts said vessel shall be of domestic manufacture. And in the contract for the construction thereof such provisions for minimum speed and for premiums for increased speed and penalties for deficient speed may be made subject to the terms of this bill, as in the discretion of the Secretary of the Navy may be deemed advisable; and if the Secretary of the Navy shall be unable to contract at reasonable prices for the construction of said vessel, then he may build the same in such navy yard as he may designate.

One protect-
ed cruiser.

Speed.

Proposals.

And so much of the act approved March second, eighteen hundred and eighty-nine, as authorized the construction by contract of one armored steel cruising monitor of not less than three thousand tons displacement, at a cost not exceeding one million five hundred thousand dollars exclusive of armament and any premium for increased speed, is hereby repealed.

UNDER THE BUREAU OF ORDNANCE.

Armor and
armament.

ARMAMENT: Towards the armament and armor of domestic manufacture, for the vessels authorized by the act of August third, eighteen hundred and eighty-six; of the vessels authorized by section three of the act approved March third, eighteen hundred and eighty-seven; of the vessels authorized by the act approved September seventh, eighteen hundred and eighty-eight; of the vessels authorized by the act of March second, eighteen hundred and eighty-nine; of those authorized by the act of June thirtieth, eighteen hundred and ninety, and this act, four million dollars.

UNDER THE BUREAU OF EQUIPMENT.

EQUIPMENT OF NEW SHIPS OF THE NAVY: Supplying anchors, chain cables, galleys and fixtures, standing and running rigging, sails, awnings, and other canvas work, and other articles comprising the equipment outfit of ships, according to their type, namely: Protected cruisers numbered seven, eight, nine, ten, eleven, and twelve; the Monterey; gunboats numbered five and six; the harbor-defense vessel known as the Ammen ram; ironclads Puritan, Terror, Amphitrite, and Monadnock; the steel practice cruiser provided for by the act of September seventh, eighteen hundred and eighty-eight, and the torpedo cruiser and torpedo boat authorized by the act of June thirtieth, eighteen hundred and ninety, four hundred thousand dollars.

Equipment.

UNDER THE BUREAU OF YARDS AND DOCKS.

TRAVELING CRANES: For two traveling cranes of forty tons capacity, for dry-docks at New York and Norfolk, one hundred thousand dollars, to be made immediately available.

Traveling cranes.

CONSTRUCTION AND STEAM MACHINERY: Towards the construction and completion of the new vessels heretofore and herein authorized by Congress, with their engines, boilers, and machinery, and for the payment of premiums for increased speed or horse power under contracts now existing and to be made under this and other acts for increase of the Navy, twelve million one hundred and seven thousand dollars.

Completion of vessels authorized.

* * * *Provided*, That no contract for the purchase of gun steel or armor for the Navy shall hereafter be made until the subject matter of the same shall have been submitted to public competition by the Department by advertisement.

Guns, or armor, purchase of, after advertisement.

Approved, March 2, 1891.

FIFTY-SECOND CONGRESS, FIRST SESSION—JULY 19, 1892.

AN ACT Making appropriations for the Naval Service for the fiscal year ending June thirtieth, eighteen hundred and ninety-three, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

PAY OF THE NAVY.

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It is provided "every naval cadet or cadet engineer who has heretofore graduated or may hereafter graduate from the Naval Academy, and who has been or may hereafter be commissioned within six months after such graduation an officer in the Navy or Marine Corps of the United States, under the laws appointing such graduates to the Navy or Marine Corps, shall be allowed the pay of the grade in which he may be so commissioned from the time fixed as the date of the completion of the academic course of six years by the members of his class to the date of his qualification and acceptance of his commission."

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Pay of officers, commencement of.

BUREAU OF ORDNANCE.

ORDNANCE AND ORDNANCE STORES: * * *

For "maintenance of new proving ground, five thousand dollars; boiler and engine for new proving ground, fifteen thousand dollars; construction of a telegraph line from the navy-yard, Washington, District of Columbia, to the naval ordnance proving ground at Indian Head, Maryland, and instruments for same, five thousand dollars; in all, one hundred and eighty thousand dollars.

Proving ground.

"ORDNANCE EXPERIMENTS AND TESTS: For experimentation, making tests and development of torpedoes, projectiles, submarine guns, and other instruments of submarine warfare, and American armor, and for the use of nickel in armor, the Secretary of the Navy is hereby authorized to use one hundred thousand dollars, or so much thereof as may be necessary, to be taken from the appropriation of one million dollars appropriated by joint resolution of September twenty-ninth, eighteen hundred and ninety, for the purchase of nickel ore or nickel matte.

Experiments and tests of ordnance.

"To enable the Secretary of the Navy in his discretion to manufacture at the Washington navy-yard, after the approval of designs to be furnished by the inventor, one eight inch, fifty caliber, high-power steel rifle, wire-wrapped or built up and hooped, chambered to load with

Manufacture of guns, navy yard, Washington.

a primary and main charge insuring a progressive burning of the charge, and firing a high explosive projectile with great velocity, and to test the same; and for such purpose the sum of fifty thousand dollars which was appropriated for testing three or more rapid-fire, rapid twist one pounder, breech-loading guns and an equal number of the same type of three pounder guns and an equal number of the same type of thirty-two pounder guns, in the act making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and ninety, and for other purposes, may be used; the Chief of Ordnance of the Navy Department, under the inventor's designs, shall prepare necessary computations, plans, specifications, and working drawings of said gun and its ammunition, the expenses of which shall be paid out of the fifty thousand dollars herein provided for, and no part of such money shall be expended until the owners of the patents for said eight inch rifle and its ammunition shall contract, at such price as shall be satisfactory to the Secretary of the Navy, for the exclusive right on the part of the Government to manufacture by contract or otherwise such gun and ammunition without the payment of any royalty on the same, the option of the Government to make such contract to be exercised within a period to be fixed by said contract."

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BUREAU OF YARDS AND DOCKS.

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PUBLIC WORKS—NAVY-YARDS AND STATIONS.

- Portsmouth.** NAVY-YARD, PORTSMOUTH, NEW HAMPSHIRE: For coal pocket for the storage of coal, six thousand five hundred dollars; for construction of boiler house for buildings numbered forty-five and forty-six, seven thousand dollars; in all, thirteen thousand five hundred dollars.
- Brooklyn.** NAVY-YARD, BROOKLYN, NEW YORK: For quay wall extension of cob dock, thirty thousand dollars; for opening a gate into the navy-yard at Sand's Street, five thousand dollars; in all, thirty-five thousand dollars.
- League Island.** NAVY-YARD, LEAGUE ISLAND, PENNSYLVANIA: For extension of protection wall, twenty thousand dollars; for extension of light retaining wall, fifteen thousand dollars; for ripraps, Broad Street wharf, six thousand five hundred dollars; for branch sewer, two thousand one hundred dollars; in all, forty-three thousand six hundred dollars.
- Washington.** NAVY-YARD, WASHINGTON, DISTRICT OF COLUMBIA: For repair of breech-mechanism shop, fifteen thousand dollars.
- Norfolk.** NAVY-YARD, NORFOLK, VIRGINIA: For floating gate for granite dock, twenty-five thousand dollars; for coal shed,

six thousand five hundred dollars; in all, thirty-one thousand five hundred dollars.

NAVAL STATION, PORT ROYAL, SOUTH CAROLINA.—For the completion of dry dock at Port Royal, South Carolina, change of location of naval wharf, erection of office building, water-closet, pay of superintendents and inspectors, necessary dredging, incidental expenses, unforeseen emergencies and contingent expenses, and for protection to dry-dock entrance and wharf, one hundred and fifty thousand dollars; for officers' quarters, five thousand dollars; telephone line, one thousand five hundred dollars; in all, one hundred and fifty-six thousand five hundred dollars.

Port Royal.

NAVY-YARD, MARE ISLAND, CALIFORNIA: For one twelve-ton pillar wharf-crane, three thousand eight hundred dollars; for locomotive for yard use, four thousand dollars; for replanking wharves, three thousand dollars; for oil house for general storekeeper, eight thousand dollars; in all, eighteen thousand eight hundred dollars.

Mare Island.

* * * * *
For approaches and grounds: Observatory lane: Grading, filling, building culvert and retaining wall, and laying roadbed from Tennallytown road to new Naval Observatory, two thousand five hundred dollars; for asphaltting road and footways, one thousand five hundred dollars; in all, four thousand dollars.

Naval Observatory.

New meridian circle: For one six-inch meridian circle, with mounting collimators, reflection apparatus, reversing carriage, personal equation apparatus, illumination, and all accessories, complete, ten thousand dollars.

Removing Magnetic Observatory: For removal of magnetic buildings and instruments from the old to the new observatory, and construction of new basements, three thousand five hundred dollars.

* * * * *
Provision for the "Bureau of Provisions and Clothing, hereafter to be called

"BUREAU OF SUPPLIES AND ACCOUNTS.

"PROVISIONS, NAVY, BUREAU OF SUPPLIES AND ACCOUNTS: For * * * subsistence of officers and men when unavoidably detained or absent from vessels to which attached under orders (during which subsistence rations to be stopped on board ship and no credit for commutation therefor to be given) * * *. All laws now in force relating to the Bureau of Provisions and Clothing shall now and hereafter apply to the Bureau of Supplies and Accounts.

Bureau of Supplies and Accounts created.

"And the provisions of section two of the naval appropriation act approved March third, eighteen hundred and eighty-three, shall be so modified that hereafter orders

Officers on shore duty.

of the Secretary of the Navy employing officers on shore duty shall state that such employment is required by the public interests, but need not state the duration of such service."

BUREAU OF CONSTRUCTION AND REPAIR.

Wellman
roller bushings.

* * * * *
Four thousand dollars of the appropriation for construction and repair of vessels "may be used to purchase the right to manufacture and use the 'Wellman improved bushings for sheaves,' patented under letters patent numbered three hundred and three thousand seven hundred and seventy of August nineteenth, eighteen hundred and eighty-four: * * *."

Hartford.
Kearsarge.

For "the necessary repairs and preservation of the United States ships Hartford and Kearsarge * * *."

BUREAU OF STEAM ENGINEERING.

League Is-
land.

* * * * *
Navy-yard, League Island, Pennsylvania: For necessary tools and machinery to put the yard in condition to do ordinary repair work * * *.

MARINE CORPS.

Marine bar-
racks.
Port Royal.

* * * * *
For erection of a building for marine barracks at naval station, Port Royal, South Carolina; appropriation to be immediately available, three thousand dollars; and no part of this appropriation shall be used until a contract shall have been made for the completion of said barracks within the same.

Mare Island.

For sanitary improvements at the Marine barracks, navy-yard, Mare Island, California, five thousand two hundred and twelve dollars.

Naval review,
World's Colum-
bian Exposit-
tion.

* * * * *
INTERNATIONAL NAVAL RENDEZVOUS AND REVIEW: Toward the expenses of the international naval rendezvous and review, as provided in section eight of the act creating the Worlds Columbian Exposition, including pay and drill of seamen temporarily enlisted and used for said review in addition to the regular number of enlisted men and including the construction by the Secretary of the Navy of reproductions in Spain of two of the caravels, the Pinta and the Nina, which composed the fleet of Columbus on his voyage of discovery, to be taken after the review to Chicago as a part of the Government exhibit, fifty thousand dollars.

INCREASE OF THE NAVY.

That for the purpose of further increasing the Naval Establishment of the United States, the President is hereby authorized to have constructed, by contract, one armored cruiser of about eight thousand tons displacement of the general type of armored cruiser numbered two (New York), to cost, exclusive of armament, not more than three million five hundred thousand dollars, excluding any premium that may be paid for increased speed and the cost of armament. The contract for the construction of said cruiser shall contain provisions to the effect that the contractor guarantees that when completed and tested for speed, under conditions to be prescribed by the Navy Department, it shall exhibit a speed of at least twenty knots per hour; and for every quarter knot of speed so exhibited above said guaranteed speed the contractor shall receive a premium over and above the contract price of fifty-thousand dollars; and for every quarter knot that such vessel fails of reaching said guaranteed speed there shall be deducted from the contract price the sum of fifty thousand dollars; In the construction of said vessel all the provisions of the act of August third, eighteen hundred and eighty-six, entitled "An act to increase the Naval Establishment," as to material for said vessel, its engines, boilers, and machinery, the contract under which it is built, the notice of and proposals for the same, the plans, drawings, specifications therefor, and the method of executing said contract, shall be observed and followed, and said vessel shall be built in compliance with the terms of said act, save that in all its parts said vessel shall be of domestic manufacture. If the Secretary of the Navy shall be unable to contract at reasonable prices for the building of said vessel, then he may build such vessel in such navy-yard as he may designate.

One armored
cruiser.

Speed.

Also one sea-going coast-line battle ship, designed to carry the heaviest armor and most powerful ordnance, with a displacement of about nine thousand tons, to have the highest practicable speed for vessels of its class, and to cost, exclusive of armament and of any premiums that may be paid for increased speed, not exceeding four million dollars.

One battle-
ship.

And in the construction of said battle ship, the provisions of the act of August third, eighteen hundred and eighty-six, entitled "An act to increase the Naval Establishment," shall be observed and followed in the same manner that the provisions of said act are applied to the construction of the armored cruiser herein authorized; and in the contracts for the construction of said battle ship, such provisions for minimum speed and for premiums for increased speed and penalties for deficient

speed may be made, subject to the terms of this act, as in the discretion of the Secretary of the Navy may be deemed advisable.

UNDER THE BUREAU OF ORDNANCE.

Armor and armament. **ARMAMENT AND ARMOR:** Toward the armament and armor of domestic manufacture for the vessels authorized by the act of August third, eighteen hundred and eighty-six; of the vessels authorized by section three of the act approved March third, eighteen hundred and eighty-seven; of the vessels authorized by the act approved September seventh, eighteen hundred and eighty-eight; of the vessels authorized by the act of March second, eighteen hundred and eighty-nine; of those authorized by the acts of June thirtieth, eighteen hundred and ninety, March second, eighteen hundred and ninety-one, and this act, including the purchase and installation of new machinery for the breech-mechanism shop at the navy-yard, Washington, District of Columbia, and torpedo outfits for the Atlanta, Boston, and Chicago, two million dollars.

UNDER THE BUREAU OF EQUIPMENT.

Equipment. **EQUIPMENT OF NEW VESSELS OF THE NAVY:** Toward the completion of the equipment outfit of the new vessels heretofore authorized by Congress, four hundred thousand dollars.

UNDER THE BUREAU OF YARDS AND DOCKS.

TRAVELING CRANES: For one traveling crane of forty tons capacity, for dry docks at Mare Island, California, navy-yard, sixty thousand dollars.

Completion of vessels. **CONSTRUCTION AND STEAM MACHINERY:** Toward the construction and completion of the new vessels heretofore and herein authorized by Congress, with their engines, boilers and machinery, and for the payment of premiums for increased speed or horse power under contracts now existing and to be made under this and other acts for increase of the Navy, seven million dollars: *Provided*, That **Contracts after public competition.** no contract for the purchase of gun steel or armor for the Navy shall hereafter be made until the subject-matter of the same shall have been submitted to public competition by the Department by advertisement.

Approved, July 19, 1892.

FIFTY-SECOND CONGRESS, SECOND SESSION—MARCH 3, 1893.

[PUBLIC—No. 128.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and ninety-four, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

PAY OF THE NAVY.

* * * * *
Provision for any naval constructor having the rank of captain, commander, or lieutenant commander to be eligible as chief of the Bureau of Construction and Repair. Chief of Bureau Construction and Repair, eligibility for.

PAY MISCELLANEOUS.

* * * * *
“Hereafter the accounting officers of the Treasury are hereby authorized to credit appropriation ‘Pay miscellaneous,’ with all receipts for interest on the account of the Navy Department with the London fiscal agents, premiums arising from sales of bills of exchange, and from any appreciation in the value of foreign coin. And fraudulent enlistment, and the receipt of any pay or allowance thereunder, is hereby declared an offense against naval discipline and made punishable by general court-martial, under article twenty-two of the articles for the government of the Navy; but this provision shall not take effect until sixty days after the passage of this act.” London fiscal agents; allowance to. Fraudulent enlistment.

BUREAU OF NAVIGATION.

* * * * *
That an officer of the Navy not below the rank of commander may be detailed as assistant to the Chief of the Bureau of Navigation in the Navy Department, and such officer shall receive the highest pay of his grade, and, in case of the death, resignation, absence, or sickness of the Chief of the Bureau, shall, unless otherwise directed by the President, as provided by section one hundred and seventy-nine of the Revised Statutes, perform the duties of such Chief until his successor is appointed or such absence or sickness shall cease. Assistant to Chief of Bureau of Navigation.

Purchase of discharge. *Provided*, "In time of peace the President may in his discretion, and under such rules and upon such conditions as he may prescribe, permit any enlisted man to purchase his discharge from the Navy or the Marine Corps, the amounts received therefrom to be covered into the Treasury."

Coasters Island. NAVAL TRAINING STATION, COASTERS HARBOR ISLAND, RHODE ISLAND (FOR APPRENTICES): * * *

"For building retaining wall, from material on the island, at a price not to exceed three dollars per foot, and foundation, two thousand five hundred dollars;

"For two boilers and extension of boiler house, with water tank and feed-water tank, seven thousand dollars.

"For purchase of one dynamo, fifty horse power, and extension of electric plant for training station and War College and Torpedo School, four thousand five hundred;"

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BUREAU OF ORDNANCE.

* * * * *

One submarine. For submarine torpedo boat: For building a submarine torpedo boat and conducting experiments therewith, two hundred thousand dollars, to be taken from the balances of appropriations on hand July first, eighteen hundred and ninety-three, to the credit of armor and armament of vessels heretofore authorized.

* * * * *

PUBLIC WORKS—BUREAU OF YARDS AND DOCKS, NAVY-YARDS AND STATIONS, NAVAL ACADEMY, AND NEW NAVAL OBSERVATORY.

Portsmouth. NAVY-YARD, PORTSMOUTH, NEW HAMPSHIRE: For construction of boiler house for building number ten, fifteen thousand dollars.

Boston. NAVY-YARD, BOSTON, MASSACHUSETTS: For repairs to wharf, twenty thousand dollars.

Brooklyn. NAVY-YARD, BROOKLYN, NEW YORK: For completing gateway on Sands Street, paving and grading streets in connection with same, extension of railroad tracks, continuation of quay wall, repairs to buildings, and for other improvements at the navy-yard, Brooklyn, New York, three hundred thousand dollars, to be paid from proceeds of sale of portion of Brooklyn Navy-yard under act of Congress, approved December twenty-second, eighteen hundred and ninety-two.

League Island. NAVY-YARD, LEAGUE ISLAND, PENNSYLVANIA: For continuation of sea wall, twenty thousand dollars; one pair shear legs, eighteen thousand dollars; toward the construction of east dry dock pier, as estimated for by the Bureau of Yards and Docks, forty thousand dollars; the total cost for the completion of the said pier not to exceed

the sum of eighty thousand dollars; in all, seventy-eight thousand dollars.

NAVY-YARD, WASHINGTON, DISTRICT OF COLUMBIA: For new timber shed for ordnance purposes, seven thousand five hundred dollars; for conversion of mold-loft building into a forge shop, eight thousand dollars; for reconstruction of forge shop with foundations for crane columns, ten thousand dollars; for one wrecking car with fifteen-ton crane attachment, two thousand five hundred dollars; for installation of electric lights in breech-mechanism shop, two thousand five hundred dollars; in all, thirty thousand five hundred dollars. Washington.

NAVY-YARD, NORFOLK, VIRGINIA: For extension of quay wall, fifteen thousand dollars; for extension of water system, eight thousand dollars; in all, twenty-three thousand dollars. Norfolk.

NAVAL STATION, PORT ROYAL, SOUTH CAROLINA: For sewerage, eight hundred and forty-six dollars; for officers' quarters, seven thousand dollars; for boathouse, one thousand dollars; for barn, seven hundred and fifty dollars; and for completing officers' quarters, heretofore authorized, two thousand five hundred dollars; in all, twelve thousand and ninety-six dollars. Port Royal.

DRY DOCK, ALGIERS, LOUISIANA: Toward the establishment of a dry dock on the Government reservation, near Algiers, Louisiana; for plans and specifications, and for the acquisition of such additional land as may be necessary in the discretion of the Secretary of the Navy, in accordance with the recommendations of two Commissions appointed by the President under the provisions of an act approved September seventh, eighteen hundred and eighty-eight, and the act approved June thirtieth, eighteen hundred and ninety, respectively, twenty-five thousand dollars. Dry-dock,
Algiers, La.

NAVY-YARD, MARE ISLAND, CALIFORNIA: For dredging, twenty thousand dollars; for dry-air closet, four thousand dollars; for new carriage house and dirt stables, for yards and docks stables, three thousand dollars; for changes in steam-engineering buildings, four thousand seven hundred and ninety-seven dollars; for shed for bending slabs, rolls, and furnaces, six thousand three hundred and eighty-one dollars; for engine house for engine for construction and repair, three thousand four hundred and seventy dollars; in all, forty-one thousand six hundred and forty-eight dollars. Mare Island.

DRY DOCK, PUGET SOUND, WASHINGTON: To continue the construction of the dry dock at Puget Sound, authorized by the act approved March second, eighteen hundred and ninety-one, including approaches to dry dock, rent of quarters for civil engineer and inspector, pay of superintendents, inspectors, and draftsmen, necessary dredging, and incidental expenses, two hundred and twenty-five thousand dollars. Dry-dock,
Puget Sound.

* * * * *

Naval Academy.

Buildings and grounds: For one new boiler house and fittings, to be immediately available, twenty-six thousand dollars; for the erection of two double houses for officers' quarters, thirty thousand dollars; in all, fifty-six thousand dollars.

Naval Observatory.

For grounds and roads: For continuing grading, extending roads and paths, clearing grounds of New Naval Observatory, and filling ravine contiguous to boiler house, to be immediately available, twelve thousand dollars.

Stationary fire engine: For one stationary fire engine, with pipes, connections, and frame shelter, four thousand five hundred dollars; in all sixteen thousand five hundred dollars.

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BUREAU OF SUPPLIES AND ACCOUNTS.

* * * * *

Naval supply fund created.

"And the Secretary of the Treasury is hereby authorized and directed to cause general account of advances to be charged with the sum of two hundred thousand dollars, which amount shall be carried to the credit of a permanent naval-supply fund to be used under the direction of the Secretary of the Navy in the purchase of ordinary commercial supplies for the naval service, and to be reimbursed from the proper naval appropriations whenever the supplies purchased under said fund are issued for use."

* * * * *

Naval supplies, completing consolidation of.

For consolidating naval supplies: "For completion of the work of arranging, classifying, consolidating, and cataloguing supplies of the Navy, * * *."

"For expenses (not properly chargeable to other specific appropriations) of handling, shipping, and transportation from one station to another of the stores which under the law have ceased to belong to particular bureaus and have become general supplies for use of the Navy, * * *."

MARINE CORPS.

* * * * *

Marine barracks.

"To complete the erection of barracks at naval station, Port Royal, South Carolina, appropriation to be immediately available, two thousand six hundred dollars.

"For erection of a marine barracks on Coaster Harbor Island, Newport, Rhode Island, fifteen thousand dollars: *Provided*, That no part of this appropriation shall be used until a contract shall have been made for the completion of said barracks within the same."

* * * * *

INTERNATIONAL NAVAL RENDEZVOUS AND REVIEW: For the expenses of the International Rendezvous and Review, including assembling and preparation of ships and such temporary increase of the force of enlisted men and marines as may be required, and such other necessary expenses as the Secretary of the Navy may authorize, to be immediately available, three hundred thousand dollars, or so much thereof as may be necessary; and the number of persons who may at one time be enlisted into the Navy of the United States, including seamen, ordinary seamen, landsmen, mechanics, firemen, and coal heavers, and including one thousand five hundred apprentices and boys, hereby authorized to be enlisted annually, shall not exceed nine thousand. And the Secretary of the Navy be, and he is hereby, authorized, empowered, and directed to define and establish suitable anchorage grounds in Hampton Roads and in New York harbor during the continuance of the naval rendezvous and review to be held in pursuance of the provisions of section eight of the act of Congress, approved April twenty-fifth, eighteen hundred and ninety, creating the World's Columbian Exposition; and the Secretary of the Navy is hereby further authorized to make such rules and regulations regarding the movements of all vessels in the roadstead and harbor named as may be necessary in order to insure the proper and orderly conduct of said naval rendezvous and review and provide for the safety of the vessels participating therein; and such rules and regulations when so issued and published shall have the force and effect of law.

Naval review,
World's Colum-
bian Exposit-
tion.

INCREASE OF THE NAVY.

That for the purpose of further increasing the Naval Establishment of the United States, the President is hereby authorized to have constructed, by contract, three light-draft protected gunboats of about one thousand two hundred tons displacement each, to cost, exclusive of armament, not more than four hundred thousand dollars each, excluding any premium that may be paid for increased speed and the cost of armament. The contract for the construction of either of said gunboats shall contain such provisions as to speed and premiums and penalties affected by speed as may in the judgment of the Secretary of the Navy may be deemed proper and fitting. In the construction of said vessels all the provisions of the act of August third, eighteen hundred and eighty-six, entitled "An act to increase the Naval Establishment," as to material for said vessels, their engines, boilers, and machinery, the contract under which they are built, the notice of and proposals for the same, the plans, drawings, specifications therefor, and the method of executing said contracts, shall be observed and followed, and said vessels

Three pro-
tected gun-
boats.

shall be built in compliance with the terms of said act, save that in all their parts said vessel shall be of domestic manufacture: *Provided, however,* That the Secretary of the Navy shall not receive or consider bids from any party or parties not provided with a plant suitable to do the work: *And provided further,* That in awarding the contract for any one of these ships, the Secretary of the Navy shall award the contract at the price of the lowest bid to that one of the parties bidding on any such ship which in his judgment it is in the interest of the Government to have to do the work. If the Secretary of the Navy shall be unable to contract at reasonable prices for the building of said vessels, then he may build such vessels in such navy-yard as he may designate.

Proposals for.

UNDER THE BUREAU OF ORDNANCE.

Armor and armament.

ARMAMENT AND ARMOR: All balances of appropriations on hand July first, eighteen hundred and ninety-three, to the credit of armor and armament of vessels heretofore authorized, shall be available toward the armor and armament of any of the vessels heretofore authorized as well as for the armor and armament of vessels authorized by this act, including the purchase of or payment for the right to use and employ such patented processes and to manufacture and use such patented devices, apparatus, models, and designs as may, in the judgment of the Secretary of the Navy, be necessary or desirable to increase the efficiency of the armor and armament for naval vessels: *Provided, always,* That such armor and armament shall be of domestic manufacture.

UNDER THE BUREAU OF EQUIPMENT.

Completion of vessels authorized.

EQUIPMENT OF NEW VESSELS OF THE NAVY: Toward the completion of the equipment outfit of the new vessels heretofore and herein authorized by Congress, two hundred and fifty thousand dollars.

CONSTRUCTION AND STEAM MACHINERY: On account of the hulls and outfits of vessels and steam machinery of vessels heretofore and herein authorized, six million eight hundred and seventy-five thousand dollars: *Provided,* That no contract for the purchase of gun steel or armor for the Navy shall hereafter be made until the subject-matter of the same shall have been submitted to public competition by the Department by advertisement.

Approved, March 3, 1893.

FIFTY-THIRD CONGRESS, SECOND SESSION—JULY 26, 1894.

[PUBLIC—No. 128.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and ninety-five, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

PAY OF THE NAVY.

* * * * *

It is provided "that all officers who have been appointed to any corps of the Navy after service in a different branch of the Navy, shall have all the benefits of their previous service in the same manner as if said appointments were a re-entry into the Navy. Any alien of the age of twenty-one years and upward who has enlisted or may enlist in the United States Navy or Marine Corps, and has served or may hereafter serve five consecutive years in the United States Navy or one enlistment in the United States Marine Corps, and has been or may hereafter be honorably discharged, shall be admitted to become a citizen of the United States upon his petition, without any previous declaration of his intention to become such; and the court admitting such alien shall, in addition to proof of good moral character, be satisfied by competent proof of such person's service in and honorable discharge from the United States Navy or Marine Corps: *Provided further*, That in order to fill vacancies that may exist in the grade of ensign in the Navy and in the grade of assistant engineer in the Navy, the Secretary of the Navy shall, in case the number of vacancies in either of such grades exceeds the number of naval cadets in the line division or in the engineer division of the class of naval cadets finally graduated in the year eighteen hundred and ninety-four, or in any one year thereafter, select a number equal to such excess from the final graduates of said class in the engineer division or in the line division, as the case may require, who shall be reported as proficient and be recommended thereto by the Academic Board, and such final graduates shall be appointed to fill vacancies in the grade of ensign in the Navy or in the grade of assistant engineer in the Navy, respectively, and the naval cadets so appointed to fill vacancies in such grades shall take rank in those respective grades next after the naval cadets appointed from the line division or from the engineer division, as the

Regulating rank on transfer.

Citizenship.

Ensign.

Assistant engineer.

case may be, to fill vacancies in those grades, but among themselves according to merit as determined by the Academic Board.”

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BUREAU OF NAVIGATION.

Ourdan and
Kolb engraving
machine.

Provision: “To enable the Secretary of the Navy in his discretion to purchase for the United States the Ourdan and Kolb letter-engraving machine and the right to manufacture and use, without the payment of royalty, others of said machine and any and every improvement or modification of said machine or applicable to said machine and referred to in the letters patent that have been or may hereafter be granted to the inventors of said machine or their assignees, twenty thousand dollars, or so much thereof as may be necessary.”

BUREAU OF ORDNANCE.

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Quarters,
Fort Norfolk,
Va.

REPAIRS, BUREAU OF ORDNANCE: * * * “For the addition of two rooms to the quarters of the inspectors of ordnance at Fort Norfolk, Virginia, * * *.”

Naval maga-
zine, Mare Is-
land, Cal.

“For construction and extension of buildings at the naval magazine, Mare Island, to replace those destroyed by the explosion on June thirteenth, eighteen hundred and ninety-two, seventeen thousand nine hundred dollars; * * *.”

Guncotton
factory.

“For replacing the gun-cotton factory destroyed by fire July third, eighteen hundred and ninety-three, eleven thousand and seventy-seven dollars; * * *.”

Washington
Navy Yard.

“GUN PLANT, WASHINGTON NAVY-YARD: For gun plant, navy-yard, Washington, District of Columbia: Erection of steam hammers, blast to furnace and forges, in the new forge shop at the Washington navy-yard (mold-loft building converted into forge shop, act of March third, eighteen hundred and ninety-three), six thousand dollars; for necessary machinery to equip the new machine shop at the Washington navy-yard (old forge shop reconstructed, act of March third, eighteen hundred and ninety-three), and for additional boiler power, one hundred and eleven thousand dollars; * * *.”

BUREAU OF YARDS AND DOCKS.

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PUBLIC WORKS—BUREAU OF YARDS AND DOCKS, NAVY-YARDS AND STATIONS, NAVAL ACADEMY, AND NEW NAVAL OBSERVATORY.

Boston.

NAVY-YARD, BOSTON, MASSACHUSETTS: For electric light plant, fifteen thousand dollars.

NAVY-YARD, BROOKLYN, NEW YORK: For caisson for granite dock, thirty-five thousand dollars; for renewing buildings numbered one hundred and fourteen, one hundred and fifteen, and one hundred and sixteen (C. and R.), seventy thousand dollars; for grading, paving, and laying of sewers, ten thousand dollars; for quay wall inside of Whitney basin, twenty-five thousand dollars; in all, one hundred and forty thousand dollars.

Brooklyn.

NAVY-YARD, LEAGUE ISLAND, PENNSYLVANIA: For continuation of sea wall, twenty thousand dollars; for completion of shear legs, eleven thousand nine hundred dollars; for an electric-light plant, ten thousand dollars; to complete east dry-dock pier, forty thousand dollars, to be immediately available; in all, eighty-one thousand nine hundred dollars.

League Island.

NAVY-YARD, WASHINGTON, DISTRICT OF COLUMBIA: For extension of yard wall through marsh, twenty-four thousand six hundred and ninety-three dollars; retaining wall for, and raising lower floor, store numbered ten, ten thousand nine hundred and fifteen dollars; locomotive wrecking crane, seven thousand five hundred dollars; completing conversion of mold-loft building into forge shop, six thousand nine hundred and thirty-six dollars; in all, fifty thousand and forty-four dollars.

Washington.

NAVY-YARD, NORFOLK, VIRGINIA: For extension of electric plant, eight thousand dollars; for sewers, drains, and water-closets in offices and shops, fifteen thousand dollars; for continuing quay wall, fifteen thousand dollars.

Norfolk.

For the construction of a fireproof storehouse to replace the storehouse building numbered fifteen, destroyed by fire in December, eighteen hundred and ninety-three, seventy-two thousand three hundred and sixty-five dollars and seventy-seven cents; in all, one hundred and ten thousand three hundred and sixty-five dollars and seventy-seven cents.

NAVAL STATION, PORT ROYAL, SOUTH CAROLINA: For repairs to main wharf, eighteen thousand three hundred and sixty-eight dollars.

Port Royal.

For paying Justin McCarthy, contractor for building the dry dock at Port Royal, South Carolina, in full for loss and damage caused by the cyclone of August twenty-seventh and twenty-eighth, eighteen hundred and ninety-three, as ascertained by the Navy Department, eighteen thousand five hundred and twenty-one dollars and forty-two cents.

Dry dock at Algiers, Louisiana: For the purpose of completing the purchase of additional lands necessary for the establishment of a dry dock at Algiers, Louisiana, cost of advertising, plans and specifications for said dry dock, and expenses of judicial proceedings instituted for the condemnation of such additional lands, twenty-three thousand and twenty-five dollars and three cents.

Dry dock, Algiers.

- Mare Island.** NAVY-YARD, MARE ISLAND, CALIFORNIA: For extending yard railroads, eighteen thousand three hundred and thirty-two dollars; for navy-yard roads, five thousand dollars; for shed over galvanizing plant (C. and R.), three thousand seven hundred and fifty dollars; for cottage for electrician, one thousand nine hundred and thirty-seven dollars; in all, twenty-nine thousand and nineteen dollars.
- For the construction of a steam tug at Mare Island Navy Yard, California, for the use of said yard, fifty thousand dollars.
- Dry dock, Puget Sound.** DRY DOCK, PUGET SOUND [NAVAL STATION], WASHINGTON: For artesian wells, three thousand five hundred dollars; to defray the expenses incurred prior to September sixteenth, eighteen hundred and ninety-two, in boring test wells, recording titles and deeds, perfecting titles, and in connection with the purchase of the Puget Sound dry dock, two thousand five hundred and seventy-nine dollars and eighty-three cents, the same having been expended by Lieutenant A. B. Wykoff, United States Navy, by direction of the Navy Department; in all, six thousand and seventy-nine dollars and eighty-three cents.
- Key West.** FOR NAVAL STATION, KEY WEST, FLORIDA: Coaling shed, ten thousand dollars
- * * * * *
- Naval Academy.** FOR BUILDINGS AND GROUNDS, NAVAL ACADEMY: Improvement of the water front of the Academy, ten thousand dollars.
- For repairs to the gas-plant, five thousand dollars.
- Annapolis streets, pavement of.** To pave Hanover street from Maryland avenue to Wagner street, Wagner street from Hanover street to King George street, and King George street from College avenue to College or Graveyard Creek, in the city of Annapolis, Maryland, thirteen thousand dollars; and the Secretary of the Navy is hereby authorized to convey to the city of Annapolis, Maryland, the title to the bed of King George street from College avenue to College or Graveyard Creek.
- Naval Observatory.** FOR GROUNDS AND ROADS: For continuing grading, extending roads and paths, clearing and improving grounds of New Naval Observatory, and filling ravine contiguous to boiler house to Massachusetts avenue extended, twelve thousand dollars.
- Instruments and accessories: Miscellaneous instruments and accessories, namely: One comet seeker, four hundred dollars; one standard mercurial barometer, four hundred dollars; one magnetic theodolite, eight hundred dollars; one dip circle, two hundred and fifty dollars; one earth inductor inclinometer, three hundred dollars; one galvanometer, eighty dollars; one telescope and scale, fifty dollars; one quadrant galvanometer, sixty-two dollars; one compensator, fourteen dollars; glass scales, one hun-

dred dollars; beam suspensions, one hundred dollars; one photographic register, one hundred and fifty dollars; one altazimuth instrument, mounted and protected from weather, six thousand five hundred dollars; eye-pieces and shades, two hundred and fifty dollars; one twelve-inch object-glass, two thousand dollars. For freight elevator, five hundred dollars; in all, twenty-three thousand nine hundred and fifty-six dollars.

BUREAU OF MEDICINE AND SURGERY.

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NAVAL HOSPITAL FUND: * * * "For complete renovation of present hospital building at Brooklyn, New York, with a view of placing it in a perfect sanitary condition, namely: for sealing all the walls to remove existing disease germs and for antiseptically finishing and painting them, removing rotten wooden floors and replacing them by tile with slate sidings impervious to moisture, scraping and painting all doors and woodwork, refitting windows so as to be utilized in ventilation, remodeling cased wooden stairways and renewing them with iron or other suitable material, fifteen thousand dollars; for construction of one ward of modern design of sufficient size and cubic air space to accommodate at least fifty sick and wounded men, to be one story high with suitable elevation and to be constructed of the same material used for present hospital, twenty-five thousand dollars; for erection of retaining and boundary wall, fifteen thousand dollars; for kitchen, mess hall, and smoking room removed from basement and located apart, conveniently for inmates and attendants of main hospital building and proposed adjacent wards, three thousand five hundred dollars; for construction of an operating ward with all modern antiseptic appliances, one thousand five hundred dollars; for heating and fire apparatus enlarged and improved: Plumbing renewed, five thousand dollars; for elevator for transporting sick and wounded introduced, three thousand dollars; for apartment fitted in main building for chapel, reading room, and sailors' library, one thousand dollars; in all, sixty-nine thousand dollars, which sum shall be paid from that portion of the naval hospital fund accruing from the sale of naval hospital grounds to the city of Brooklyn, and placed to the credit of the naval hospital fund, in pursuance of the provisions of the Act approved July second, eighteen hundred and ninety."

Naval hospital, Brooklyn.

CONTINGENT, BUREAU OF MEDICINE AND SURGERY:
* * *

Provision for "department of instruction, sick quarters at Naval Academy and marine barracks, * * * for necessary expenses incident to removal of museum of Museum, removal of.

hygiene to old observatory building and grounds, and for such minor repairs on said building and grounds as may be required to properly receive and preserve the exhibits * * *.”

BUREAU OF SUPPLIES AND ACCOUNTS.

Assistant to
Chief of Bu-
reau of Sup-
plies and Ac-
counts.

Provides “that an officer of the pay corps of the Navy may be detailed as assistant to the Chief of the Bureau of Supplies and Accounts in the Navy Department, and that such officer shall, in case of the death, resignation, absence, or sickness of the Chief of the Bureau, unless otherwise directed by the President, as provided by section one hundred and seventy-nine of the Revised Statutes, perform the duties of such chief until his successor is appointed or such absence or sickness shall cease.”

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BUREAU OF CONSTRUCTION AND REPAIR.

CONSTRUCTION AND REPAIR OF VESSELS: * * *

Constitution.

For the repair of the ship Constitution, now lying at the Portsmouth navy-yard, in the State of New Hampshire, in order that it may be used as a training ship for the naval militia, eight thousand dollars.

Hartford.

For the repairs of the hull of the United States ship Hartford, to be used as a training ship when repaired, one hundred and fifty thousand dollars.

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BUREAU OF STEAM ENGINEERING.

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Chicago.

STEAM MACHINERY (SPECIAL): To commence the construction of new machinery, engines, and boilers of United States steamship Chicago, two hundred thousand dollars.

Standish.

To replace present machinery and boiler of tug Standish, at Naval Academy, with new machinery, fifteen thousand dollars.

Fortune.

To replace present machinery and boiler of tug Fortune, at Norfolk, Virginia, with new machinery, fifteen thousand dollars.

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NAVAL ACADEMY.

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Cadets, Naval
Academy, ap-
pointment of.

“Provided, That section fifteen hundred and fourteen, chapter five, title fifteen of the Revised Statutes of the United States, is hereby amended so that it shall hereafter read: The Secretary of the Navy shall, as soon after the fifth of March in each year as possible, notify in writ-

ing each Member and Delegate of the House of Representatives of any vacancy that may exist in his district. The nomination of a candidate to fill said vacancy shall be made upon the recommendation of the Member or Delegate, if such recommendation is made by the first day of July of that year; but if it is not made by that time, the Secretary of the Navy shall fill the vacancy by appointment of an actual resident of the district in which the vacancy exists, who shall have been for at least two years immediately preceding the date of his appointment an actual and bona fide resident of the district in which the vacancy exists and of the legal qualification under the law as now provided. The candidate allowed for the District of Columbia, and all the candidates appointed at large, shall be selected by the President.

“That every Member or Delegate of Congress whose district or territory is now unrepresented at the Naval Academy by a cadet who is not an actual resident of the district shall be permitted on or before the first day of September, eighteen hundred and ninety-four, to recommend a candidate for appointment as a cadet at the Naval Academy, and the Secretary of the Navy shall nominate such candidate for appointment to the Academy, subject to qualifications now prescribed by law. Such cadets when appointed to be in addition to the number of cadets now allowed, and the sum of five thousand five hundred dollars, or so much thereof as is necessary, is hereby appropriated for the additional number of cadets herein authorized.”

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MARINE CORPS.

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FOR REPAIRS OF BARRACKS: * * *

“For alteration and repair of marine barracks and other public buildings, repair of parade ground, relaying walks and gas and water pipes at navy-yard, Brooklyn, New York, * * * * * Marine barracks, Brooklyn.

“For the introduction of steam heat into the marine barracks and officers’ quarters, navy-yard, Boston, Massachusetts, and incidental expenses connected therewith, * * * * * Boston.

INCREASE OF THE NAVY.

ARMOR AND ARMAMENT: Toward the armor and armament and armor of domestic manufacture for the vessels authorized by the act of August third, eighteen hundred and eighty-six; of the vessels authorized by the act approved September seventh, eighteen hundred and eighty-eight; of the vessels authorized by the act approved March second, eighteen hundred and eighty-nine; of those authorized by the act of June thirtieth, eighteen hundred and ninety; Armor and armament.

of the one authorized by the act of March second, eighteen hundred and ninety-one; of those authorized by the act of July nineteenth, eighteen hundred and ninety-two; and of the vessels authorized by the act of March third, eighteen hundred and ninety-three, four million dollars.

CONSTRUCTION AND STEAM MACHINERY: On account of the hulls and outfits of vessels and steam machinery of vessels heretofore or herein authorized, five million nine hundred and fifty-five thousand and twenty-five dollars and from this amount there shall be paid all speed premiums upon new naval vessels earned previous to January first, eighteen hundred and ninety-four, and which remain unpaid at this date, the amount of such speed premium in each case being according to the official report in the trial of each vessel approved by the Secretary of the Navy.

Construction
and machinery.

One cruiser. The Secretary of the Navy is hereby authorized to use the four hundred and fifty thousand dollars "for the construction of one additional cruiser of the Vesuvius type," appropriated by the act of March second, eighteen hundred and eighty-nine, or so much thereof as may be necessary for the construction, armament, and equipment of three torpedo boats, to cost, all together, not more than the said sum of four hundred and fifty thousand dollars. And authority is hereby given to transform the United States steamship Vesuvius into a torpedo cruiser if, in the opinion of the Secretary of the Navy, such transformation will add to "the efficiency of this vessel for naval purposes." And the Secretary of the Navy is hereby authorized to remit the time penalties on the dynamite cruiser Vesuvius, and a sum sufficient for such purpose is hereby appropriated.

Vesuvius,
conversion of.

Approved, July 26, 1894.

FIFTY-THIRD CONGRESS, THIRD SESSION—MARCH 2, 1895.

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and ninety-six, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

PAY OF THE NAVY.

It is provided "the Secretary of the Navy is hereby authorized to enlist as many additional seamen as in his discretion he may deem necessary, not to exceed one thousand; * * *: *Provided*, That any retired officer of the Navy or Marine Corps may, on his own application, be detailed to service as a teacher or professor in any school or college, but while so serving such officer shall be allowed no additional compensation."

Additional seamen.

Retired officers detailed at schools and colleges.

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"That the accounting officers of the Treasury are hereby authorized and directed to credit Philip S. Wales, medical director, United States Navy, with the sum of forty-four thousand fifty-five dollars and eighty-nine cents, to relieve the said Wales from certain charges raised against him on the books of the Treasury upon Treasury settlement numbered eight thousand and sixty-two, dated January tenth, eighteen hundred and eighty-eight: *Provided*, That the Secretary of the Navy shall be satisfied that the said Philip S. Wales received no benefit from the payment of the vouchers represented in the charges now standing against him in said Treasury settlement numbered eight thousand and sixty-two."

Medical Director of the United States Navy, Philip S. Wales, relieved of.

BUREAU OF NAVIGATION.

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"Naval Station, Newport, Rhode Island: For maintenance of office of commandant, stationery, heating, furniture, freight, and other contingent expenses, * * *"
"NAVAL TRAINING STATION, COASTERS HARBOR ISLAND, RHODE ISLAND (FOR APPRENTICES): * * * For hospital for station, twenty thousand dollars; * * *: *Provided*, That no part of the personnel of the training force shall be quartered on shore except in case of sickness."

Newport.

Coasters Island. Hospital for station.

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BUREAU OF ORDNANCE.

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A provision "to enable the Secretary of the Navy to pay, should he consider such payment desirable, for the Patent rights.

exclusive rights to and for ordnance appliances now in use on naval vessels and protected and covered by Patent Numbered Five hundred and thirty-three thousand one hundred and seventy-one, said patent being embraced in a contract dated January twenty-eighth, eighteen hundred and ninety-three, and signed by the Secretary of the Navy and the patentee and authorized in the act making appropriations for the Naval Service for the fiscal year ending June thirtieth, eighteen hundred and ninety-three, and for other purposes, twenty-five thousand dollars, or so much thereof as may be necessary, to be immediately available."

* * * * *

Purchase of guns. "For purchase of forgings and manufacture of guns for batteries for training ships, and a reserve supply of guns for ships of the Navy, one hundred thousand dollars; * * *"

Magazine, Craney Island, removal. For "magazine, Craney Island: Removal of magazine at Craney Island, in the harbor of Norfolk, to a more suitable and safe locality, * * *"

For "naval proving ground: Buildings for magazine for high explosives, and filling house; sewerage, extension of railroad track, water supply, and so forth, * * *"

BUREAU OF YARDS AND DOCKS.

* * * * *

PUBLIC WORKS—BUREAU OF YARDS AND DOCKS, NAVY-YARDS AND STATIONS, NAVAL ACADEMY, AND NEW NAVAL OBSERVATORY.

Boston. NAVY-YARD, BOSTON, MASSACHUSETTS: To complete the electric plant at the Boston Navy-Yard, including United States steamer Wabash, one thousand five hundred dollars.

Brooklyn. NAVY-YARD, BROOKLYN, NEW YORK: For pumping plant for granite dock, forty thousand dollars; grading, paving, sidewalks, and sewers, ten thousand dollars; rebuilding construction and repair shipwright shed numbered forty-four, six thousand five hundred and thirty-four dollars; putting equipment paint shop in good condition, three thousand five hundred and seventy-five dollars; dredging, fifty-five thousand dollars; quay wall in Whitney basin (total estimated cost, one hundred and eleven thousand eight hundred and fifty-five dollars), twenty-five thousand dollars; heating apparatus for equipment rigging loft, one thousand two hundred and eighty-six dollars; extension of railroad system, ten thousand dollars; in all, one hundred and fifty-one thousand three hundred and ninety-five dollars.

League Island. NAVY-YARD, LEAGUE ISLAND, PENNSYLVANIA: For continuation of the sea wall, twenty thousand dollars;

dredging, ten thousand dollars; artesian wells, nine thousand dollars; sidewalks, three thousand five hundred dollars; one deck scow, two thousand dollars; for the construction of one steam tug, twenty-five thousand dollars; in all, sixty-nine thousand five hundred dollars.

NAVY-YARD, WASHINGTON, DISTRICT OF COLUMBIA: For extension of quay wall, four thousand five hundred and sixty-nine dollars; extension of railroad track to store numbered two, three thousand two hundred and fifty dollars; roundhouse for yard locomotive and wrecking car, four thousand five hundred dollars; extension of electric-light plant, five thousand dollars; hydrants to conform to city standard, one thousand five hundred and sixty dollars; new iron roof for foundry, thirty-three thousand dollars; in all, fifty-one thousand eight hundred and seventy-nine dollars.

Washington.

NAVY-YARD, NORFOLK, VIRGINIA: For extension of quay wall, twenty thousand dollars; sand lighter, two thousand dollars; derrick car, one thousand dollars; repairs to granite dock, fifteen thousand dollars; one deck scow, two thousand dollars; dredging in front of the navy-yard dock, six thousand and twelve dollars; the Secretary of the Navy is hereby authorized to exchange such of the land at the navy-yard, Norfolk, Virginia, being a part of a tract known as Saint Helena, (on the east side of the Elizabeth River) which the Government does not need, for a part of the adjoining tract, known as "Cedar Grove," and now belonging to private parties, upon such terms as may be determined upon by a board of officers, accepted by the present owners of Cedar Grove, and approved by them, as may in his opinion serve the best interests of the Government; in all, forty-six thousand and twelve dollars.

Norfolk.

NAVAL STATION, PORT ROYAL, SOUTH CAROLINA: For roadways, five thousand five hundred and seventy-two dollars; grading and drainage, six thousand dollars; extension of hydrant system, one thousand three hundred and eighty-five dollars; boundary fence, one thousand two hundred dollars; construction and repair shop, sixty thousand dollars; storage cisterns, three thousand seven hundred and fifty-eight dollars; in all, seventy-seven thousand nine hundred and fifteen dollars.

Port Royal.

NAVY-YARD, MARE ISLAND, CALIFORNIA: For the construction of a steam tug at Mare Island Navy-yard, California, for the use of said yard, in addition to the sum of fifty thousand dollars authorized by the Act of July twenty-sixth, eighteen hundred and ninety-four, thirty thousand dollars;

Mare Island.

Extension of quay wall toward coal shed (estimated cost, eighty-eight thousand three hundred and six dollars), ten thousand dollars; enlarging entrance to stone dry dock, twenty thousand seven hundred and thirty-six

dollars; new caisson for stone dry dock, fifty-three thousand dollars; dredging, ten thousand dollars; three steam capstans for dry dock, five thousand nine hundred and seventy-one dollars, to be immediately available; railroad scales, one thousand six hundred and forty dollars; improvement of coppersmith shop, steam engineering, four thousand five hundred and twenty-seven dollars; yard roads, five thousand dollars; in all, one hundred and ten thousand eight hundred and seventy-four dollars.

Dry dock,
Puget sound.

DRY DOCK, PUGET SOUND NAVAL STATION, WASHINGTON: For continuation of dry dock, dredging, office building, and officers' quarters, to be made immediately available, two hundred and sixty thousand dollars; in all, two hundred and sixty thousand dollars.

Key West.

NAVAL STATION, KEY WEST, FLORIDA: For purchase of additional lot for coal shed (twenty thousand dollars, or so much as may be necessary), twenty thousand dollars; coaling pier, forty thousand dollars; in all, sixty thousand dollars.

Naval Academy,
water front at.

FOR BUILDINGS AND GROUNDS, NAVAL ACADEMY: For continuing the grading and improvement of the property condemned under Act making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and ninety, and the adjacent ground, and for the improvement of the water front of the Academy, to be immediately available, ten thousand dollars.

Naval Observatory.

FOR GROUNDS AND ROADS: For continuing grading, extending roads and paths, clearing and improving grounds of New Naval Observatory, and filling ravine contiguous to boiler house to Massachusetts avenue extended, twelve thousand dollars;

NEW BUILDINGS: For quarters for observers, two buildings, at five thousand dollars each, ten thousand dollars;

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BUREAU OF MEDICINE AND SURGERY.

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Burial of apprentice.

CONTINGENT, BUREAU OF MEDICINE AND SURGERY: * * * For "the expense of disinterring, transportation, and burial at his late home in Cherokee, Iowa, of the remains of W. A. Lathrop, an apprentice, who died in the service of the United States steamer Concord, at Wuhu, China; * * *."

Ambulances.

AMBULANCES FOR NAVAL HOSPITAL: For supplying three naval hospitals with ambulances of modern construction to replace vehicles condemned as useless, one thousand eight hundred dollars.

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BUREAU OF STEAM ENGINEERING.

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Chicago.

For "steam machinery (special): To continue work on new machinery to replace present engines, boilers, and so

forth, of United States steamship Chicago, two hundred thousand dollars."

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NAVAL ACADEMY.

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That the Secretary of the Navy shall have power to convene general courts-martial for the trial of naval cadets, subject to the same limitations and conditions now existing as to other general courts-martial, and to approve the proceedings and execute the sentences of such courts, except the sentences of suspension and dismissal, which, after having been approved by the Superintendent, shall not be carried into effect until confirmed by the President: *Provided*, That every Representative or Delegate in Congress whose district or Territory is not now represented at the Naval Academy for any cause by a cadet shall be permitted and authorized to recommend a candidate for appointment as a cadet at the Naval Academy of the United States, said recommendation to be made on or before the fourth day of March, eighteen hundred and ninety-five, subject to the qualifications now prescribed by law. Nothing herein contained shall be construed to increase the number of cadets at said Naval Academy as now provided by law.

Cadets, court-martial of.

Appointment of.

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INCREASE OF THE NAVY.

That for the purpose of further increasing the naval establishment of the United States the President is hereby authorized to have constructed by contract two seagoing coast-line battle ships designed to carry the heaviest armor and most powerful ordnance upon a displacement of about ten thousand tons, to have the highest practicable speed for vessels of their class, and to cost, exclusive of armament, not exceeding four million dollars each; and six light-draft composite gunboats of about one thousand tons displacement, to be fixed by the Secretary of the Navy, and no one of which shall cost more than two hundred and thirty thousand dollars, or in all for said six gunboats, one million three hundred and eighty thousand dollars, exclusive of armament, and not more than two of said gunboats shall be built in one yard, or by one contracting party, and in each case the contract shall be awarded by the Secretary of the Navy to the lowest best responsible bidder; and three torpedo boats, at a cost of not exceeding one hundred and seventy-five thousand dollars each; and, subject to the provisions hereinafter made, one seagoing battle ship and one of said torpedo boats shall be built on or near the coast of the Pacific Ocean,

Two battle-ships.

Six gunboats.

Three torpedo boats.

or in the waters connecting therewith, and one torpedo boat on the Mississippi River, and one torpedo boat on the coast of the Gulf of Mexico; and in the construction of all said vessels all of the provisions of the act of August third, eighteen hundred and eighty-six, entitled "An act to increase the naval establishment," as to materials for said vessels, their engines, boilers, and machinery, the contracts under which they are built, except as to premiums, which are not to be offered, the notice of any proposals for the same, the plans, drawings, and specifications therefor, and the method of executing said contracts, shall be observed and followed, and said vessels shall be built in compliance with the terms of said act, save that in all their parts said vessels shall be of domestic manufacture: *Provided*, That if it shall appear to the satisfaction of the President of the United States, from the biddings for the contracts for either of said torpedo boats, and for one of the foregoing battle ships to be built on the Pacific Coast, when the same shall be opened and examined by him, that the said torpedo boats or battle ships can not be constructed at a fair cost at the places fixed in the proposals and biddings, he may authorize the construction of said torpedo boats, or any of them, or the battle ship the biddings for which provide for building upon the Pacific Coast, elsewhere in the United States, subject to the limitations as to cost hereinbefore provided; and any of the ships, gunboats, and torpedo boats provided for in this act may be constructed of steel or other metal, or of alloy, except where it is otherwise provided in this act, and one of said battle ships shall be named Kearsarge.

Battle ship
to be named
Kearsarge.

Armor and
armament.

ARMOR AND ARMAMENT: Toward the armament and armor of domestic manufacture for the vessels authorized by the act of August third, eighteen hundred and eighty-six; of the vessels authorized by the act approved March second, eighteen hundred and eighty-nine; of those authorized by the act of June thirtieth, eighteen hundred and ninety; of the one authorized by the act of March second, eighteen hundred and ninety-one; of those authorized by the act of July nineteenth, eighteen hundred and ninety-two; and of the vessels authorized by the act of March third, eighteen hundred and ninety-three; and of the three torpedo boats, act of July twenty-sixth, eighteen hundred and ninety-four, and of the vessels authorized under this act, four million eight hundred and thirty-seven thousand six hundred and seventy dollars, of which sum two million dollars is to be made immediately available.

Construction
and machinery.

CONSTRUCTION AND STEAM MACHINERY: On account of the hulls and outfits of vessels and steam machinery of vessels heretofore and herein authorized, eight million three hundred and forty-two thousand four hundred and

twenty-two dollars, of which sum two million dollars is to be made immediately available.

EQUIPMENT: Toward the completion of the equipment outfit of the new vessels heretofore authorized by Congress, one hundred and twenty-five thousand dollars. To pay the contractors for the construction of the machinery of the United States steamship Maine for earned premium over and above the contract horse power, twenty-two thousand four hundred and twenty-nine dollars and thirty cents, this amount being due under contract of April third, eighteen hundred and eighty-nine, and authorized by act of Congress August third, eighteen hundred and eighty-six.

Vessels authorized, completion of.

That the Secretary of the Navy is hereby authorized and required to remit to N. F. Palmer, junior, and Company, of New York City, the time penalties exacted by the Navy Department under the contracts with said company for the construction of gunboat numbered three, known as the Concord, and gunboat numbered four, known as the Bennington, the United States having suffered no damage by the delay in the construction of the said gunboats.

Penalties remitted on Concord and Bennington.

The Secretary of the Navy is hereby authorized and directed to audit and adjust the claim of Richmond Locomotive and Machine Works, of Richmond, Virginia, against the Government of the United States, for damages and losses sustained by the said Richmond Locomotive and Machine Works in the execution of the contract to construct and deliver the machinery required for the United States battle ship Texas, caused by the delays of the Government of the United States in the construction of the hull of said battle ship Texas, and to report to Congress at its next session what amount may be due to said Richmond Locomotive and Machine Works.

Richmond Locomotive & Machine Works, claim of.

The Secretary of the Navy is hereby authorized and required to remit the time penalties on the Yorktown, Baltimore, Philadelphia, and Newark, and forty thousand three hundred and fifty dollars is hereby appropriated for this purpose.

Penalties remitted on Yorktown, Baltimore, Philadelphia, and Newark.

To pay to the parties who may be found entitled to receive the same any balance that may be due and unpaid on account of the purchase money of the steamers De Soto and Bienville, purchased by the United States from the New York and New Orleans Steamship Company, by authority of an Act of Congress approved July eighteenth, eighteen hundred and sixty-one, forty-one thousand seven hundred and one dollars and ninety-five cents.

De Soto and Bienville, purchase of.

COLUMBIAN MUSEUM, CHICAGO, ILLINOIS.

That the Secretary of the Navy be, and he hereby is, authorized to transfer to the trustees of the Columbian Museum of Chicago the reproductions of the caravals

Caravals, transfer of.

of Columbus, the Santa Maria, Nina, and Pinta, which were exhibited at the World's Columbian Exposition.

Regulation of
steam vessels.

An Act entitled "An Act to amend 'An Act to amend section forty-four hundred of title fifty-two of the Revised Statutes of the United States, concerning the regulation of steam vessels,' approved August seventh, eighteen hundred and eighty-two; and also to amend section forty-four hundred and fourteen, title fifty-two, of the Revised Statutes, 'Regulation of steam vessels,'" approved March first, eighteen hundred and ninety-five, is hereby amended by striking therefrom the words "Jacksonville, Florida; Bangor, Maine; and New Haven, Connecticut;" where said words occur in the ninth paragraph of the second section thereof, following the word "Illinois" and inserting the same in the second paragraph of section two of said act after the word "Illinois."

Approved, March 2, 1895.

FIFTY-FOURTH CONGRESS, FIRST SESSION—JUNE 10, 1896.

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and ninety-seven, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

PAY OF THE NAVY.

It is "*Provided*, That the Secretary of the Navy be, and he is hereby, authorized to permit officers of the Navy and the Marine Corps to make allotments from their pay, under such regulations as he may prescribe, for the support of their families or relatives, for their own savings, or for other proper purposes, during such time as they may be absent at sea, on distant duty, or under other circumstances warranting such action: *Provided further*, That all officers who have been or may be appointed to any corps of the Navy or to the Marine Corps after service in a different corps of the Navy or of the Marine Corps shall have all the benefits of their previous service in the same manner as if said appointments were a reentry into the Navy or into the Marine Corps: *Provided further*, That such surgeons in the Navy not in line of promotion as may have been appointed to that position in accordance with a special act of Congress for meritorious services during yellow fever epidemics shall have all the benefits of their previous service in the same manner as if said appointments were a reentry into the Navy: *And provided further*, That hereafter no payment shall be made from appropriations made by Congress to any officer in the Navy or Marine Corps on the active or retired list while such officer is employed, after June thirtieth, eighteen hundred and ninety-seven, by any person or company furnishing naval supplies or war material to the Government; and such employment is hereby made unlawful after said date."

Allotments of pay.

Benefits of previous service.

Outside employment of officers.

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BUREAU OF NAVIGATION.

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NAVAL TRAINING STATION, COASTERS HARBOR ISLAND, RHODE ISLAND (FOR APPRENTICES): * * * ; Coasters Island.

For "purchase of fresh water * * * ; and installing water supply from city waterworks, * * * ."

"NAVAL WAR COLLEGE AND TORPEDO SCHOOL ON COASTERS HARBOR ISLAND, RHODE ISLAND: * * * ."

"For the proper preservation, cementing, and reinforcing cellar walls; repairing window casings, floors,

*

and door casings; a water tank in attic for use in case of fire, and a rain-water cistern and pumps, * * *.”

BUREAU OF ORDNANCE.

ORDNANCE AND ORDNANCE STORES: * * *.

For “maintenance of new proving ground, * * *.”

Reserve supply of guns for ships of the Navy.

For “reserve supply of projectiles for ships of the Navy, * * *.”

“Additional supply of torpedoes, * * *.”

“For testing methods of throwing high explosives from guns on board ship with the ordinary velocities, * * *.”

Guns for auxiliary cruisers.

“RESERVE GUNS FOR AUXILIARY CRUISERS: Toward the armament of modern guns for auxiliary cruisers mentioned in the act approved March third, eighteen hundred and ninety-one, and in section four of the act approved May tenth, eighteen hundred and ninety-two, four hundred thousand dollars: *Provided*, That the Secretary of the Navy may, in his discretion, purchase by contract all or any part of such guns.

Gun factory.

“GUN PLANT, NAVY-YARD, WASHINGTON, DISTRICT OF COLUMBIA: For cupolas and blowers, traveling crane and runways, swing cranes, blower engines, and iron elevators, and for installing and connecting the same in the brass and iron foundry, fifty thousand dollars.

Naval magazines, Fort Mifflin, Dover.

“NAVAL MAGAZINE, FORT MIFFLIN, PENNSYLVANIA: For construction of new brick or stone buildings in place of the present wooden ones, fifty thousand dollars.

“NAVAL MAGAZINE, DOVER, NEW JERSEY: For introduction of water supply for the new naval magazine at Dover, New Jersey, fifteen thousand dollars, which sum shall be immediately available.

Newport.

“TORPEDO STATION, NEWPORT, RHODE ISLAND. * * *.”

For “extending sea wall, * * *.”

Naval Militia, clerk to.

“ARMING AND EQUIPPING NAVAL MILITIA: * * *.”

Provided, “The Secretary of the Navy shall detail a clerk of class one to perform clerical services in the Navy Department necessary to carry on the work incident to this appropriation.”

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BUREAU OF YARDS AND DOCKS.

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PUBLIC WORKS—BUREAU OF YARDS AND DOCKS, NAVY-YARDS AND STATIONS, NAVAL ACADEMY, AND NEW NAVAL OBSERVATORY.

Boston.

NAVY-YARD, BOSTON, MASSACHUSETTS: For cart shed (alteration of building numbered fifty-six), four thousand five hundred dollars.

Two boilers for electric-light plant, four thousand five hundred dollars; in all, nine thousand dollars.

NAVY-YARD, BROOKLYN, NEW YORK: For wing and quay walls of dry dock numbered three, to be immediately available, sixty thousand dollars; grading, paving, sidewalks, and sewers, ten thousand dollars; quay wall for coal dock, forty thousand dollars; quay wall, Whitney Basin, twenty-five thousand dollars; in all, one hundred and thirty-five thousand dollars.

Brooklyn.

NAVY-YARD, LEAGUE ISLAND, PENNSYLVANIA: For dredging and filling in, thirty thousand dollars; water-closets for yard, five thousand five hundred and eighty dollars; lightning rods and sidewalks, two thousand dollars; in all, thirty-seven thousand five hundred and eighty dollars.

League Island.

NAVY-YARD, WASHINGTON, DISTRICT OF COLUMBIA: For roof trusses and roof for entire quadrangle building, fifty-nine thousand four hundred and eleven dollars and seventy-seven cents; alterations of north end of west side quadrangle building, to be made immediately available, fifteen thousand six hundred and fifty-seven dollars and forty-four cents; building sentry boxes at east gate and south end, one hundred dollars; building for paint shop and inflammable material, two thousand five hundred dollars; in all, seventy-seven thousand six hundred and sixty-nine dollars and twenty-one cents.

Washington.

NAVY-YARD, NORFOLK, VIRGINIA: For extension of quay wall (continuation of), fifteen thousand dollars; boiler for electric plant (including shed and connections), nine thousand dollars; quay wall north end of timber basin, twenty thousand dollars; in all, forty-four thousand dollars.

Norfolk.

NAVAL STATION, PORT ROYAL, SOUTH CAROLINA: For chemical fire engine, six hundred and fifty dollars; lighting conductors, five hundred and thirty-two dollars; artesian well, fifteen thousand dollars; dredging channel opposite station, one hundred and fifty thousand dollars; steel tower and tank, four thousand dollars; storehouse, ten thousand dollars; purchase of land adjoining the naval station, five thousand dollars; in all, one hundred and eighty-five thousand one hundred and eighty-two dollars.

Port Royal.

NAVAL STATION, KEY WEST, FLORIDA: For sea wall, three thousand four hundred dollars; dredging, three thousand dollars; in all, six thousand four hundred dollars.

Key West.

NAVY-YARD, MARE ISLAND, CALIFORNIA: For extension of quay wall, thirty thousand dollars; guard chains about stone dry dock, one thousand four hundred and seventy dollars and fifty-seven cents; grading and paving, ten thousand dollars; removing board sidewalks and extending roads, fifteen thousand six hundred and eighty-five dollars; ship fitters' shed, thirty thousand dollars; storage shed for construction and repair, ten thousand one

Mare Island.

hundred and thirty-nine dollars; in all, ninety-seven thousand two hundred and ninety-four dollars and fifty-seven cents.

Dry dock,
Puget Sound.

DRY DOCK, PUGET SOUND NAVAL STATION, WASHINGTON: For construction and repair shops at dry dock, sixty thousand dollars; storehouse, twenty thousand dollars; two steel tanks, eleven thousand nine hundred and eighty dollars; water main, and purchase of land adjoining station containing a spring for water supply, four thousand dollars; clearing the grounds about the station, five thousand two hundred and fifty dollars; in all, one hundred and one thousand two hundred and thirty dollars.

Naval Acad-
emy.

FOR BUILDINGS AND GROUNDS, NAVAL ACADEMY: For two double houses for quarters for four officers and instructors, thirty thousand dollars, to be immediately available; two water-closets for cadet quarters, at two thousand five hundred dollars each, five thousand dollars, to be immediately available; in all, thirty-five thousand dollars.

Annapolis
streets, paving
of.

To pave Hanover street from Maryland avenue to Wagner street, Wagner street from Hanover street to King George street, and King George street from College avenue to College or Graveyard Creek, in the city of Annapolis, Maryland, eight thousand dollars, in addition to the sum of thirteen thousand dollars made by the naval appropriation act approved July twenty-sixth, eighteen hundred and ninety-four, which is hereby continued available for the same purpose.

That the Board of Visitors of the Naval Academy, when visiting said Academy in eighteen hundred and ninety-six, shall fully examine into and report to the Secretary of the Navy and to Congress, the availability and desirability of acquiring as an annex to the grounds of said Academy, so much of the property adjoining thereto in the city of Annapolis, as is situate between the north side of Hanover street, the east side of Governor street, the north side of King George street, and the west side of Holland street, and the probable cost thereof by purchase or by condemnation for public use.

Naval Ob-
servatory.

FOR GROUNDS AND ROADS: For continuing grading, extending roads and paths, clearing and improving grounds of new Naval Observatory, ten thousand dollars.

New buildings: For increase of appropriation (act of March second, eighteen hundred and ninety-five) "for quarters for observers, two buildings, at five thousand dollars each, ten thousand dollars," two thousand five hundred dollars.

Repairs to main building, one thousand eight hundred dollars, to be immediately available; in all, fourteen thousand three hundred dollars.

BUREAU OF MEDICINE AND SURGERY.

* * * * *
NAVAL HOSPITAL FUND: * * *

That brick material be allowed for construction of ward at naval hospital, Brooklyn, New York, authorized by act approved July twenty-sixth, eighteen hundred and ninety-four. Naval hospital, Brooklyn.

For construction of a similar additional ward to increase needed capacity of hospital, twenty-five thousand dollars, which sum shall be paid from that portion of the naval hospital fund accruing from the sale of naval hospital grounds to the city of Brooklyn, and placed to the credit of the naval hospital fund in pursuance of the provisions of the act approved July second, eighteen hundred and ninety.

* * * * *
AMBULANCES FOR NAVAL HOSPITALS: For supplying two naval hospitals with ambulances of modern construction to replace vehicles condemned as useless, one thousand two hundred dollars. Ambulances.

NAVAL CEMETERY, NAVY-YARD, MARE ISLAND, CALIFORNIA: Labor and material for widening of approaches, and repairing and painting all gates and fences; for making graveled roads and paths; building a wall at the foot of the upper terrace, properly grading the whole area, and planting appropriate shrubbery, one thousand dollars.

BUREAU OF SUPPLIES AND ACCOUNTS.

* * * * *
And the Secretary of the Navy is hereby authorized and directed to cause advertisement to be made for tobacco for the use of the Navy, as the needs of the service may require, in the manner prescribed by law for other supplies. Bidders shall submit with their proposals a sample of the tobacco which they propose to furnish, and the contract shall, in the discretion of the Department, be awarded to the bidder whose sample is found by a board of officers to be best adapted for use in the Navy. Tobacco, purchase of.

And the Secretary of the Treasury is hereby authorized and directed to cause the general account of advance to be charged with the sum of three hundred thousand dollars in addition to the sum of two hundred thousand dollars provided in the Act approved March third, eighteen hundred and ninety-three, making in all, five hundred thousand dollars, which amount shall be carried to the credit of the permanent naval supply fund, to be used under the direction of the Secretary of the Navy in the purchase of ordinary commercial supplies for the naval Naval Supply Fund increased.

service, and to be reimbursed from the proper naval appropriations, whenever the supplies purchased under said funds are issued for use.

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BUREAU OF CONSTRUCTION AND REPAIR.

CONSTRUCTION AND REPAIR OF VESSELS: * * *

Repair of
vessels.

For repairs and other work urgently required on the Miantonomah, Bennington, Baltimore, Petrel, Mohican, Ranger, Atlanta, Vesuvius; tugs Fortune and Standish; to strip the Pensacola and Swatara, ordered to be sold; for boats and steam cutters, docking and painting ships, supplies needed for navy-yards, stores and supplies for ships fitting out and in commission, and miscellaneous work authorized on vessels but deferred for lack of funds, three hundred and fifty thousand dollars additional, to be immediately available: *Provided*, That no part of this sum shall be applied to the repair of any wooden ship when the estimated cost of such repairs, to be appraised by a competent board of naval officers, shall exceed ten per centum of the estimated cost, appraised in like manner, of a new ship of the same size and like material.

Repairs to United States steamship Hartford: Repairs to the United States steamship Hartford, one hundred thousand dollars.

Steam tug, navy-yard, League Island, Pennsylvania: Completion of steam tug numbered five, for navy-yard, League Island, Pennsylvania, eight thousand dollars, to be immediately available.

Repairs to the United States steamship Chicago, two hundred and fifty thousand dollars.

Model tank,
Washington
yard.

For making plans, examining and preparing the ground, and other preliminary work toward the construction of a model tank, with all buildings and appliances, to be built upon the grounds of the navy yard at Washington, District of Columbia, under the Bureau of Construction and Repair of the Navy Department, which shall conduct therein the work of investigating and determining the most suitable and desirable shapes and forms to be adopted for United States naval vessels, seven thousand five hundred dollars: *Provided*, That upon the authorization of the Secretary of the Navy experiments may be made at this establishment for private shipbuilders, who shall defray the cost of material and of labor of per diem employees for such experiments: *And provided further*, That the results of such private experiments shall be regarded as confidential and shall not be divulged without the consent of the shipbuilder for whom they may be made.

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BUREAU OF STEAM ENGINEERING.

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 For new iron boiler tubes for the New York, Columbia, and Minneapolis; Boiler tubes.

* * * * *
STEAM MACHINERY (SPECIAL): To continue work on new machinery to replace present engines, boilers, and so forth, of United States steamship Chicago, one hundred and fifty thousand dollars; Chicago.

To replace present boilers of United States steamship Atlanta with new boilers, and for repairs to engines and machinery, one hundred thousand dollars, to be made immediately available; Atlanta.

To replace present boilers of United States steamship Dolphin with new boilers, sixty thousand dollars, to be made immediately available; Dolphin.

To commence new machinery to replace present engines, boilers, and so forth, of United States steamship Hartford, seventy-five thousand dollars; Hartford.

To complete new machinery for steam tug for League Island Navy-Yard, eight thousand dollars;

The Secretary of the Navy is hereby authorized to transfer to the Enterprise one of the two boilers of the Galena, now at the navy-yard at Portsmouth, New Hampshire: *Provided*, That all expenses incurred in the installation of such boiler in the Enterprise shall be borne by the State of Massachusetts; Enterprise.

* * * * *
 The Secretary of the Navy is hereby authorized and directed to examine claims against the Government which may be presented to him by contractors for the building of the hulls or machinery of naval vessels under contracts completed since January first, eighteen hundred and ninety-one, where it is alleged that such contractors have been subjected to loss and damage through delays in the work under said contracts which were not the fault of said contractors, but were due to the action of the Government, and to report to the next session of Congress the result of said investigation, and whether said claims are, in his opinion, subjects for the jurisdiction of the Court of Claims or for the action of Congress upon the same. Shipbuilders' claims to be examined.

NAVAL ACADEMY.

* * * * *
REPAIRS AND IMPROVEMENTS, NAVAL ACADEMY: * * *
 Provides for "continuing the grading and improvement of the property condemned under act making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and ninety, and the adjacent ground, and for the improvement of the water Annapolis, water-front improvements.

front of the Academy, to be immediately available, fifteen thousand dollars; necessary dredging along the river front of Naval Academy, to be immediately available, five thousand dollars; constructing main sewer and connections, fifteen thousand dollars; * * *.”

Portrait of
superintendent.

CONTINGENT, NAVAL ACADEMY: * * * For “one portrait of the fourteenth superintendent of the Naval Academy, one hundred dollars; one steam fire engine to replace one condemned by survey, four thousand dollars; for contingencies for the Superintendent of the Academy, one thousand dollars; * * *.”

MARINE CORPS.

PAY, MARINE CORPS: * * *

Additions to
Marine Corps.

Pay of ten sergeants, forty corporals, twelve drummers, twelve fifers, and four hundred and twenty-six privates, to be enlisted in accordance with the provisions of section fifteen hundred and ninety-six, Revised Statutes, seventy-four thousand five hundred and sixty dollars, to be immediately available.

* * * * *

Provisions.

PROVISIONS, MARINE CORPS: * * *

For five hundred noncommissioned officers, musicians, and privates, to be enlisted in accordance with the provisions of section fifteen hundred and ninety-six, Revised Statutes, thirty thousand six hundred and forty-two dollars and seventy-five cents, to be immediately available.

Clothing.

CLOTHING, MARINE CORPS: * * *

For five hundred noncommissioned officers, musicians, and privates, to be enlisted in accordance with the provisions of section fifteen hundred and ninety-six, Revised Statutes, seventeen thousand two hundred and fifty-five dollars, to be immediately available.

* * * * *

Transportation.

TRANSPORTATION AND RECRUITING, MARINE CORPS: * * * “*Provided*, That the provisions of the clause contained in the act of Congress approved March third, eighteen hundred and seventy-nine, authorizing the Secretary of the Treasury to make such entries upon the books of the Department as will carry to the credit of certain railroad companies named in said act amounts earned or to be earned by them during each fiscal year on account of transportation of the Army and transportation of the mails be, and the same are hereby, extended and made applicable to the transportation of the Navy and the Marine Corps.”

FOR REPAIRS OF BARRACKS: * * *

For alterations and repair of marine barrack and other public buildings, relaying walks and gas and water pipes at navy-yard, Mare Island, California, four thousand dollars.

For the erection of officers' quarters at Sitka, Alaska, two thousand five hundred dollars; for the erection of officers' quarters at Newport, Rhode Island, five thousand dollars; * * *

Officers' quarters.

HIRE OF QUARTERS, MARINE CORPS: Provides for quarters "for the leader of the Marine Band, * * *."

CONTINGENT, MARINE CORPS: * * *

For iron bedsteads, mattresses, mattress covers, pillows, clothing boxes, and other articles, for five hundred non-commissioned officers, musicians, and privates, to be enlisted in accordance with the provisions of section fifteen hundred and ninety-six, Revised Statutes, three thousand dollars, to be immediately available.

Supplies.

INCREASE OF THE NAVY.

That for the purpose of further increasing the naval establishment of the United States the President is hereby authorized to have constructed by contract three seagoing coast-line battle ships designed to carry the heaviest armor and most powerful ordnance upon a displacement of about eleven thousand tons, to have the highest practicable speed for vessels of their class, and to cost, exclusive of armament, not exceeding three million seven hundred and fifty thousand dollars each; and three torpedo boats, to have a maximum speed of not less than thirty knots, to cost in all not exceeding eight hundred thousand dollars; and not to exceed ten torpedo boats to cost in all not exceeding five hundred thousand dollars, and to have the highest practicable speed for vessels of their class; and not more than two of said battle ships and not more than three of said torpedo boats shall be built in one yard or by one contracting party, and in each case the contract shall be awarded by the Secretary of the Navy to the lowest best responsible bidder; and in the construction of all said vessels all of the provisions of the act of August third, eighteen hundred and eighty-six, entitled "An act to increase the naval establishment," as to materials for said vessels, their engines, boilers, and machinery, the contracts under which they are built, except as to premiums, which are not to be offered, the notice of any proposals for the same, the plans, drawings, and specifications therefor, and the method of executing said contracts, shall be observed and followed, and said vessels shall be built in compliance with the terms of said act, save that in all their parts said vessels shall be of domestic manufacture; and, subject to the provisions hereinafter made, one and not more than one seagoing battle ship and three of said torpedo boats shall be built on or near the coast of the Pacific Ocean or in the waters connecting therewith, provided that said battle ship or torpedo boats can be constructed at an additional cost not

Three battle-ships.

Three torpedo boats.

Not more than ten torpedo boats.

exceeding four per centum of the lowest accepted bid for the other battle ships or torpedo boats provided for in this act, and one torpedo boat on the Mississippi River, one torpedo boat on the coast of the Gulf of Mexico, and one torpedo boat on the Missouri River: *Provided*, That if it shall appear to the satisfaction of the President of the United States, from the biddings for such contracts when the same are opened and examined by him, that said vessels can not be constructed at a fair cost on or near the coast of the Pacific Ocean, on the Mississippi or Missouri River or the Gulf of Mexico, he shall authorize the construction of said vessels, or either of them, elsewhere in the United States, subject to the limitations as to cost hereinbefore provided: *Provided further*, That the contracts for the construction of the vessels herein provided for shall be made within one hundred and twenty days from the passage of this act: *And provided further*, That the Secretary of the Navy is hereby directed to examine into the actual cost of armor plate and the price of the same which should be equitably paid and shall report the result of his investigation to Congress at its next session at a date not later than January first, eighteen hundred and ninety-seven, and no contract for armor plate for the vessels authorized by this act shall be made till after such report is made to Congress for its action.

Armor plate,
investigation
into cost of.

Two Holland
submarines.

The Secretary of the Navy is hereby authorized to contract for the building of two submarine torpedo boats of the Holland type, at a cost not exceeding one hundred and seventy-five thousand dollars each; said boats to be constructed and delivered to the Navy Department within four months from the date of contract: *Provided*, That the Holland boat now being built for the Department shall be accepted by the Department as fulfilling all the requirements of the contract, and as being satisfactory to the Secretary of the Navy; but no action shall be taken therein until said Holland boat now being built for the Department shall have been fully tested to the satisfaction of the Secretary of the Navy, and thereupon accepted.

Construction
and machinery.

CONSTRUCTION AND MACHINERY: On account of the hulls and outfits of vessels and steam machinery of vessels heretofore authorized, and of the vessels authorized under this act, six million eight hundred and seventy thousand six hundred dollars.

Armor and
armament.

ARMOR AND ARMAMENT: Toward the armament and armor of domestic manufacture for the vessels authorized by the act of August third, eighteen hundred and eighty-six; of those authorized by the act of June thirtieth, eighteen hundred and ninety; of those authorized by the act of July nineteenth, eighteen hundred and ninety-two; and of the vessels authorized by the act of

March third, eighteen hundred and ninety-three; of the three torpedo boats, act of July twenty-sixth, eighteen hundred and ninety-four; of the vessels authorized under the act of March second, eighteen hundred and ninety-five, and of the vessels authorized under this act, four million three hundred and seventy-one thousand four hundred and fifty-four dollars.

EQUIPMENT: Toward the completion of the equipment outfit of the new vessels heretofore authorized by Congress, two hundred and thirty-seven thousand dollars.

Equipment.

SEC. 2. That the Secretary of the Navy is hereby directed to examine, through a board composed of line and staff officers, into the merits of any system presented for the propulsion of vessels by direct action against the water without the use of screws, in comparison with the steam engine and the propeller, and into the relative efficiency of the two methods as to displacement, waste of fuel, liability to accidents, and speed endurance, and also into the applicability and special advantages of the direct system in connection with torpedo boats and coast-defense vessels.

Propulsion of vessels, investigation into.

Approved, June 10, 1896.

114586°—S. Doc. 418, 65-3—8

FIFTY-FOURTH CONGRESS, SECOND SESSION—MARCH 3, 1897.

[PUBLIC—No. 128.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and ninety-eight, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

* * * * *

BUREAU OF NAVIGATION.

* * * * *

NAVAL WAR COLLEGE AND TORPEDO SCHOOL, COASTERS War college.
HARBOR ISLAND, RHODE ISLAND: * * *

A provision "to complete installation of standpipes for fire hose and connections; complete window-casing repairs; rain-water cisterns, pumps, and tanks; leveling grounds about college, sodding, * * *."

BUREAU OF ORDNANCE.

ORDNANCE AND ORDNANCE STORES: * * *

The Secretary of the Navy is hereby authorized and required to pay to the patentee the twenty-five thousand dollars appropriated in the "Act making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and ninety-six, and for other purposes," approved March second, eighteen hundred and ninety-five, said act providing "for the exclusive rights to and for ordnance appliances now in use on naval vessels and protected and covered by patent numbered five hundred and thirty-three thousand one hundred and seventy-one, said patent being embraced in a contract dated January twenty-eighth, eighteen hundred and ninety-three, and signed by the Secretary of the Navy and the patentee." Patents for ordnance appliances, pay for.

Modern battery for the Hartford, one hundred and fifty thousand dollars. Hartford, modern battery for.

Reserve supply of ammunition, five hundred thousand dollars. Reserve ammunition.

* * * * *

TORPEDO STATION, NEWPORT, RHODE ISLAND: * * * Newport.
For "enlarging boiler house, and two new boilers, * * *."

BUREAU OF EQUIPMENT.

* * * * *

FLAGS OF MARITIME NATIONS: The Secretary of the Navy is authorized to contract at once with a lithographic or color printing establishment having ample facilities Flags of maritime nations.

for the suitable and satisfactory execution thereof for the printing of a new edition, to consist of five thousand copies, of the book of "Flags of Maritime Nations," of which number one thousand copies shall be for use of the Navy Department and three hundred copies for the use of the Revenue-Cutter Service; and the remaining copies shall be delivered to the superintendent of public documents for distribution to the Senate and House of Representatives, one thousand two hundred copies to the Senate and two thousand five hundred copies to the House of Representatives.

BUREAU OF YARDS AND DOCKS.

Michigan, MAINTENANCE OF YARDS AND DOCKS: * * *. For wharf, etc., for. "rent of wharf and storehouse at Erie, Pennsylvania, for use and accommodation of United States steamer Michigan; * * *."

PUBLIC WORKS—BUREAU OF YARDS AND DOCKS, NAVY YARDS AND STATIONS, NAVAL ACADEMY, AND NEW NAVAL OBSERVATORY.

Boston. NAVY-YARD, BOSTON, MASSACHUSETTS: For swinging gates for dry dock, ten thousand dollars; additional culverts in caisson for filling dry dock, four thousand five hundred dollars; in all, fourteen thousand five hundred dollars.

Brooklyn. NAVY-YARD, BROOKLYN, NEW YORK: For quay wall, Whitney Basin, eighteen thousand dollars; dredging Wallabout Channel, thirty thousand dollars; quay wall, Wallabout Channel, ten thousand dollars; coal shed for dry dock, five thousand dollars; grading and sewerage between dry dock and Clinton avenue, ten thousand dollars; grading and paving streets, five thousand dollars; latrines, eighteen thousand dollars; addition to electric plant, twelve thousand dollars; flushing-culverts in causeway (to be immediately available), twenty-five thousand dollars: *Provided*, That the Secretary of the Navy, after further investigation, shall be satisfied that the proposed plan for improving the sanitary conditions will be practicable and expedient; in all, one hundred and thirty-three thousand dollars.

League Island. NAVY-YARD, LEAGUE ISLAND, PENNSYLVANIA: For new coping for dry dock, sixty-four thousand dollars; causeway across back channel (west wall), twenty thousand five hundred and forty-seven dollars; dredging freshwater basin and filling in, one hundred thousand dollars; new boiler house for steam engineering, three thousand seven hundred and ninety-five dollars; wharf crane, three thousand dollars; weighing scales, one thousand eight hundred and eighty dollars; in all, one hundred and ninety-three thousand two hundred and twenty-two dollars.

NAVY-YARD, WASHINGTON, DISTRICT OF COLUMBIA: For dredging in front of sea wall, three thousand eight hundred and sixty-one dollars; new scale house, one thousand two hundred and seventy-one dollars and eighty-two cents; in all, five thousand one hundred and thirty-two dollars and eighty-two cents. Washington.

NAVY-YARD, NORFOLK, VIRGINIA: For continuing extension of quay wall north of timber basin, ten thousand dollars; completing quay wall from timber basin to marine railway, ten thousand dollars; paving, grading, and sewers, five thousand dollars; piping and engine for fire service, fifteen thousand dollars; renewing deteriorated parts of wooden dry dock numbered two, twenty thousand dollars; dredging, thirty-five thousand dollars; rebuilding blacksmith shop, thirty-five thousand dollars; in all, one hundred and thirty thousand dollars. Norfolk.

NAVAL STATION, PORT ROYAL, SOUTH CAROLINA: For grading and drainage, seven thousand five hundred and seventy-nine dollars and twenty-five cents; railway track scales, five hundred dollars; storage cistern, three thousand seven hundred and fifty-seven dollars and eighty-eight cents; machinery to be placed in machine shop just completed, fifty thousand dollars; in all, sixty-one thousand eight hundred and thirty-seven dollars and thirteen cents. Port Royal.

NAVAL STATION, KEY WEST, FLORIDA: For sea wall from machine shop lot to extension of Eaton street, two thousand dollars; dredging along front of wharf and inside the L, three thousand dollars; new machine shop, thirty thousand dollars; in all, thirty-five thousand dollars. Key West.

NAVY-YARD, MARE ISLAND, CALIFORNIA: For extension of quay wall, thirty thousand dollars; grading and paving about the stone dry dock, ten thousand dollars; dredging, twenty thousand dollars; dredging a channel in Mare Island Strait to enable all classes of naval vessels to reach the navy-yard, one hundred and fifty thousand dollars; completing coppersmith's shop, steam engineering, three thousand dollars; storage shed north of building numbered fifty-five, three thousand seven hundred and eighty-five dollars; in all, two hundred and sixteen thousand seven hundred and eighty-five dollars. Mare Island.

PUGET SOUND NAVAL STATION, WASHINGTON: For continuing clearing, stumping, and grading station, ten thousand dollars; wharf, sixty thousand dollars; filling in marsh, five thousand dollars; extension of brick discharge culvert, five thousand one hundred and forty-three dollars and sixty-two cents; in all, eighty thousand one hundred and forty-three dollars and sixty-two cents. Puget Sound.

* * * * *

NAVAL ACADEMY: For buildings and grounds, Naval Academy: For extension to sick quarters for cadets rendered necessary in order that there may be an operating room, two thousand five hundred dollars. Naval Academy.

Naval Ob-
servatory. **NEW NAVAL OBSERVATORY:** For grounds and roads: For continuing grading, extending roads and paths, clearing and improving grounds of new Naval Observatory, five thousand dollars.

BUREAU OF MEDICINE AND SURGERY.

* * * * *
Hospital, Chelsea. **NAVAL HOSPITAL, CHELSEA, MASSACHUSETTS:** To enable the Secretary of the Navy to cause the removal of the brick wall in front of the United States naval hospital, on Broadway, in the city of Chelsea, Massachusetts, and to substitute in place thereof an iron fence, six thousand dollars, and one thousand dollars of this amount, or so much thereof as may be necessary, shall be used to repair the sea wall on the water front of said naval hospital.

Hospital, Port Royal. **NAVAL HOSPITAL, NAVAL STATION, PORT ROYAL, SOUTH CAROLINA:** For hospital at the naval station at Port Royal, South Carolina, four thousand dollars.

* * * * *
Naval cemetery, Brooklyn. **NAVAL CEMETERY AT NAVAL HOSPITAL, BROOKLYN, NEW YORK:** For labor and material for widening of approaches, and repairing and painting all gates and fences; for making graveled roads and paths; building walls where necessary, properly grading the whole area, and planting appropriate shrubbery, one thousand dollars.

BUREAU OF SUPPLIES AND ACCOUNTS.

* * * * *
Naval supply fund, increase of. **NAVAL SUPPLY FUND:** And the Secretary of the Treasury is hereby authorized and directed to cause the general account of advances to be charged with the sum of one million dollars, in addition to the sum of two hundred thousand dollars, provided in the Act approved March third, eighteen hundred and ninety-three, and the three hundred thousand dollars, provided in the Act approved June tenth, eighteen hundred and ninety-six, making in all one million five hundred thousand dollars, which amount shall be carried to the credit of the permanent naval supply fund, to be used under the direction of the Secretary of the Navy in the purchase of supplies for the naval service, and to be reimbursed from the proper naval appropriations, whenever the supplies purchased under said fund are issued for use.

BUREAU OF CONSTRUCTION AND REPAIR.

CONSTRUCTION AND REPAIR OF VESSELS: * * *: "Provided, That the balance of the appropriation under the act of July twenty-sixth, eighteen hundred and ninety-

four, 'for the repair of the United States ship Constitution, now lying at the Portsmouth Navy-Yard, in the State of New Hampshire, in order that it may be used as a training ship for the Naval Militia, eight thousand dollars,' or such part thereof as may be required, is hereby made immediately available for such work as may be necessary for the proper care and preservation of that historic vessel." Constitution.

Repairs to United States steamship Hartford: Completion of repairs to the United States steamship Hartford, seventy thousand dollars. Hartford.

Repairs to the United States steamship Chicago: Completion of repairs to the United States steamship Chicago, fifty thousand dollars. Chicago.

Steam tug for naval station, Port Royal, South Carolina: Construction of one steam tug for the use of the naval station, Port Royal, South Carolina, fifty thousand dollars. Tug for Port Royal.

Steam tug for naval station, Puget Sound, Washington: Construction of one steam tug for the use of the naval station, Puget Sound, Washington, fifty thousand dollars. Tug for Puget Sound.

Steel lighter for navy-yard, New York: Construction of one steel lighter for use of the Bureau of Supplies and Accounts at the navy-yard, New York, twenty thousand dollars. Steel lighter for New York.

Model tank, navy-yard, Washington, District of Columbia: Completion of the model tank, to be immediately available, ninety-two thousand five hundred dollars. Model tank, completion of.

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BUREAU OF STEAM ENGINEERING.

* * * * *

STEAM MACHINERY (SPECIAL): To complete new machinery and boilers, now building at New York Navy-Yard, for United States steamship Chicago, one hundred and seventy-five thousand dollars; Chicago.

To complete new machinery and boilers, now building at Mare Island Navy-Yard, for United States steamship Hartford, one hundred thousand dollars; Hartford.

The Secretary of the Navy is hereby authorized to transfer to the Enterprise the two boilers of the Galena, now at the navy-yard at Portsmouth, New Hampshire: *Provided*, That all expenses incurred in the installation of such boilers in the Enterprise shall be borne by the State of Massachusetts. Boilers, Enterprise.

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IMPROVEMENT OF PLANT, NAVY-YARD, MARE ISLAND, CALIFORNIA: For modern machine tools for boiler shop and machine shop, fifty thousand dollars. Machinery plant, Mare Island.

* * * * *

NAVAL ACADEMY.

Professors.
pay of. * * * PAY OF PROFESSORS AND OTHERS, NAVAL ACADEMY:

It is "*Provided*, That the proper pay officer of the Navy be, and is hereby, authorized to pay the professors at the Naval Academy, whose compensation was affected by the act making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and ninety-six, approved March second, eighteen hundred and ninety-five, at the rate of compensation fixed by that act from July first, eighteen hundred and ninety-six."

* * * * *

MARINE CORPS.

Marine bar-
racks. * * * * * For raising the marine barracks, Boston, Massachusetts, an additional story, three thousand one hundred dollars.

For the erection of officers' quarters at the marine barracks, naval station, Port Royal, South Carolina, two thousand five hundred dollars.

For alteration and repair of marine barracks and other public buildings, relaying walks and flagging at navy-yard, Brooklyn, New York, ten thousand dollars.

For the erection of a building for marine barracks, naval station, Port Orchard, Washington, ten thousand dollars.

For quarters for officers at naval station, Port Orchard, Washington, five thousand dollars.

For stumping, grading, and grubbing for a parade ground, naval station, Port Orchard, Washington, three thousand dollars.

* * * * *

INCREASE OF THE NAVY.

Three tor-
pedo boats. That for the purpose of further increasing the naval establishment of the United States, the President is hereby authorized to have constructed by contract not more than three torpedo boats, to have a speed of not less than thirty knots, to cost in all not exceeding eight hundred thousand dollars. And not more than two of said torpedo boats shall be built in one yard or by one contracting party, and in each case the contract shall be awarded by the Secretary of the Navy to the lowest best responsible bidder. And in the construction of said torpedo boats all the provisions of the act of August third, eighteen hundred and eighty-six, entitled "An act to increase the naval establishment," as to materials for said vessels, their engines, boilers, and machinery, the contracts under which they are built, except as to premiums,

which are not to be offered, the notice of proposals for the same, the plans, drawings, and specifications therefor, and the method of executing said contracts, shall be observed and followed, and said vessels shall be built in compliance with the terms of said act, and in all their parts shall be of domestic manufacture.

CONSTRUCTION AND MACHINERY: On account of the hulls and outfits of vessels and steam machinery of vessels heretofore authorized, and authorized under this act, six million four hundred and twenty-five thousand three hundred and fifty-nine dollars. Construction and machinery.

ARMOR AND ARMAMENT: Toward the armament and armor of domestic manufacture for the vessels authorized by the act of August third, eighteen hundred and eighty-six; of those authorized by the act of July nineteenth, eighteen hundred and ninety-two; of the vessels authorized by the act of March third, eighteen hundred and ninety-three; of the three torpedo boats, act of July twenty-sixth, eighteen hundred and ninety-four, and the torpedo boats authorized under this act; of the vessels authorized under the act of March second, eighteen hundred and ninety-five, of the vessels authorized by the act of June tenth, eighteen hundred and ninety-six, seven million two hundred and twenty thousand seven hundred and ninety-six dollars, to be immediately available: *Provided*, That the total cost of the armor, according to the plans and specifications already prepared, for the three battle ships authorized by the act of June tenth, eighteen hundred and ninety-six, shall not exceed two million four hundred and seven thousand five hundred dollars, exclusive of the cost of transportation, ballistic test plates, and tests, and no contract for armor plate shall be made at an average rate to exceed three hundred dollars per ton of two thousand two hundred and forty pounds: *And provided further*, That the Secretary of the Navy is authorized, in his discretion, to contract with either or all of the builders of the hulls and machinery of those vessels, or with any one or more bidders, for the furnishing of the entire amount of said armor at a cost not exceeding the aforesaid three hundred dollars per ton, if he shall deem it for the best interest of the Government. Armor and armament.

EQUIPMENT: Toward the completion of the outfit of the new vessels heretofore authorized by Congress, one hundred and sixty-two thousand six hundred and twenty-eight dollars, of which sum thirty thousand dollars to be immediately available. Armor, limit of cost of.

TRAINING VESSEL FOR NAVAL ACADEMY: For one composite vessel, propelled by steam and sail, to be used for the training of cadets at the Naval Academy, including outfit, two hundred and fifty thousand dollars. Equipment.

Approved, March 3, 1897. Training vessel, Naval Academy.

FIFTY-FIFTH CONGRESS, SECOND SESSION—MAY 4, 1898.

[PUBLIC—No. 76.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and ninety-nine, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

PAY OF THE NAVY.

It is provided "Whenever, within the next twelve months, an exigency may exist which, in the judgment of the President, renders their services necessary, he is hereby authorized to appoint from civil life and commission such officers of the line and staff, not above the rank or relative rank of commander, and warrant officers including warrant machinists, and such officers of the Marine Corps not above the rank of captain, to be appointed from the non-commissioned officers of the Corps and from civil life, as may be requisite: *Provided*, That such officers shall serve only during the continuance of the exigency under which their services are required in the existing war: *And provided further*, That such officers so appointed shall be assigned to duty with rank and pay of the grades established by existing law; and warrant machinists shall be paid at the rate of one thousand two hundred dollars per annum.

Officers from civil life, appointment of.

"To enable the Secretary of the Navy to enlist, at any time after the passage of this act, as many additional seamen, landsmen, and boys as he may deem necessary to man the ships of the Navy, or in use by the Navy, as a temporary force therefor during the existing war, and for pay of the same and of the temporary additional officers and warrant machinists hereinbefore authorized, eight million eight hundred and thirty thousand dollars, or so much thereof as may be necessary; and to enable the Secretary of the Navy to enlist, at any time after the passage of this act, the following additional force for the Marine Corps as a temporary force during the existing war, namely, not more than sixty gunnery sergeants with rank of first sergeants, not more than eighty corporals, and not more than one thousand five hundred privates, and for pay of the same, including the temporary additional officers hereinbefore authorized, and for provisions, clothing, fuel, military stores, transportation and recruiting, and for contingent expenses, on account of

Increased enlistment, a u-
thority for.

Marine Corps, increase in.

said additional force, five hundred and sixty-seven thousand nine hundred dollars, or so much thereof as may be necessary."

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BUREAU OF NAVIGATION.

* * * * *

Training station.

For Naval Training Station, Yerba Buena Island, California (for apprentices): "Toward the erection of buildings for the naval training station and for the construction of a wharf and bulkhead for approach to the same on Yerba Buena Island (Goat Island), California, fifty thousand dollars, said improvements to cost complete not more than one hundred thousand dollars."

* * * * *

NAVAL WAR COLLEGE AND TORPEDO SCHOOL, COASTERS HARBOR ISLAND, RHODE ISLAND: * * *

War College buildings, walls for.

To continue strengthening of walls already begun and to build partition walls through building, ten thousand dollars: *Provided*, That prior to the expenditure of any part of this appropriation for the repairs stated, the Secretary of the Navy shall cause a thorough examination of the present condition of the War College building by competent professional experts in architecture and building, who shall report to him their opinion of the adequacy of the original designs and of the fulfillment of the terms of the contract, and their recommendations as to the work necessary to insure the safety and usefulness of the building; and the necessary expense of such examination shall be paid out of this appropriation;

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BUREAU OF ORDNANCE.

ORDNANCE AND ORDNANCE STORES: * * *. For "watchmen at magazines; * * * for the maintenance of the proving ground, * * *.

Telephone line to Indian Head.

"For repairing and improving the telephone line connecting the Navy Department and Washington Navy-Yard with the naval proving ground at Indian Head, to be immediately available, * * *."

Gun factory.

Purchase and erection of new and improved machinery for the shops of the gun plant at the Washington Navy-Yard, thirty-six thousand dollars.

Shell.

Capping, filling, and fusing armor-piercing shell now on hand, forty-five thousand dollars.

Guns.

Conversion of ordinary six-inch guns to rapid fire, twenty-five thousand dollars.

Chicago.

Modern battery for the Chicago, fifty thousand dollars.

SMOKELESS POWDER: For the purchase and manufacture of smokeless powder, two hundred and fifty thousand dollars.

* * * * *

For smokeless-powder factory: "For the erection of buildings on Government ground for the manufacture of smokeless powder, with the necessary machinery and equipment, ninety-three thousand seven hundred and twenty-seven dollars." Powder factory.

* * * * *
 Torpedo Station, Newport, R. I.:
 * * * * *

For "enlarging storehouse, improvements and repairs to seaman gunners' quarters, and providing more adequate accommodations for the increasing number of torpedo boats sent to the station for outfits and torpedo work, ten thousand five hundred dollars; in all, torpedo station, ninety-seven thousand five hundred dollars." Miscellaneous improvements.

FITTING FORT LAFAYETTE AS MAGAZINE: For the necessary improvements and fittings at Fort Lafayette, New York Harbor, to render same suitable for the storage, handling, and distribution of ammunition for the naval service, fifteen thousand dollars; and the Secretary of the Navy is hereby authorized and directed to appoint a board of officers to ascertain whether a suitable site for a naval magazine can be obtained at or near the port of New York, and to make report thereon to the next session of Congress. Fort Lafayette.

NAVAL MAGAZINE, FORT MIFFLIN, PENNSYLVANIA: For additional magazine, fixed ammunition house, two gun-cotton houses, fire plant, tramway, two filling houses, remodeling old building for watchmen's quarters, cistern, converting old gunners' house into storehouse, lightning conductors, with the necessary fittings to same, at the naval magazine, Fort Mifflin, Pennsylvania, forty-five thousand dollars. Fort Mifflin.

RESERVE TORPEDOES AND APPLIANCES: Reserve torpedoes and torpedo appliances, two hundred and fifty thousand dollars. Torpedoes.

EXPERIMENTS WITH ARMOR-PIERCING PROJECTILES: For conducting experiments in firing armor-piercing projectiles charged with high explosives under service conditions from naval guns at high velocities, and for the purpose of determining whether the destructive effect of shells so charged is greater than that of similar shells charged with gunpowder, and whether they can be placed on board naval vessels on the same footing as shells loaded with gunpowder, twenty-five thousand dollars. Armor-piercing projectiles, experiments in.

* * * * *
 For arming and equipping Naval Militia: * * *
 "The Secretary of the Navy is hereby authorized and empowered to use any part of the share of moneys heretofore or herein appropriated for arming or equipping the Naval Militia forces of the State of Michigan in repairing the damage to the Yantic caused by a collision during Yantic, repairs.

her transportation from the Boston Navy-Yard to Michigan, as he, the Secretary, may deem proper and advisable.”

Assistant
Chief of Bu-
reau of Ord-
nance.

Provides “that a line officer of the Navy may be detailed temporarily as assistant to the Chief of the Bureau of Ordnance in the Navy Department, and that such officer during such detail shall receive the highest pay of his grade, and in the case of the death, resignation, absence, or sickness of the chief of the bureau shall, unless otherwise directed by the President, as provided by sections one and seventy-nine of the Revised Statutes, perform the duties of such chief until his successor is appointed or such absence or sickness shall cease, provided that, in case of the death, sickness, or absence on duty of the chief of the bureau and the assistant thereto, the chief clerk shall act as chief of the bureau.”

Statue of
David D. Por-
ter.

The Secretary of the Navy is hereby directed to report to Congress a suitable design for a statue of David D. Porter, to be erected in the city of Washington, and the reasonable cost thereof.

BUREAU OF EQUIPMENT.

EQUIPMENT OF VESSELS: * * * “Hydrographic Office shall hereafter be attached to and be a part of the Bureau of Equipment.

“For one steam water-boat for use at the Norfolk Navy-Yard, * * *”

Coal depots,
establishment
of.

DEPOTS FOR COAL: To enable the Secretary of the Navy to execute the provisions of section fifteen hundred and fifty-two of the Revised Statutes authorizing the Secretary of the Navy to establish, at such places as he may deem necessary, suitable depots of coal, and other fuel, for the supply of steamships of war, two hundred and fifty thousand dollars, or so much thereof as may be necessary.

Naval Home,
admission to.

NAVAL HOME, PHILADELPHIA, PENNSYLVANIA: * * * “Whenever any officer, seaman, or marine entitled to a pension is admitted to the Naval Home at Philadelphia, or to a naval hospital, his pension, while he remains there, shall be deducted from his accounts and paid to the Secretary of the Navy for the benefit of the fund from which such home or hospital, respectively, is maintained; and section forty-eight hundred and thirteen of the Revised Statutes of the United States is hereby amended accordingly.”

PUBLIC WORKS—BUREAU OF YARDS AND DOCKS, NAVY-YARDS AND STATIONS, NAVAL ACADEMY, AND NEW NAVAL OBSERVATORY.

NAVY-YARD, PORTSMOUTH, NEW HAMPSHIRE: Reappropriation of balance (six thousand three hundred and fifty dollars) of appropriation for coal pocket, act June nineteenth, eighteen hundred and ninety-two, for coal sheds, Seaveys Island, for storage of coal. Portsmouth.

NAVY-YARD, BOSTON, MASSACHUSETTS: For iron roof for Building Numbered Forty-two, fifteen thousand four hundred dollars. Boston.

NAVY-YARD, BROOKLYN, NEW YORK: For dredging Whitney Basin and Wallabout, to continue, fifty thousand dollars; quay wall between Dry Dock Numbered One and Main street, sixty thousand dollars; quay wall, coal dock, to complete, thirty thousand dollars; grading and sewerage between dry dock and Clinton avenue, to continue, ten thousand dollars; grading and paving causeway and roads around docks, twenty thousand dollars; storehouse for steel (for construction and repair), seventeen thousand five hundred dollars; oil and varnish storehouse (supplies and accounts), forty-six thousand three hundred dollars; paving streets, five thousand dollars; addition to electric-light system, fifteen thousand dollars; replacing storehouse (building numbered thirty-one), condemned as dangerous and removed, forty-nine thousand eight hundred and thirty-seven dollars; conversion of building numbered eight into two-story fire-proof storehouse for ordnance material, to be immediately available, twenty-four thousand five hundred dollars; in all, three hundred and twenty-eight thousand one hundred and thirty-seven dollars. Brooklyn.

NAVY-YARD, LEAGUE ISLAND, PENNSYLVANIA: Dredging and filling in, twenty thousand dollars; mooring cribs for vessels in reserve basin, fifty-six thousand dollars; extension of reserve basin, one hundred and twenty thousand dollars; continuation of west wall of causeway, twenty thousand dollars; for roads and walks to reserve basin and about the yard, five thousand dollars; workshop and boiler house for ordnance, sixty thousand dollars; steam generator for heating purposes and electric plant, five thousand five hundred dollars; in all, two hundred and eighty-six thousand five hundred dollars. League Island.

NAVY-YARD, WASHINGTON, DISTRICT OF COLUMBIA: For improvement of electric plant, sixteen thousand dollars; storehouse for guns (ordnance), thirty-five thousand dollars; new roof for south gun shop (ordnance), twenty-five thousand three hundred and forty-seven dollars; in all, seventy-six thousand three hundred and forty-seven dollars. Washington.

NAVY-YARD, NORFOLK, VIRGINIA: Toward enlargement of electric plant and concentration of steam, twenty thou- Norfolk.

sand dollars; extension of quay wall, thirty thousand dollars; ship fitter's shop, at new dry dock (construction and repair), forty thousand dollars; extending railroad tracks for traveling crane, thirteen thousand dollars; steel standpipe (two hundred and seventy thousand gallons), thirteen thousand dollars; grading and paving, to continue, ten thousand dollars; in all, one hundred and twenty-six thousand dollars.

The Secretary of the Navy is hereby authorized and directed to cause to be commenced, within three months after the passage of this act, and the Attorney-General is hereby directed to carry on, proceedings for the condemnation of the following tract of land for the use of the United States for the Norfolk Navy-Yard, for the purpose of constructing a wet dock, and for other purposes, namely, the tract of land known as the Cedar Grove property, containing fifty acres, with a water front of one thousand six hundred feet on the Elizabeth River, immediately opposite to the Gosport Navy-Yard, in the State of Virginia, under the act of Congress approved August first, eighteen hundred and eighty-eight, entitled "An act to authorize the condemnation of lands for sites of public buildings, and for other purposes," and other laws of the United States, so as to completely vest in the United States the title of said land. And all such proceedings shall be reported to Congress at its next session by the Secretary of the Navy.

Port Royal.

NAVAL STATION, PORT ROYAL, SOUTH CAROLINA: Quay wall, fifteen thousand dollars; repair shop (for steam engineering), fifty thousand dollars; dredging a channel from the outside to the naval station, one hundred thousand dollars; constructing a wharf adjoining the timber dry dock, seventy-five thousand dollars; one locomotive crane and truck for dry dock, seventy thousand dollars; electric light and power plant, twenty thousand dollars; increasing facilities for storage and handling of coal, twenty thousand dollars; for the payment of the amounts awarded to the owners of the several tracts of land at the naval station, Port Royal, South Carolina, recently condemned for the use of the United States, in addition to the amount heretofore appropriated for the purchase of land at that station, twenty thousand three hundred and twenty-five dollars and fifty cents; in all, three hundred and seventy thousand three hundred and twenty-five dollars and fifty cents, to be immediately available.

Mare Island.

NAVY-YARD, MARE ISLAND, CALIFORNIA: For storage shed for lumber (construction and repair), twenty-eight thousand dollars; coal cylinders, forty-three thousand dollars; extending quay wall, thirty thousand dollars; shelter roofs for boats, fourteen thousand three hundred dollars; plumbers', tanners', and paint shop (construction and repair), twenty-two thousand five hundred dol-

lars; bath house at United States receiving ship Independence, one thousand six hundred and twenty-one dollars; washhouse and drying room United States receiving ship Independence, three thousand dollars; wharf at United States receiving ship Independence, two thousand eight hundred dollars; extension of oil house, eight thousand six hundred dollars; sidewalks and roads, seven thousand dollars; extension of electric system, fifteen thousand dollars; tools for yards and docks shops, six thousand seven hundred and fifty dollars; in all, one hundred and eighty-two thousand five hundred and seventy-one dollars.

To enable the Secretary of the Navy to repair and reconstruct, where necessary, the buildings recently damaged by earthquake at the Mare Island Navy-Yard, California, three hundred and fifty thousand dollars, to be immediately available.

For tearing down and removing present naval hospital building and appendages recently destroyed by earthquake at navy-yard, Mare Island, California, and erecting a new naval hospital and appendages at that place, to be immediately available, one hundred thousand dollars.

PUGET SOUND NAVAL STATION, WASHINGTON: For electric-light plant, nine thousand eight hundred dollars; extension of water system, four thousand and seven dollars; steam capstans for dry dock, six thousand three hundred and twenty-five dollars; steam engineering shop and boiler house, fifty-six thousand dollars; continuing clearing, grading, and stumping, six thousand dollars; oil house, one thousand seven hundred dollars; dredging, twenty thousand dollars; establishing telegraphic communication, four thousand dollars; quay wall, twenty-five thousand dollars; in all, one hundred and thirty-two thousand eight hundred and thirty-two dollars.

Puget Sound.

HOUSING TORPEDO VESSELS: Hauling out and housing torpedo vessels at such navy-yard or station as may be selected, one hundred and fifty thousand dollars.

Torpedo vessels, berths for.

COALING WHARF AT JAPONSKI ISLAND, ALASKA: Coaling wharf, five thousand dollars.

Japonski Island.

* * * * *

Toward the construction of four timber dry docks, two hundred thousand dollars each; in all, eight hundred thousand dollars; said dry docks to be not less than seven hundred feet in length, and of other dimensions sufficient to meet the present and probable future requirements of the largest vessels of the Navy and auxiliary fleet. One of these docks to be located at the navy-yard, Portsmouth, New Hampshire, to cost, when completed, not exceeding eight hundred and twenty-five thousand dollars; one at the navy-yard, Boston, Massachusetts, to cost, when completed, not exceeding eight hundred and twenty-

Four timber dry docks.

five thousand dollars; one at the navy-yard, League Island, Pennsylvania, to cost, when completed, not exceeding eight hundred and twenty-five thousand dollars; and one at the navy-yard, Mare Island, California, to cost, when completed, not exceeding eight hundred and twenty-five thousand dollars; and the Secretary of the Navy is hereby authorized, in his discretion, to build one of said docks of granite or concrete faced with granite, and in such case the limit of the cost of said dock is increased two hundred thousand dollars.

Floating
dock, Algiers,
La.

Toward the construction of one steel floating dock of domestic manufacture which shall be a combined floating and graving dock, two hundred thousand dollars, said dock to be located at the naval reservation at Algiers, Louisiana, to be capable of lifting a vessel of fifteen thousand tons displacement, and twenty-seven feet draft of water, to cost, including moorings and wharf, eight hundred and fifty thousand dollars.

The Secretary of the Navy may employ, and pay out of the appropriations for dry docks herein authorized, such additional expert aids, draftsmen, writers, and copyists as may be necessary for the preparation of plans and specifications, to an amount not to exceed ten thousand dollars.

And the Secretary of the Navy be, and is hereby, authorized, under the limitations hereinbefore provided, to make contracts for the entire construction of said dry docks, and steel floating dock, and in each case the contract shall be awarded to the lowest best responsible bidder.

Board for
locating sites
for two dry
docks.

The Secretary of the Navy is hereby authorized and directed to appoint a board of naval officers to determine the desirability of locating and constructing a dry dock of sufficient capacity to take the largest naval ship in the harbor of Galveston or in the harbor of Sabine Pass, or the waters tributary thereto, Texas, and a dry dock of the same capacity in the waters of Chesapeake Bay above the mouth of the Potomac River; and to report such finding to the next session of the present Congress; and the sum of one thousand dollars, or so much thereof as may be necessary, is hereby appropriated to defray the expenses of said board.

Naval Ob-
servatory.

NAVAL OBSERVATORY: For grounds and roads: For continuing grading, extending roads and paths, clearing and improving grounds, five thousand dollars; building a conduit for underground service for wires, pipes, and so forth, five thousand dollars; in all, ten thousand dollars.

Building a double floor (under the movable floor), twenty-six inch equatorial dome, double doors at entrance to basement, and alterations to machinery, one thousand two hundred dollars.

BUREAU OF MEDICINE AND SURGERY.

* * * * *

For hospital for contagious diseases: "For hospital for contagious diseases at Newport, Rhode Island, six thousand five hundred dollars."

* * * * *

NAVAL CEMETERY, NAVAL HOSPITAL, NORFOLK, VIRGINIA: Naval cemetery, Norfolk.
 Labor and material for widening of approaches, and repairing and painting of all gates and fences; for making graveled roads and paths; building walls where necessary, properly grading the whole area, and planting appropriate shrubbery, one thousand dollars.

That section thirteen hundred and seventy of the Revised Statutes of the United States be, and the same is hereby, amended so as to read as follows:

"No person shall be appointed assistant surgeon until he has been examined and approved by a board of naval surgeons designated by the Secretary of the Navy, nor who is under twenty-one or over thirty years of age, inclusive." Assistant surgeons, appointment of.

The President is hereby authorized to appoint for temporary service twenty-five acting assistant surgeons, who shall have the relative rank and compensation of assistant surgeons. Temporary appointees.

BUREAU OF SUPPLIES AND ACCOUNTS.

* * * * *

For assistant paymasters: "The active list of assistant paymasters of the pay corps shall hereafter consist of twenty-five." Assistant paymasters, increase in number of.

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BUREAU OF CONSTRUCTION AND REPAIR.

CONSTRUCTION AND REPAIR OF VESSELS: * * * * *

For repairs to United States steamship Hartford: Hartford.
 "Completion of repairs to and outfit for the United States steamship Hartford, thirty thousand dollars."

Repairs to the United States steamship Chicago: Chicago.
 Completion of repairs to and outfit for the United States steamship Chicago, two hundred and twenty-five thousand dollars.

One coaling barge, eight hundred tons capacity, sixteen thousand dollars. Coaling barge.

Construction plant, navy-yard, Portsmouth, New Hampshire: Portsmouth.
 Repairs to and improvement of plant at navy-yard, Portsmouth, New Hampshire, fifty thousand dollars.

Construction plant, navy-yard, Boston, Massachusetts: Boston.
 Repairs to and improvement of plant at navy-yard, Boston, Massachusetts, fifty thousand dollars.

- New York.** Construction plant, navy-yard, New York, New York: Repairs to and improvement of plant at navy-yard, New York, New York, fifty thousand dollars.
- League Island.** Construction plant, navy-yard, League Island, Pennsylvania: Repairs to and improvement of plant at navy-yard, League Island, Pennsylvania, fifty thousand dollars.
- Norfolk.** Construction plant, navy-yard, Norfolk, Virginia: Repairs to and improvement of plant at navy-yard, Norfolk, Virginia, fifty thousand dollars.
- Mare Island.** Construction plant, navy-yard, Mare Island, California: Repairs to and improvement of plant at navy-yard, Mare Island, California, fifty thousand dollars.
- Puget Sound.** Construction plant, naval station, Puget Sound, Washington: Repairs to and improvement of plant at Puget Sound, Naval Station, Washington, twenty thousand dollars.

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BUREAU OF STEAM ENGINEERING.

* * * * *

- Machinery plants: Boston.** MACHINERY PLANT, NAVY-YARD, BOSTON, MASSACHUSETTS: Modern machine shop tools, fifteen thousand dollars.
- Norfolk.** MACHINERY PLANT, NAVY-YARD, NORFOLK, VIRGINIA: Additional tools required to put the yard in condition for building and repairing modern marine machinery, including improvements in handling machinery and in the boiler-making plant; new boilers for steam engineering shops, thirty-five thousand dollars.
- Key West.** MACHINERY PLANT, NAVAL STATION, KEY WEST, FLORIDA: For tools for machine shop, foundry, and boiler shop, thirty thousand dollars.
- Port Orchard.** MACHINERY PLANT, NAVAL STATION, PORT ORCHARD, WASHINGTON: Machine tools to fit out plant for repairs of engines, boilers, and so forth, of United States naval vessels, thirty thousand dollars.
- Port Royal.** MACHINERY PLANT, NAVAL STATION, PORT ROYAL, SOUTH CAROLINA: Machine tools to properly equip the plant for repairing engines, boilers, and so forth, of United States naval vessels, fifty thousand dollars.
- Liquid fuel, experiments with.** EXPERIMENTAL PURPOSES: Experiments with liquid fuel on steam tug, New York yard; experiments with liquid fuel on two torpedo boats, fifteen thousand dollars.

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NAVAL ACADEMY.

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- Fire and flushing system.** REPAIRS, NAVAL ACADEMY: * * * For new fire and flushing system and other sanitary purposes, fifteen thousand seven hundred and fifty dollars; relaying brick sidewalks adjacent to Naval Academy walls in streets of An-

napolis, three thousand five hundred dollars; repaving Maryland avenue within the Naval Academy, four thousand dollars; relaying sidewalk from Maryland avenue to cadet quarters, one thousand two hundred and eighty-two dollars; repairing Santee's wharf, two thousand five hundred dollars; necessary dredging and improvement of north water front, ten thousand dollars; * * *

The Secretary of the Navy is authorized to contract for the construction, at the Naval Academy, Annapolis, Maryland, of a building suitable for use as an armory, at a cost not to exceed three hundred thousand dollars; a boathouse, at a cost not to exceed three hundred thousand dollars; a power house, at a cost not to exceed one hundred thousand dollars; four double houses for officer's quarters, at a cost not to exceed sixty thousand dollars; for grading, electric-light wiring, removing old buildings, and preparing plans, at a cost not to exceed ninety thousand dollars; for constructing the line of sea wall, on the river side, piling, dredging, and filling in, as may be necessary, one hundred and fifty thousand dollars; and the sum of five hundred thousand dollars is hereby appropriated toward the construction of the public works herein authorized.

Armory, etc.

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MARINE CORPS.

* * * * *

For repair of barracks and officers' quarters at Mare Island Navy-Yard, California, damaged by earthquake, five thousand four hundred and twenty-five dollars, to be immediately available.

Repair of damage, Mare Island.

* * * * *

Repairs to marine barracks, Annapolis, Maryland, one thousand five hundred dollars.

* * * * *

To reimburse the enlisted men of the United States Marine Corps who incurred loss of clothing by the fire which occurred at the navy-yard, Washington, District of Columbia, on the twenty-second and twenty-ninth days of April, eighteen hundred and ninety-seven, fifty-one dollars and seventy-three cents: *Provided*, That the accounting officers of the Treasury shall in all cases require a schedule and certificate from each person making a claim under this act.

Reimbursement for loss of clothing.

* * * * *

INCREASE OF THE NAVY.

For the purpose of further increasing the naval establishment of the United States the President is hereby authorized to have constructed by contract three sea-going coast-line battle ships carrying the heaviest armor

Three battle-ships.

Maine.
 Four harbor-
 defense vessels,
 monitors.
 Sixteen tor-
 pedo-boat de-
 stroyers.
 Twelve tor-
 pedo boats.
 One gunboat.

and most powerful ordnance upon a displacement of about eleven thousand tons, to have the highest practicable speed for vessels of their class, and to cost, exclusive of armor and armament, not exceeding three million dollars each, one of said battle ships to be named the Maine; and four harbor-defense vessels of the monitor type, each having one or two turrets, and to cost, exclusive of armament, not exceeding one million two hundred and fifty thousand dollars each; and sixteen torpedo boat destroyers of about four hundred tons displacement, and twelve torpedo boats of about one hundred and fifty tons displacement, to have the highest practicable speed, and to cost in all, exclusive of armament, not exceeding six million nine hundred thousand dollars; and one gunboat to take the place of the United States steamship Michigan, to cost, exclusive of armament, not more than two hundred and sixty thousand dollars, said gunboat to be constructed on the Great Lakes or their connecting waters: *Provided*, That said construction of said gunboat shall conform to all existing treaties and conventions. And not more than two of said battle ships, and not more than two of said harbor-defense vessels, and not more than five of said torpedo-boat destroyers, and not more than four of said torpedo boats shall be built in one yard or by one contracting party, and the contracts for the construction of each of said vessels shall be awarded by the Secretary of the Navy to the lowest best responsible bidder, having in view the best results and most expeditious delivery; and in the construction of all said vessels all of the provisions of the act of August third, eighteen hundred and eighty-six, entitled "An act to increase the naval establishment," and amendments subsequently made thereto as to materials for said vessels, their engines, boilers, and machinery, the contracts under which they are built, except as to premiums, which are not to be offered, the notice of any proposals for the same, the plans, drawings, and specifications therefor, and the method of executing said contracts, shall be observed and followed, and said vessels shall be built in compliance with the terms of said act, save that in all their parts said vessels shall be of domestic manufacture except that no proposal for the torpedo vessels shall be considered unless the bidder is already in possession of adequate plant, and that the advertisement relating to the proposals for such vessels may be published for three weeks only; and, subject to the provisions hereinafter made, one and not more than one of the aforesaid sea-going battle ships, and one and not more than one of the aforesaid harbor-defense vessels, shall be built on or near the coast of the Pacific Ocean or in the waters connecting therewith: *Provided*, That if it shall appear to the satisfaction of the President of the United States, from the biddings for such contracts when the same are opened and

Where to be
 constructed.

examined by him, said vessel, or either of them, can not be constructed on or near the coast of the Pacific Ocean at a cost not exceeding four per centum above the lowest accepted bid for the other battle ships or harbor-defense vessels provided for in this act, he shall authorize the construction of said vessel, or either of them, elsewhere in the United States, subject to the limitations as to cost hereinbefore provided.

CONSTRUCTION AND MACHINERY: On account of the hulls and outfits of vessels and steam machinery of vessels heretofore and herein authorized, thirteen million six hundred and forty-eight thousand four hundred and seventy-three dollars: *Provided*, That section two of the act entitled "An act to increase the naval establishment," approved August third, eighteen hundred and eighty-six, be, and the same is hereby, amended so as to read as follows:

Construction and machinery.

"SEC. 2. That in the construction of all naval vessels the steel material shall be of domestic manufacture, and of the quality and characteristic best adapted to the various purposes for which it may be used, in accordance with specifications approved by the Secretary of the Navy."

ARMOR AND ARMAMENT: Toward the armament and armor of domestic manufacture for the vessels authorized by the act of July twenty-sixth, eighteen hundred and ninety-four, of the vessels authorized under the act of March second, eighteen hundred and ninety-five, of those authorized by the act of June tenth, eighteen hundred and ninety-six, of the three torpedo boats authorized by the act of March third, eighteen hundred and ninety-seven, and of those authorized by this act, including the completion of ordnance outfit for the four harbor-defense vessels, the sixteen torpedo-boat destroyers, and twelve torpedo boats named herein, seven million one hundred and sixty-two thousand eight hundred dollars: *Provided*, That the total cost of the armor according to the plans and specifications already prepared, for the three battle ships authorized by the act of June tenth, eighteen hundred and ninety-six, shall not exceed three million two hundred and ten thousand dollars, including all cost of nickel in the same, and exclusive of the cost of transportation, ballistic test plates, and tests, and royalty for steel face-hardening process, not to exceed one-half cent per pound, and which can not be made use of without the payment of royalty, and no contract for armor plate shall be made at an average rate to exceed four hundred dollars per ton of two thousand two hundred and forty pounds, including nickel as aforesaid. That hereafter all first-class battle ships and monitors owned by the United States shall be named for the States, and shall not be named for any city, place, or person until the names of the States, shall have been exhausted:

Armor and armament.

Limit of cost.

Names of vessels.

*

Provided, That nothing herein contained shall be so construed as to interfere with the names of States already assigned to any such battle ship or monitor.

Equipment.

EQUIPMENT: Toward the completion of the equipment outfit of the new vessels heretofore and herein authorized, three hundred and seventy-five thousand dollars.

For the installation of electric plants in gunboats numbered ten, eleven, twelve, and thirteen, forty thousand dollars.

Funds immediately available.

It is further provided that whenever in the judgment of the President, the public interests may require he is authorized and empowered to make any or all the provisions and appropriations of this act immediately operative and available.

Approved, May 4, 1898.

FIFTY-FIFTH CONGRESS, THIRD SESSION—MARCH 3, 1899.

[PUBLIC—No. 185.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

PAY OF THE NAVY.

For * * * “including the Admiral of the Navy, ^{Admiral of the Navy, pay of.} whose pay and allowances shall be the same as those received by the last General of the United States Army; * * * for men to be enlisted to fill vacancies * * *.”

Provides, “the Secretary of the Navy is hereby authorized to pay to such officers as were appointed for temporary service in the Navy during the late war with Spain, and who entered upon the performance of duty prior to the date on which they accepted their commissions and executed oaths of office, the pay of their grades for the interval during which they were so employed, such payments to be made from the appropriation ‘Pay of the Navy.’” ^{Officers serving temporarily, pay of.}

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BUREAU OF NAVIGATION.

* * * * *

NAVAL APPRENTICE TRAINING STATION, YERBA BUENA ISLAND, CALIFORNIA—Maintenance: ^{Yerba Buena Island.} Maintenance of naval apprentice training station, Yerba Buena Island, California, namely: Labor and material; buildings and wharves; general care, repairs, and improvements of grounds, buildings, and wharves; wharfage, ferriage, and street-car fare; purchase and maintenance of live stock, and attendance on same; wagons, carts, implements, and tools, and repairs to same; fire engines and extinguishers; boats and gymnastic implements; models and other articles needed in instruction of apprentices; printing outfit and materials, and maintenance of same; heating, lighting, and furniture; stationery, books, and periodicals; fresh water, ice, and washing; freight and expressage; packing boxes and materials; postage and telegraphing; telephones, and all other contingent expenses thirty thousand dollars.

NAVAL TRAINING STATION, COASTERS HARBOR ISLAND, RHODE ISLAND (FOR APPRENTICES): ^{Coasters Island.} * * * For “bar-racks, mess hall, wash room, and so forth, * * *.”

BUREAU OF ORDNANCE.

- * * * *
- Smokeless-powder factory.** For smokeless-powder factory: "Necessary expenses incident to the work of continuing the development of the smokeless-powder factory, * * *."
- Fort Lafayette.** For fitting Fort Lafayette as magazine: "Additional work necessary in fitting Fort Lafayette, New York Harbor, in suitable condition for magazine purposes, * * *."
- Purchase of site for naval magazine, New York Harbor.** Naval magazine, New York Harbor: For the purchase of land for a site for a naval magazine, near New York City, and for the erection thereon of the necessary buildings; for inclosing said grounds; for grading and filling in; for building roads and walks; for the improvement of the water front; for the necessary wharves and cranes; for railroad tracks and water service; and for the equipment of the establishment, six hundred thousand dollars, or as much thereof as may be necessary; and the Secretary of the Navy may employ and pay out of the appropriation hereby authorized such additional expert aids, architects, superintendent of construction, or draftsmen, as may be necessary for the preparation of the plans and specifications and prosecution of the work authorized, to an amount not to exceed seven thousand dollars.
- Fort Mifflin.** Naval magazine, Fort Mifflin, Pennsylvania: For extending two shell houses at the naval magazine, Fort Mifflin, Pennsylvania; construction of necessary roadbeds, extension and repair of piers, improvement and repair of dike walls, and expenses incident thereto, sixty-eight thousand dollars.
- * * * *
- Ordnance buildings and equipment.** For machinery for ordnance building, navy-yard, League Island, Pennsylvania: "Boilers, machinery, tools, and appliances for the new ordnance building at the navy-yard, League Island, Pennsylvania, sixty thousand dollars."
- League Island.**
- Norfolk.** Naval magazine, near Norfolk, Virginia: New watchmen's quarters and storehouse at magazine grounds, Saint Juliens Creek, near Norfolk, Virginia, and for the purchase of additional land needed to extend the borders of same, twenty-seven thousand five hundred dollars.
- League Island.** Steam lighter for navy-yard, League Island, Pennsylvania: Purchase of a steam lighter for ordnance purposes at the navy-yard, League Island, Pennsylvania, thirty thousand dollars.
- * * * *
- Maxim guns to Yale University, transfer of.** Provision for "the Secretary of the Navy * * * to transfer to the officers of Yale University the custody of the two Maxim rapid-fire guns, with their mounts and the stand of colors, presented by its students and graduates to the United States at the opening of the war with

Spain for use upon the auxiliary cruiser *Yale*, to be retained until said guns may be required for use by the Government."

BUREAU OF EQUIPMENT.

* * * * *

Ocean and lake surveys: * * * For surveys of the imperfectly known parts of the coasts and harbors of the Philippine Archipelago, and the islands of Cuba and Porto Rico, with their bordering keys and waters and the minor outlying islands; to be made immediately available, one hundred thousand dollars.

Survey of
Philippines
Cuba, and
Porto Rico.

* * * * *

BUREAU OF YARDS AND DOCKS.

* * * * *

FOR PUBLIC WORKS—BUREAU OF YARDS AND DOCKS, NAVY-YARDS AND STATIONS, NAVAL ACADEMY, AND NEW NAVAL OBSERVATORY.

NAVY-YARD, PORTSMOUTH, NEW HAMPSHIRE: Building to replace hospital numbered twenty-eight, six thousand dollars; sawmill for construction and repair, thirty thousand dollars; foundry for construction and repair, forty thousand dollars; plate-angle, smith, and beam shed for construction and repair, thirty-five thousand dollars; electric-light plant, fifty thousand dollars; electric-light building, thirty thousand dollars; two officers' quarters, fifteen thousand dollars; coal-storage and coal-handling machinery, one hundred thousand dollars; in all, navy-yard, Portsmouth, New Hampshire, three hundred and six thousand dollars.

Portsmouth.

NAVY-YARD, BOSTON, MASSACHUSETTS: New gate and entrance house to yard, twenty-five thousand dollars; new railroad system, forty thousand dollars; locomotive and cars, ten thousand dollars; constructing new piers and extending old ones, and dredging, one hundred thousand dollars; coal-storage and coal-handling plant, one hundred and thirty thousand dollars; repairing drainage system and connecting with metropolitan sewer, twelve thousand dollars; electric-light building with coal-storage and coal-handling appliances for same, fifty thousand dollars; electric elevators in four storehouses, twelve thousand dollars; in all, navy-yard, Boston, three hundred and seventy-nine thousand dollars.

Boston.

That the Secretary of the Navy is hereby authorized to provide for the enlargement of the slip or dock at the southern boundary of the United States navy-yard at Boston, Massachusetts, partly upon the land of the navy-yard and partly upon lands belonging to the Fitchburg

Railroad Company, said slip to be enlarged beyond its present width eighty feet upon the lands of the United States and twenty feet upon the lands of the Fitchburg Railroad Company, so that the same shall be one hundred and sixty feet in width, measured northerly from the land parallel to and twenty feet southerly from the boundary between the lands of the United States and lands of the Fitchburg Railroad Company, and to be increased in length to a total of five hundred and seventy feet, measured from the harbor commissioners' line as now established upon the front of the said railroad company's property; the said slip to be used by both the Fitchburg Railroad and the United States for the berthing of vessels at their respective wharves; and the Secretary of the Navy is empowered to make a contract with the said Fitchburg Railroad Company pursuant to the provisions of this act. That in consideration of the privileges granted by this act to the Fitchburg Railroad Company for the use of a portion of this slip extending northerly of the boundary line of the United States navy-yard, said railroad company shall build suitable retaining walls upon the east side and at the head of the slip upon the Government lands, or if the United States shall so elect in lieu thereof shall pay to the United States such sums of money as may be determined by arbitration, and shall dredge the entire slip or basin to a depth of thirty feet at mean low water and maintain such depth as long as it enjoys the privileges above stated. It is further provided that the said railroad company shall use and occupy only sixty feet of the width of the said basin within the limits of the navy-yard property, and is to erect no construction of any kind within the limits of the said basin, either upon the lands of the Government or upon that portion of the said railroad company's lands included in the basin. That the right to use said dock or any part thereof by said railroad company may be temporarily suspended by the Secretary of the Navy whenever in case of war or other emergency it shall be necessary, in his judgment, for the United States Government to have the exclusive use of the same, and for any such suspension said company shall not be entitled to any compensation. The Secretary of the Navy shall notify the railroad company to that effect, and thereupon and during the continuance of such emergency the Government shall have the sole use of said dock. That the entire expense of the construction of the said slip or basin and all future repair thereof shall be borne by the said railroad company, including the excavation and removal of any wharves, piers, buildings, earth, or constructions of any kind that may be upon the said site, and said materials and constructions shall be disposed of in such a manner or deposited in such places as shall be designated,

with the approval of the Secretary of the Navy, and the construction and improvement herein provided for shall be without any expense whatever to the United States. That the privileges hereby granted to the Fitchburg Railroad Company shall become null and void unless the improvements hereby authorized are begun within six calendar months from the date of the approval of this act, and completed in every respect in accordance with the terms hereof, and to the acceptance of the Secretary of the Navy, within eighteen calendar months from the same date.

NAVY-YARD, BROOKLYN, NEW YORK: Removing crib work, and so forth, Whitney Basin, one hundred thousand dollars; extending quay wall, Cob Dock, eighty-two thousand seven hundred dollars; extending building numbered thirty-three, forty-eight thousand dollars; erecting shop, wing of building numbered twenty-eight, for steam engineering, forty-seven thousand two hundred and fifty dollars; coppersmith shop for steam engineering, fifteen thousand one hundred and twelve dollars; administration building for steam engineering, thirty-seven thousand dollars; paving streets, fifty thousand dollars; extending yard sewers, eighteen thousand dollars; extending railroad system, thirty thousand dollars; extending electric plant, twenty thousand dollars; new roof for building numbered twelve, eight thousand dollars; new floor for building numbered fourteen, twelve thousand dollars; two officers' quarters, fourteen thousand dollars; reconstructing and enlarging building numbered twenty-two, seventy thousand dollars; coal-storage and coal-handling plant, sixty thousand dollars; in all, navy-yard, New York, six hundred and twelve thousand and sixty-two dollars.

Brooklyn.

NAVY-YARD, LEAGUE ISLAND, PENNSYLVANIA: Dredging and filling in Delaware water front, fifty thousand dollars; extension of reserve basin, one hundred and twenty-five thousand dollars; new roads and walks about yard, fifteen thousand dollars; extension of drainage system, seven thousand dollars; commandant's office, fifty-three thousand seven hundred and thirty-five dollars; water-closets, four thousand seven hundred and twelve dollars; east wall of causeway, seventy-three thousand nine hundred and twenty dollars; railroad tracks about yard, twenty thousand dollars; artesian well, five thousand four hundred dollars; four officers' quarters, twenty-five thousand dollars; locomotive crane about dry dock, sixty-five thousand dollars; retaining wall about reserve basin, one hundred thousand dollars; storehouses for ships' equipment along reserve basin, thirty-six thousand dollars; continuation of sea wall west of new dry dock, fifty thousand dollars; plate-bending shop, construction and repair, seventy-five thousand dollars; coal-storage and coal-handling plant, fifty thousand dollars; fire-

League Island.

proof storehouse, forty-five thousand dollars; in all, navy-yard, League Island, eight hundred thousand seven hundred sixty-seven dollars.

Washington.

NAVY-YARD, WASHINGTON, DISTRICT OF COLUMBIA: New steel roof and repairs to pattern-shop building numbered thirty, twenty-one thousand dollars; new steel roof and repairs to copper rolling mill, seventeen thousand dollars; extension of north gun-shop, fifteen thousand dollars; new steel roof and extension of store numbered twelve, ten thousand dollars; extension of storehouse for guns, thirty-five thousand dollars; shop and office building for construction and repair, one hundred thousand dollars; one officer's quarters, seven thousand dollars; in all, navy-yard, Washington, two hundred and five thousand dollars.

Norfolk.

NAVY-YARD, NORFOLK, VIRGINIA: Quay wall for fitting out basin, one hundred thousand dollars; ship fitters' shop for construction and repair, one hundred thousand dollars; building for electric plant, plumbers' shop, and machine shop (yards and docks), seventy-five thousand dollars; blacksmith shop and plumbers' shop, fifty thousand dollars; one hundred and twenty ton floating derrick, seventy thousand dollars; two officers' quarters, ten thousand dollars; grading and paving streets and for sewers, twenty thousand dollars; storehouse for torpedoes, and so forth, seventy-five thousand dollars; in all, navy-yard, Norfolk, five hundred thousand dollars.

And the sum of one hundred and forty-five thousand six hundred and eighty-seven dollars and fifty cents, or so much thereof as may be necessary, is hereby appropriated to pay and satisfy the amount awarded to the property owners as found by the final judgment to be rendered in the matter of the condemnation proceedings begun under the direction of the Attorney-General of the United States in the district court of the United States for the eastern district of Virginia on the twenty-fourth day of June, eighteen hundred and ninety-eight, for the condemnation of the tract of land mentioned therein for the use of the United States at Norfolk, Virginia; and such further sum is appropriated as may be necessary to pay the costs of said proceedings: *Provided*, That said sum, the purchase money, shall be paid into court to be distributed among those entitled thereto, or their attorneys of record, under said judgment and decree in full satisfaction of the payment for the lands mentioned and described therein.

New London.

NAVAL STATION, NEW LONDON, CONNECTICUT: Dredging, twenty-five thousand dollars.

Port Royal.

NAVAL STATION, PORT ROYAL, SOUTH CAROLINA: Building for workshops (yards and docks), fifty-four thousand dollars; paint shop and storage for combustibles, thirteen thousand dollars; extension of storehouse, thirty thousand dollars; dredging plant, six thousand dollars;

grading and drainage, six thousand dollars; sawmill and boat shop (construction and repair), thirty thousand dollars; shipwright's shed (construction and repair), six thousand dollars; the Secretary of the Navy is hereby authorized to procure, by purchase, in his discretion, at such price as he may deem fair and reasonable, not to exceed the sum of twenty-six thousand dollars, the following-described property adjoining and contiguous to the United States Naval Station, Port Royal, South Carolina, being lots in township numbered two, south of Beaufort base line, range numbered one, west of Saint Helena meridian, in section numbered five, according to the survey thereof made by the United States direct tax commissioners for South Carolina, and recorded in their office, namely: Twenty-seven, twenty-eight, twenty-nine, thirty, thirty-one, thirty-four, thirty-five, thirty-six, thirty-seven, thirty-eight, forty-three, forty-four, forty-five, forty-six, forty-seven, forty-nine, fifty, fifty-one, fifty-two, fifty-three, fifty-four, fifty-nine, sixty, sixty-one, sixty-two, sixty-three, and sixty-four; also section numbered eight, lots one, two, three, four, five, six, eleven, twelve, thirteen, fourteen, fifteen, sixteen, seventeen, eighteen, nineteen, twenty, twenty-one, twenty-two, twenty-seven, twenty-eight, twenty-nine, thirty, thirty-one, thirty-two, thirty-three, thirty-four, thirty-five, thirty-six, thirty-seven, and thirty-eight; in all, naval station, Port Royal, one hundred and forty-five thousand dollars.

NAVAL STATION, KEY WEST, FLORIDA: Sea wall, three thousand dollars; sidewalks, one thousand five hundred and twenty dollars; two officers' quarters, eight thousand dollars; purchase of additional land, one hundred thousand dollars; in all, naval station, Key West, one hundred and twelve thousand five hundred and twenty dollars.

Key West.

NAVY-YARD, MARE ISLAND, CALIFORNIA: Quay wall, seventy-two thousand dollars; crematory, seven thousand five hundred dollars; additional tools for machine shop (yards and docks), four thousand dollars; extension and renewal of railroad and its equipments, twenty thousand dollars; fire-engine house, seven thousand dollars; additional storehouse for supplies and accounts, forty thousand dollars; blockmakers', coopers', and varnishers' shop (construction and repair), sixteen thousand dollars; dredging channel and anchorage ground, one hundred thousand dollars; timber shed (supplies and accounts), twenty-six thousand two hundred and fifty dollars; apartment house for junior and other officers, fifteen thousand dollars; sidewalks and roads, five thousand dollars; boat shops (construction and repair), seventy-two thousand dollars; machine shop (construction and repair), thirty-four thousand dollars; grading and paving streets, six thousand dollars; building for storing and

Mare Island.

handling guns, twenty-two thousand dollars; moving back ferry slip, eighty thousand dollars; shipwrights' shop (construction and repair), seventy-five thousand dollars; steam engineering, machine shop, and foundry, one hundred and fifty thousand dollars; grading yard, one hundred thousand dollars; storehouse for equipment materials, forty-five thousand dollars; workshop and boiler house for Bureau of Equipment, thirty-five thousand dollars; chain shed for Bureau of Equipment, four thousand five hundred dollars; in all, navy-yard, Mare Island, nine hundred and thirty-five thousand seven hundred and fifty dollars.

Puget Sound. PUGET SOUND NAVAL STATION, WASHINGTON: Pump and boiler house for new water station, three thousand dollars; yard water-closets, one thousand dollars; purchase of additional land near springs, one thousand dollars; continuing clearing, grading, and stumping station, twelve thousand dollars; concrete floor for construction and repair shop, eight thousand dollars; yard railway, three thousand five hundred dollars; extension of boiler room and steam plant for yards and docks, twenty thousand dollars; in all, Puget Sound Naval Station, forty-eight thousand five hundred dollars.

Algiers, La. That the Secretary of the Navy is authorized to use the balance remaining unexpended of the appropriations made by the act approved March third, eighteen hundred and ninety-three, "Dry dock, Algiers, Louisiana," and by the act approved July twenty-sixth, eighteen hundred and ninety-four, "Dry dock at Algiers, Louisiana," for the payment of the interest and costs adjudged by the decrees of the court in the proceedings for the condemnation of the lands acquired, as authorized by said acts.

The provisions of "An act making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and ninety-nine, and for other purposes," approved May fourth, eighteen hundred and ninety-eight, relating to the construction of dry docks, are hereby modified so that the Secretary of the Navy may, in his discretion, contract for the construction of one of the four dry docks named in said provision in addition to that at Boston, to be built of granite, or of concrete faced with granite, and in such case the limit of the cost of each of said dry docks is fixed at one million one hundred thousand dollars. Toward the construction of said dry docks there is hereby appropriated the sum of eight hundred thousand dollars in addition to the appropriations contained in said provisions of the act of May fourth, eighteen hundred and ninety-eight, which may be used in carrying out the terms of this provision.

The Secretary of the Navy may employ and pay, out of the appropriation for public works herein authorized under the Bureau of Yards and Docks, such additional expert aids, draftsmen, writers, and copyists as may be

necessary for the preparation of plans and specifications, and for such services an amount not to exceed five thousand dollars is made immediately available.

For completion of buildings and other works authorized under the act making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and ninety-nine, under such plans as may be adopted by the Secretary of the Navy, not to exceed in cost one million two hundred and twenty thousand dollars, seven hundred and twenty thousand dollars.

Naval Academy.

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BUREAU OF MEDICINE AND SURGERY.

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NAVAL CEMETERY, NAVAL HOSPITAL, CHELSEA, MASSACHUSETTS: Building fence to inclose cemetery, laying out approaches and paths, caring for graves, resetting headstones, and general renovation. two thousand five hundred dollars.

Naval cemetery, Chelsea, Mass.

NAVAL HOSPITAL, CHELSEA, MASSACHUSETTS: Building annex for kitchen, bathroom, closets, and lavatories, furniture and fittings, and general renovation of hospital and appendages, forty-five thousand dollars, to be immediately available.

Annex, naval hospital, Chelsea, Mass.

BUREAU OF SUPPLIES AND ACCOUNTS.

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The active list of passed assistant and assistant paymasters of the Pay Corps shall hereafter consist of thirty and forty, respectively: *Provided*, That when such appointments of assistant paymasters are made from among those who served honorably as such in the late war with Spain the age limit may be increased to forty-five years.

Pay corps, increase in number of.

The officer of the Pay Corps of the Navy detailed as assistant to the Chief of the Bureau of Supplies and Accounts pursuant to the act of Congress approved July twenty-seventh, eighteen hundred and ninety-four, shall hereafter receive the highest pay of his grade.

Assistant to Chief of Bureau of Supplies and Accounts, pay of.

BUREAU OF CONSTRUCTION AND REPAIR.

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For construction plant, navy-yard, Pensacola, Florida: "Repairs to and improvement of construction plant at navy-yard, Pensacola, Florida, twenty-five thousand dollars."

Construction plants: Pensacola.

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For construction plant, naval station, Port Royal, South Carolina: "Repairs to and improvement of construction plant at naval station, Port Royal, South Carolina, twenty-five thousand dollars."

Port Royal.

Key West. "Construction plant, naval station, Key West, Florida: "Repairs to and improvement of construction plant at naval station, Key West, Florida, twenty-five thousand dollars."

Submarine boats, Holland type.

The act of June tenth, eighteen hundred and ninety-six, authorizing the construction, in the discretion of the Secretary of the Navy, of two submarine boats, is hereby amended so as to permit the Secretary to contract for two submarine boats of the Holland type, similar to the submarine boat Holland.

BUREAU OF STEAM ENGINEERING.

Machinery plants: Norfolk.

MACHINERY PLANT, NAVY-YARD, NORFOLK, VIRGINIA: Additional tools required to put the yard in condition for building and repairing modern marine machinery with economy and dispatch, fifteen thousand dollars.

Puget Sound.

MACHINERY PLANT, NAVAL STATION, PUGET SOUND, WASHINGTON: Additional tools required to fit out plant for repairs of engines, boilers, and so forth, of United States naval vessels, twenty-five thousand dollars.

League Island.

MACHINERY PLANT, NAVY-YARD, LEAGUE ISLAND, PENNSYLVANIA: Boiler-making plant, fifteen thousand dollars.

Brooklyn.

MACHINERY PLANT, NAVY-YARD, BROOKLYN, NEW YORK: Additional tools required to put the yard in condition for building and repairing modern marine machinery with economy and dispatch, fifty thousand dollars.

MARINE CORPS.

Annapolis, miscellaneous improvements at.

"For erection and completion of a building for marine barracks, Annapolis, Maryland, fifty thousand dollars.

"Erection and completion of commanding officers' quarters, Annapolis, Maryland, nine thousand dollars.

"Erection and completion of two sets of officers' quarters, Annapolis, Maryland, fourteen thousand dollars.

"Clearing and grading, laying sewers, water pipes, and pavements, erecting fences and flagstaff; and otherwise improving site for marine barracks and officers' quarters, and building a bridge to connect same with Naval Academy inclosure, Annapolis, Maryland, eight thousand dollars."

Increase in Marine Corps.

For provisions, clothing, fuel, military stores, transportation and recruiting, forage, and hire of quarters for officers and men to be commissioned and enlisted previous to June thirtieth, eighteen hundred and ninety-nine, twenty thousand four hundred dollars, to be immediately available.

INCREASE OF THE NAVY.

That for the purpose of further increasing the naval establishment of the United States the President is hereby authorized to have constructed by contract three seagoing coast line battle ships, carrying the heaviest armor and most powerful ordnance for vessels of their class upon a trial displacement of about thirteen thousand five hundred tons, to be sheathed and coppered, and to have the highest practicable speed and great radius of action, and to cost, exclusive of armor and armament, not exceeding three million six hundred thousand dollars each; three armored cruisers of about twelve thousand tons trial displacement, carrying the heaviest armor and most powerful ordnance for vessels of their class, to be sheathed and coppered, and to have the highest practicable speed and great radius of action, and to cost, exclusive of armor and armament, not exceeding four million dollars each; and six protected cruisers of about two thousand five hundred tons trial displacement, to be sheathed and coppered, and to have the highest speed compatible with good cruising qualities, great radius of action, and to carry the most powerful ordnance suited to vessels of their class, and to cost, exclusive of armament, not exceeding one million one hundred and forty-one thousand eight hundred dollars each; and the contracts for the construction of each of said vessels shall be awarded by the Secretary of the Navy to the lowest best responsible bidder, having in view the best results and most expeditious delivery; and not more than two of the seagoing battle ships and not more than two of the armored cruisers herein provided for shall be built in one yard or by one contracting party; and in the construction of all said vessels all of the provisions of the act of May fourth, eighteen hundred and ninety-eight, entitled "An act making appropriations for the naval establishment for the fiscal year ending June thirtieth, eighteen hundred and ninety-nine, and for other purposes," shall be observed and followed; and, subject to the provisions hereinafter made, one and not more than one of the aforesaid seagoing battle ships, and one and not more than one of the aforesaid armored cruisers shall be built on or near the coast of the Pacific Ocean or in the waters connecting therewith: *Provided*, That if it shall appear to the satisfaction of the President of the United States, from the biddings for such contracts when the same are opened and examined by him, said vessels, or either of them, can not be constructed on or near the coast of the Pacific Ocean at a cost not exceeding four per centum above the lowest accepted bid for the other battle ships or cruisers provided for in this act, he shall authorize the construction of said vessels, or either of them, elsewhere in the United States, subject to the limitations as to cost hereinbefore provided.

Three battle-ships.

Three armored cruisers.

Six protected cruisers.

- Construction and machinery.** **CONSTRUCTION AND MACHINERY:** On account of the hulls and outfits of vessels and steam machinery of vessels heretofore and herein authorized, five million nine hundred and ninety-two thousand four hundred and two dollars.
- Armor and armament.** **ARMOR AND ARMAMENT:** Toward the armament and armor of domestic manufacture for the vessels authorized by the act of July twenty-sixth, eighteen hundred and ninety-four, of the vessels authorized under the act of March second, eighteen hundred and ninety-five, of those authorized by the act of June tenth, eighteen hundred and ninety-six, of those authorized by the act of March third, eighteen hundred and ninety-seven, of those authorized by the act of May fourth, eighteen hundred and ninety-eight, and of those authorized by this act, four million dollars: *Provided*, That in procuring armor for the seagoing coast-line battle ships and the harbor defense vessels of the monitor type, authorized by the act making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and ninety-nine, and for other purposes, approved May fourth, eighteen hundred and ninety-eight, the Secretary of the Navy may contract for suitable armor for said vessels under the limitations as to price for the same as fixed by this act: *And provided further*, That no contracts for the armor for any vessels authorized by this act shall be made at an average rate exceeding three hundred dollars per ton of two thousand two hundred and forty pounds, including royalties, and in no case shall a contract be made for the construction of the hull of any vessel authorized by this act until a contract has been made for the armor of such vessel.
- Armor, limit of cost of.** The President is hereby authorized to appoint, by selection and promotion, an Admiral of the Navy, who shall not be placed upon the retired list except upon his own application; and whenever such office shall be vacated by death or otherwise the office shall cease to exist.
- Admiral of the Navy not retired, etc.** **EQUIPMENT:** Toward the completion of the equipment outfit of the new vessels heretofore and herein authorized, four hundred thousand dollars.
- Equipment.** Approved March 3, 1899.

FIFTY-SIXTH CONGRESS, FIRST SESSION—JUNE 7, 1900.

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and one, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

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PAY, MISCELLANEOUS.

It is "*Provided*, That in lieu of traveling expenses and all allowances whatsoever connected therewith, including transportation of baggage, officers of the Navy traveling from point to point within the United States under orders shall hereafter receive mileage at the rate of eight cents per mile, distance to be computed by the shortest usually traveled route; but in cases where orders are given for travel to be performed repeatedly between two or more places in the same vicinity the Secretary of the Navy may, in his discretion, direct that actual and necessary expenses only be allowed. Actual expenses only shall be paid for travel under orders outside the limits of the United States in North America."

Mileage, officers.

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CONTINGENT, NAVY: * * * A provision "to enable the Secretary of the Navy, in his discretion, to cause to be transported to their homes the remains of officers and enlisted men of the Navy and Marine Corps who die or are killed in action, ashore or afloat, outside of the continental limits of the United States, ten thousand dollars: *Provided*, That the sum herein appropriated shall be available for transportation of the remains of officers and men who have died or who have been killed while on duty at any time since April twenty-first, eighteen hundred and ninety-eight."

Remains, transportation of.

EMERGENCY FUND, NAVY DEPARTMENT.

A provision "to meet unforeseen contingencies for the maintenance of the Navy constantly arising, to be expended at the discretion of the President, three hundred thousand dollars."

Emergency fund.

BUREAU OF NAVIGATION.

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OUTFITS FOR LANDSMEN: For outfits for two thousand five hundred landsmen under training for seamen, at

Outfits for landsmen.

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forty-five dollars each, one hundred and twelve thousand five hundred dollars.

Quarters for officers.

* * * * *
 For naval training station, California (buildings): "Three sets of officers' quarters, twenty-five thousand dollars; extension of wharf, three thousand dollars; sick quarters for apprentices, one thousand five hundred dollars; additional boiler, engine, and dynamo for lighting buildings, three thousand dollars; stable, one thousand two hundred and fifty dollars; fitting storehouse for general storekeeper in basement of barracks, one thousand dollars; * * *"

"NAVAL TRAINING STATION, RHODE ISLAND—BUILDINGS: For building breakwater, wharf, and sea wall for new barracks, twenty-five thousand dollars; for two thousand feet of six-inch water mains with valves complete for new barracks, four thousand eight hundred dollars; reclaiming basin northwest of main causeway, nine thousand five hundred dollars; building and furnishing storehouse for general storekeeper, ten thousand dollars; power house to be fitted with boilers, dynamos, connections, and so forth, for lighting the new barracks at this station, and a salt-water pumping outfit for fire protection to be installed in the same building, to be immediately available, nine thousand five hundred and fifty dollars; * * *"

BUREAU OF ORDNANCE.

Gun plant Washington.

ORDNANCE AND ORDNANCE STORES: * * * For the gun plant at the Washington Navy-Yard, "for existing shops, fifty thousand dollars; for one new proposed shop estimated for by the Bureau of Yards and Docks, one hundred thousand dollars; for new and improved machinery for the instruction of seamen gunners, twenty-five thousand dollars; in all, gun plant at Washington, one hundred and seventy-five thousand dollars."

For new watchmen's quarters and inclosure fence for gun park at Saint Helena, Norfolk Navy-Yard, five thousand five hundred dollars.

Puget Sound.

* * * * *
 BUILDINGS, NAVAL STATION, PUGET SOUND: For erection and equipment of ordnance shop and two magazine buildings at Bremerton, Puget Sound Naval Station, eighty thousand dollars.

Elfrida.

ARMING AND EQUIPPING NAVAL MILITIA: * * * A provision: "The Secretary of the Navy is hereby authorized and empowered to use any part of the share of moneys heretofore or herein appropriated for arming and equipping the Naval Militia forces of the State of Connecticut in repairing the boilers of United States steamship Elfrida as he, the Secretary, may deem proper and advisable."

For naval magazine, Norfolk, Virginia: "Railroad track, lightning rods, grading, filling, ditching and draining, and other necessary improvements at the naval magazine, Saint Juliens Creek, near Norfolk, Virginia, twenty thousand dollars."

Norfolk.

NAVAL MAGAZINE, DOVER, NEW JERSEY: Improvements at the naval magazine, Dover, New Jersey, including a new storehouse and magazine, light, heat, and power plant connected with small machine shop, new wagon shed, railroad connections to new buildings and with the Morris County Railroad, water reservoir, fire system, grading, and road improvements, one hundred thousand dollars.

Dover, N. J.

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BUREAU OF EQUIPMENT.

EQUIPMENT OF VESSELS: * * * For "maintaining, and repairing interior and exterior signal communications and all electrical appliances of whatsoever nature on board naval vessels, except range finders, battle order and range transmitters and indicators, and motors and their controlling apparatus used to operate the machinery belonging to other Bureaus, * * *"

Electrical appliances.

For equipment plant at Cavite, Philippine Islands: "For the purchase of the necessary tools and appliances for the enlargement and for increasing the facilities of the equipment plant at Cavite, Philippine Islands, twenty thousand dollars."

Cavite, P. I., equipment.

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BUREAU OF YARDS AND DOCKS.

* * * * *

PUBLIC WORKS, BUREAU OF YARDS AND DOCKS, NAVY-YARDS AND STATIONS, NAVAL ACADEMY, AND NEW NAVAL OBSERVATORY.

NAVY-YARD, PORTSMOUTH, NEW HAMPSHIRE: Quay wall, forty thousand dollars; grading, twenty-five thousand dollars; railroad and rolling stock, forty-five thousand dollars; sewer systems, extensions, five thousand dollars; water systems, extensions, eighteen thousand dollars; machine shop for equipment, one hundred thousand dollars; machine shop for steam engineering, fifty thousand dollars; smith shop for construction and repair, twenty-two thousand dollars; latrines, two thousand dollars; remodeling building forty-two for yards and docks, six thousand dollars; office building for construction and repair, fifteen thousand dollars; underground conduit system, eighteen thousand dollars; fire-protection system, sixty thousand dollars; in all, four hundred and six thousand dollars.

Portsmouth.

Boston.

NAVY-YARD, BOSTON, MASSACHUSETTS: Ship fitters' shop, to cost not more than two hundred thousand dollars, for which contract is hereby authorized, one hundred thousand dollars; metal workers' shop, to cost not more than two hundred thousand dollars, for which contract is hereby authorized, one hundred thousand dollars; rebuilding building forty-two, seventy-five thousand dollars; refitting and improving machine shop numbered one, building forty-two, to cost not more than one hundred thousand dollars, for which contract is hereby authorized, fifty thousand dollars; trusses under pattern-shop floor, building forty-two, ten thousand dollars; extension of building forty, equipment shops, one hundred thousand dollars; chain and anchor-storage shed for equipment, ninety thousand dollars; yards and docks shop building, ninety thousand dollars; new piers and wharves, fifty thousand dollars; paving, twenty-five thousand dollars; railroad and platform scales, five thousand three hundred dollars; crane scow, twenty thousand dollars; wharf-pillar crane, six thousand dollars; dredging, thirty thousand dollars; new caisson for stone dry dock, to be immediately available, forty thousand dollars, and the unexpended appropriation for swinging gates in the act of March third, eighteen hundred and ninety-seven, is hereby reappropriated for caisson; machine tools for yards and docks shops, five thousand dollars; electric elevators, ten thousand dollars, smithery for construction and repair, to cost not more than two hundred thousand dollars, for which contract is hereby authorized, one hundred thousand dollars; fire-protection system, sixty thousand dollars; in all, navy-yard, Boston, nine hundred and sixty-six thousand three hundred dollars.

New York.

NAVY-YARD, NEW YORK, NEW YORK: To complete railroad system with terminal bridge and float, thirty thousand dollars; quay wall, Whitney Basin, to complete, fifty thousand dollars; reconstructing building twenty-one for boathouse, to cost not more than one hundred and eighty-five thousand dollars, for which contract is hereby authorized, one hundred thousand dollars; completing the conversion of building numbered eight, twelve thousand two hundred dollars, to be immediately available; paving and grading, to continue, forty-two thousand dollars; extending yard sewers, to continue, eight thousand dollars; granite and concrete dry dock, to cost not more than one million dollars, for which contract is hereby authorized, two hundred thousand dollars; pay office and auction rooms, eighteen thousand dollars; storehouse for naval-supply fund stores, to cost not more than one hundred and fifty thousand dollars, for which contract is hereby authorized, one hundred thousand dollars; extending electric light and power plant, twenty-five thousand dollars; removing crib work, and so forth,

Cob Dock, eight thousand dollars; pumping plant, dry dock numbered three, to be immediately available, eighty thousand dollars; surgeons' office and dispensary, twelve thousand dollars; fire protection system, to cost not more than one hundred and sixty-two thousand dollars, one hundred thousand dollars; completing repairs to dry dock numbered two, three hundred thousand dollars, to be immediately available; bascule bridge, one hundred and fifteen thousand dollars; new roof for building numbered twelve, four thousand dollars; completing building numbered twenty-three (two elevators), four thousand seven hundred dollars; in all, navy-yard, New York, New York, one million two hundred and eight thousand nine hundred dollars.

NAVY-YARD, LEAGUE ISLAND, PENNSYLVANIA: To complete one pair shear legs, seventeen thousand dollars; to complete new coping for dry dock, twenty-eight thousand dollars; extension of reserve basin, to continue dredging, one hundred thousand dollars; to continue increase of electric plant, twenty thousand dollars; to complete fireproof storehouse for equipment, eighteen thousand dollars; electrical workshop and storehouse for equipment, eighty-four thousand dollars; to continue retaining wall about reserve basin, one hundred thousand dollars; grading and paving, fifteen thousand dollars; shed for combustibles, fifteen thousand dollars; machine shop for steam engineering, to cost not more than one hundred and seventy-four thousand dollars, for which contract is hereby authorized, seventy-four thousand dollars; foundry and coppersmith shop for steam engineering, to cost not more than one hundred and eighteen thousand dollars, for which contract is hereby authorized, sixty thousand dollars; boiler and blacksmith shop for steam engineering, to cost not more than one hundred and eighteen thousand dollars, for which contract is hereby authorized, sixty thousand dollars; pattern shop and storehouse for patterns for steam engineering, sixty-one thousand five hundred dollars; smithery shop for construction and repair, forty-three thousand two hundred dollars; angle smithery for construction and repair, thirty-six thousand dollars; plumbers' and coppersmiths' shop and foundry for construction and repair, to cost not more than one hundred and three thousand eight hundred and eighty dollars, for which contract is hereby authorized, sixty thousand dollars; block, cooper, and spar shops for construction and repair, to cost not more than one hundred and thirteen thousand four hundred dollars, for which contract is hereby authorized, sixty thousand dollars; fireproof shed for painting and storage of canvas, three thousand eight hundred dollars; extension of water system, eighteen thousand dollars; chain shed and anchor rack, eleven thousand dollars; trolley car and line in navy-yard, five thousand dollars; fire-

League Island.

protection system, fifty thousand dollars; in all, navy-yard, League Island, nine hundred and thirty-nine thousand five hundred dollars.

Washington. NAVY-YARD, WASHINGTON, DISTRICT OF COLUMBIA: Extension of store numbered one, eighteen thousand dollars; paving, fifty thousand dollars; underground conduit system, thirty thousand dollars; fire-proof floors for pattern shop, fifteen thousand dollars; boiler house for heating plant, fourteen thousand five hundred dollars; skylight for north gun shop, three thousand two hundred and two dollars and thirty-two cents; storehouse for combustible material, four thousand dollars; coal shed and coal-handling appliances, forty thousand dollars; fire-protection system, forty thousand dollars; tool shop, eighty-six thousand three hundred dollars; gunner's workshop, eighty thousand eight hundred dollars; extension of forge shop and new roof, thirty-two thousand three hundred dollars; completing shop and office building for construction and repair, thirty thousand dollars; in all, navy-yard, Washington, four hundred and forty-four thousand one hundred and two dollars and thirty-two cents.

Norfolk. NAVY-YARD, NORFOLK, VIRGINIA: Quay wall north of timber basin, twenty-five thousand dollars; concrete and granite dry dock, to cost not more than one million two hundred thousand dollars, for which contract is hereby authorized, two hundred thousand dollars; remodeling machine shop for steam engineering, sixty thousand dollars; extension of locomotive crane track, fifteen thousand dollars; increasing electric plant, twenty thousand dollars; office building for steam engineering, twenty thousand dollars; storehouse for yards and docks, forty-five thousand dollars; paving and grading, twenty thousand dollars; garbage crematory, five thousand dollars; stables, seven thousand five hundred dollars; surgeons' office and dispensary, ten thousand dollars; remodeling steamfitters' and plumbers' shop for construction and repair, fifteen thousand dollars; new altars for timber dry dock, fifteen thousand dollars; laundry at Saint Helena for receiving ship, five thousand dollars; sewers, four thousand dollars; constructing ship furniture rooms in building numbered thirty, two thousand five hundred dollars; alterations in building numbered fifteen, storehouse, three thousand two hundred dollars; in all, navy-yard, Norfolk, Virginia, four hundred and seventy-two thousand two hundred dollars.

New London. NAVAL STATION, NEW LONDON, CONNECTICUT: The unexpended balance of an appropriation under the act of July seventh, eighteen hundred and ninety-eight, for coal sheds and machinery is hereby reappropriated for rebuilding wharf.

Port Royal. NAVAL STATION, PORT ROYAL, SOUTH CAROLINA: Toward rebuilding dry dock, to cost not to exceed five hundred

thousand dollars, one hundred and fifty thousand dollars, and the Secretary of the Navy is hereby authorized to rebuild or repair said dock in concrete or stone, or both, as he may elect; condensing plant, thirty thousand dollars; fire-engine house, nine thousand dollars; grading and drainage, two thousand dollars; purchase of land, twenty-six thousand dollars; crane supports in steam-engineering machine shop, ten thousand dollars; in all, naval station, Port Royal, two hundred and twenty-seven thousand dollars.

The expenditure of the appropriations hereinbefore provided under the head of Public Works in the Bureau of Yards and Docks at the naval station, Port Royal, South Carolina, is left in the discretion of the Secretary of the Navy, who is hereby authorized and directed to forthwith appoint a board of naval officers whose duty it shall be to examine into the expediency of changing said station to some point in the State of South Carolina at or near the city of Charleston, and, if the Secretary on such examination shall decide that such change is expedient and desirable, he is authorized to expend the money hereinbefore appropriated upon such new naval station and a dock therefor having thirty feet depth of water on the sill at mean high tide; and for the purchase of a site for the same he is authorized to expend out of said appropriation a sum not to exceed one hundred thousand dollars.

NAVAL STATION, KEY WEST, FLORIDA: Building for equipment, forty-seven thousand dollars; construction and repair shop, fifty thousand dollars; floor in new machine shop, steam engineering, three thousand dollars; in all, naval station, Key West, one hundred thousand dollars.

Key West.

NAVY-YARD, MARE ISLAND, CALIFORNIA: Tools for yards and docks, ten thousand dollars; sewers, ten thousand dollars; sidewalks and roads, fifteen thousand dollars; water system, one hundred and seven thousand dollars; enlarging freight shed, five thousand dollars; medical dispensary, seven thousand five hundred dollars; light and power station, thirty thousand dollars; shelter roof for construction and repair, two thousand two hundred dollars; joiner shop for construction and repair, to cost not more than one hundred thousand dollars, for which contract is hereby authorized, fifty thousand dollars; anchor shed, seven thousand dollars; to continue quay wall, thirty thousand dollars; for the construction of a chapel, five thousand dollars; crane scow, twelve thousand dollars; to continue dredging, one hundred thousand dollars; foundry for construction and repair, four thousand five hundred dollars; pattern shop for construction and repair, six thousand dollars; coal storage, fifty thousand dollars; changes and extensions in electric system, twelve thousand dollars; enlargement of equipment offices, build-

Mare Island.

ing sixty-five, five thousand dollars; completing workshop and boiler house for Bureau of Equipment, ten thousand dollars; in all, navy-yard, Mare Island, four hundred and seventy-eight thousand two hundred dollars.

Puget Sound.

NAVAL STATION, PUGET SOUND, WASHINGTON: Yard scow, three thousand five hundred dollars; water system, additions, twelve thousand dollars; fence about station, entrance gate, and guard quarters, fifteen thousand dollars; sewers, two thousand five hundred dollars; angle plate, and smithery shed, twelve thousand dollars; wharf crane, five thousand dollars; fire-protection system, additions, seven thousand dollars; composition fittings for dry dock, five thousand dollars; dry-dock pumping plant, improvements, two thousand one hundred and sixty-five dollars; electric-light plant, to complete, seven thousand dollars; to continue grading, ten thousand dollars; equipment shop, eighty-five thousand dollars; coal shed and appliances, forty thousand dollars; in all, naval station, Puget Sound, Washington, two hundred and six thousand one hundred and sixty-five dollars.

Dry dock, board to locate.

And the Secretary of the Navy is hereby authorized and directed to appoint a board of naval officers to determine the desirability of locating and constructing a dry dock on the Columbia River, Oregon, and to report such findings to the next session of the present Congress; and the sum of one thousand dollars, or so much thereof as may be necessary, is hereby appropriated to defray the expenses of said board.

San Juan.

NAVAL STATION, SAN JUAN, PORTO RICO: Coaling facilities, thirty thousand dollars; pier, fifteen thousand dollars; dredging, two thousand dollars; electric-light plant, five thousand dollars; in all, naval station, San Juan, Porto Rico, fifty-two thousand dollars.

Pensacola.

NAVY-YARD, PENSACOLA, FLORIDA: Hand pillar crane, seven thousand three hundred dollars; boiler and engine room, building twenty-six, for construction and repair, one thousand dollars; boiler room, building thirty-eight, for construction and repair, one thousand two hundred dollars; in all, navy-yard, Pensacola, nine thousand five hundred dollars.

Algiers.

NAVAL STATION, ALGIERS, LOUISIANA: Shops for steam engineering, fifty thousand dollars; shops for construction and repair, ninety-five thousand dollars; in all, naval station, Algiers, one hundred and forty-five thousand dollars.

Dry Tortugas.

DREDGING, DRY TORTUGAS, FLORIDA: Dredging channel, one hundred thousand dollars.

Dry dock, Algiers.

DRY DOCK, ALGIERS, LOUISIANA: To complete floating dry dock for Algiers, Louisiana, six hundred and fifty thousand dollars, to be immediately available.

Four dry docks.

FOUR DRY DOCKS: Toward completion of dry docks at navy-yards: Portsmouth, New Hampshire; Boston, Mas-

sachusetts; League Island, Pennsylvania, and Mare Island, California, nine hundred thousand dollars.

DRY DOCK, HAVANA, CUBA: The President is hereby authorized to purchase from the Government of Spain, for a sum not to exceed two hundred and seventy-five thousand dollars, the ten-thousand-ton steel floating dry dock belonging to that Government and now in the harbor of Havana, Cuba, and the sum of three hundred thousand dollars, or so much thereof as may be necessary, is hereby appropriated, out of any money in the Treasury not otherwise appropriated, for the purchase of said dock and for transferring and mooring the same in such location as may be determined upon by the President.

Dry dock at Havana, purchase of.

BUILDINGS AND GROUNDS, NAVAL ACADEMY: Toward the construction of buildings, and for other necessary improvements, at the Naval Academy, Annapolis, Maryland, three hundred and fifty thousand dollars: *Provided*, That before any part of this sum is expended, complete plans shall be prepared and approved by the Secretary of the Navy covering all contemplated new buildings and improvements at the Naval Academy and for each and every purpose connected therewith; which plans shall involve a total expenditure of not more than eight million dollars, including the sum of one million two hundred and twenty thousand dollars heretofore appropriated and the sum herein appropriated for said buildings and improvements and for all additional land needed and required to carry out the aforesaid plans: *Provided further*, That after the preparation and approval of the plans herein provided for, the Secretary of the Navy is authorized to enter into contract or contracts for any part or all of the improvements and buildings herein authorized, within the said limit of cost, to be paid for as appropriations may from time to time be made by law.

Naval Academy.

Plans and improvements.

NAVAL OBSERVATORY: * * *

New Buildings: Construction on the grounds of a building suitable for a dwelling for the foreman and captain of the watch, two thousand five hundred dollars.

Naval Observatory.

BUREAU OF MEDICINE AND SURGERY.

NAVAL HOSPITAL FUND: * * * *Provided*, That from and after July first, nineteen hundred, all forfeitures on account of desertion shall be passed to the credit of the naval hospital fund.

Desertion, forfeiture for hospital fund.

NAVAL HOSPITAL, NEW YORK, NEW YORK: Removing old boilers, condemned as worn-out and worthless, and furnishing and installing two new boilers at naval hospital, New York, five thousand dollars.

Naval hospitals: New York.

Rhode Island. NAVAL HOSPITAL, NEWPORT, RHODE ISLAND: Addition to the naval hospital at naval training station, Newport, Rhode Island, twenty thousand dollars.

Mare Island. NAVAL HOSPITAL, MARE ISLAND, CALIFORNIA: New boiler house, boilers, and equipment for naval hospital, Mare Island, California, ten thousand dollars.

Assistant surgeons and passed assistant surgeons, increase in number and rank of.

The active list of surgeons shall hereafter consist of fifty-five, and that of passed assistant and assistant surgeons of one hundred and ten. Assistant surgeons shall rank with assistant surgeons in the Army: *Provided*, That the assistant surgeons under the age of fifty years appointed for temporary service during the war with Spain, having creditable records, who are now in the Navy may be given permanent commissions. Section thirteen of the act approved March third, eighteen hundred and ninety-nine, entitled "An act to reorganize and increase the efficiency of the personnel of the Navy and Marine Corps of the United States," is hereby so amended as to provide that nothing therein contained shall operate to reduce the pay which, but for the passage of said act, would have been received by any commissioned officer at the time of its passage or thereafter.

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BUREAU OF CONSTRUCTION AND REPAIR.

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Construction plant, Algiers, La. For construction plant, naval station, Algiers, Louisiana: * * * twenty-five thousand dollars.

BUREAU OF STEAM ENGINEERING.

* * * * *

Machinery plants: Portsmouth. MACHINERY PLANT, NAVY-YARD, PORTSMOUTH, NEW HAMPSHIRE: Modern machine tools required to fit out plant for repairs of engines, boilers, and so forth, of naval vessels, twenty-five thousand dollars.

Boston. MACHINERY PLANT, NAVY-YARD, BOSTON, MASSACHUSETTS: Additional machine tools to put the yard in condition for building and repairing modern marine machinery, fifty thousand dollars.

Mare Island. MACHINERY PLANT, NAVY-YARD, MARE ISLAND, CALIFORNIA: Additional tools required to put the yard in condition for building and repairing modern marine machinery, fifty thousand dollars.

Algiers. MACHINERY PLANT, NAVAL STATION, ALGIERS, LOUISIANA: Necessary machine tools required to fit up plant for repairs of engines, boilers, and so forth, of naval vessels, twenty-five thousand dollars.

Honolulu. MACHINERY PLANT, NAVAL STATION, HONOLULU, HAWAII: Necessary machine tools required to fit up plant for repairs of engines, boilers, and so forth, of naval vessels, twenty-five thousand dollars.

MACHINERY PLANT, NAVAL STATION, SAN JUAN, PORTO RICO: Necessary machine tools required to fit up plant for repairs of engines, boilers, and so forth, of naval vessels, twenty-five thousand dollars. San Juan.

* * * * *

Provides: "Section four hundred and twenty-four of the Revised Statutes is hereby amended so as to read as follows: 'The Chief of the Bureau of Steam Engineering shall be appointed from the line of officers of the Navy not below the grade of lieutenant-commander, and shall be a skillful engineer.'" Chief Bureau Steam Engineering, eligibility for.

NAVAL ACADEMY.

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FOR HEATING AND LIGHTING, NAVAL ACADEMY: For "oil, waste, and other materials for the operation, repair, and maintenance of the plant; heating and lighting apparatus and tools, * * *." Heating and lighting.

A provision: "Whenever any naval cadet shall have finished four years of his undergraduate course of six years the succeeding appointment may be made from his congressional district or at large in accordance with existing law." Naval cadets, appointment of.

The appointees to follow the two classes of cadets now at sea may enter the Academy during the present year and those to succeed the class which is now finishing its four years of study shall be appointed before March fourth, next, to enter the Academy during the year nineteen hundred and one.

During the period of twelve years from the passage of this act any naval officer on the retired list may, in the discretion of the Secretary of the Navy, be ordered to such duty as he may be able to perform at sea or on shore, and while so employed shall receive the pay and allowances of an officer of the active list of the grade from which he was retired. Retired officers for duty.

MARINE CORPS.

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* * * The money herein specifically appropriated for pay of the Marine Corps shall be disbursed and accounted for in accordance with existing law as pay of the Marine Corps, and for that purpose shall constitute one fund. Marine Corps fund, accounting for.

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FOR REPAIRS OF BARRACKS, MARINE CORPS: * * * For the renting, leasing, improvement, and erection of buildings in Porto Rico, the Philippine Islands, at Guam, Barracks and buildings—
Porto Rico, Philippine Islands, Guam.

For "additions to barracks at New York, New York, fifteen thousand dollars." New York.

- Portsmouth. Additions to barracks at Portsmouth, New Hampshire, five thousand dollars.
- Washington. Erection of a building for use of the band of the Marine Corps, and enlisted men's quarters at Headquarters, Washington, District of Columbia, four thousand five hundred dollars.
- League Island. Erection of new barracks of fireproof material at League Island, Pennsylvania, one hundred thousand dollars.
- Mare Island. Increasing the size and capacity of the naval prison, Mare Island Navy-Yard, California, fifteen thousand dollars.
- Sitka. Erection of officers' quarters at Sitka, Alaska, one thousand dollars, and the unexpended appropriation of two thousand five hundred dollars authorized in Act of June tenth, eighteen hundred and ninety-six, is hereby reappropriated for the erection of officers' quarters at Sitka, Alaska.

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Sewer system, Mare Island. CONTINGENT, MARINE CORPS: * * * *Provided,* That four thousand two hundred dollars * * * shall be applied to the restoration of the sewer system for the Marine Barracks, Mare Island.

INCREASE OF THE NAVY.

That for the purpose of further increasing the naval establishment of the United States, the President is hereby authorized to have constructed by contract two seagoing battle ships, carrying the heaviest armor and most powerful ordnance for vessels of their class, upon a trial displacement of about thirteen thousand five hundred tons, and to have the highest practicable speed and great radius of action, and to cost, exclusive of armor and armament, not exceeding three million six hundred thousand dollars each; three armored cruisers of about thirteen thousand tons trial displacement, carrying the heaviest armor and most powerful ordnance for vessels of their class, and to have the highest practicable speed and great radius of action, and to cost, exclusive of armor and armament, not exceeding four million two hundred and fifty thousand dollars each; and three protected cruisers of about eight thousand tons trial displacement, carrying the most powerful ordnance for vessels of their class and to have the highest speed compatible with good cruising qualities, and great radius of action, and to cost, exclusive of armament, not exceeding two million eight hundred thousand dollars each; and the contract for the construction of each of said vessels shall be awarded by the Secretary of the Navy to the lowest best responsible bidder, having in view the best results and most expeditious delivery; and not more than two of the vessels herein provided for shall be built in

one yard or by one contracting party; and in the construction of all said vessels all the provisions of the Act of March third, eighteen hundred and ninety-nine, entitled "An Act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred, and for other purposes," shall be observed and followed; and subject to the provisions hereinafter made, two and not more than two of the aforesaid vessels shall be built on or near the coast of the Pacific Ocean, or in the waters connecting therewith: *Provided*, That if it shall appear to the satisfaction of the President from the biddings for such contracts, when the same are opened and examined by him, that said vessels, or any of them, can not be constructed on or near the coast of the Pacific Ocean at a cost not exceeding four per centum above the lowest accepted bid for the other vessels provided for in this Act, he shall authorize the construction of said vessels, or either of them, elsewhere in the United States, subject to the limitations as to cost hereinbefore provided.

CONSTRUCTION AND MACHINERY: On account of the hulls and outfits of vessels and steam machinery of ves-

Construction and machinery.

ARMOR AND ARMAMENT: Toward the armament and armor of domestic manufacture for the vessels authorized by act of March second, eighteen hundred and ninety-five; for those authorized by the act of June tenth, eighteen hundred and ninety-six; for those authorized by the act of March third, eighteen hundred and ninety-seven; for those authorized by the act of May fourth, eighteen hundred and ninety-eight; for those authorized by the act of March third, eighteen hundred and ninety-nine, and for those authorized by this act, four million dollars: *Provided*, That the Secretary of the Navy is hereby authorized to procure by contract armor of the best quality for any or all vessels above referred to, provided such contracts can be made at a price which in his judgment is reasonable and equitable; but in case he is unable to make contracts for armor under the above conditions, he is hereby authorized and directed to procure a site for and to erect thereon a factory for the manufacture of armor, and the sum of four million dollars is hereby appropriated toward the erection of said factory.

Armor and armament.

The Secretary of the Navy is hereby authorized and directed to contract for five submarine torpedo boats of the Holland type of the most improved design, at a price not to exceed one hundred and seventy thousand dollars each: *Provided*, That such boats shall be similar in dimensions to the proposed new Holland, plans and specifications of which were submitted to the Navy Department by the Holland Torpedo Boat Company November twenty-third, eighteen hundred and ninety-nine.

Armor factory, provision for.

Five submarine torpedo boats.

ACT JUNE 7, 1900.

The said new contract and the submarine torpedo boats covered by the same are to be in accordance with the stipulations of the contract of purchase made April eleventh, nineteen hundred, by and between the Holland Torpedo Boat Company, represented by the Secretary of said company, the party of the first part, and the United States, represented by the Secretary of the Navy, the party of the second part.

EQUIPMENT: Toward the completion of the equipment outfit of the new vessels heretofore authorized, four hundred thousand dollars.

Approved, June 7, 1900.

FIFTY-SIXTH CONGRESS, SECOND SESSION—MARCH 3, 1901.

[PUBLIC—No. 157.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and two, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

PAY OF THE NAVY.

A provision: “ * * * Fifty thousand dollars is hereby made immediately available for pay of additional men and warrant machinists: *Provided*, That officers of the Navy, and officers and enlisted men of the Marine Corps, who have been detailed, or may hereafter be detailed, for shore duty in Alaska, the Philippine Islands, Guam, or elsewhere beyond the continental limits of the United States, shall be considered as having been detailed for “shore duty beyond seas,” and shall receive pay accordingly, with such additional pay as may be provided by law for service in island possessions of the United States.

Officers, duty in Alaska and Philippines, pay for.

“That the advancement in rank of officers of the Navy and Marine Corps, whensoever made, for service rendered during the war with Spain, pursuant, respectively, to the provisions of sections fifteen hundred and six and sixteen hundred and five of the Revised Statutes, shall not interfere with the regular promotion of officers otherwise entitled to promotion, but officers so advanced, by reason of war service, shall, after they are promoted to higher grades, be carried thereafter as additional to the numbers of each grade to which they may at any time be promoted; and each such officer shall hereafter be promoted in due course, contemporaneously with and to take rank next after the officer immediately above him; and all advancements made by reason of war service shall be appropriately so designated upon the official Navy list: *Provided, however*, That no promotion shall be made to fill a vacancy occasioned by the promotion, retirement, death, resignation, or dismissal of any officer who, at the time of such promotion, retirement, death, resignation, or dismissal, is an additional member of his grade under the foregoing provisions.”

Advancement in rank.

Promotions of.

BUREAU OF NAVIGATION.

To reimburse the appropriation “Naval training station, California, nineteen hundred and one,” for the cost

of securing a supply of fresh water from Oakland, California, six thousand four hundred and fifty-nine dollars and thirty-two cents, to be immediately available.

* * * * *

Civilian lecturers at War College.

For the services of a lecturer on international law, one thousand dollars; for the services of civilian lecturers from universities and colleges rendered at the War College, six hundred dollars, and for the purchase of books of reference, four hundred dollars; in all, two thousand dollars.

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BUREAU OF ORDNANCE.

* * * * *

Gun factory workshop.

For "new and improved machinery for existing shops of the naval gun factory at the Washington Navy-Yard, fifty thousand dollars."

For new and improved machinery for the proposed new workshop at the Washington Navy-Yard, estimated for by the Bureau of Yards and Docks, one hundred thousand dollars.

Coal machinery.

For automatic coal-conveying machinery and apparatus complete for the boiler-house stokers at the naval gun factory, nine thousand eight hundred and forty-nine dollars.

Forge shop.

For equipment of the forge shop at the naval gun factory after extension and remodeling, as estimated for by the Bureau of Yards and Docks, including twenty-five ton crane and runways, steam hammer, small hammers, piping, wiring, and motors, forty thousand dollars.

Workshops.

Tools, machinery, and motive power for ordnance workshops and gun-carriage buildings at the navy-yard, Mare Island, California, twenty-four thousand dollars.

Battery for Baltimore.

For new and improved battery for the Baltimore, one hundred and seventy-five thousand dollars.

* * * * *

Marine Corps.

For arms and equipment of United States Marine Corps: "For small arms, machine and rapid-fire guns, accouterments, and ammunition therefor, for use of the United States Marine Corps, one hundred thousand dollars."

Naval proving ground.

NAVAL PROVING GROUND: For the purchase of additional land for the naval proving ground at Indian Head, twenty-five thousand dollars.

Ammunition lighter.

NAVAL STATION, PUGET SOUND, WASHINGTON: For purchase of an ammunition lighter for ordnance purposes at the naval station, Puget Sound, eighteen thousand dollars.

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BUREAU OF EQUIPMENT.

DEPOTS FOR COAL:

A Provision: To enable the Secretary of the Navy "to acquire land for a naval station and harbor and channel defense at Pearl Harbor, Hawaii, * * *"

Pearl Harbor
Naval Station.

For maintenance of colliers, nineteen hundred and two: "For pay, transportation, shipping, and subsistence of civilian officers and crews of naval colliers, and all expenses connected with naval colliers employed in emergencies which can not be paid from other appropriations, three hundred and fifty thousand dollars."

Colliers,
maintenance
of.

PUBLIC WORKS, BUREAU OF YARDS AND DOCKS, NAVY-YARDS AND STATIONS, NAVAL ACADEMY, AND NEW NAVAL OBSERVATORY.

NAVY-YARD, PORTSMOUTH, NEW HAMPSHIRE: Quay wall, to extend, fifty thousand dollars; grading, to continue, twenty-five thousand dollars; railroad and rolling stock, additions, ten thousand dollars; sewer systems, extensions, nine thousand dollars; water systems, extensions, six thousand dollars; latrines, two thousand dollars; extension of office building for construction and repair, and for fireproof construction, twenty thousand dollars; floating derrick, twenty thousand dollars; coal storage at electric and dry dock plants, ten thousand dollars; repairing reservoir and cleaning ponds, two thousand dollars; reconstructing building numbered sixty for boat shop and storage, seventy thousand dollars; improvement to ship-fitters' shop, numbered forty-five, twenty thousand dollars; coal storage near building numbered forty-six, eight thousand five hundred dollars; storehouse for general supplies (to cost not more than one hundred and fifty thousand dollars, for which contract is hereby authorized), seventy-five thousand dollars; office building for steam engineering, fifteen thousand dollars; elevators in storehouses numbered one and two, eight thousand dollars; improvements to ordnance building numbered twenty-two, ten thousand eight hundred and fifty dollars; tools for yards and docks, two thousand dollars; elevator, shelves, and so forth, for yard dispensary, five hundred dollars; to enable the Secretary of the Navy to prepare specifications and obtain proposals from responsible contractors for removing Henderson's Point, so as to improve the approach to the navy-yard at Portsmouth, New Hampshire, to a depth of not exceeding thirty-five feet below mean low water for a distance of not exceeding three hundred and fifty feet, the proposals to be submitted to Congress at its next ses-

Portsmouth.

sion, one thousand dollars; in all, three hundred and sixty-four thousand eight hundred and fifty dollars.

Boston.

NAVY-YARD, BOSTON, MASSACHUSETTS: Ship-fitters' shop, toward completion, fifty thousand dollars; metal workers' shop toward completion, fifty thousand dollars; refitting and improving machine shop numbered one, building forty-two, to complete, fifty thousand dollars; new piers and wharves, twenty-five thousand dollars; paving, twenty-five thousand dollars; dredging, twenty-five thousand dollars; electric elevators, ten thousand dollars; smithery for construction and repair, toward completion, fifty thousand dollars; fire-protection system, fifty-two thousand dollars; sawmill and spar shed (to cost not more than two hundred thousand dollars, for which contract is hereby authorized), seventy-five thousand dollars; repairs to large chimney, building numbered forty-two, eight thousand dollars; water-closets for building numbered forty-two, two thousand five hundred dollars; coal storage for steam engineering, five thousand dollars; central heating system, thirty-five thousand dollars; water system, extensions, ten thousand dollars; sewer system, extensions, five thousand dollars; electric-light plant, extensions, six thousand dollars; railroad system, extensions, six thousand dollars; coal-storage and coal-handling plant, extensions, thirty-five thousand dollars; extension of naval prison, to be immediately available, twenty-six thousand five hundred dollars; in all, navy-yard, Boston, five hundred and fifty-one thousand dollars.

New York.

NAVY-YARD, NEW YORK, NEW YORK: Reconstructing building numbered twenty-one for boathouse, to complete, to be immediately available, eighty-five thousand dollars; paving and grading, twenty thousand dollars; granite and concrete dry dock, to continue, three hundred thousand dollars; fire-protection system, sixty thousand dollars; dredging, twenty-five thousand dollars; coal-storage and coal-handling plant, one hundred thousand dollars; railroad system, extensions, fifteen thousand dollars; piers on Cob Dock, eighty-eight thousand dollars; ordnance storehouse on Cob Dock, ninety thousand dollars; slip for ordnance, Cob Dock, fifty thousand dollars; elevator and stair railings, oil storehouse numbered one hundred and twenty, three thousand five hundred dollars; electric motors for building numbered two, two thousand five hundred dollars; extending building numbered twenty-three, thirty thousand dollars; reconstructing building numbered nineteen (to cost not more than one hundred and eighty-five thousand dollars, for which contract is hereby authorized), one hundred thousand dollars; quay wall, Cob Dock, extension, forty thousand dollars; in all, navy-yard, New York, New York, one million and nine thousand dollars.

NAVY-YARD, LEAGUE ISLAND, PENNSYLVANIA: Extension of reserve basin, to continue dredging, fifty thousand dollars; electrical workshop and storehouse for equipment, to complete, to be immediately available, thirty-three thousand dollars; to continue retaining wall about reserve basin, fifty thousand dollars; grading and paving, fifteen thousand dollars; machine shop for steam engineering, to complete, seventy-five thousand dollars; foundry and coppersmith shop for steam engineering, to complete, fifty-eight thousand dollars; boiler and blacksmith shop for steam engineering, to complete, fifty-eight thousand dollars; plumbers and coppersmiths' shop and foundry for construction and repair, to complete, forty-three thousand eight hundred and eighty dollars; block, cooper, and spar shops for construction and repair, to complete, fifty-three thousand four hundred dollars; extension of pier numbered two, fifty-nine thousand dollars; storehouse for naval supplies (to cost not more than two hundred and twenty-four thousand six hundred and forty dollars, for which contract is hereby authorized), seventy-five thousand dollars; workshop and boiler house for ordnance, to extend, forty-two thousand dollars; equipment for railroad, ten thousand dollars; sewers, eight thousand five hundred dollars; roadway and retaining wall at yard entrance, twenty-five thousand dollars; heating apparatus for building numbered eight, four thousand eight hundred dollars; railroad-track scales, three thousand four hundred dollars; extension of sea wall, eleven thousand dollars; parapet in front of officers' quarters, three thousand dollars; electric elevators, seven thousand two hundred and fifty dollars; outbuildings and fences, officers' quarters, two thousand dollars; garbage-incinerating plant, eight thousand dollars; in all, navy-yard, League Island, six hundred and ninety-five thousand two hundred and thirty dollars.

League Island.

NAVY-YARD, WASHINGTON, DISTRICT OF COLUMBIA: Paving, twenty-five thousand dollars; underground conduit system, to complete, twenty-two thousand dollars; electric-light plant, to extend, twenty thousand dollars; miscellaneous shop for ordnance, eighty-six thousand three hundred dollars; seamen gunners' shop, forty thousand dollars; alterations and new roof, ordnance boiler house, forty-two thousand six hundred dollars; fireproof storage for fuses, acids, paints, and so forth, nine thousand dollars; extension and remodeling of forge shop, seventy-three thousand three hundred and ten dollars; in all, navy-yard, Washington, three hundred and eighteen thousand two hundred and ten dollars.

Washington.

NAVY-YARD, NORFOLK, VIRGINIA: Concrete and granite dry dock, to continue, three hundred thousand dollars; paving and grading, to continue, fifteen thousand dollars; sewers, five thousand dollars; quay wall for fitting-

Norfolk.

out basin, to continue, seventy-five thousand dollars, to be immediately available; mooring slips at Saint Helena, forty thousand dollars; locomotive crane track, renewing, fifteen thousand dollars; railroad tracks, ten thousand dollars; alterations in plumbers' shop, building numbered nine, ten thousand dollars; machinery and tools for yards and docks, two thousand dollars; railroad rolling stock, three thousand dollars; telephone system, one thousand dollars; pattern shop and storehouse, thirty thousand dollars; bridge between buildings numbered thirty-two and thirty-three, seven hundred and sixty dollars; fire-proof shed for painting and storage of canvas, five thousand dollars; shops and storehouse for equipment, eighty thousand dollars; anchor park, two thousand five hundred dollars; in all, navy-yard, Norfolk, Virginia, five hundred and ninety-four thousand two hundred and sixty dollars.

Key West. NAVAL STATION, KEY WEST, FLORIDA: Storehouse for supplies and accounts, sixty thousand dollars; storehouse for oils, turpentine, and so forth, five thousand dollars; smith shop, for steam engineering, eight thousand dollars; elevated tank for storing fresh water, six thousand dollars; filling, grading, and fencing, ten thousand dollars; quay wall, fifty thousand dollars; fire-protection system, five thousand dollars; in all, naval station, Key West, one hundred and forty-four thousand dollars.

Mare Island. NAVY-YARD, MARE ISLAND, CALIFORNIA: Joiner shop for construction and repair, to complete, fifty thousand dollars; to continue quay wall, fifty thousand dollars; to continue dredging, fifty thousand dollars; paving, twenty-five thousand dollars; sewers and closets, five thousand dollars; storage shed for yards and docks, extension, five thousand dollars; storehouse for supplies and accounts, extension, forty thousand dollars; extension and renewal of railroad, five thousand dollars; offices for yards and docks, two thousand dollars; fire-protection system, forty-two thousand dollars; floor for building numbered fifty-two, five thousand dollars; improvements to forty-ton crane, three thousand dollars; drill room at receiving ship, nine thousand dollars; fence at northern end of yard, three thousand five hundred dollars; shelter roof for boats, improvements to, three thousand one hundred dollars; laboratory in building numbered fifty-one, one thousand five hundred dollars; new floor for building numbered fifty-three, two thousand dollars; improvements to building numbered sixty-nine, one thousand and fifty dollars; improvements to building numbered seventy-one, three thousand eight hundred and sixty dollars; testing room for construction and repair, six hundred and fifty dollars; pumping and fire boat, twenty-five thousand dollars; in all, navy-yard, Mare Island, three hundred and thirty-one thousand six hundred and sixty dollars.

NAVAL STATION, PUGET SOUND, WASHINGTON: Sewers, extensions, four thousand dollars; to continue grading, twenty thousand dollars; coal shed and appliances, seventy-five thousand dollars; sick quarters, seven thousand dollars; carpenter and joiner shop for yards and docks, ten thousand dollars; machinery for carpenter and joiner shop, three thousand dollars; extension of dry dock boiler plant, twenty thousand dollars; stable and tool shed, six thousand five hundred dollars; fire-protection system, ten thousand dollars; electric-light plant, extensions, five thousand dollars; telephone system, extensions, three thousand dollars; railroad and equipment, extensions, two thousand dollars; clearing and stumping, five thousand dollars; roadway about dry dock, six thousand dollars; dolphins, one thousand dollars; new skylight for construction and repair shop, four thousand dollars; joiner shop for construction and repair, seventy thousand dollars; water-closets and wash room for steam engineering, two thousand dollars; floor for steam-engineering shop, ten thousand dollars; storehouse for high explosives, ordnance, five thousand dollars; wharf crane for ordnance, one thousand five hundred dollars; quarters for gunner, three thousand dollars; in all, naval station, Puget Sound, Washington, two hundred and seventy-three thousand dollars.

Puget Sound.

NAVAL STATION, SAN JUAN, PORTO RICO: Coaling facilities, extensions, forty thousand dollars.

San Juan.

NAVY-YARD, PENSACOLA, FLORIDA: Motor for building numbered nine, one thousand five hundred dollars; extension of permanent wharf, fifteen thousand dollars; coal-storage plant, increase, twenty-five thousand dollars; in all, navy-yard, Pensacola, forty-one thousand five hundred dollars.

Pensacola.

NAVAL STATION, ALGIERS, LOUISIANA: Shops and offices for equipment, eighty thousand dollars; coal-storage plant, one hundred and fifty thousand dollars; for purchase of land, one hundred thousand dollars; in all, naval station, Algiers, three hundred and thirty-thousand dollars: *Provided*, That the Secretary of the Navy may, if he deems it for the best interests of the United States, proceed and acquire title to the land herein authorized to be purchased by condemnation thereof, by judicial proceedings to be commenced in the appropriate circuit court of the United States, which court shall, for the purpose of ascertaining the true value of the said land and buildings, appoint three commissioners, who shall be competent and disinterested appraisers, and all the proceedings for the condemnation aforesaid shall be in accordance, except as herein provided, with the act of Congress of August first, eighteen hundred and eighty-eight, entitled "An act to authorize condemnation of land for sites of public buildings, and for other purposes."

Algiers.

Dry Tortugas. DREDGING, DRY TORTUGAS, FLORIDA: Dredging channel, one hundred thousand dollars.

FOUR DRY DOCKS: Toward completion of dry docks at navy-yards: Portsmouth, New Hampshire; Boston, Massachusetts; League Island, Pennsylvania, and Mare Island, California, one million dollars.

Pearl Harbor. NAVAL STATION, HAWAII: Machine shop, fifty thousand dollars; smithery and foundry, twenty-five thousand dollars; commandant's house and stables, fifteen thousand dollars; extending office building, three thousand dollars; cottage for watchman, two thousand five hundred dollars; grading and fencing, ten thousand dollars; ten-ton wharf crane, eight hundred dollars; water-pipe system, one thousand dollars; in all, naval station, Hawaii, one hundred and seven thousand three hundred dollars.

Tutuila. NAVAL STATION, TUTUILA: Coal-storage plant, extensions, two hundred thousand dollars; grading, twenty-five thousand dollars; in all, naval station, Tutuila, two hundred and twenty-five thousand dollars.

Charleston. NAVAL STATION, CHARLESTON, SOUTH CAROLINA: Dry dock, authorized by act of June seventh, nineteen hundred, which shall be of concrete and stone, to cost not more than one million two hundred and fifty thousand dollars, for which contract is hereby authorized, one hundred and fifty thousand dollars; and all appropriations for public works at the naval station, Port Royal, made prior to the act of June seventh, nineteen hundred, which have not been expended are hereby authorized to be expended for the transfer of such station to and the construction of public works at the naval station, Charleston, South Carolina, in the discretion of the Secretary of the Navy.

* * * * *

Additional draftsmen, etc. The Secretary of the Navy may employ and pay out of appropriations for "Public Works, Navy-Yards, and Stations," such additional expert aids, draftsmen writers, and copyists as may be necessary for the preparation of plans and specifications.

Porto Rico, naval station, location of. The Secretary of the Navy is hereby directed to have the coast and the waters of the island of Porto Rico examined into and to report to the next Congress upon the advisability of establishing a United States naval station on said coast: the most suitable place for the same, considering, among other things, the topographical and strategic situation of this island with reference to the United States and the proposed Nicaragua Canal, and the estimated immediate cost of the same.

Naval station, Philippines, location of. The Secretary of the Navy is hereby directed to have the coast and the waters of the Philippine Islands examined into and to report to the next Congress upon the advisability of establishing a United States naval station on said coast and the most suitable place for the same.

Fog establishing and marking the boundary line of the property of the Government on Blythe Island, in the State of Georgia, to lay out a rifle range upon the same, and construct a boat landing, two thousand dollars; and the Secretary of the Navy is hereby directed to report to the next Congress as to the condition and extent of any Government property at said Blythe Island, Georgia; whether the title to the same is good, and whether it is adapted to the necessary wants of the Navy Department.

Rifle range.
Blythe Island.

PUBLIC WORKS—BUREAU OF NAVIGATION.

NAVAL ACADEMY: Buildings and grounds, Naval Academy: Toward the construction of buildings, and for other necessary improvements, at the Naval Academy, Annapolis, Maryland, as authorized by the act of Congress approved June seventh, nineteen hundred, and in accordance with the plans approved by the Secretary of the Navy, nineteen hundred, three million dollars.

Naval Academy.

Provided, That the Secretary of the Navy may, if he deems it for the best interests of the United States, proceed and acquire title to the land and buildings authorized to be purchased under the act of Congress approved June seventh, nineteen hundred, by condemnation thereof by judicial proceedings to be commenced in the appropriate circuit court of the United States, which court shall, for the purpose of ascertaining the true value of the said land and buildings, appoint three commissioners, who shall be competent and disinterested appraisers, and all the proceedings for the condemnation aforesaid shall be in accordance, except as herein provided, with the act of Congress of August first, eighteen hundred and eighty-eight, entitled "An act to authorize condemnation of land for sites of public buildings, and for other purposes."

Land, purchase of.

NAVAL TRAINING STATION, CALIFORNIA (BUILDINGS): Swimming tank, four thousand five hundred dollars; revetting main road, one thousand five hundred dollars; in all, six thousand dollars.

Naval training station, California.

NAVAL TRAINING STATION, RHODE ISLAND (BUILDINGS): Extending and completing breakwater and sea wall, and filling in in front of new barracks, to be immediately available, nineteen thousand five hundred dollars; making roads and sidewalks, and paving approaches to new barracks, four thousand seven hundred dollars; coal shed and coal-handling appliances, three thousand five hundred dollars; reclaiming bay at south end of island, building sea wall, and repairing sea wall, and repairing and extending wharf, seven thousand nine hundred dollars; for erection of a house and necessary appurtenances over swimming tank, now under construction for apprentices, to be immediately available, three thousand five hundred dollars; for extending capacity of storehouse to include fireproof oil rooms fitted with steel storage tanks, and

to outfit building with lighting, plumbing, and heating systems and fireproof shelving, partitions, and lockers, to be immediately available, nine thousand eight hundred and seventy dollars; reclaiming two stagnant water basins and leveling bank near the hospital, three thousand two hundred dollars; in all, naval training station, Rhode Island, fifty-two thousand one hundred and seventy dollars.

In all, "Public Works, Bureau of Navigation," three million fifty-eight thousand one hundred and seventy dollars.

PUBLIC WORKS—BUREAU OF ORDNANCE.

Naval magazines, Iona Island.

NAVAL MAGAZINE, IONA ISLAND, NEW YORK: For additional buildings, extension of railroad to northwestern end of island, grading, sea wall, and general improvements, one hundred thousand dollars.

Dover.

Naval magazine, Dover, New Jersey: Improvements at the naval magazine, Dover, New Jersey, including a fixed-ammunition house, a shell house, clearing and grading land, road building, and general improvements, including a compressed-air plant and air locomotive, sixty-five thousand dollars.

Fort Mifflin.

Naval magazine, Fort Mifflin, Pennsylvania: For one magazine and one shell house at the naval magazine, Fort Mifflin, Pennsylvania, with track connections, lightning conductors, and the necessary appurtenances, fifty-six thousand dollars.

Norfolk.

Naval magazine, Norfolk, Virginia: For improvements at the naval magazine, Saint Juliens Creek, near Norfolk, Virginia, namely: Shell house, store or issuing house, wharf, derrick, lightning conductors, cistern, railroad extension, grading, concreting, and other necessary objects to properly complete the work, sixty thousand five hundred dollars.

Torpedo station.

Naval torpedo station, Newport, Rhode Island: One administration building for use in instruction of classes of enlisted men and officers, to contain offices, lecture rooms, overhauling room, and storeroom for torpedoes, to be immediately available, twenty-five thousand dollars; in all, naval torpedo station, Newport, Rhode Island, twenty-five thousand dollars.

Proving ground.

Naval proving ground, Indian Head, Maryland: One building for chronograph and record office, four thousand dollars; one building for surgeon's office and dispensary, and equipment of same, seven thousand six hundred dollars; in all, naval proving ground, Indian Head, eleven thousand six hundred dollars.

In all, public works, Bureau of Ordnance, three hundred and eighteen thousand one hundred dollars.

Naval Observatory.

NAVAL OBSERVATORY: For grounds and roads: Continuing grading, extending roads and paths, clearing and improving grounds, ten thousand dollars; for the purchase of lands lying within the Observatory circle, as

established by the joint resolution of August first, eighteen hundred and ninety-four, one hundred and forty-nine thousand five hundred and seventy-one dollars and eight cents; and the Secretary of the Navy is authorized to sell, at such time and in such manner as may be most advantageous, but at prices not less than those fixed in eighteen hundred and ninety-four, by the board of appraisers of which John W. Ross was chairman, such lands of the Naval Observatory reservation as are situated without the limits of said circle.

For the expenses of the board of visitors to the Naval Observatory, two thousand dollars. There shall be appointed by the President, by and with the advice and consent of the Senate, from persons not officers of the United States a board of six visitors to the Naval Observatory, four to be astronomers of high professional standing and two to be eminent citizens of the United States. Appointments to this board shall be made for periods of three years, but provision shall be made by initial appointments for shorter terms so that two members shall retire in each year. Members of this board shall serve without compensation, but the Secretary of the Navy shall pay the actual expenses necessarily incurred by members of the board in the discharge of such duties as are assigned to them by the Secretary of the Navy or are otherwise imposed upon them. The board of visitors shall make an annual visitation to the Observatory at a date to be determined by the Secretary of the Navy, and may make such other visitations not exceeding two in number annually by the full board or by a duly appointed committee as may be deemed needful or expedient by a majority of the board. The board of visitors shall report to the Secretary of the Navy at least once in each year the result of its examinations of the Naval Observatory as respects the condition of buildings, instruments, and apparatus, and the efficiency with which its scientific work is prosecuted, and shall also report as respects the expenditures in the administration of the Observatory. The board of visitors shall prepare and submit to the Secretary of the Navy regulations prescribing the scope of the astronomical and other researches of the Observatory and the duties of its staff with reference thereto. When an appointment or detail is to be made to the office of astronomical director, director of the Nautical Almanac, astronomer, or assistant astronomer, the board of visitors may recommend to the Secretary of the Navy a suitable person to fill such office, but such recommendation shall be determined only by the majority vote of the members present at a regularly called meeting of the board held in the city of Washington. The Superintendent of the Naval Observatory shall be, until further legislation by Congress, a line officer of the Navy of a rank not below that of captain.

Board of
Visitors.

BUREAU OF MEDICINE AND SURGERY.

Naval hospital, Newport, Rhode Island, improvements.

* * * * *

For naval hospital, Newport, Rhode Island: "Filling pond, grading grounds, and additional appropriation for addition to naval hospital at naval training station, Newport, Rhode Island, twenty thousand dollars, to be immediately available."

* * * * *

BUREAU OF CONSTRUCTION AND REPAIR.

Naval station, Philippines, location of.

* * * * *

The Secretary of the Navy is hereby directed to have the coast and the waters of the Philippine Islands examined into and to report to the next Congress upon the advisability of establishing a United States naval station on said coast and the most suitable place for the same.

* * * * *

STEAM ENGINEERING.

Machinery plants: League Island.

* * * * *

MACHINERY PLANT: Navy-yard, League Island, Pennsylvania: To equip the entire new system of steam engineering shops, being constructed under appropriation made to the Bureau of Yards and Docks, for building and repairing modern marine machinery, including the power plant and necessary machine tools, cranes, and appliances for handling work, to cost not more than two hundred and thirty thousand dollars, one hundred thousand dollars.

Mare Island.

MACHINERY PLANT: Navy-yard, Mare Island, California: To equip the entire new system of steam engineering shops being constructed under appropriation made to the Bureau of Yards and Docks, for building and repairing modern marine machinery, including the power plant and necessary machine tools, cranes, and appliances for handling work, to cost not more than one hundred and eighty thousand dollars, one hundred thousand dollars.

* * * * *

NAVAL ACADEMY.

Special course of study for cadets.

* * * * *

For special course of study and training of naval cadets, * * *. For the purchase or construction of catboats for the special instruction of cadets, * * *.

REPAIRS, NAVAL ACADEMY: * * *. For "temporary quarters and recitation rooms for cadets, * * *."

Warrant officers, appointment of, as ensigns.

Provided, "whenever, in view of the vacancies in the grade of ensign on July thirtieth of any year unfilled by graduates of the Naval Academy, the Secretary of the Navy shall so recommend, the President may appoint to

that grade, as of July thirtieth, from among the boat-swains, gunners, or warrant machinists, not exceeding six in any one calendar year. No person shall be so appointed who is over thirty-five years of age; who has served less than six years as a warrant officer; who is not recommended by a commanding officer under whom he has served; nor until he shall have passed such competitive examination as may be prescribed by the Navy Department."

MARINE CORPS.

PROVISIONS, MARINE CORPS: * * * *Provided*, That when it is impracticable or the expense is found greater to supply marines serving on shore duty in the island possessions and on foreign stations with the army ration, such marines may be allowed the navy ration or commutation therefor. Navy rations issued to.

* * * * *
 Construction of marine barracks on the land attached to the Naval Academy, Annapolis, Maryland, seventy-five thousand dollars. Marine barracks and construction work.

Construction of commanding officer's and junior officers' quarters on the land attached to the Naval Academy, Annapolis, Maryland, ten thousand dollars. Naval Academy.

Construction of fireproof buildings for offices, headquarters Marine Corps, Washington, District of Columbia, fifty thousand dollars. Washington.

Construction of a marine barracks and officers' quarters at the naval station, Algiers, Louisiana, fifteen thousand dollars. Algiers, La.

Construction of a boiler house, lavatory, and connecting bridge, installation of steam heat, and addition of a third story over two wings of marine barracks, navy-yard, Brooklyn, New York, twenty-eight thousand dollars. Brooklyn.

* * * * *
 That hereafter the enlistments into the Marine Corps shall be for a period of not less than four years. Enlistment length of.

INCREASE OF THE NAVY.

That, for the purpose of further increasing the naval establishment of the United States, in accordance with the latest improvements in the construction of ships and the production of armor and armament therefor, the Secretary of the Navy is hereby directed to prepare the plans and specifications of two seagoing battle ships and two armored cruisers, carrying the most suitable armor and armament for vessels of their class, and to submit to Congress a general description of such battle ships and cruisers on the first Monday in December next; and said Secretary, in preparing said plans and description, shall review and further consider the questions whether said Two battle-ships and two armored cruisers.

ships should be sheathed or unsheathed; what should be the weight and extent of the armor therefor; what should be the form and location of the turrets; whether any changes should be made in the number and kind of guns of the various sizes heretofore constituting the armament of similar ships; what, if any, torpedo tubes should be built into large ships; to what extent electricity should be used for auxiliary purposes, and all other questions which have arisen and are now pending among naval architects and ordnance experts concerning the construction of battle ships and cruisers under modern conditions; and said Secretary shall, to such an extent as he may deem expedient, report to Congress in connection with said description his opinion upon the foregoing questions; and the Secretary of the Navy is hereby authorized to exercise his discretion as to the sheathing and copping of naval vessels herein and heretofore authorized to be built.

Penalties
remitted on
Ericsson.

That the Secretary of the Navy is hereby authorized and directed to remit to the Iowa Iron Works, of Dubuque, Iowa, the time penalties exacted by the Navy Department under the contract with said company for the construction of the torpedo boat Ericsson, the Government having suffered no damage by the delay in the construction, and a sum sufficient for that purpose is hereby appropriated, out of any money in the Treasury not otherwise appropriated, not exceeding, however, the sum of seventeen thousand two hundred and twenty-five dollars.

Construction
and machinery.

CONSTRUCTION AND MACHINERY: On account of the hulls and outfits of vessels and steam machinery of vessels heretofore authorized, twenty-one million dollars.

Armor and
armament.

ARMOR AND ARMAMENT: Toward the armament and armor of domestic manufacture for the vessels authorized by the act of June tenth, eighteen hundred and ninety-six; those authorized by the act of March third, eighteen hundred and ninety-seven; for those authorized by the act of May fourth, eighteen hundred and ninety-eight; for those authorized by the act of March third, eighteen hundred and ninety-nine, and for those authorized by the act of June seventh, nineteen hundred, four million dollars.

Equipment.

EQUIPMENT: Toward the completion of the equipment outfit of the new vessels heretofore authorized, four hundred thousand dollars.

Assignments
to command,
classification
of vessels and
rules govern-
ing.

That the President of the United States be, and he is hereby, authorized to establish, and from time to time to modify, as the needs of the service may require, a classification of vessels of the Navy, and to formulate appropriate rules governing assignments to command of vessels and squadrons.

Approved, March 3, 1901.

FIFTY-SEVENTH CONGRESS, FIRST SESSION—JULY 1, 1902.

[PUBLIC—No. 234.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and three, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

CONTINGENT, NAVY: * * *. Provides "that the unexpended balance of the appropriation of ten thousand dollars made in the act approved June seventh, nineteen hundred, to enable the Secretary of the Navy, in his discretion, to cause to be transported to their homes the remains of officers and enlisted men of the Navy and Marine Corps who die or are killed in action, ashore or afloat, outside of the continental limits of the United States, be, and the same is hereby, made available until used.

Transportation of remains of officers and enlisted men.

EMERGENCY FUND, NAVY DEPARTMENT.

* * * *Provided*, That the accounting officers of the Treasury are hereby authorized and directed to allow, in the settlement of the accounts of disbursing officers involved, payments made under the appropriation "Emergency fund" to civilian employees appointed by the Navy Department for duty in and serving at naval stations maintained in the island possessions during the fiscal year nineteen hundred and two, and until such time as Congress shall make specific appropriation for the pay of such employees.

Civilian employees, pay of, in island possessions.

The Secretary of the Navy, in his discretion, is authorized to pay all civilian employees appointed for duty in the Philippine, Hawaiian, and Samoan islands, the island of Guam, and the island of Porto Rico, from the date of their sailing from the United States until they report for duty to the officer under whom they are to serve, and while returning to the United States by the most direct route and with due expedition, a per diem compensation corresponding to their pay while actually employed; and in cases where the appointee is not to fill an existing vacancy his pay while traveling may be charged to the annual appropriation of the bureau concerned.

BUREAU OF NAVIGATION.

* * * * *
For outfits on first enlistment: "Outfits for all enlisted men of the Navy on first enlistment, other than outfits for enlisted men."

naval apprentices, hospital apprentices, and landsmen under training for seamen, three thousand men, at forty-five dollars each, one hundred and thirty-five thousand dollars.”

Naval training station on Great Lakes.

* * * * *

For naval training station, Great Lakes: “The Secretary of the Navy is hereby directed to appoint a board, composed of naval officers, whose duty it shall be to select on the Great Lakes a suitable site for an additional naval training station, and, having selected such site, if upon private lands, to estimate its value and ascertain, as nearly as practicable, the cost for which it can be purchased or acquired, and of their proceedings and actions to make full and detailed report to the Secretary, who shall transmit such report with his recommendations thereon to Congress for its action. And to defray the expenses of said board the sum of five thousand dollars, or so much thereof as may be necessary, to be immediately available, is hereby appropriated, out of any moneys in the Treasury not otherwise appropriated.

Repairs.

NAVAL WAR COLLEGE, RHODE ISLAND: * * *. For “General repairs to woodwork, and so forth, minor alterations in quarters, and necessary renewals of furniture, two thousand six hundred dollars; installing lightning protection for college building, four hundred and forty-six dollars and twenty-five cents; * * *.”

BUREAU OF ORDNANCE.

ORDNANCE AND ORDNANCE STORES: * * *.

Newark.

For “new and improved battery for the Newark, one hundred and seventy-five thousand dollars.”

New Orleans.
Albany.

New and improved batteries for the New Orleans and Albany, two hundred thousand dollars.

Miscellaneous improvements.

New York.

Equipment of new storehouse already authorized on the ordnance dock at the New York Navy-Yard, including crane supports and runways, traveling crane, freight elevators, gun skids and appliances for handling guns, eleven thousand dollars.

Washington.

Erection of a steel-casting plant at the naval gun factory, Washington, District of Columbia, ten thousand dollars.

Equipments for the chemical and physical laboratory at the naval gun factory, Washington, District of Columbia, five thousand dollars.

Pensacola.

Purchase and installation of machine tools for ordnance purposes at the navy-yard, Pensacola, Florida, twelve thousand dollars.

Puget Sound.

Purchase and installation of machine tools and motive power in ordnance workshops already authorized at navy-yard, Puget Sound, Bremerton, Washington, fifty thousand dollars.

* * * * *

RESERVE GUNS FOR SHIPS OF THE NAVY: The purchase and manufacture of reserve guns for ships of the Navy, two hundred and fifty thousand dollars. Reserve guns.

That the unexpended balance remaining in the Treasury on June thirtieth, nineteen hundred and two, from the appropriation "Ordnance and ordnance stores," nineteen hundred, or so much thereof as may be necessary, is hereby reappropriated and made available during the fiscal year ending June thirtieth, nineteen hundred and three, for expenditure in fulfillment of contracts heretofore made and properly chargeable to said appropriation. Unexpended balance of appropriation.

* * * * *

BUREAU OF EQUIPMENT.

DEPOTS FOR COAL: * * * *Provided,* That the accounting officers of the Treasury Department are hereby authorized and directed to allow, in the settlement of the accounts of disbursing officers of the Government, all expenditures heretofore made for land purchased for use as naval coal depots. Purchase of land for coal depots.

* * * * *

BUREAU OF YARDS AND DOCKS.

That the appointment of six additional civil engineers is hereby authorized, three to be appointed during the present calendar year, and the other three in the calendar year of nineteen hundred and three. Six additional civil engineers authorized.

PUBLIC WORKS, BUREAU OF YARDS AND DOCKS, NAVY-YARDS AND STATIONS, NAVAL ACADEMY, AND NEW NAVAL OBSERVATORY.

NAVY-YARD, PORTSMOUTH, NEW HAMPSHIRE: Quay wall, to extend, seventy-five thousand dollars; grading, to continue, fifty thousand dollars; railroad and rolling stock, additions, ten thousand dollars; sewer systems, extensions, four thousand dollars; water systems, extensions, four thousand dollars; latrines, six thousand dollars; storehouse for general supplies, to complete, seventy-five thousand dollars; tools for yards and docks, four thousand dollars: locomotive crane and track, thirty-five thousand dollars; electric plant, extensions, twenty-five thousand dollars; telephone system, extensions, one thousand five hundred dollars; central heating plant, twenty-two thousand dollars; piers and slips, fifty thousand dollars, landing floats, one thousand eight hundred dollars; underground conduit system, to continue, twenty thousand dollars; office, drafting, and testing rooms for yards and docks, four thousand dollars; machine shop for Portsmouth.

equipment, extension of, thirteen thousand seven hundred and seventy-five dollars; chain shed and rigging loft for equipment, fifty thousand dollars; machine shop for steam engineering, extension of, fifty thousand dollars; power house and stack for steam engineering, thirty-five thousand dollars; steel-plant building for construction and repair (to cost not to exceed one hundred and fifty thousand dollars), fifty thousand dollars; new floor in building numbered seven, thirty thousand dollars; elevator and fittings, machine shop for equipment, six thousand dollars; fire-protection system, to complete, fifty thousand dollars; to enable the Secretary of the Navy to make an examination concerning the fresh-water supply at the Portsmouth Navy-Yard, five hundred dollars, or so much thereof as may be needed, said examination to include a survey of the ponds which constitute the sources of the aqueduct, an ascertainment of the quality of the water, an inquiry as to its sufficiency for all future needs, and an estimate of the value of the aqueduct, dams, and ponds; and said Secretary shall consider the desirability of controlling, by purchase or otherwise, solely for the use of the Government, the whole water supply, and he shall make such recommendations on the subject as he may deem expedient to Congress at its next session; for the removal of Hendersons Point, near the navy-yard, Portsmouth, New Hampshire, in accordance with the project recommended in House Document Numbered Two hundred and forty-three, Fifty-seventh Congress, first session, two hundred thousand dollars, to be expended under the direction of the Secretary of the Navy: *Provided*, That a contract or contracts may be entered into by the Secretary of the Navy for such materials and work as may be necessary to prosecute said project, to be paid for as appropriations may from time to time be made by law, not to exceed in the aggregate five hundred and forty-nine thousand dollars, exclusive of the amounts herein and heretofore appropriated; in all, eight hundred and seventy-two thousand five hundred and seventy-five dollars.

Boston.

NAVY-YARD, BOSTON, MASSACHUSETTS: Ship-fitters' shop, to complete, fifty thousand dollars; metal workers' shop, to complete, fifty thousand dollars; piers and wharves, extensions, seventy-five thousand dollars; smithery for construction and repair, to complete, fifty thousand dollars; sawmill and spar shed, to complete, one hundred and twenty-five thousand dollars; water-closets for building numbered forty-two, additional, two thousand five hundred dollars; water system, extensions, ten thousand dollars; sewer system, extensions, ten thousand dollars; electric-light plant, extensions, ten thousand dollars; extension of naval prison, sixty thousand dollars; electric crane, steam engineering brass foundry, ten thousand dollars; culvert between dry docks, forty-

one thousand two hundred dollars; forty-ton locomotive crane, forty thousand dollars; track for traveling crane, fifty-five thousand dollars; water-closets, additional, two thousand five hundred dollars; underground conduit system, forty-two thousand five hundred dollars; crane for yards and docks power house, seven thousand dollars; dispensary, twelve thousand dollars; fireproof floor in anchor and chain shed, twenty thousand dollars; forge shop, interior fittings for, five thousand dollars; erecting one-hundred-ton shears, five thousand dollars; paving, to continue, twenty thousand dollars; in all, navy-yard, Boston, seven hundred and two thousand seven hundred dollars.

Naval Station, New London, Connecticut: Sea wall, sixteen thousand dollars; coaling plant, extensions, twenty-five thousand dollars; in all, forty-one thousand dollars.

New London.

NAVY-YARD, NEW YORK, NEW YORK: Paving and grading, to continue, twenty thousand dollars; dredging, to continue, twenty-five thousand dollars; coal-storage and coal-handling plant, extensions, one hundred thousand dollars; railroad system, extension, fifteen thousand dollars; extending building numbered forty-one, sixty thousand dollars; locomotive and car shed, twenty-five thousand dollars; improvements to building numbered one hundred and twenty, twenty-two thousand dollars; fittings for building numbered thirty-three, six thousand dollars; fittings and electric tower, building numbered twenty-two, twenty-seven thousand dollars; extending locomotive-crane track, twenty thousand dollars; electric plant, extensions, forty thousand dollars; electric-light system, extension on cob dock, twenty-eight thousand dollars; rebuilding crane track, dry dock numbered three, seventeen thousand dollars; extending building numbered one hundred and sixteen, ten thousand dollars; coal pocket and machinery for construction and repair, six thousand dollars; electric wiring, building numbered twenty-eight, six thousand dollars; storehouse for naval supply fund stores, to complete, fifty thousand dollars; new roof for steam-engineering foundry, twenty-two thousand dollars; to complete building numbered nineteen, sixty thousand dollars; extension to dispensary building, one thousand five hundred dollars; in all, navy-yard, New York, New York, five hundred and sixty thousand five hundred dollars.

New York.

NAVY-YARD, LEAGUE ISLAND, PENNSYLVANIA: To continue retaining wall about reserve basin, fifty thousand dollars; grading and paving, to continue, twenty-five thousand dollars; sewer system, extensions, five thousand dollars; electric plant, extensions, forty thousand dollars; railroad system, extensions, fifteen thousand dollars; officers' quarters, additional, eight thousand dollars; power house for construction and repair, fifty thousand

League Island.

dollars; angle smithery for construction and repair, to complete, fifteen thousand dollars; plate-bending shop for construction and repair, to complete, twenty-five thousand dollars; piers, extensions, sixty thousand dollars; locomotive-crane track, extensions, thirty thousand dollars; machinery foundations, steam engineering buildings, thirty-eight thousand eight hundred dollars; power house for steam engineering, forty-six thousand dollars; dredging, to continue, twenty-five thousand dollars; water-closets, additional, two thousand five hundred dollars; water system, extension, twelve thousand dollars; towards storehouse for naval supplies, seventy-five thousand dollars; in all, navy-yard, League Island, five hundred and twenty-two thousand three hundred dollars.

Washington.

NAVY-YARD, WASHINGTON, DISTRICT OF COLUMBIA: Gunners' storehouse, eighty-eight thousand dollars; copper-smith shop, thirty-two thousand dollars; bronzing and plating house, twenty thousand dollars; purchase of land, one hundred thousand dollars; in all, navy-yard, Washington, two hundred and forty thousand dollars.

Norfolk.

NAVY-YARD, NORFOLK, VIRGINIA: Paving and grading, to continue, fifteen thousand dollars; sewers, extensions, five thousand dollars; quay wall for fitting-out basin, to continue, one hundred and fifty thousand dollars; locomotive-crane track, to renew, fifteen thousand dollars; railroad tracks, extensions, six thousand dollars; machinery and tools for yards and docks, additional, three thousand dollars; railroad rolling stock, three thousand dollars; telephone system, extensions, one thousand five hundred dollars; locomotive crane, five thousand dollars; fittings for ordnance storehouse, thirty-five thousand dollars; fire-protection system, fifteen thousand dollars; fittings for yard dispensary, five hundred dollars; heating system, additions, five thousand dollars; electric plant, extensions, ten thousand dollars; remodeling machine shop for steam engineering, to complete, twenty-five thousand dollars; electric capstans for dry docks, five thousand dollars; electric drainage pump for dry docks, ten thousand dollars; steel storage building, thirty thousand dollars; construction of a bridge for naval hospital, five thousand dollars; in all, navy-yard, Norfolk, Virginia, three hundred and forty-four thousand dollars.

CONDEMNATION OF LAND ADJACENT TO THE NORFOLK NAVY-YARD.—The Secretary of the Navy be, and he is hereby, authorized, in his discretion, to cause to be commenced, within three months after the passage of this act, proceedings for the condemnation of the following tract of land, or so much thereof as he may deem necessary, for the use of the United States for the Norfolk Navy-Yard, and for other naval purposes, namely, a tract of land known as the Schmolles property, containing some two hundred and seventy-two and four-tenths acres, more or less, in Norfolk County, Virginia, and ad-

jacent to the Norfolk Navy-Yard, under the Act of Congress approved August first, eighteen hundred and eighty-eight, entitled "An act to authorize the condemnation of lands for sites of public buildings, and for other purposes," and other laws of the United States, so as to completely vest in the United States the title of said land. And all such proceedings shall be reported to Congress at its next session by the Secretary of the Navy.

NAVAL STATION, KEY WEST, FLORIDA: Quay wall, to continue, fifty thousand dollars; coaling pier, to complete, twenty-three thousand dollars; concrete cisterns, twenty thousand dollars; to complete purchase of land heretofore condemned and partially appropriated for, twenty-five thousand nine hundred and fifty dollars; in all, naval station, Key West, one hundred and eighteen thousand nine hundred and fifty dollars.

Key West.

NAVY-YARD, MARE ISLAND, CALIFORNIA: To continue quay wall, fifty thousand dollars; paving and grading, to continue, twenty-five thousand dollars; sewers and closets, additional, eight thousand dollars; railroad system, extensions, five thousand dollars; heating system, extension, six thousand dollars; machine shop numbered two, construction and repair, to complete, fifty thousand dollars; auxiliary machine shop, steam engineering, five thousand dollars; naval prison, extension, ten thousand dollars; dry dock water-closets and bath house, five thousand dollars; coal-handling machinery, thirty-two thousand dollars; improvements to building numbered forty-five, two thousand dollars; electric plant, extension, fifteen thousand dollars; telephone system, extension, one thousand dollars; boiler and pump for new caisson, three thousand five hundred dollars; improvements to building for storing and handling guns, six thousand dollars; to complete sawmill, boiler house, and steel chimney, two thousand dollars; in all, navy-yard, Mare Island, two hundred and twenty-five thousand five hundred dollars.

Mare Island.

NAVY-YARD, PUGET SOUND, WASHINGTON: Sewers, extensions, five thousand dollars; to continue grading, thirty thousand dollars; coal shed and appliances, including pier extensions, one hundred and fifty thousand dollars; fire protection system, extensions, three thousand five hundred dollars; electric-light plant, extensions, twenty thousand dollars; telephone system, extensions, two thousand dollars; railroad and equipment, extensions, twenty thousand dollars; purchase of land, four thousand dollars, or so much thereof as may be necessary; smithery for construction and repair, extension, forty thousand dollars; plate metal shop for construction and repair, fifty thousand dollars; addition to storehouse for supplies and accounts, fifty thousand dollars; boat shop for construction and repair (to cost not to exceed one hundred and fifty thousand dollars, for which con-

Puget Sound.

tract is hereby authorized), fifty thousand dollars; water-closets, two thousand five hundred dollars; power house for construction and repair, seventy thousand dollars; storehouse for steel, thirty-six thousand dollars; piers, seventy-five thousand dollars; roads and walks, fifteen thousand dollars; water system, extensions, five thousand dollars; locomotive crane, eight thousand five hundred dollars; foundry and coppersmith's shop (to cost not to exceed one hundred thousand dollars, for which contract is hereby authorized), fifty thousand dollars; boiler and blacksmith shop (to cost not to exceed one hundred thousand dollars, for which contract is hereby authorized), fifty thousand dollars; heating-system extensions, four thousand dollars; boiler stack and fittings for equipment shop, ten thousand dollars; quay wall, sixty thousand dollars; in all, navy-yard, Puget Sound, Washington, eight hundred and ten thousand five hundred dollars.

San Juan.

NAVAL STATION, SAN JUAN, PORTO RICO: Coaling facilities, extensions, fifty thousand dollars; in all, San Juan, Porto Rico, fifty thousand dollars.

Pensacola.

NAVY-YARD, PENSACOLA, FLORIDA: Track scales, two thousand five hundred dollars; in all, navy-yard, Pensacola, two thousand five hundred dollars.

New Orleans.

NAVAL STATION, NEW ORLEANS, LOUISIANA: Shops and offices for yards and docks, eighty thousand dollars; power house and plant, seventy-five thousand dollars; office building, thirty-five thousand dollars; quarters for commandant, ten thousand dollars; two officers' quarters, fourteen thousand dollars; storehouse, one hundred thousand dollars; sewer system, fifteen thousand dollars; water system, ten thousand dollars; in all, naval station, New Orleans, Louisiana, three hundred and thirty-nine thousand dollars.

Four dry docks, to complete.

FOUR DRY DOCKS: To complete dry docks at navy-yards: Portsmouth, New Hampshire; Boston, Massachusetts; League Island, Pennsylvania, and Mare Island, California, one million and fifty thousand dollars.

Tutuila.

NAVAL STATION, TUTUILA: One officers' quarters, five thousand dollars; office building, ten thousand dollars; roads and walks, five thousand dollars; grading and filling, thirty thousand dollars; telephone system, two thousand dollars; light-house, Aunuu Island, one thousand dollars; waterworks and accessories, five thousand dollars; purchase of additional land at Samoa, thirty-five thousand dollars; in all, naval station, Tutuila, ninety-three thousand dollars.

Port Royal.

PORT ROYAL NAVAL STATION, SOUTH CAROLINA: The Secretary of the Navy is directed to investigate and report to the next session of Congress the state and condition of the Government property at Port Royal, South Carolina; its value and the practicability of its removal to another navy-yard; also to what uses, if any, said buildings and property can be devoted; what changes would

be necessary for such purpose, and an estimate of cost therefor; also upon the advisability of selling and finally disposing of said property, and what price could probably be realized from such sale.

NAVY-YARD, CHARLESTON, SOUTH CAROLINA: Stone and concrete dry dock (toward completion), two hundred and fifty thousand dollars: *Provided*, That the amount authorized in the act of June seventh, nineteen hundred, to be expended for the purchase of a site for a naval station at or in the vicinity of Charleston, South Carolina, from the appropriation for a new naval station and a dock be increased from one hundred thousand dollars to one hundred and six thousand dollars, and six thousand dollars are hereby appropriated; office building for the commandant, thirty-five thousand dollars; quarters for the commandant, twelve thousand dollars; quarters for civil engineer, seven thousand five hundred dollars; landing and wharves, fifty thousand dollars; grading and drainage, ten thousand dollars; workshop (to cost eighty thousand dollars), fifty thousand dollars; storehouse and storekeepers' office, fifty thousand dollars; equipment building (to cost one hundred and twenty-five thousand dollars); sixty-two thousand five hundred dollars; machine shop for steam engineering (to cost one hundred and seventy-four thousand dollars), eighty thousand dollars; foundry and copper shop for steam engineering (to cost one hundred and eighteen thousand dollars), sixty thousand dollars; power house (to cost fifty thousand dollars), twenty-five thousand dollars; workshop for ordnance, forty thousand three hundred dollars; ship fitters' shop with mold loft and furnace shed for construction and repair (to cost two hundred thousand dollars), fifty thousand dollars; power house and fuel storage for construction and repair (to cost eighty thousand dollars), thirty-five thousand dollars; machine shop for construction and repair (to cost one hundred and twenty thousand dollars), forty thousand dollars; joiner shop for construction and repair (to cost one hundred and twenty thousand dollars), thirty thousand dollars; foundry for construction and repair (to cost seventy-five thousand dollars), twenty thousand dollars; in all, navy-yard, Charleston, nine hundred and thirteen thousand three hundred dollars.

Charleston.

In all cases where buildings and structures are provided for in this act and where appropriations in full are not made for the same, authority is hereby given to the Secretary of the Navy, in his discretion, to enter into contracts for the entire construction of such buildings and structures, with the limit of cost as fixed in this act.

* * * * *

NAVAL STATION, CAVITE, PHILIPPINE ISLANDS: Tools and appliances for yards and docks, five thousand dollars; fire-protection system and apparatus, twelve thou-

Cavite.

sand dollars; railroad system, improvements and extension, nine thousand dollars; fitting up coal sheds, seven thousand five hundred dollars; toward the purchase or construction of a floating steel dry dock (of American manufacture) (to cost not to exceed one million two hundred and twenty-five thousand dollars), two hundred thousand dollars; in all, two hundred and thirty-three thousand five hundred dollars.

PLANS AND SPECIFICATIONS FOR PUBLIC WORKS: For the preparation of plans and specifications for public works, including such expert aids, draftsmen, writers, and copyists as the Secretary of the Navy may deem necessary, thirty thousand dollars.

In all, public works, seven million six hundred and forty-nine thousand three hundred and twenty-five dollars.

PUBLIC WORKS—BUREAU OF NAVIGATION.

Naval Academy.

NAVAL ACADEMY: Buildings and grounds, Naval Academy: Toward the construction of buildings, and for other necessary improvements, at the Naval Academy, Annapolis, Maryland, as authorized by the Act of Congress approved June seventh, nineteen hundred, and in accordance with the plans approved by the Secretary of the Navy, October third, nineteen hundred, and toward the construction of a hospital (to cost not more than one hundred thousand dollars), to be built upon plans approved by the Secretary of the Navy, three hundred thousand dollars; for dredging up to and in front of the Naval Academy, two hundred thousand dollars; in all, five hundred thousand dollars, the amount hereby appropriated to constitute a part of the eight million dollars' limit fixed for the total cost of said buildings and improvements: *Provided*, That the Secretary of the Navy may, in his discretion, continue the said improvements at the Naval Academy, either by contract or day labor, or both, as he may deem necessary or for the best interests of the Government.

Buildings at training stations. California.

NAVAL TRAINING STATION, CALIFORNIA (BUILDINGS): Two officers' quarters, twelve thousand dollars; sinking artesian wells and water supply, seven thousand five hundred dollars; roads and grounds, three thousand five hundred dollars; purchase of tools and fitting up machine shop, two thousand five hundred dollars; installation of cold-storage room, originally planned, three thousand five hundred dollars; building boathouse and carpenter shop on wharf, two thousand five hundred dollars; in all, thirty-one thousand five hundred dollars.

Rhode Island.

NAVAL TRAINING STATION, RHODE ISLAND (BUILDINGS): Completing breakwater and extending sea wall, twenty-seven thousand five hundred dollars; completing roads and sidewalks, and paving approaches to new barracks, seven thousand seven hundred and fifty dollars; assem-

bly, lecture, and reading room, twelve thousand five hundred dollars; three double sets officers' quarters, thirty-six thousand dollars; carpenter shop and boathouse for repairs, storage, and preservation of steam launches and boats, eleven thousand seven hundred and eighty dollars; retaining wall on causeway leading from mainland to station, with guardhouses, iron-picket fence, gates, gatehouse, and appurtenances and for filling and macadamizing road, and repairs to bridge, fifteen thousand five hundred dollars; for constructing fifteen-foot mole at storehouse for discharging and loading boats and lighters, three thousand two hundred and fifty dollars; in all, naval training station, Rhode Island, one hundred and fourteen thousand two hundred and eighty dollars.

War College.

NAVAL WAR COLLEGE, RHODE ISLAND: BUILDINGS: Building and furnishing a fireproof annex to the college, with a covered connecting bridge, sixty thousand dollars.

In all, "Public works, Bureau of Navigation," seven hundred and five thousand seven hundred and eighty dollars.

PUBLIC WORKS—BUREAU OF ORDNANCE.

NAVAL MAGAZINE, IONA ISLAND, NEW YORK: Roads and walks; grading and filling in; wall on west side of reservation; ice house; extension of railroad tracks; magnetic-clock system for watch service, and general improvements, forty-nine thousand five hundred dollars.

Improvements at naval magazines.
Iona Island.

Naval magazine, Dover, Lake Denmark, New Jersey: For the purchase of additional land (about seventy-five acres) to secure control of a water supply, and expenses incident to said purchase; two powder magazines; pump house; two magazines for high explosives; carpenter's shop, and equipments therefor; coal sheds; extension of railroad tracks; rolling stock for local service; grading; road making; walls; fences, and general improvements; quarters for gunner, and quarters for watchmen and principal employees, eighty thousand dollars.

Dover.

Naval magazine, Fort Mifflin, Pennsylvania: Storehouse for ammunition, five thousand dollars.

Fort Mifflin.

Naval magazine, Norfolk, Virginia: Fireproof building, and the equipment thereof, for magazine workshop; one filling house; extension of railroad tracks; extension of fire and water service; for the purchase of additional land and expenses attending such purchase; for quarters for watchmen and principal employees; in all, forty-six thousand five hundred dollars.

Norfolk.

Naval torpedo station, Newport, Rhode Island: Renewing sea wall on east side of Goat Island, filling in and grading; erection and equipment of a carpenter's shop and one set of quarters, twenty-eight thousand dollars; in all, naval torpedo station, Newport, Rhode Island, twenty-eight thousand dollars.

Torpedo station, Newport.

Proving ground, Indian Head. Naval proving ground, Indian Head, Maryland: Powder magazine, roads, walks, walls, fences, grading, draining, filling in, and two sets of quarters for officers; in all, naval proving ground, Indian Head, twenty-three thousand dollars.

Rose Island. Quarters, Rose Island, Narragansett Bay: Quarters for watchmen and gunners, five thousand two hundred dollars.

Fort Lafayette. Naval magazine, Fort Lafayette, New York Harbor: Enlargement of shipping house; office building; dredging channel; repairs to sea wall, and general improvements, twenty-five thousand dollars.

Mare Island. Naval magazine, Mare Island, California: For new water mains and fire service at magazines; repairs to magazine wharf; steel shed for storage purposes; carpenters' shop; extension of shell house numbered four; repairs to magazine numbered one, injured by fire; three magazines for smokeless powder; one magazine for black powder, and one magazine for small-arm ammunition, eighty thousand dollars.

Puget Sound. Naval magazine, Puget Sound, Washington: For the purchase of land for a site for a naval magazine at or near Bremerton, Washington, and toward the erection thereon of the necessary buildings; for clearing said grounds; for grading and filling in; for building roads and walks; for the necessary wharves and cranes; for railroad tracks and rolling stock for local service; for fire and water service, and for the equipment of the establishment, fifty thousand dollars, or as much thereof as may be necessary; and the Secretary of the Navy may employ and pay, out of the appropriation hereby authorized, such additional expert aids, architects, superintendents of construction, or draftsmen as may be necessary for the preparation of the plans and specifications and prosecution of the work authorized to an amount not to exceed five thousand dollars; in all, naval magazine, Bremerton, Washington, fifty thousand dollars.

In all, public works, Bureau of Ordnance, three hundred and ninety-two thousand two hundred dollars.

Naval Observatory. NAVAL OBSERVATORY: For grounds and roads; continuing grading, extending roads and paths, clearing and improving grounds, five thousand dollars.

Nautical Almanac. PUBLICATION OF THE AMERICAN EPHEMERIS AND NAUTICAL ALMANAC: Hereafter there shall be published of the American Ephemeris and Nautical Almanac two thousand five hundred copies, five hundred of which shall be for the use of the Senate, one thousand for the use of the House of Representatives, and one thousand for distribution or sale by the Navy Department.

BUREAU OF MEDICINE AND SURGERY.

* * * * *

Repairs and improvements. NAVAL HOSPITAL, MARE ISLAND, CALIFORNIA: Repairs and improvements in fitting up old buildings and build-

ing new; for changing officers' quarters into wards for enlisted men and building quarters for officers outside naval hospital, twenty thousand dollars; for construction of a contagious-disease hospital, ten thousand dollars; in all, thirty thousand dollars.

Mare Island.

NAVAL HOSPITAL, CANACAO, PHILIPPINE ISLANDS: Repairs and improvements in fitting up old buildings and building new; building wharf, roads, and preparing grounds, and establishing a naval hospital at Canacao, Philippine Islands, to take the place of the present temporary hospital at Cavite, and for the transfer of public property from the old buildings to the new, fifty thousand dollars.

Naval hospital, Canacao.

SUPPLIES AND ACCOUNTS.

PROVISIONS, NAVY: * * *

Provides "that section fifteen hundred and eighty of the Revised Statutes of the United States be, and the same is hereby, amended so as to read as follows:

"SEC. 1580. The Navy ration shall consist of the following daily allowance of provisions to each person: One pound and a quarter salt or smoked meat, with three ounces of dried or six ounces of canned fruit, and three gills of beans or peas, or twelve ounces of flour; or one pound of preserved meat, with three ounces of dried or six ounces of canned fruit, and twelve ounces of rice or eight ounces of canned vegetables or four ounces of desiccated vegetables; together with one pound of biscuit, two ounces of butter, four ounces of sugar, two ounces of coffee or cocoa or one-half ounce of tea and one ounce of condensed milk or evaporated cream; and a weekly allowance of one-half pound of macaroni, four ounces of cheese, four ounces of tomatoes, one-half pint of vinegar, one-half pint of pickles, one-half pint of molasses, four ounces of salt, one-quarter ounce of pepper, and one-half ounce of dry mustard. Five pounds of lard or a suitable substitute shall be allowed for every hundred pounds of flour issued as bread, and such quantities of yeast as may be necessary."

Navy ration, component parts of.

That section fifteen hundred and eighty-one of the Revised Statutes of the United States be, and the same is hereby, amended so as to read as follows:

"SEC. 1581. The following substitution for the components of the ration may be made when deemed necessary by the senior officer present in command:

"For one and one-quarter pounds of salt or smoked meat or one pound of preserved meat, one and three-quarters pounds of fresh meat; in lieu of the article usually issued with salt, smoked, or preserved meat, fresh vegetables of equal value; for one pound of biscuit, one and one-quarter pounds of soft bread, or eighteen ounces of flour; for three gills of beans or peas, twelve ounces of flour or rice or eight ounces of canned vegetables, and for twelve ounces of flour or rice or eight ounces of canned vegetables, three gills of beans or peas."

That an extra allowance of one ounce of coffee or cocoa, two ounces of sugar, four ounces of hard bread or its equivalent, and four ounces of preserved meat or its equivalent shall be allowed to enlisted men of the engineer and dynamo force when standing night watches between eight o'clock postmeridian and eight o'clock antemeridian under steam.

That section fifteen hundred and eighty-four of the Revised Statutes of the United States, and so much of the act of May third, eighteen hundred and eighty, "making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and eighty-one, and for other purposes," as authorizes the Secretary of the Navy to substitute desiccated tomatoes for desiccated potatoes, are hereby repealed.

That money accruing from the rations of enlisted men commuted for the benefit of any mess may be paid on public bills to the commissary officer by the pay officer having their accounts.

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BUREAU OF CONSTRUCTION AND REPAIR.

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Construction
plant, Cavite.

IMPROVEMENT OF CONSTRUCTION PLANTS: * * *

For construction plant, naval station, Cavite, Philippine Islands: "Construction plant at naval station, Philippine Islands, fifty thousand dollars."

Two steel
tugs.

Steel tugs, general service: Two steel tugs for general service, each seventy thousand dollars, * * *

Six assistant
naval con-
structors.

Provides "that, in addition to the number of naval constructors and assistant naval constructors now authorized, the appointment of six assistant naval constructors is hereby authorized, two to be appointed during the present calendar year and the remaining four in the calendar year of nineteen hundred and three."

STEAM ENGINEERING.

* * * * *

Liquid fuel,
test of.

For tests of liquid fuel for naval purposes: "For extended tests of liquid fuel from the California and Texas oil fields, under the direction of the Bureau of Steam Engineering, Navy Department, twenty thousand dollars.

Machinery
plants:
League Is-
land.

MACHINERY PLANT: Navy-yard, League Island, Pennsylvania: To complete equipment of the entire new system of steam engineering shops being constructed under appropriation made to the Bureau of Yards and Docks for building and repairing modern marine machinery, including the power plant and necessary machine tools, cranes, and appliances for handling work, to cost not more than two hundred and thirty thousand dollars, one hundred and thirty thousand dollars.

MACHINERY PLANT: Navy-yard, Norfolk, Virginia: For some necessary modern machine tools, twenty-five thousand dollars.

Norfolk.

MACHINERY PLANT: Navy-yard, Mare Island, California: To complete equipment of the entire new system of steam engineering shops being constructed under appropriation made to the Bureau of Yards and Docks for building and repairing modern marine machinery, including the power plant and necessary machine tools, cranes, and appliances for handling work (to cost not more than one hundred and eighty thousand dollars), eighty thousand dollars.

Mare Island.

MACHINERY PLANT: Navy-yard, Puget Sound, Washington: To continue the equipment of the steam engineering shops being constructed under appropriation made to Bureau of Yards and Docks for building and repairing modern marine machinery, including the power plant and necessary machine tools, cranes, and appliances for handling work, one hundred and twenty-five thousand dollars.

Puget Sound.

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NAVAL ACADEMY.

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CONTINGENT, NAVAL ACADEMY: * * *. For "apparatus for the instruction of midshipmen in the department of marine engineering and naval construction, five thousand dollars; purchase of sextants for the instruction of midshipmen in the department of navigation, three thousand dollars: *Provided*, That the Superintendent of the Naval Academy is authorized to pay Mr. Walter L. Steward, from the appropriation 'Contingent, Naval Academy,' the sum of forty dollars to reimburse him for damage done to his crops during a battalion drill of the midshipmen; * * *."

Instruction of midshipmen, apparatus for.

Walter L. Steward, damages, reimbursement for.

The title "naval cadet" is hereby changed to "midshipman."

Naval cadet, title of, changed to midshipman. Midshipmen, increase in number of.

That until the year nineteen hundred and fourteen, in addition to the naval cadets now authorized by law (the title having been changed by this act to midshipmen), the President shall appoint five midshipmen, and there shall be appointed from the States at large, upon the recommendation of Senators, two midshipmen for each State.

* * * *Provided*, * * * That no part of the money appropriated in this paragraph or elsewhere in this bill shall be expended in the purchase of any history of the Spanish-American war written by Edgar Stanton Maclay, for use at the Naval Academy, in ships' libraries, or in any other part of the naval establishment of the United States.

Maclay's History, purchase of barred.

MARINE CORPS.

PAY, MARINE CORPS: * * *

Rank of commandant of Marine Corps.

Provides "that from and after the date of the approval of this act, the commandant of the Marine Corps shall have the rank, pay, and allowances of a major-general in the Army, and when a vacancy shall occur in the office of commandant of the corps, on the expiration of the service of the present incumbent, by retirement or otherwise, the commandant of the Marine Corps shall thereafter have the rank, pay, and allowances of a brigadier-general.

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Marine Corps, increase of.

In addition to the enlisted force of the Marine Corps now authorized by law there may be enlisted ten gunnery-sergeants, forty sergeants, sixty corporals, ten drummers, ten trumpeters, and six hundred and twenty privates.

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PUBLIC WORKS—MARINE CORPS.

Barracks, improvements to.

Barracks and Quarters, Marine Corps: Construction of a fireproof marine barracks, navy-yard, Norfolk, Virginia, and necessary sewerage and grading, one hundred thousand dollars; construction of a veranda on enlisted men's quarters, navy-yard, Pensacola, Florida, three thousand five hundred dollars; installation of an electric lighting plant, marine barracks, navy-yard, New York, New York, three thousand five hundred dollars; installation of electric lights, marine barracks, navy-yard, Portsmouth, New Hampshire, one thousand dollars; improvements, sewers, plumbing, and so forth, marine barracks, navy-yard, Boston, Massachusetts, one thousand five hundred dollars; construction of a marine barracks, naval training station, San Francisco, California, thirty thousand dollars; officers' quarters, Sitka, Alaska, erection of officers' quarters at Sitka, Alaska, two thousand five hundred dollars, and the unexpended appropriations of two thousand five hundred dollars authorized in act of June tenth, eighteen hundred and ninety-six, and one thousand dollars authorized in act of June seventh, nineteen hundred, respectively, are hereby reappropriated for the erection of officers' quarters at Sitka, Alaska, two thousand five hundred dollars; for the erection of light frame buildings for the accommodation and protection of officers and enlisted men of the Marine Corps stationed on the island of Culebra, Porto Rico, five thousand dollars; in all, public works under Marine Corps, one hundred and forty-seven thousand dollars.

Carnegie Steel Co., contracts with.

All contracts of the Carnegie Steel Company, Limited, heretofore made between it and the United States, shall be completed by its successor, the Carnegie Steel Company, or its lawful successor, which has acquired and assumed, or may acquire and assume, all of its assets

and all of its liabilities under the said contracts. And the said Carnegie Steel Company, or its lawful successor, upon giving security in proper form and amount, conditioned for the performance by it of the said contracts according to the true intent and meaning thereof, shall be substituted therein for the said Carnegie Steel Company, Limited, and be entitled to exercise all rights thereunder which the said Carnegie Steel Company, Limited, had or would have had if it had continued in existence.

INCREASE OF THE NAVY.

That for the purpose of further increasing the naval establishment of the United States, the President is hereby authorized to have constructed by contract two first-class battle ships carrying the heaviest armor and most powerful ordnance for vessels of their class upon a trial displacement of not more than sixteen thousand tons, and to have the highest practicable speed and great radius of action, and to cost, exclusive of armor and armament, not exceeding four million two hundred and twelve thousand dollars each; two first-class armored cruisers of not more than fourteen thousand five hundred tons trial displacement, carrying the heaviest armor and most powerful armament for vessels of their class, and to have the highest practicable speed and great radius of action, and to cost, exclusive of armor and armament, not exceeding four million six hundred and fifty-nine thousand dollars each; two gunboats of about one thousand tons trial displacement, to cost, when built, exclusive of armament, not exceeding three hundred and eighty-two thousand dollars each, and the contract for the construction of each of said vessels shall be awarded, by the Secretary of the Navy, to the lowest best responsible bidder, having in view the best results and most expeditious delivery; and in the construction of all of said vessels the provisions of the act of August third, eighteen hundred and eighty-six, entitled "An act to increase the naval establishment," as to materials for said vessels, their engines, boilers, and machinery, the contracts under which they are built, the notice of any proposals for the same, the plans, drawings, specifications therefor, and the method of executing said contracts shall be observed and followed, and, subject to the provisions of this act, all said vessels shall be built in compliance with the terms of said act, and in all their parts shall be of domestic machinery; and the steel material shall be of domestic manufacture and of the quality and characteristics best adapted to the various purposes for which it may be used, in accordance with specifications approved by the Secretary of the Navy; and not more than two of the six battle ships, armored cruisers, and gunboats provided for in this act shall be built by one contracting party.

Two battle-ships.

Two armored cruisers.

Two gunboats.

Contract, award of.

Material; of domestic manufacture.

Where to be built.

One battle ship or one armored cruiser herein provided for shall be built on or near the coast of the Pacific Ocean or the waters connecting therewith; but if it shall appear to the satisfaction of the President from the bidding for such contracts that said vessel can not be constructed on or near the coast of the Pacific Ocean at a cost not exceeding four per centum above the lowest accepted bid for the corresponding vessel provided for in this act, he shall authorize the construction of said vessel elsewhere in the United States, subject to the limitations as to cost hereinbefore provided: *Provided*, That the Secretary of the Navy shall build one of the battle ships authorized by this act in such navy-yard as he may designate: *Provided, further*, That the Secretary of the Navy shall build all the vessels herein authorized in such navy-yards as he may designate, should it reasonably appear that the persons, firms or corporations or the agents thereof, bidding for the construction of any of said vessels, have entered into any combination, agreement or understanding, the effect, object or purpose of which is to deprive the Government of fair, open and unrestricted competition in letting contracts for the construction of any of said vessels.

Cost of inspection and construction to be reported to Congress.

The Secretary of the Navy is hereby instructed to keep an accurate account of the cost of inspection and construction of vessels provided for in this act, whether built in Government yards or by contract, and report thereon to Congress, at each session, the progress of work and cost thereof, including the inspection of all the material going into the construction of said vessels, and, upon the completion thereof, to report a full and detailed statement showing the relative cost of inspection and construction in Government yards and by contract. And for the purpose of preparing and equipping such navy-yard or navy-yards as may be so designated for the construction of any such vessels, the sum of one hundred and seventy-five thousand dollars, or so much thereof as may be necessary, is hereby appropriated for each of the navy-yards in which the Secretary of the Navy may direct any such vessels to be built.

Construction and machinery.

CONSTRUCTION AND MACHINERY: On account of the hulls and outfits of vessels and steam machinery of vessels heretofore authorized, thirteen million three hundred and three thousand and ten dollars.

Armor and armament.

ARMOR AND ARMAMENT: Toward the armament and armor of domestic manufacture for the vessels heretofore authorized, nine million dollars.

Equipment.

EQUIPMENT: Toward the completion of the equipment outfit of the new vessels authorized, four hundred thousand dollars.

Approved, July 1, 1902.

FIFTY-SEVENTH CONGRESS, SECOND SESSION, MARCH 3, 1903.

[PUBLIC—No. 160.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and four, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

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BUREAU OF ORDNANCE.

ORDNANCE AND ORDNANCE STORES: * * * *Provided,* Unexpended balance reappropriated.
That the unexpended balances remaining in the Treasury on June thirtieth, nineteen hundred and three, from the appropriations "Ordnance and ordnance stores," nine teen hundred and nineteen hundred and one, or so much thereof as may be necessary, are hereby reappropriated and made available during the fiscal year ending June thirtieth, nineteen hundred and four, for expenditure in fulfillment of contracts heretofore made and properly chargeable to said appropriations.

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Provision "to enlarge smokeless-powder factory at Indian Head, Maryland, fifty-five thousand dollars." Smokeless-powder factory.

New and improved battery for the New York, one hundred thousand dollars. Battery for New York.

Navy-yard, Washington, District of Columbia: New boiler plant, including foundations, economizers, conduits, connections, and auxiliaries for proposed power house, eighty thousand dollars. Boiler plant for power house, etc., Washington, D. C.

New and improved machinery for existing shops, fifty thousand dollars.

Extension of steel-casting plant, five thousand dollars. Steel-casting plant, extension of.

Converting large gun lathes from steam to electric drive, twenty-five thousand dollars. Gun lathes, conversion of.

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BUREAU OF YARDS AND DOCKS.

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PUBLIC WORKS, BUREAU OF YARDS AND DOCKS, NAVY-YARDS AND STATIONS, NAVAL ACADEMY, AND NEW NAVAL OBSERVATORY.

NAVY-YARD, PORTSMOUTH, NEW HAMPSHIRE: Removal of Hendersons Point, to complete, five hundred and forty Portsmouth.

nine thousand dollars; quay wall, to extend, seventy-five thousand dollars; grading, to continue, twenty-five thousand dollars; railroad and rolling stock, additions, eight thousand dollars; sewer systems, extensions, four thousand dollars; water systems, extensions, four thousand dollars; tools for yards and docks, additional, two thousand dollars; locomotive crane and track, to complete, fifty thousand dollars; electric plant, extensions, fifteen thousand dollars; central heating plant, extensions, fifteen thousand dollars; steel-plant building for construction and repair (to cost not to exceed one hundred and fifty thousand dollars), to continue, fifty thousand dollars; blasting in front of quay wall, twenty-five thousand dollars; naval prison, ninety-five thousand dollars (toward the construction of the naval prison herein authorized there is also hereby reappropriated and made available the unexpended balance of appropriations made by the acts approved March third, nineteen hundred and one, and July first, nineteen hundred and two, under the general title "Public Works, Bureau of Yards and Docks," for extension of the naval prison, navy-yard, Boston, Massachusetts); in all, nine hundred and seventeen thousand dollars.

Boston. NAVY-YARD, BOSTON, MASSACHUSETTS: Sewer system, extensions, fifteen thousand dollars; electric-light plant, extensions, fifteen thousand dollars; water-closets, additional, five thousand dollars; paving, to continue, fifty thousand dollars; drains, five thousand dollars; railroad system, extensions, twenty-four thousand dollars; pile driver, six thousand five hundred dollars; tools for yards and docks, ten thousand dollars; paint shop for construction and repair, thirty-five thousand dollars; steel shears, improvements to, fifteen thousand dollars; refitting and improving buildings forty-two and forty-three, forty thousand dollars; central heating system, extensions, twenty thousand dollars; extension of building numbered one hundred and seven, fifty thousand dollars; in all, navy-yard, Boston, two hundred and ninety thousand five hundred dollars.

New London. NAVAL STATION, NEW LONDON, CONNECTICUT: Railroad scales, two thousand five hundred dollars.

New York. NAVY-YARD, NEW YORK, NEW YORK: Paving and grading, to continue, twenty thousand dollars; dredging, to continue, twenty-five thousand dollars; railroad system, extensions, fifteen thousand dollars; improvements to building numbered one hundred and twenty-six, fifteen thousand dollars; electric plant, extensions, thirty thousand dollars; quay wall between dry docks numbered two and three (to be immediately available), twenty-five thousand dollars; rebuilding wharves on cob deck, twenty-five thousand dollars; new roof for building numbered twenty-eight, twenty thousand dollars; piers, additional, one hundred thousand dollars; coal bins and

tracks for yards and docks (to be immediately available), two thousand five hundred dollars; extension of building numbered one hundred and sixteen, four thousand five hundred dollars; repairing and rebuilding crane track around dry dock numbered one, sixteen thousand dollars; in all, navy-yard, New York, New York, two hundred and ninety-eight thousand five hundred dollars.

NAVY-YARD, LEAGUE ISLAND, PENNSYLVANIA: To continue retaining wall about reserve basin, fifty thousand dollars; grading and paving, to continue, thirty thousand dollars; sewer system, extensions, ten thousand dollars; electric plant, extensions, seventy-five thousand dollars; railroad system, extensions, twenty thousand dollars; dredging and filling in Delaware water front, to continue, twenty-five thousand dollars; water system, extension, twelve thousand dollars; tools and appliances for yards and docks, five thousand dollars; pitch house and oakum loft for construction and repair, five thousand two hundred dollars; underground conduit system, twelve thousand dollars; fireproof vault, building numbered one, two thousand dollars; houses over artesian-well pumps, three thousand dollars; fire-protection system, extensions, thirty-five thousand dollars; machine shop for steam engineering, to complete, twenty-five thousand dollars; in all, navy-yard, League Island, three hundred and nine thousand two hundred dollars.

League Island.

NAVY-YARD, WASHINGTON, DISTRICT OF COLUMBIA: Building for power plant, extension, one hundred and twenty-five thousand dollars; piled floor in storehouse for guns and mounts, twenty-seven thousand two hundred and forty dollars; raising floor of annex to building numbered forty-six, two thousand dollars; grading and paving, twenty-five thousand dollars; coal storage and handling plant for new power plant, forty-five thousand dollars; in all, navy-yard, Washington, two hundred and twenty-four thousand two hundred and forty dollars.

Washington.

And upon the acquirement by the United States of title to all property abutting on Canal, Fifth, and N streets, and Georgia avenue, between the south building line of M street south and the Eastern Branch of the Potomac River, and between the east building line of Fourth street east and the west wall of the navy-yard in the city of Washington, District of Columbia, all portions of Canal, Fifth, and N streets, and Georgia avenue lying within such boundaries shall be abandoned and closed, and the Secretary of the Navy is authorized to take possession thereof, and said portions of said streets, together with government reservations numbered two hundred and forty-nine and two hundred and fifty lying within the same boundaries, shall be regarded as set apart and reserved for naval purposes.

Charleston.

NAVY-YARD, CHARLESTON, SOUTH CAROLINA: Power house and fuel storage for construction and repair, to complete, forty-five thousand dollars; machine shop for construction and repair, to complete, eighty thousand dollars; joiners' shop for construction and repair, to complete, ninety thousand dollars; machine shop for steam engineering, sixty thousand dollars; power house for steam engineering, twenty-five thousand dollars; in all, three hundred thousand dollars: *Provided*, That the Secretary of the Navy be, and hereby is, authorized to convey to the city of Charleston, South Carolina, a small triangular piece of land in the northern extremity of the tract recently purchased by the United States for the purposes of a navy-yard in the vicinity of Charleston, South Carolina, containing about one-thirtieth of an acre, at the same rate per acre as that at which said lands were conveyed to the United States by the said city of Charleston.

Norfolk.

NAVY-YARD, NORFOLK, VIRGINIA: Quay wall for fitting-out basin, seventy-five thousand dollars; railroad tracks, extensions, five thousand dollars; machinery and tools for yards and docks, additional, three thousand dollars; electric capstans for dry docks, additional, five thousand dollars; cistern, twenty thousand dollars; landing float and slip for railroad cars, forty thousand dollars; improvements to storehouse building numbered fifteen, fifteen thousand dollars; enlarging canvas shed for storage of chain, thirty thousand dollars; in all, navy-yard, Norfolk, Virginia, one hundred and ninety-three thousand dollars.

Key West.

NAVAL STATION, KEY WEST, FLORIDA: Quay wall, to continue, fifty thousand dollars; marine railway, fifteen thousand dollars; coaling plant, extensions and improvements, one hundred thousand dollars; in all, naval station, Key West, one hundred and sixty-five thousand dollars.

Mare Island.

NAVY-YARD, MARE ISLAND, CALIFORNIA: Medical dispensary, to complete, two thousand dollars; repairing forty-ton crane track, sixteen thousand dollars; completing and extending timber storage, four thousand dollars; storage tank for oil, twelve thousand dollars; locomotive crane, twelve thousand dollars; remodeling chain shed, four thousand dollars; railroad system, extensions, ten thousand dollars; electric plant, extensions, fifty thousand dollars; light and power station building, forty thousand dollars; moving and improving building numbered one hundred and thirteen, twelve thousand dollars; fittings for chapel, one thousand dollars; extension to electrical workshop, twenty-five thousand dollars; in all, navy-yard, Mare Island, one hundred and eighty-eight thousand dollars: *Provided*, That the balances from any appropriations for dredging be reappropriated for "Dredging or other means of deepening the channel in Mare Island Strait."

NAVY-YARD, PUGET SOUND, WASHINGTON: Sewer system, extensions, five thousand dollars; to continue grading, thirty thousand dollars; fire-protection system, extensions, ten thousand dollars; electric-light plant, extensions, three thousand dollars; telephone system, extensions, one thousand dollars; railroad and equipment, extensions, ten thousand dollars; boat shop for construction and repair, to continue (to cost not to exceed one hundred and fifty thousand dollars, for which contract is hereby authorized), fifty thousand dollars; water-closets, additional, two thousand five hundred dollars; water system, extensions, eight thousand dollars; foundry and copper-smith's shop, to complete, fifty thousand dollars; boiler and blacksmith shop, to complete, fifty thousand dollars; heating system, extensions, three thousand dollars; extension of dry-dock boiler plant, ten thousand dollars; extension of general office building, five thousand dollars; two officers' quarters, ten thousand dollars; sick quarters, to complete, four thousand two hundred dollars; locomotive crane and track about dry dock (to cost ninety thousand dollars), forty thousand dollars; timber floats and gangway bridges, two thousand dollars; garbage scow, one thousand five hundred dollars; in all, navy-yard, Puget Sound, Washington, two hundred and ninety-five thousand two hundred dollars.

Puget Sound.

NAVY-YARD, PENSACOLA, FLORIDA: Crib for floating dry dock, ten thousand dollars; dredging, to continue, ten thousand dollars; electric-light plant, additions, three thousand dollars; building for Bureau of Equipment, one hundred and twenty thousand dollars; in all, navy-yard, Pensacola, one hundred and forty-three thousand dollars.

Pensacola.

NAVAL STATION, NEW ORLEANS, LOUISIANA: Latrines, one thousand eight hundred dollars; additions to floating dock, fifteen thousand dollars; shops for steam engineering extension, fifty thousand dollars; approach to floating dry dock, ten thousand dollars; to pay award of condemnation suit for land, thirty-five thousand dollars; in all, naval station, New Orleans, Louisiana, one hundred and eleven thousand eight hundred dollars.

New Orleans.

NAVAL STATION, TUTUILA: Grading and filling, to continue, twenty thousand dollars; waterworks and accessories, five thousand dollars; carpenter and blacksmith shop, five thousand dollars; mooring, shoal, and channel buoys, four thousand dollars; ice-making plant, five thousand dollars; in all, naval station, Tutuila, thirty-nine thousand dollars.

Tutuila.

NAVAL STATION, ISLAND OF GUAM: General storehouse, ten thousand dollars.

Guam.

NAVAL STATION, CAVITE, PHILIPPINE ISLANDS: Distilling plant, twenty thousand dollars; floating steel dry dock, to continue, three hundred thousand dollars; in all, three hundred and twenty thousand dollars.

Cavite.

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Plans and specifications.

PLANS AND SPECIFICATIONS FOR PUBLIC WORKS: For the preparation of plans and specifications for public works, including such expert aids, draftsmen, writers, and copyists as the Secretary of the Navy may deem necessary, thirty thousand dollars.

In all, public works, four million three hundred and thirty-six thousand nine hundred and forty dollars.

Guantanamo.

PUBLIC WORKS, SECRETARY'S OFFICE: For necessary expenditures incident to the occupation and utilization of the naval station at Guantanamo, Cuba, to be used for such purposes as the Secretary of the Navy may direct, one hundred thousand dollars.

PUBLIC WORKS, BUREAU OF NAVIGATION.

Naval Academy.

NAVAL ACADEMY: The limit of expenditure for the construction of buildings and other necessary improvements at the Academy, as set forth in the act of June seventh, nineteen hundred, be, and the same is hereby, increased to ten million dollars, and no part of the same shall hereafter be used for the purchase of land. The Secretary of the Navy may modify or alter all plans or estimates of cost, within said limit, for all such buildings and improvements, including the hospital and dredging authorized in the act approved July first, nineteen hundred and two, as he may see fit.

REPAIRS, NAVAL ACADEMY: For building and furnishing additional temporary quarters and recitation rooms and for enlarging and furnishing the mess hall, to be immediately available, sixty thousand dollars.

Historic places.

That the Secretary of the Navy, the Superintendent of the Naval Academy, and the mayor of Annapolis, Maryland, are hereby appointed a commission to ascertain the sites of, and to have erected suitable tablets upon, the historic places within the grounds of the United States Naval Academy at Annapolis, Maryland, and the sum of five hundred dollars is hereby appropriated for such purpose.

Naval training stations.

NAVAL TRAINING STATION, CALIFORNIA (BUILDINGS): Extension of new wharf, four thousand two hundred and fifty dollars; in all, four thousand two hundred and fifty dollars.

California.

Rhode Island.

NAVAL TRAINING STATION, RHODE ISLAND (BUILDINGS): Extending and completing stone quay and coaling pier at southeast end of island, ten thousand dollars; filling in two stagnant basins, one near main causeway and the other adjacent to the naval hospital, four thousand five hundred dollars; additional barracks for the accommodation of apprentices and landsmen under training, with mess hall, wash room, and all necessary appurtenances, two hundred and seventeen thousand five hundred dollars; in all, naval training station, Rhode Island, two hundred and thirty-two thousand dollars.

In all, Public works, Bureau of Navigation, two hundred and ninety-six thousand seven hundred and fifty dollars.

PUBLIC WORKS, BUREAU OF ORDNANCE.

NEW ENGLAND NAVAL MAGAZINE: The Secretary of the Navy is hereby directed to appoint a board of naval officers, whose duty it shall be to recommend a site or sites for one naval magazine on the New England coast, north of Cape Cod, suitable for the use of the Boston and Portsmouth navy-yards; and, if upon private land, to estimate its value and ascertain as nearly as practicable the cost for which it can be purchased or acquired, and also to estimate the cost of necessary buildings, grading, and filling in, building roads and walks, improvement of water front, necessary wharves and cranes, railroad tracks and rolling stock, fire and water service, and for general equipment of said naval magazine. The board shall make a full and detailed report to the Secretary of the Navy, who shall transmit such report, with his recommendations thereon, to the next session of Congress. And to defray the expenses of said board the sum of one thousand dollars, or so much thereof as may be necessary, to be immediately available, is hereby appropriated, out of any moneys in the Treasury not otherwise appropriated.

Naval magazine site, New England coast.

NAVAL MAGAZINE, IONA ISLAND, NEW YORK: One new compressed-air charging station, with pipes and fittings, two thousand dollars; machine tools for machine shop, two thousand dollars; machine tools for carpenters' shop, one thousand two hundred dollars; improvements to old dock, nine thousand dollars; in all, naval magazine, Iona Island, fourteen thousand two hundred dollars.

Improvements, naval magazines.
Iona Island.

NAVAL POWDER DEPOT, LAKE DENMARK, NEW JERSEY: Four electric elevators for two completed storehouses, ten thousand dollars; improvements to shell house numbered one; new floors, platforms, roof leaders, ventilators, and improving lightning protection, six thousand dollars; improvements to magazines numbered one and two; new roof gutters, ventilators, and improved lightning protection, three thousand six hundred dollars; in all, naval magazine, Dover, Lake Denmark, New Jersey, nineteen thousand six hundred dollars.

Lake Denmark.

WATER SYSTEM, FORT NORFOLK, VIRGINIA: To connect the reservation with the city water mains, one thousand one hundred feet from main line, one thousand five hundred dollars.

Fort Norfolk.

NAVAL TORPEDO STATION, NEWPORT, RHODE ISLAND: Additional wharves and slips for torpedo boats; for moving present boathouse to a new location; and for dredging, twenty-five thousand dollars; in all, naval torpedo station, Newport, Rhode Island, twenty-five thousand dollars.

Newport.

Indian Head. NAVAL PROVING GROUND, INDIAN HEAD, MARYLAND: Three new cast-steel gun platforms, four thousand five hundred dollars; lightning protection, six thousand dollars; in all, naval proving ground, Indian Head, ten thousand five hundred dollars.

Saint Juliens Creek. NAVAL MAGAZINE, SAINT JULIENS CREEK, NORFOLK, VIRGINIA: One shell house, eleven thousand dollars.

In all, public works, Bureau of Ordnance, eighty-two thousand eight hundred dollars.

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BUREAU OF MEDICINE AND SURGERY.

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Improvements, naval hospitals. NAVAL HOSPITAL, NEW YORK, NEW YORK: Changing officers' quarters into wards for enlisted men, and building quarters for officers outside of naval hospital, twenty thousand dollars.

New York.

Washington. NAVAL HOSPITAL, WASHINGTON, DISTRICT OF COLUMBIA: The erection and completion of new buildings for the accommodation of the United States naval hospital, Washington, District of Columbia, on the grounds belonging to the United States Naval Museum of Hygiene, one hundred and twenty-five thousand dollars.

New York. NAVAL LABORATORY, NEW YORK, NEW YORK: Erection and completion of a new building for the accommodation of the United States naval laboratory, New York, New York, on the grounds of the United States naval hospital, New York, New York, seventy-five thousand dollars.

Yokohama. NAVAL HOSPITAL, YOKOHAMA, JAPAN: Erection of new buildings at the United States naval hospital at Yokohama, Japan, to replace buildings unfit for further use, twenty-five thousand dollars.

SUPPLIES AND ACCOUNTS.

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Clothing and small-stores fund, increase of. CLOTHING AND SMALL-STORES FUND: For purchase of clothing and small stores for issue to the Naval service, the present fund being inadequate to meet the requirements of the service at this time; to be added to the "clothing and small-stores fund," one million dollars.

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BUREAU OF CONSTRUCTION AND REPAIR.

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Ammunition lighter, Cavite. For steel ammunition lighter, naval station, Cavite, Philippine Islands: "One steel steam ammunition lighter, with all fittings complete, for use at naval station, Cavite, Philippine Islands, thirty thousand dollars."

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STEAM ENGINEERING.

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For machinery plant, navy-yard, Boston, Massachusetts: "Electric cranes for foundry, boiler shop, and smithery, and for some large and powerful machine tools to complete equipment of shops, sixty thousand dollars."

Machinery plants.

Boston.

Machinery plant, navy-yard, Norfolk, Virginia: Cranes and heavy tools to equip the shops as altered, twenty-five thousand dollars.

Norfolk.

For building on land owned by the Government, Annapolis, Maryland: "Bureau of Steam Engineering: For a building to be used as an experiment station and testing laboratory in the department of marine engineering and naval construction (to cost not to exceed two hundred and fifty thousand dollars), two hundred and fifty thousand dollars. For the complete equipment of this building with all the necessary appliances and apparatus as an experiment station and testing laboratory, one hundred and fifty thousand dollars."

Experiment station and testing laboratory, Annapolis.

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The grades of the active list of the Navy hereinafter designated shall be so increased that there shall be thirty additional lieutenant-commanders, in all two hundred; fifty additional lieutenants, in all three hundred and fifty; such total numbers of lieutenants (junior grade) and ensigns as may qualify for said grades under existing law and the provisions of this Act; thirty additional surgeons with the rank of lieutenant-commander, in all eighty-five; one hundred and twenty additional passed assistant and assistant surgeons, with the rank, respectively, of lieutenant and lieutenant (junior grade), in all two hundred and thirty; two additional pay inspectors, in all fifteen; thirty-six additional paymasters, in all seventy-six; twenty-six additional passed assistant and assistant paymasters, in all ninety-six; twenty-nine additional naval constructors and assistant naval constructors, in all seventy-five; one additional civil engineer, in all twenty-eight; and twelve assistant civil engineers, of whom six shall have the rank of lieutenant (junior grade) and six the rank of ensign: *Provided*, That assistant civil engineers, during the first five years after date of appointment, shall receive, per annum, when on duty, one thousand five hundred dollars, when on leave or waiting orders, one thousand dollars; during the second five years after such date, when on duty, one thousand eight hundred dollars, when on leave or waiting orders, one thousand two hundred dollars; and after ten years from such date, when on duty, two thousand one hundred dollars, and when on leave or waiting orders, one thousand four hundred dollars: *And provided further*, That promotions in the corps of civil engineers shall be after such examination as the Secretary of the Navy may prescribe.

Officers of Navy, increase of.

Assistant civil engineers, pay of.

Appoint-
ments and pro-
motions, limi-
tations on.

The increase in the grades of lieutenant-commander and lieutenant provided for in this act shall be filled by promotion each year of not exceeding twenty-five per centum of the total number of the increase in each of said grades; and not more than twenty-five assistant surgeons, not more than twenty assistant paymasters, nor more than five assistant naval constructors, nor more than three assistant civil engineers, in addition to those necessary to fill vacancies in said grades, shall be appointed in any one calendar year.

Ensigns, ap-
pointment of,
from warrant
officers.

Hereafter in each calendar year there may, under the restrictions imposed by existing law, be appointed from the boatswains, gunners, and warrant machinists of the Navy twelve ensigns.

Midshipmen
appointments
of.

There shall be allowed at the Naval Academy two midshipmen for each Senator, Representative, and Delegate in Congress, two for the District of Columbia, and five each year at large: *Provided*, That the additional Congressional appointments authorized by this act shall be made at such times as may be determined by the Secretary of the Navy, who shall equitably distribute the increase among the several States, Districts, and Territories, so that ultimately, if practicable, each Senator, Representative, and Delegate may recommend for appointment during each Congress one midshipman. *Provided further*, That members of the Fifty-seventh Congress who will not be members of the Fifty-eighth Congress, and in whose Districts or States appointments have not been made or vacancies filled in the Fifty-seventh Congress, may immediately upon the passage of this act make the additional appointments herein provided for.

The Secretary of the Navy shall as soon as practicable after the fifth day of March in each year notify in writing each Senator, Representative, and Delegate in Congress of any vacancy which may be regarded as existing in the State, District, or Territory which he represents, and the nomination of a candidate to fill such vacancy shall be made upon the recommendation of the Senator, Representative, or Delegate. Such recommendation shall be made by the first day of June of that year, and if not so made the Secretary of the Navy shall fill the vacancy by the appointment of an actual resident of the State, District, or Territory in which the vacancy exists, who shall have been for at least two years immediately preceding his appointment an actual bona fide resident of the State, District, or Territory in which the vacancy exists and shall have the qualifications otherwise prescribed by law: *And provided further*, That the superintendent of the Naval Academy shall make such rules, to be approved by the Secretary of the Navy, as will effectually prevent the practice of hazing; and any cadet found guilty of participating in or encouraging or

Hazing.

countenancing such practice shall be summarily expelled from the Academy, and shall not thereafter be reappointed to the Corps of Cadets or be eligible for appointment as a commissioned officer in the Army or Navy or Marine Corps until two years after the graduation of the class of which he was a member.

That the provisions of this act for the increase of appointments of midshipmen to the Naval Academy shall continue in force until the thirtieth day of June, nineteen hundred and thirteen; and thereafter one midshipman, as now provided by law, shall be appointed for each Senator, Representative, and Delegate in Congress.

That hereafter there shall be at the Naval Academy one midshipman from Porto Rico, who shall be a native of said island, and whose appointment shall be made by the President on the recommendation of the governor of Porto Rico.

Midshipman
from Porto
Rico.

That after January first, nineteen hundred and four, all candidates for admission to the Naval Academy at the time of their examination must be between the ages of sixteen and twenty years.

Age of admis-
sion to Naval
Academy.

Nothing contained in this act shall affect the officers of the Navy who may have been or may hereafter be advanced in rank under existing provisions of law by which they become extra numbers in their respective grades, or operate to vacate the commission of any officer now in the service.

That from and after the passage of this act, and in order to further increase the efficiency of the Marine Corps, the following additional officers, noncommissioned officers, drummers, trumpeters, and privates to those now provided by law for said corps, are hereby authorized and directed, namely: One colonel, one lieutenant-colonel, five majors, twelve captains, twenty-five first lieutenants, twelve second lieutenants, one assistant adjutant and inspector with the rank of lieutenant-colonel, two assistant adjutants and inspectors with the rank of major, one assistant quartermaster, with the rank of lieutenant-colonel, five assistant quartermasters with the rank of captain, one assistant paymaster with the rank of lieutenant-colonel, one assistant paymaster with the rank of captain, one sergeant-major, forty quartermaster-sergeants, twelve first sergeants, sixty-five sergeants, fifty-five corporals, ten drummers, ten trumpeters, and five hundred and twenty-seven privates: *Provided*, That the vacancies now existing in the line and the staff departments of the Marine Corps and those created by this act below the grade of brigadier-general shall be filled, respectively, first by promotion by seniority and then by selection and appointment as now provided by law, excepting that vacancies in the grade of second lieutenant shall be filled first, as far as practicable, from graduates of the Naval Academy each year on completing the pre-

Marine
Corps, increase
of.

scribed course at the Naval Academy, exclusive of the probationary tour of sea service before final graduation, then from meritorious noncommissioned officers and from civil life between the ages of twenty-one and twenty-seven years: *Provided*, That the commissions of officers now in the Marine Corps shall not be vacated by this act: *And provided further*, That officers selected for appointment to fill vacancies in the grade of field officers in any of the staff departments shall be taken from officers on the active list not below the grade of captain and who have seen not less than seven years' service as commissioned officers in the Marine Corps. And that appointments to the grade of captain in any of the staff departments shall be made from officers on the active list of the Marine Corps not below the grade of first lieutenant.

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PUBLIC WORKS, MARINE CORPS.

Clothing,
manufacture
of.

Barracks and Quarters, Marine Corps: Purchase of ground and erection of building at Philadelphia, to be used for manufacture of clothing and storing of supplies and office of assistant quartermaster (to cost not to exceed one hundred and fifty thousand dollars), one hundred and fifty thousand dollars; construction and completion of commanding officers' and junior officers' quarters, navy-yard, Norfolk, Virginia, forty-two thousand dollars; construction and completion of commanding officers' and junior officers' quarters, naval training station, San Francisco, California, sixteen thousand dollars; construction and completion of one power house and the installation of steam heat, marine barracks and officers' quarters, navy-yard, Mare Island, California, eleven thousand dollars; in all, public works under Marine Corps, two hundred and nineteen thousand dollars.

INCREASE OF THE NAVY.

Five battle-
ships.

That for the purpose of further increasing the naval establishment of the United States the President is hereby authorized to have constructed by contract or in navy-yards as hereinafter provided three first-class battle ships carrying the heaviest armor and most powerful ordnance for vessels of their class upon a trial displacement of not more than sixteen thousand tons, and to have the highest practicable speed and great radius of action, and to cost, exclusive of armor and armament, not exceeding four million two hundred and twelve thousand dollars each; two first-class battle ships, carrying the heaviest armor and most powerful ordnance for vessels of their class, upon a trial displacement of not more than thirteen thousand tons, and to have the highest practicable speed and great radius of action, and to cost, exclusive of armor and armament, not exceeding three million five hundred

thousand dollars each; two steel ships, to be used in training landsmen and apprentices, to be propelled by sail, and to cost, exclusive of armament, not exceeding three hundred and seventy thousand dollars each; one wooden brig, to be used for training landsmen and apprentices at stations, to be propelled by sail, and to cost, exclusive of armament, not exceeding fifty thousand dollars; and the contract for the construction of each of said vessels shall be awarded, by the Secretary of the Navy, to the lowest best responsible bidder, having in view the best results and most expeditious delivery; and in the construction of all of said vessels the provisions of the act of August third, eighteen hundred and eighty-six, entitled "An act to increase the naval establishment," as to materials for said vessels, their engines, boilers, and machinery, the contracts under which they are built, the notice of any proposals for the same, the plans; drawings, specifications therefor, and the method of executing said contracts shall be observed and followed, and, subject to the provisions of this act, all said vessels shall be built in compliance with the terms of said act, and in all their parts shall be of domestic machinery; and the steel material shall be of domestic manufacture, and of the quality and characteristics best adapted to the various purposes for which it may be used, in accordance with specifications approved by the Secretary of the Navy; and not more than two of the five battle ships provided for in this act shall be built by one contracting party: *Provided further*, That the Secretary of the Navy may build any or all of the vessels herein authorized in such navy-yards as he may designate, and shall build any of the vessels herein authorized in such navy-yards as he may designate, should it reasonably appear that the persons, firms, or corporations, or the agents thereof, bidding for the construction of any of said vessels, have entered into any combination, agreement, or understanding, the effect, object, or purpose of which is to deprive the Government of fair, open, and unrestricted competition in letting contracts for the construction of any of said vessels.

Two training ships.

One wooden brig.

Contracts, award of.

Material, of domestic manufacture.

Combination, bidders not to enter into.

Submarines, \$500,000 for.

The Secretary of the Navy is hereby authorized, in his discretion, to contract for or purchase subsurface or submarine torpedo boats in the aggregate of, but not exceeding, five hundred thousand dollars: *Provided*, That prior to said purchase or contract for said boats any American inventor or owner of a subsurface or submarine torpedo boat may give reasonable notice and have his, her, or its subsurface or submarine torpedo boat tested by comparison or competition, or both, with a Government subsurface or submarine torpedo boat or any private competitor, provided there be any such, and thereupon the board appointed for conducting such tests shall report the result of said competition or comparison, together with its

recommendations, to the Secretary of the Navy, who may purchase or contract for subsurface or submarine torpedo boats in a manner that will best advance the interests of the United States in submarine warfare: *And provided further*, That before any subsurface or submarine torpedo boat is purchased or contracted for it shall be accepted by the Navy Department as fulfilling all reasonable requirements for submarine warfare and shall have been fully tested to the satisfaction of the Secretary of the Navy. To carry out the purpose aforesaid the sum of five hundred thousand dollars is hereby appropriated out of any money in the Treasury not otherwise appropriated.

- Construction and machinery.** **CONSTRUCTION AND MACHINERY:** On account of the hulls and outfits of vessels and steam machinery of vessels heretofore authorized, fifteen million twenty-five thousand six hundred and thirty-two dollars.
- Armor and armament.** **ARMOR AND ARMAMENT:** Toward the armament and armor of domestic manufacture for the vessels authorized, ten million dollars.
- Equipment.** **EQUIPMENT:** Toward the completion of the equipment of the new vessels authorized, four hundred thousand dollars.

Approved, March 3, 1903.

FIFTY-EIGHTH CONGRESS, SECOND SESSION—APRIL 27, 1904.

[PUBLIC—No. 181.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and five, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

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CONTINGENT, NAVY: * * * *Provided*, That the accounting officers of the Treasury are hereby authorized and directed to allow, in the settlement of the accounts of disbursing officers involved, payments made under the appropriation "Contingent, Navy," to civilian employees appointed by the Navy Department for duty in and serving at naval stations maintained in the island possessions during the fiscal year nineteen hundred and five.

Civilian employees, pay of.

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BUREAU OF ORDNANCE.

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For purchase and installation of machine tools at the navy-yard, Boston, Massachusetts, five thousand dollars. Improvements.
Boston.

Purchase and installation of machine tools at the navy-yard, Portsmouth, New Hampshire, four thousand dollars. Portsmouth.

Purchase and installation of machine tools at the torpedo station, Newport, Rhode Island, five thousand dollars. Newport.

Purchase and installation of machine tools at naval magazine, Lake Denmark, New Jersey, two thousand dollars. Lake Denmark.

Navy-yard, Washington, District of Columbia: Purchase of a fifteen-ton wrecking car, seven thousand five hundred dollars; new and improved machinery for existing shops, one hundred thousand dollars; repairs to boiler plant, three thousand dollars; repairs to cranes, machinery, locomotives, and wrecking car, ten thousand dollars; in all, one hundred and twenty thousand five hundred dollars. Washington.

Navy-yard, Mare Island, California: Purchase and installation of overhead traveling cranes in building numbered one hundred and eleven, thirteen thousand two hundred dollars. Mare Island.

RESERVE GUNS FOR AUXILIARY CRUISERS: Toward the armament of modern guns for auxiliary cruisers men- Reserve guns for auxiliary cruisers.

tioned in the act approved March third, eighteen hundred and ninety-one, and in section four of the act approved May tenth, eighteen hundred and ninety-two, one hundred and twenty-five thousand dollars.

Reserve
guns, purchase
of, for ships.

RESERVE GUNS FOR SHIPS OF THE NAVY: Purchase and manufacture of reserve guns for ships of the Navy, one hundred and twenty-five thousand dollars.

* * * * *

PUBLIC WORKS, BUREAU OF YARDS AND DOCKS, NAVY-YARDS AND STATIONS, NAVAL ACADEMY, AND NEW NAVAL OBSERVATORY.

Portsmouth.

NAVY-YARD, PORTSMOUTH, NEW HAMPSHIRE: Railroad and rolling stock, additions, eight thousand dollars; sewer systems, extensions, five thousand dollars; tools for yards and docks, additional, two thousand dollars; electric plant, extensions, thirty-five thousand dollars; central heating plant, extensions, ten thousand dollars; steel-plant building, for construction and repair (to cost not to exceed one hundred and fifty thousand dollars), to complete, fifty thousand dollars; railroad and wagon scales, eight thousand dollars; electric elevators in new storehouse, eight thousand dollars; crane, hoists, and elevator for chain shed, six thousand dollars; underground conduit system, to continue, fifteen thousand dollars; to enable the Secretary of the Navy to continue and complete his examination concerning the fresh-water supply at the Portsmouth Navy-Yard, directed by the act of July first, nineteen hundred and two, two thousand dollars, or so much thereof as may be needed; in all, one hundred and forty-nine thousand dollars.

Boston.

NAVY-YARD, BOSTON, MASSACHUSETTS: Sewer system, extensions, fifteen thousand dollars; electric-light plant, extensions, twenty thousand dollars; paving, to continue, fifty thousand dollars; railroad system, extensions, twenty thousand dollars; tools for yards and docks, five thousand dollars; underground conduit system, fifteen thousand dollars; approach to dry dock numbered two, fifty thousand dollars; capstans for dry dock numbered one, seven thousand five hundred dollars; wire-rope mill for equipment, sixty-five thousand dollars; anchor and chain shed for equipment, nine thousand three hundred dollars; in all, navy-yard, Boston, two hundred and fifty-six thousand eight hundred dollars.

New York.

NAVY-YARD, NEW YORK, NEW YORK: Paving and grading, to continue, ten thousand dollars; railroad system, extensions, ten thousand dollars; electric plant, extensions, twenty thousand dollars; tools for yards and docks, two thousand dollars; railroad equipment, ten thousand dollars; cranes, seven thousand five hundred dollars; underground conduits, thirty thousand dollars; sewers and drains, six thousand dollars; commandant's quarters,

additions, four thousand five hundred dollars; locomotive and car shed, extensions, five thousand dollars; heating system, extension, ten thousand dollars; latrines, additional, four thousand dollars; extension of building ten, two thousand five hundred dollars; granite and concrete dry dock, to continue, two hundred thousand dollars; prison on Cob Dock, fifty thousand dollars; in all, navy-yard, New York, New York, three hundred and seventy-one thousand five hundred dollars.

NAVY-YARD, LEAGUE ISLAND, PENNSYLVANIA: To continue retaining wall about reserve basin, eighty thousand dollars; grading and paving, to continue, twenty-five thousand dollars; sewer system, extensions, three thousand five hundred dollars; electric plant, extensions, one hundred thousand dollars; railroad system, extensions, five thousand dollars; dredging and filling in Delaware water front, to continue, thirty thousand dollars; water system, extension, eight thousand dollars; underground conduit system, eight thousand dollars; fire-protection system, extensions, ten thousand dollars; sea wall extension, fifty thousand dollars; one officers' quarters, eight thousand dollars; extension of reserve basin, to continue dredging, seventy-five thousand dollars; locomotive crane track, extension, thirty thousand dollars; storehouse for naval supplies, to complete, eighty thousand four hundred and seventy dollars; in all, navy-yard League Island, five hundred and twelve thousand nine hundred and seventy dollars.

NAVY-YARD, WASHINGTON, DISTRICT OF COLUMBIA: Building for power plant, extension, to complete, one hundred and thirty-five thousand nine hundred and sixty-four dollars; coal storage and handling plant for new power plant, nineteen thousand and eighty-four dollars; machinery for power plant, extension, two hundred and five thousand two hundred dollars; sewer system, to extend, ten thousand dollars; walls about extension of yard, thirty-two thousand dollars; grading, to continue, five thousand dollars; paving, to extend, ten thousand dollars; drainage, to extend, five thousand dollars; underground conduit system, extension, ten thousand dollars; dredging, five thousand dollars; electric-light plant, extension, five thousand dollars; telephone and time systems, extensions, two thousand dollars; pipe-fitters' shop, twenty thousand dollars; one locomotive crane, ten thousand dollars; one one-hundred-and-fifty-ton platform scale, three thousand six hundred and seventy-five dollars; building for electric power plant, extension, ninety-seven thousand nine hundred and eighty-three dollars; in all, navy-yard, Washington, five hundred and seventy-five thousand nine hundred and six dollars.

NAVY-YARD, CHARLESTON, SOUTH CAROLINA: Machine shop for steam engineering, to complete, thirty-four thousand dollars; power house for steam engineering, to com-

plete, twenty-five thousand dollars; stone and concrete dry dock, to continue, three hundred thousand dollars; workshop, to complete, thirty thousand dollars; equipment building, to complete, sixty-two thousand five hundred dollars; shipfitters' shop, for construction and repair, to complete, one hundred and fifty thousand dollars; foundry, for construction and repair, to complete, fifty-five thousand dollars; storehouse and storekeeper's office, to complete, fifty thousand dollars; in all, navy-yard, Charleston, South Carolina, seven hundred and six thousand five hundred dollars.

Norfolk.

NAVY-YARD, NORFOLK, VIRGINIA: Purchase of land, four hundred thousand dollars; railroad tracks, extensions, five thousand dollars; machinery and tools for yards and docks, additional, three thousand dollars; fitting-out basin, to complete, fifty-five thousand dollars; piers and slips, one hundred thousand dollars; dredging, five thousand dollars; renewing wharves at entrance to dry docks, fifteen thousand dollars; water-closet at dry docks, five thousand dollars; electric plant, extensions, twenty thousand dollars; storehouse for torpedo-boat outfits, fifty-five thousand dollars; paving and grading, ten thousand dollars; railroad rolling stock, three thousand dollars; fire-protection system, extensions, fifteen thousand dollars; heating system, extensions, two thousand dollars; electric crane in erecting shop, fifteen thousand dollars; concrete and granite dry dock, to continue, two hundred and fifty thousand dollars; improvement to forty-ton locomotive crane, one thousand dollars; in all, navy-yard, Norfolk, Virginia, nine hundred and fifty-nine thousand dollars.

Key West.

NAVAL STATION, KEY WEST, FLORIDA: Fire-protection system, extension, two thousand dollars.

Mare Island.

NAVY-YARD, MARE ISLAND, CALIFORNIA: Railroad system, extensions, fifteen thousand dollars; electric plant, extensions, twenty-five thousand dollars; moving and improving building numbered one hundred and thirteen, five thousand dollars; improvement of channel in Mare Island Strait, one hundred and fifty thousand dollars; storage shed for yards and docks, to extend, three thousand dollars; freight shed, building forty-nine, to extend, three thousand dollars; dry dock water-closets and bath house, to complete, three thousand five hundred dollars; tools for yards and docks, five thousand dollars; sewer system, extensions, five thousand dollars; telephone system, extensions, two thousand dollars; improvement of building forty-six for coppersmiths and plumbers' shop, twenty thousand dollars; improvement of buildings fifty-one, sixty-nine, and seventy-one, nine thousand dollars; building for oil storage, extension, seven thousand five hundred dollars; gallery for building fifty-one, one thousand five hundred dollars; elevators for buildings fifty-one and sixty-nine, four thousand dollars; im-

provement to rigging storeroom, building eighty-seven, five hundred dollars; improvements to medical dispensary, one thousand dollars; in all, navy-yard, Mare Island, two hundred and sixty thousand dollars.

NAVY-YARD, PUGET SOUND, WASHINGTON: Sewer system, extensions, five thousand dollars; to continue grading, thirty thousand dollars; fire-protection system, extensions, four thousand dollars; electric-light plant, extensions, four thousand dollars; telephone system, extensions, two thousand dollars; railroad and equipment, extensions, sixteen thousand dollars; boat shop for construction and repair, to complete (to cost not to exceed one hundred and fifty thousand dollars, for which contract is hereby authorized), fifty thousand dollars; water system, extensions, six thousand dollars; heating system, extensions, six thousand dollars; extension of dry-dock boiler plant, fifteen thousand dollars; locomotive crane and track about dry dock (to cost ninety thousand dollars), to complete, fifty thousand dollars; dredging, ten thousand dollars; quay wall, extension, forty thousand dollars; roads and walks, five thousand dollars; yard scow, to complete, three thousand five hundred dollars; joiner shop, for construction and repair, extension, fifteen thousand dollars; two warrant officers' quarters, six thousand five hundred dollars; coal pockets, ten thousand dollars; timber-storage shed, two thousand dollars; pile driver, two thousand five hundred dollars; fire-alarm system, five thousand dollars; machinery for yards and docks, carpenter shop, two thousand dollars; machinery for yards and docks, machine shop, three thousand dollars; in all, navy-yard, Puget Sound, Washington, two hundred and ninety-two thousand five hundred dollars.

Puget Sound.

NAVY-YARD, PENSACOLA, FLORIDA: Dredging, to continue, ten thousand dollars; central power house (to cost one hundred and four thousand five hundred dollars), sixty thousand dollars; dump scows, twelve thousand dollars; tools for yards and docks, two thousand dollars; ship fitters' shop, building forty-four, extensions, ten thousand dollars; in all, navy-yard, Pensacola, ninety-four thousand dollars.

Pensacola.

NAVAL STATION, NEW ORLEANS, LOUISIANA: Latrines, five thousand five hundred dollars; shops for steam engineering and fittings and grading, thirty-five thousand dollars; improvement of water front, forty-five thousand dollars; levee improvement and grading, thirty thousand dollars; railroad system, twenty-five thousand dollars; paving, twenty thousand dollars; telephone system, three thousand dollars; sewer system, extensions, ten thousand dollars; water system, extensions, eighteen thousand dollars; drainage system, ten thousand dollars; coal bins, five thousand dollars; two buildings for officers' quarters, ten thousand dollars; floor, construction and repair shops, five thousand dollars; two buildings for officers' quarters, ten thousand dollars; central electric light and

New Orleans.

power plant, thirty-seven thousand five hundred dollars; closing Pattison street and Saux lane and grading, two thousand dollars; in all, navy-yard, New Orleans, two hundred and seventy-one thousand five hundred dollars.

Guantanamo.

NAVAL STATION, GUANTANAMO, CUBA: Dry dock, two hundred thousand dollars; dredging at Toro Key, forty thousand dollars; sea wall at Toro Key, seventy-five thousand dollars; reservoir and water system, fifty thousand dollars; clearing and grading, twenty thousand dollars; in all, three hundred and eighty-five thousand dollars.

Tutuila.

NAVAL STATION, TUTUILA: New deck for wharf, five thousand dollars; in all, naval station, Tutuila, five thousand dollars.

Cavite.

NAVAL STATION, CAVITE, PHILIPPINE ISLANDS: Floating steel dry dock, to continue, seven hundred and twenty-five thousand dollars; for improving and enlarging naval prison, ten thousand dollars; in all, seven hundred and thirty-five thousand dollars.

Olongapo.

NAVAL STATION, OLONGAPO, PHILIPPINE ISLANDS: To complete survey of reservation, twenty thousand dollars; for repairing buildings erected by the Spaniards for temporary use as shops, storehouses, offices, and so forth, twenty-five thousand dollars; toward building one thousand seven hundred and fifty feet of quay wall, at one hundred and forty-four dollars per foot (one-fourth), sixty-three thousand dollars; commandant's quarters, nine thousand dollars; three officers' quarters, eighteen thousand dollars; toward constructing Marine barracks and outbuildings, fifty thousand dollars; Marine officers' quarters, six thousand dollars; dredging entrance to basin—channel four hundred by thirty-five feet deep, about twenty-five thousand cubic yards, at thirty cents, seven thousand five hundred dollars; dredging in basin in front of quay walls, one hundred and sixty thousand cubic yards, at thirty cents, for floating dock, forty-eight thousand dollars; water supply from brick-yard springs (capacity fifty thousand gallons in ten hours), eleven thousand feet four-inch galvanized-iron pipe, forty-seven and one-half cents per foot, five thousand two hundred and twenty-five dollars; valves and fittings, two hundred and fifty dollars; freight and transportation, seven hundred and twenty dollars; distribution in the yard, one thousand five hundred dollars; laying pipes, three thousand two hundred dollars; temporary reservoir, forty by forty by ten feet, capacity one hundred thousand gallons, five thousand dollars; one pier for use in landing and receiving stores for immediate use, one hundred thousand dollars; toward coaling plant, five hundred thousand dollars; in all, eight hundred and sixty-two thousand three hundred and ninety-five dollars.

Power plants, consolidation of, at navy yards.

The Secretary of the Navy is hereby authorized, in his discretion, to consolidate the several power plants in any or all of the several navy-yards and stations at each navy-

yard and station under the Bureau of Yards and Docks for the generation and distribution of light, heat, and power for all the purposes of the Navy. To the above end all such plants may be transferred from other bureaus to the Bureau of Yards and Docks, and all appropriations heretofore made for power houses and power plants for bureaus other than Yards and Docks are hereby reappropriated and made available under the Bureau of Yards and Docks for the consolidations herein provided for; and to further carry out the purposes of this provision there is hereby appropriated the sum of three hundred thousand dollars.

* * * * *

PLANS AND SPECIFICATIONS FOR PUBLIC WORKS: For the preparation of plans and specifications for public works, and for plans and estimates required by section thirty-six hundred and sixty-three, Revised Statutes, for public works, forty-five thousand dollars.

Plans and specifications.

* * * * *

UNDER THE SECRETARY OF THE NAVY.

BUILDINGS AND GROUNDS, NAVAL ACADEMY: Toward the construction and furnishing of buildings, and for other necessary improvements, at the Naval Academy, Annapolis, Maryland, as authorized by the acts of Congress approved June seventh, nineteen hundred, and March third, nineteen hundred and three, three million dollars.

In order to further improve the grounds at the Naval Academy and secure the best site for the naval hospital heretofore authorized and appropriated for, the removal of the cemetery from its present site to another to be selected is authorized, if the Secretary, in his discretion, shall deem advisable, and to this end the sum of thirty thousand dollars, or so much as is necessary, to be immediately available, is authorized to be expended out of the three million dollars above appropriated.

Naval Academy Hospital.

PUBLIC WORKS UNDER BUREAU OF NAVIGATION.

NAVAL TRAINING STATION, CALIFORNIA (BUILDINGS): Salt-water fire-protection system, fourteen thousand dollars; ventilation and sanitary improvement of barracks for increased cleanliness and to prevent spread of contagious diseases, five thousand dollars; in all, nineteen thousand dollars.

Buildings: California.

NAVAL TRAINING STATION, RHODE ISLAND (BUILDINGS): Continuing sea wall on west side of island, and completing breakwater, ten thousand dollars; moving and rebuilding stables and farmer's house to clear site for officers' quarters, four thousand dollars; in all, naval training station, Rhode Island, fourteen thousand dollars.

Rhode Island.

NAVAL TRAINING STATION, GREAT LAKES: The purchase of land and the establishment of a naval training station

Great Lakes, establishment of station at.

on the Great Lakes, two hundred and fifty thousand dollars. The President is hereby authorized and empowered to appoint a board consisting of not less than three members, none of whom shall be a resident of any State bordering on the Great Lakes, whose duty it shall be to select the most available site for such naval training station on the Great Lakes, and having selected such site, to ascertain and report its probable cost and the probable expenditure which will be necessary for improving the same, including lake shore protection and construction of necessary harbor facilities; and to make a detailed report of their findings and proceedings to the President who, upon approval of such report, shall authorize the purchase of such site and the establishment of such naval training station. And to defray the expenses of said board, the sum of five thousand dollars, or so much thereof as may be necessary, to be immediately available, is hereby appropriated out of any money in the Treasury not otherwise appropriated.

War College. **NAVAL WAR COLLEGE, RHODE ISLAND (BUILDINGS):** Altering the building formerly belonging to training station and fitting the same for occupancy by officers of the war college, six thousand five hundred dollars.

Furniture for the extension of the Naval War College now nearing completion, one thousand six hundred and twenty-five dollars.

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PUBLIC WORKS, BUREAU OF ORDNANCE.

Magazine,
New England
coast, purchase
of land for.

For naval magazine, New England: "For the purchase of land for a site for a naval magazine on or near the New England coast, north of Cape Cod, and toward the erection thereon of the necessary buildings, of inclosing said grounds, of grading and filling in, of building roads and walks, of the improvement of the water front, of the necessary wharves and cranes, of railroad tracks and rolling stock for local service, of fire and water service, and of the equipment of the establishment, seventy thousand dollars, or as much thereof as may be necessary; and the Secretary of the Navy may employ, and pay out of the appropriation hereby authorized, such additional expert aids, surveyors, architects, superintendents of construction, or draftsmen as may be necessary for the preparation of the plans and specifications and prosecution of the work authorized, to an amount not to exceed fifteen thousand dollars: *Provided*, That the total cost of the establishment, complete in all respects, shall not exceed the sum of five hundred thousand dollars: *And provided further*, That should the Secretary of the Navy be unable to purchase the land for the site from the owners thereof, at a fair and reasonable valuation, he is hereby authorized and directed to institute proceedings for the condemnation of such part or parts

thereof as may be necessary: *And provided further*, That the Secretary of the Navy is hereby authorized and directed to discontinue the magazine now in the city of Chelsea not later than the time when the new magazine for the New England coast is ready to be occupied.”

Magazine, Chelsea, discontinue.

NAVAL POWDER DEPOT, LAKE DENMARK, NEW JERSEY: Improvements to present water system, new water mains, hydrants, and so forth, six thousand dollars; additional filling house, two thousand dollars; lengthening railroad switch, two thousand dollars; in all, naval magazine, Dover, Lake Denmark, New Jersey, ten thousand dollars.

Improvements, Lake Denmark.

NAVAL MAGAZINE, SAINT JULIENS CREEK, NORFOLK, VIRGINIA: One magazine building, including lightning protection, track connections, and so forth, ten thousand dollars; extension of gun-cotton magazine, one thousand one hundred dollars; in all, eleven thousand one hundred dollars.

St. Juliens Creek.

NAVAL TORPEDO STATION, NEWPORT, RHODE ISLAND: Addition to chemical laboratory, one thousand dollars; addition to seamen's quarters and central latrine for employees, one thousand six hundred dollars; coal shed and shed for fire hose and fire apparatus, one thousand five hundred dollars; fireproof storehouse for torpedo-boat supplies, thirty thousand dollars; in all, Newport, Rhode Island, thirty-four thousand one hundred dollars.

Torpedo station, Newport.

NAVAL PROVING GROUND, INDIAN HEAD, MARYLAND: Concreting range battery, three thousand five hundred dollars; improvements to wharves and slips, eight thousand dollars; sulphuric-acid plant, consisting of the necessary buildings and apparatus for making sulphuric acid, fifty-five thousand dollars; coal-storage and coal-handling facilities, ten thousand dollars; additional powder magazines, twenty thousand dollars; extension of boiler plant, twenty-five thousand dollars; in all, naval proving ground, Indian Head, one hundred and twenty-one thousand five hundred dollars.

Indian Head.

NAVAL MAGAZINE, FORT MIFFLIN, PENNSYLVANIA: New powder magazine, including lightning protection, track connections, and so forth, twenty thousand dollars;

Fort Mifflin.

NAVAL MAGAZINE, MARE ISLAND, CALIFORNIA: One observation magazine for suspected powders, five hundred dollars; one filling house, one thousand seven hundred dollars;

Mare Island.

NAVAL MAGAZINES, PHILIPPINE ISLANDS: Powder magazines, shell and filling houses, and so forth, fifty thousand dollars;

Philippine Islands.

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UNDER BUREAU OF EQUIPMENT.

NAVAL OBSERVATORY: For grounds and roads; continuing grading, extending roads and paths, clearing and improving grounds, five thousand dollars;

Naval Observatory.

Fence: Materials for fence to inclose the whole of the Observatory grounds, two thousand eight hundred dollars.

BUREAU OF MEDICINE AND SURGERY.

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Remains transportation of. TRANSPORTATION OF REMAINS: To enable the Secretary of the Navy, in his discretion, to cause to be transferred to their homes the remains of officers and enlisted men of the Navy and Marine Corps who die or are killed in action ashore or afloat, and also to enable the Secretary of the Navy, in his discretion, to cause to be transported to their homes the remains of civilian employees who die outside of the continental limits of the United States, fifteen thousand dollars: *Provided*, That the sum herein appropriated shall be available for payment for transportation of the remains of officers and men who have died while on duty at any time since April twenty-first, eighteen hundred and ninety-eight, and shall be available until used, and applicable to past as well as future obligations.

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PUBLIC WORKS UNDER BUREAU OF MEDICINE AND SURGERY.

Improve-ments, naval hospitals. NAVAL HOSPITAL, NORFOLK, VIRGINIA: Changing officers' quarters into wards for enlisted men, and building quarters for officers outside of naval hospital, twenty thousand dollars.

Norfolk.

Canacao. NAVAL HOSPITAL, CANACAO, PHILIPPINE ISLANDS: Naval hospital at Canacao, Philippine Islands, to complete, seventy thousand dollars.

SUPPLIES AND ACCOUNTS.

Pay department stores, sale of. PROVISIONS, NAVY: * * * It is "*Provided*, That pay department stores may be sold to civilian employees at naval stations beyond the continental limits of the United States and in Alaska, under such regulations as the Secretary of the Navy may prescribe.

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BUREAU OF CONSTRUCTION AND REPAIR.

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Two seagoing tugs. For seagoing tugs: "Two seagoing tugs, with all fittings, complete, each, one hundred and seventy-five thousand dollars."

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STEAM ENGINEERING.

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Steam turbine, test of. EXTENDED TESTS OF MARINE STEAM TURBINES: For an extended series of tests, and for original investigation

and research, in connection with the determination of the efficiency, economy, adaptability, and endurance of the steam turbine for naval purposes, twenty-five thousand dollars.

Machinery plant, navy-yard, Boston, Massachusetts: Necessary to furnish new power plant and a number of locomotive cranes required for handling heavy parts of machinery, seventy-five thousand dollars. Machinery plants at navy yards. Boston.

Machinery plant, navy-yard, Norfolk, Virginia: To furnish new and additional tools for pattern shops and foundry; also to furnish condensing apparatus for the new power plant, air compressors, and locomotive cranes, fifty thousand dollars. Norfolk.

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NAVAL ACADEMY.

PAY OF PROFESSORS AND OTHERS, NAVAL ACADEMY:

* * * Provides "that the President be authorized, by and with the advice and consent of the Senate, to appoint a professor of mathematics of the rank of commander to rank after Aaron Nichols Skinner and to be an extra number in the list of professors of mathematics in the Navy." A. N. Skinner, appointment of a professor, mathematics.

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For "one assistant instructor in gymnastics, one thousand dollars; one clerk to the Superintendent, nine hundred dollars; one assistant baker, five hundred and forty dollars; one mechanic in department of physics, seven hundred and twenty dollars; one cook, six hundred dollars; * * * ." Additional employees.

Provides "that subject to the restrictions imposed by existing law, boatswains, gunners, and warrant machinists shall be eligible for appointment to the grade of ensign after four years' service as warrant officers, and boatswains, gunners, carpenters, and sailmakers shall be eligible for appointment as chief boatswains, chief gunners, chief carpenters, and chief sailmakers after six years from date of warrant." Ensigns, appointment of from warrant officers.

MARINE CORPS.

PAY, MARINE CORPS: * * *

Provides for * * * "additional compensation for enlisted men of the Marine Corps regularly detailed as gun pointers, messmen, signalmen, or holding good conduct medals, pins or bars * * * ." Compensation, extra to enlisted men.

MILITARY STORES, MARINE CORPS: * * *

To reimburse the Ordnance Department, United States Army, for two thousand magazine rifles, caliber thirty, latest model, delivered to the assistant quartermaster, United States Marine Corps, Philadelphia, Pennsylvania. Army rifles, reimbursement for.

vania, on August seventeenth, nineteen hundred and three, twenty-eight thousand five hundred and forty dollars, to remain available not to exceed two years, to replace like ordnance stores.

Marine officers, retirement of.

* * * * *

Provides "that officers of the Marine Corps with creditable records who served during the civil war shall, when retired, be retired in like manner and under the same conditions as provided for officers of the Navy who served during the civil war."

PUBLIC WORKS, MARINE CORPS.

Improvements to barracks. Portsmouth.

Barracks and quarters, Marine Corps: Construction and completion of one brick boiler house and bakery, navy-yard, Portsmouth, New Hampshire, five thousand dollars;

Boston.

Installation of electric lights in barracks and officers' quarters, navy-yard, Boston, Massachusetts, two thousand five hundred dollars;

Washington.

Construction and completion of an addition to marine barracks, including the erection and furnishing of a band room, mess hall, men's kitchen, and men's gymnasium, marine barracks, Washington, District of Columbia, one hundred and fifty thousand dollars;

New Orleans.

Construction and completion of marine barracks and one set of officers' quarters, six thousand five hundred dollars, which sum shall be in addition to fifteen thousand dollars appropriated for this object in the naval appropriation act approved March third, nineteen hundred and one, naval station, New Orleans, Louisiana, six thousand five hundred dollars;

Olongapo.

Construction and equipment of a cold-storage and ice plant, Olongapo, Philippine Islands, five thousand dollars;

Total public works under Marine Corps, one hundred and sixty-nine thousand dollars.

INCREASE OF THE NAVY.

That for the purpose of further increasing the Naval Establishment of the United States, the President is hereby authorized to have constructed by contract or in navy-yards as hereinafter provided—

One battle-ship.

One first-class battle ship, carrying the heaviest armor and most powerful armament for a vessel of its class upon a trial displacement of not more than sixteen thousand tons; to have the highest practicable speed and great radius of action, and to cost, exclusive of armor and armament, not exceeding four million four hundred thousand dollars.

Two armored cruisers.

Two first-class armored cruisers, of not more than fourteen thousand five hundred tons trial displacement, carry-

ing the heaviest armor and most powerful armament for a vessel of its class; to have the highest practicable speed and great radius of action, and to cost, exclusive of armor and armament, not exceeding four million four hundred thousand dollars each.

Three scout cruisers, of not more than three thousand seven hundred and fifty tons trial displacement, carrying the most powerful ordnance of vessels of their class; to have the highest speed compatible with good cruising qualities and great radius of action, and to cost exclusive of armament, not exceeding one million eight hundred thousand dollars each.

Three scout
cruisers.

Two colliers, to be capable of accompanying the battle fleet; to carry five thousand tons of cargo coal, loaded, and to have a trial speed of not less than sixteen knots, to cost not exceeding one million two hundred and fifty thousand dollars each. Said colliers shall be built in navy-yards, one on the Pacific and the other on the Atlantic coast, the same to be designated by the Secretary of the Navy.

Two colliers.

Where built.

And the contract for the construction of said vessels shall be awarded by the Secretary of the Navy to the lowest best responsible bidder, having in view the best results and most expeditious delivery; and in the construction of all of said vessels the provisions of the act of August third, eighteen hundred and eighty-six, entitled "An act to increase the naval establishment," as to materials for said vessels, their engines, boilers, and machinery, the contracts under which they are built, the notice of any proposals for the same, the plans, drawings, specifications therefor, and the method of executing said contracts shall be observed and followed, and, subject to the provisions of this act, all said vessels shall be built in compliance with the terms of said act, and in all their parts shall be of domestic manufacture; and the steel material shall be of domestic manufacture, and of the quality and characteristics best adapted to the various purposes for which it may be used, in accordance with specifications approved by the Secretary of the Navy; and not more than two of the vessels provided for in this act shall be built by one contracting party: *Provided*, That the Secretary of the Navy may build any or all of the vessels herein authorized in such navy-yards as he may designate, and shall build any of the vessels herein authorized in such navy-yards as he may designate, should it reasonably appear that the persons, firms, or corporations, or the agents thereof, bidding for the construction of any of said vessels have entered into any combination, agreement, or understanding the effect, object, or purpose of which is to deprive the Government of fair, open, and unrestricted competition in letting contracts for the construction of any of said vessels.

Contract,
award of.

Where built.

Submarines,
\$850,000 for.

The Secretary of the Navy is hereby authorized, in his discretion, to contract for or purchase subsurface or submarine torpedo boats in the aggregate of, but not exceeding, eight hundred and fifty thousand dollars: *Provided*, That prior to said purchase or contract for said boats any American inventor or owner of a subsurface or submarine torpedo boat may give reasonable notice and have his, her, or its subsurface or submarine torpedo boat tested by comparison or competition, or both, with a Government subsurface or submarine torpedo boat or any private competitor, provided there be any such, and thereupon the board appointed for conducting such tests shall report the result of such competition or comparison, together with its recommendations, to the Secretary of the Navy, who may purchase or contract for subsurface or submarine torpedo boats in a manner that will best advance the interests of the United States in torpedo or submarine warfare: *And provided further*, That before any subsurface or submarine torpedo boat is purchased or contracted for it shall be accepted by the Navy Department as fulfilling all reasonable requirements for submarine warfare and shall have been fully tested to the satisfaction of the Secretary of the Navy. To carry out the purpose aforesaid the sum of eight hundred and fifty thousand dollars is hereby appropriated out of any money in the Treasury not otherwise appropriated; and to make up said sum of eight hundred and fifty thousand dollars, the sum of five hundred thousand dollars carried, or such parts thereof as may remain unexpended, and authorized in the naval appropriation act, approved March third, nineteen hundred and three, is hereby reappropriated.

Construction
and machinery.

CONSTRUCTION AND MACHINERY: On account of the hulls, outfits, and machinery of vessels, and steam machinery of vessels heretofore authorized, nineteen million eight hundred and twenty-six thousand eight hundred and sixty dollars.

Armor and
armament.

ARMOR AND ARMAMENT: Toward the armament and armor of domestic manufacture for the vessels authorized, twelve million dollars.

The Secretary of the Navy is hereby authorized to procure by contract armor of the best quality for any or all vessels herein authorized at such price as in his judgment is just and reasonable.

Approved, April 27, 1904.

FIFTY-EIGHTH CONGRESS, THIRD SESSION, MARCH 3, 1905.

[PUBLIC—No. 214.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and six, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

PAY OF THE NAVY.

It is * * * "Provided, That the sum of two million five hundred thousand dollars from the unexpended balances remaining in the Treasury under appropriations 'Pay of the Navy, nineteen hundred and two,' and 'Pay of the Navy, nineteen hundred and three,' is hereby re-appropriated for the 'Pay of the Navy for the fiscal year ending June thirtieth, nineteen hundred and six.'" Unexpended balances, re-appropriated.

BUREAU OF ORDNANCE.

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For tools, such as milling machines, planer, burnisher, band saw, wood-turning lathe, grindstone, and so forth, at navy-yard, Portsmouth, New Hampshire, five thousand dollars. Improvements at navy yards.
Portsmouth.
New York.
Washington.
Traveling cranes for ordnance machine shop at navy-yard, New York, six thousand three hundred dollars.
Navy-yard, Washington, District of Columbia, namely: New and improved machinery for existing shops, one hundred thousand dollars; the third-fourth boilers and installation of same, fifty thousand dollars; new locomotive, eight thousand dollars * * *
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BUREAU OF EQUIPMENT.

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OCEAN AND LAKE SURVEYS: * * *. It is *Provided*, That one thousand five hundred dollars may be expended by the Secretary of the Navy in procuring a survey and estimate of cost for a channel into Welles Harbor, Midway Islands. Welles Harbor.
Midway Islands, channel into.
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PUBLIC WORKS, BUREAU OF YARDS AND DOCKS.

NAVY-YARD, PORTSMOUTH, NEW HAMPSHIRE: Railroad and rolling stock, additions, five thousand dollars; sewer systems, extension, five thousand dollars; underground Portsmouth.

conduit system, to continue, ten thousand dollars; quay walls, to extend, seventy thousand dollars; grading, to continue, thirty thousand dollars; piers and slips, to extend, twenty-five thousand dollars; fittings for dry dock numbered two, thirty-five thousand dollars; sidewalks and streets, five thousand dollars; boiler shop for steam engineering, to cost completed not to exceed one hundred and forty thousand dollars, seventy-five thousand dollars; toward pattern shop for steam engineering, thirty-nine thousand four hundred dollars; rebuilding and extending coaling plant, thirty thousand dollars; telephone system, extension, one thousand dollars; naval prison, administration building (to cost one hundred and thirty thousand dollars), seventy thousand dollars; in all, four hundred thousand four hundred dollars.

Boston.

NAVY-YARD, BOSTON, MASSACHUSETTS: Sewer system, extensions, fifteen thousand dollars; paving, to continue, twenty-five thousand dollars; railroad system, extensions, twelve thousand five hundred dollars; water system, extensions, five thousand two hundred and thirty dollars; track for traveling crane, extension, thirty-four thousand three hundred and ten dollars, fire-protection system, to extend, eight thousand five hundred dollars; foundations for steam engineering tools, four thousand two hundred and sixty dollars; approach to dry dock numbered one, forty-three thousand one hundred dollars; oil storehouse, fifteen thousand dollars; in all, navy-yard, Boston, one hundred and sixty-two thousand nine hundred dollars.

New York.

NAVY-YARD, NEW YORK, NEW YORK: Paving and grading, to continue, ten thousand dollars; railroad system, extensions, eight thousand dollars; electric plant, extensions, ten thousand dollars; railroad equipment, additional, five thousand dollars; underground conduits, extensions, ten thousand dollars; sewers and drains, additional, five thousand dollars; latrines, additional, four thousand dollars; telephone system, extension, two thousand dollars; scale house and scales, six thousand dollars; auxiliary hoist for one-hundred-ton crane, twenty thousand dollars; bridge between buildings six and one hundred and fifteen, one thousand two hundred dollars; improvement in building eight, one thousand dollars; in all, navy-yard, New York, eighty-two thousand two hundred dollars.

League Island.

NAVY-YARD, LEAGUE ISLAND, PENNSYLVANIA: To continue retaining wall about reserve basin, one hundred thousand dollars; grading and paving, to continue, twenty thousand dollars; sewer system, extensions, ten thousand dollars; railroad system, extension, twelve thousand dollars; dredging and filling in Delaware water front, to continue, thirty thousand dollars; water system, extension, five thousand dollars; fire-protection system, extensions, five thousand dollars; extension of

reserve basin, to continue dredging, seventy-five thousand dollars; locomotive crane track, extension, twenty-five thousand dollars; underground conduit system, extension, fifteen thousand dollars; telephone system, improvements, two thousand five hundred dollars; extension of building twenty-four, three thousand dollars; locomotive crane for yards and docks, seven thousand five hundred dollars; berth for receiving ship, twenty thousand dollars; water-closets, additional, five thousand dollars; pump and boiler for caisson, dry dock numbered one, two thousand dollars; piers, extensions, forty thousand dollars; in all, navy-yard, League Island, three hundred and seventy-seven thousand dollars.

NAVY-YARD, WASHINGTON, DISTRICT OF COLUMBIA: Paving, to extend, eight thousand dollars; underground conduit system, to extend, five thousand dollars; dredging, to continue, five thousand dollars; building for electric power plant extension, to complete, seventy-five thousand dollars; fire and telephone station and naval prison building, fourteen thousand dollars; fire-protection system, to extend, five thousand dollars; railroad system, to extend, five thousand dollars; heating system, extension, five thousand dollars; water system, to extend, fifteen thousand dollars; in all, navy-yard, Washington, one hundred and thirty-seven thousand dollars.

Washington.

NAVY-YARD, CHARLESTON, SOUTH CAROLINA: Stone and concrete dry dock, to continue, two hundred and fifty thousand dollars; approach to dry dock, fifty-seven thousand dollars; equipment for yards and docks workshop, five thousand dollars; grading and paving, fifteen thousand dollars; railroad system, extensions, five thousand dollars; railroad equipment, five thousand dollars; water system, extension, four thousand dollars; fire-protection system, five thousand dollars; machinery for yards and docks power house, fifty thousand dollars; in all, navy-yard, Charleston, South Carolina, three hundred and ninety-six thousand dollars.

Charleston.

NAVY-YARD, NORFOLK, VIRGINIA: Piers and slips, to continue, fifty thousand dollars; dredging, to continue, five thousand dollars; electric plant, extensions, twenty thousand dollars; paving and grading, additional, seven thousand five hundred dollars; railroad rolling stock, additional, three thousand dollars; fire-protection system, extensions, five thousand dollars; heating system, extensions, three thousand dollars; locomotive, six thousand dollars; underground conduit system, ten thousand dollars; improvement to one-hundred-ton shears, fifteen thousand dollars; telephone system, extensions, two thousand dollars; sewers, extensions, three thousand dollars; wharf extension at Saint Helena, eight thousand five hundred dollars; roads at Saint Helena, four thousand dollars; storehouse and issuing room for clothing at Saint Helena, three thousand five hundred dollars; house for

Norfolk.

contagious diseases, two thousand five hundred dollars; in all, navy-yard, Norfolk, Virginia, one hundred and forty-eight thousand dollars.

Key West. NAVAL STATION, KEY WEST, FLORIDA: Fire-protection system, extension, three thousand dollars; pumping plant for fresh water, five thousand dollars; dredging and filling in, fifteen thousand dollars; water system, six thousand dollars; in all, navy-yard, Key West, Florida, twenty-nine thousand dollars.

Mare Island. NAVY-YARD, MARE ISLAND, CALIFORNIA: Railroad system, extension, five thousand dollars; electric-plant system, extension, five thousand dollars; improvement of channel in Mare Island Strait, to continue, one hundred thousand dollars; sewer system, extensions, three thousand dollars; telephone system, extensions, one thousand dollars; paving and grading, to continue, ten thousand dollars; heating system, extension, five thousand dollars; addition to fire-engine house, building ninety-nine, four thousand dollars; two floats, four thousand dollars; improvements to building seventy-seven, one thousand five hundred dollars; improvements to building seventy-one, five hundred dollars; moving and improving washhouse, four thousand two hundred dollars; completion of torpedo-boat wharf, three thousand dollars; shed for condemned provisions, one thousand dollars. For the purpose of preparing and equipping yard for the construction of vessels, one hundred and seventy-five thousand dollars; in all, navy-yard, Mare Island, three hundred and twenty-two thousand two hundred dollars.

Puget Sound. NAVY-YARD, PUGET SOUND, WASHINGTON: Sewer system, extensions, five thousand dollars; to continue grading, twenty thousand dollars; fire-protection system, extensions, ten thousand dollars; electric-light plant, extensions, ten thousand dollars; telephone system, extensions, one thousand five hundred dollars; railroad and equipment, extensions, six thousand dollars; boat shop for construction and repair, to equip and complete, twenty-five thousand dollars; water system, extensions, three thousand dollars; heating system, extensions, six thousand dollars; locomotive and crane track about dry dock, to continue, thirty thousand dollars; dredging, to continue, ten thousand dollars; quay wall, extension, twenty-five thousand dollars; roads and walks, extensions, five thousand dollars; joiner shop, for construction and repair, to complete, five thousand dollars; machinery for yards and docks, two thousand dollars; piers, additional, fifty thousand dollars; in all, navy-yard, Puget Sound, Washington, two hundred and thirteen thousand five hundred dollars.

Pensacola. NAVY-YARD, PENSACOLA, FLORIDA: Central power house (to complete), forty-four thousand five hundred dollars; tools for yards and docks, two thousand dollars; water system, ten thousand dollars; fire-protection system, five

thousand dollars; closets and lavatories, three thousand five hundred dollars; garbage crematory, seven thousand five hundred dollars; machinery for central power house (to cost one hundred and twenty thousand dollars), fifty thousand dollars; railroad track and equipment, ten thousand dollars; telephone system, extensions, two thousand dollars; elevator for building numbered one, one thousand dollars; in all, navy-yard, Pensacola, one hundred and thirty-five thousand five hundred dollars.

NAVAL STATION, NEW ORLEANS, LOUISIANA: Improvement of water front, fifty thousand dollars; levee improvement and grading, ten thousand dollars; paving, ten thousand dollars; sewer system, extensions, five thousand dollars; water system, extensions, five thousand dollars; machinery and tools for yards and docks shop, five thousand dollars; fire-protection system, ten thousand dollars; in all, navy-yard, New Orleans, ninety-five thousand dollars: *Provided*, That the appropriation of ten thousand dollars for quarters for commandant and two officers' quarters for fourteen thousand dollars, authorized under the naval appropriation act for nineteen hundred and three, and two officers' quarters for ten thousand dollars, authorized under the naval appropriation act for nineteen hundred and five, are hereby consolidated for four officers' quarters at the naval station, New Orleans, Louisiana.

New Orleans.

NAVAL STATION, TUTUILA, SAMOAN ISLANDS: Lumber shed, five hundred dollars; boathouse, five hundred dollars; in all, naval station, Tutuila, one thousand dollars.

Tutuila.

NAVAL STATION, OLONGAPO, PHILIPPINE ISLANDS: Repairs to existing buildings, twenty-five thousand dollars; drainage canal, to complete, twenty-five thousand dollars; water system, to extend, twenty thousand dollars; roads and bridges, five thousand dollars; sewer system, fifteen thousand dollars; tools for general use, two thousand dollars; hoisting machinery, four thousand dollars; rock crusher and appurtenances, four thousand dollars; in all, one hundred thousand dollars.

Olongapo.

NAVAL STATION, ISLAND OF GUAM: Dredging, five thousand dollars; extension of naval-station roads, five thousand dollars; in all, ten thousand dollars.

Guam.

PLANS AND SPECIFICATIONS FOR PUBLIC WORKS: Plans and estimates required by section thirty-six hundred and sixty-three, Revised Statutes, and plans and specifications for public works, thirty thousand dollars.

Plans and estimates.

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PUBLIC WORKS UNDER THE SECRETARY OF THE NAVY.

BUILDINGS AND GROUNDS, NAVAL ACADEMY: Toward the construction of buildings, and for other necessary improvements at the Naval Academy, Annapolis, Maryland, as authorized by the acts of Congress approved

Naval Academy.

June seventh, nineteen hundred, and March third, nineteen hundred and three, eight hundred thousand dollars.

PUBLIC WORKS UNDER BUREAU OF NAVIGATION.

Improvements at naval training stations. California. NAVAL TRAINING STATION, CALIFORNIA, BUILDINGS: To complete salt water fire pumping system, hose, and hose houses, two thousand dollars; to complete and repair roads to wireless telegraph station on hill, one thousand five hundred dollars; painting outside and inside of officers' quarters, and repairs, two thousand dollars; necessary work on road from Pensacola wharf to barracks, five thousand dollars; heating mains, four thousand five hundred dollars; in all, fifteen thousand dollars.

Rhode Island. NAVAL TRAINING STATION, RHODE ISLAND, BUILDINGS: Extension of buildings, increase of heating and lighting plants to afford sufficient capacity for new barracks and lecture room, and enlarging and covering coal bin, forty thousand dollars; additional story to assembly, lecture, and reading room, completion of same, in accordance with original plans, and furnishing of same, eleven thousand five hundred dollars; fire engine, with hose wagon, one thousand feet of hose, and small hose house, nine thousand dollars; furnishing the three double sets of officers' quarters, papering walls, oiling floors, supplying carpets and window shades, constructing roads and walks, and terracing, eleven thousand dollars; repairs to timber wharf and renewal of worn-out piling, two thousand dollars; feed cable for connecting the generating plant with officers' new quarters, one thousand dollars; in all, naval training station, Rhode Island, seventy-four thousand five hundred dollars.

Naval War College. NAVAL WAR COLLEGE, RHODE ISLAND, BUILDINGS: For furniture for officers' quarters in building numbered ten formerly belonging to training station, two thousand dollars; for alterations to main war college building to improve lecture room, provide more committee rooms and offices, new entrance in rear, and change main stairway, repairs to and painting of main building, repairs to electric installations, and providing new feeder from generator station, three thousand dollars; in all, five thousand dollars.

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PUBLIC WORKS, BUREAU OF ORDNANCE.

Improvements, naval magazines. NAVAL MAGAZINE, NEW YORK HARBOR (IONA ISLAND): Steam fire pump, two thousand dollars; new roof for administration building and repairs to walls, two thousand dollars; * * *

Dover. NAVAL MAGAZINE, DOVER, NEW JERSEY: For naval powder depot, Lake Denmark, New Jersey: Cleaning,

filling in, grading, and erecting fences on tract of seventy-eight acres acquired by purchase last year as a source of water supply for the reservation, six thousand dollars; standpipe, one hundred and eighty thousand gallons capacity, for fire protection, electric pump for filling same, and extension to pump house for its accommodation, eleven thousand eight hundred dollars; thirteen small houses, each five by six feet, to be erected at hydrants for protection of hose kept for fire protection, one thousand six hundred dollars; new charging station and pipes for extension of supply of air for air locomotive, seven hundred and fifty dollars; retaining wall, fixed ammunition house numbered one, five hundred dollars; eco magneto watchman's clock system, to insure proper watch service, two thousand dollars. * * *

St. Juliens Creek. \

NAVAL MAGAZINE, SAINT JULIENS CREEK, NORFOLK, VIRGINIA: Repairing telephone line from navy-yard, one thousand dollars; improvement of the fire system, water tower and tank, pumping machinery, sprinklers, additional pipes, valves, and relaying pipes, fifteen thousand dollars; two steel frame corrugated galvanized-iron filling houses, twenty by thirty feet each, at one thousand dollars, two thousand dollars; * * *

Indian Head.

NAVAL PROVING GROUND, INDIAN HEAD, MARYLAND: Repairs to creek wharf and water front, three thousand dollars; magazines for experimental purposes, seven thousand dollars; repairs to nitric-acid factory, ten thousand dollars; for grading, draining, clearing brush, five thousand dollars; * * *

Fort Mifflin.

NAVAL MAGAZINE, FORT MIFFLIN, PENNSYLVANIA: Fresh-water cistern of about sixty-five thousand gallons capacity, with pump and connections, one thousand five hundred and fifty dollars; rebuild sea wall west of pier, ten thousand dollars; renew cribwork and repair wharf, five thousand dollars; * * *

PUBLIC WORKS UNDER BUREAU OF EQUIPMENT.

Naval Observatory.

NAVAL OBSERVATORY: Grounds and roads; continuing grading, extending roads and paths, clearing and improving grounds, ten thousand dollars.

PUBLIC WORKS UNDER BUREAU OF MEDICINE AND SURGERY.

Improvements, naval hospital, Chelsea.

NAVAL HOSPITAL, CHELSEA, MASSACHUSETTS: Changing officers' quarters into wards for enlisted men, and building quarters for officers outside of naval hospital, twenty thousand dollars.

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BUREAU OF SUPPLIES AND ACCOUNTS.

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Freight charges, consolidation of. For freight, Bureau of Supplies and Accounts: "All freight charges pertaining to the Navy Department and its bureaus, except the transportation of coal for the Bureau of Equipment, four hundred thousand dollars."

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BUREAU OF STEAM ENGINEERING.

* * * * *

Machinery plants, navy yards, New York. For machinery plant, navy-yard, New York, New York: "New and additional tools for copper, boiler, machine, and pattern shops and foundry, and for an additional portable tool house, and for a thirty-foot locomotive crane, forty thousand dollars."

Pensacola. Machinery plant, navy-yard, Pensacola, Florida: Tools for use in repair of naval vessels, to replace others worn out, fifteen thousand dollars.

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Assistant to Chief of Bureau Steam Engineering, creation of. Provides "that a line officer of the Navy may be detailed as assistant to the Chief of the Bureau of Steam Engineering in the Navy Department, and that such officer during such detail shall receive the highest pay of his grade, and in case of death, resignation, absence, or sickness of the Chief of the Bureau shall, unless otherwise directed by the President, as provided by section one hundred and seventy-nine of the Revised Statutes, perform the duties of such chief until his successor is appointed or such absence or sickness shall cease."

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PUBLIC WORKS, MARINE CORPS.

Improvements to barracks. For barracks and quarters, Marine Corps: "Completion of guardroom, prison, and amusement room for enlisted men, Washington, District of Columbia, twenty-five thousand dollars."

Norfolk. Water tower, rain-water cistern, pumps, and connections with local water service, navy-yard, Norfolk, Virginia, twenty-five thousand dollars.

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INCREASE OF THE NAVY.

Two battle-ships. That for the purpose of further increasing the naval establishment of the United States, the President is hereby authorized to have constructed by contract or in navy-yards as hereinafter provided—
Two first-class battle ships, carrying the heaviest armor and most powerful armament for vessels of their

class upon a maximum trial displacement of not more than sixteen thousand tons; to have the highest practicable speed and great radius of action, and to cost, exclusive of armor and armament, not exceeding four million four hundred thousand dollars each.

And the contract for the construction of said vessels shall be awarded by the Secretary of the Navy to the lowest best responsible bidder, having in view the best results and most expeditious delivery; and in the construction of all of said vessels the provisions of the act of August third, eighteen hundred and eighty-six, entitled "An act to increase the naval establishment," as to materials for said vessels, their engines, boilers, and machinery, the contracts under which they are built, the notice of any proposals for the same, the plans, drawings, specifications therefor, and the method of executing said contracts shall be observed and followed, and, subject to the provisions of this act, all said vessels shall be built in compliance with the terms of said act, and in all their parts shall be of domestic manufacture; and the steel material shall be of domestic manufacture, and of the quality and characteristics best adapted to the various purposes for which it may be used, in accordance with specifications approved by the Secretary of the Navy; and not more than one of the vessels provided for in this act shall be built by one contracting party: *Provided*, That the Secretary of the Navy may build any or all of the vessels herein authorized in such navy-yards as he may designate, and shall build any of the vessels herein authorized in such navy-yards as he may designate, should it reasonably appear that the persons, firms, or corporations, or the agents thereof, bidding for the construction of any of said vessels have entered into any combination, agreement, or understanding the effect, object, or purpose of which is to deprive the Government of fair, open, and unrestricted competition in letting contracts for the construction of any of said vessels: *Provided*, That the limit of cost, exclusive of armor and armament, of each of the scout cruisers authorized by the act making appropriations for the Naval Service, approved April twenty-seventh, nineteen hundred and four, be one million nine hundred thousand dollars.

Contract,
awarded of.

Where built.

CONSTRUCTION AND MACHINERY: On account of the hulls, outfits, and machinery of vessels and steam machinery of vessels heretofore authorized, twenty-three million four hundred and ten thousand eight hundred and thirty-three dollars.

Construction
and machinery.

ARMOR AND ARMAMENT: Toward the armament and armor of domestic manufacture for vessels authorized, eighteen million dollars.

Armor and
armament.

And provided further, That the Secretary of the Navy shall cause a thorough inquiry to be made as to the cost

Armor, in-
quiry into cost
of.

of armor plate and of armor plant, the report of which shall be made to Congress.

Equipment. INCREASE OF THE NAVY, EQUIPMENT: Toward the completion of the equipment outfit of the new vessels authorized, eight hundred and forty-five thousand dollars.

Total increase of the Navy, forty-two million two hundred and fifty-five thousand eight hundred and thirty-three dollars.

Approved, March 3, 1905.

FIFTY-NINTH CONGRESS, FIRST SESSION, JUNE 29, 1906.

[PUBLIC—No. 336.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and seven, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

PAY OF THE NAVY..

It is * * * “*Provided*, That the Secretary of the Navy may, in his discretion, require the whole or a part of the bounty allowed upon enlistment to be refunded in cases where men are discharged during the first year of enlistment, by request, for inaptitude, as undesirable, or for disability not incurred in line of duty.”

Bounty, re-
fund of.

PAY, MISCELLANEOUS.

* * * * *

To reimburse officers and enlisted men of the Navy and Marine Corps who were on duty under orders in San Francisco during the recent fire in that city for losses of clothing and other personal effects sustained by them through said fire, seven thousand dollars, or so much thereof as may be necessary: *Provided*, That such reimbursement shall be made under regulations to be prescribed by the Secretary of the Navy and upon vouchers to be approved by him in each case.

Loss of per-
sonal effects re-
imburse for.

That any officer of the Navy not above the grade of captain who served with credit as an officer or as an enlisted man in the regular or volunteer forces during the civil war prior to April ninth, eighteen hundred and sixty-five, otherwise than as a cadet, and whose name is borne on the official register of the Navy, and who has heretofore been, or may hereafter be, retired on account of wounds or disability incident to the service or on account of age or after forty years' service, may, in the discretion of the President, by and with the advice and consent of the Senate, be placed on the retired list of the Navy with the rank and retired pay of one grade above that actually held by him at the time of retirement: *Provided*, That this act shall not apply to any officer who received an advance of grade at or since the date of his retirement or who has been restored to the Navy and placed on the retired list by virtue of the provisions of a special act of Congress.

Officers, re-
tirement of.

That any officer of the Marine Corps below the grade of brigadier-general who served with credit as an officer or as an enlisted man in the regular or volunteer forces during the civil war prior to April ninth, eighteen hundred and sixty-five, otherwise than as a cadet, and whose name is borne on the official register of the Marine Corps, and who has heretofore been, or may hereafter be, retired on account of wounds or disability incident to the service, or on account of age or after forty years' service, may, in the discretion of the President, by and with the advice and consent of the Senate, be placed on the retired list of the Marine Corps with the rank and retired pay of one grade above that actually held by him at the time of retirement: *Provided*, That this act shall not apply to any officer who received an advance of grade since the date of his retirement or who has been restored to the Marine Corps and placed on the retired list by virtue of the provisions of a special act of Congress.

Officers, pay
of, on shore.

That the provision contained in section thirteen of an act approved March third, eighteen hundred and ninety-nine, entitled "An act to reorganize and increase the efficiency of the personnel of the Navy and Marine Corps of the United States," reading as follows: "*Provided*, That such officers when on shore shall receive the allowances, but fifteen per centum less pay than when on sea duty; but this provision shall not apply to warrant officers commissioned under section twelve of this act," be, and the same is hereby, repealed.

Chaplains,
pay of.

That all chaplains now in the Navy above the grade of lieutenant shall receive the pay and allowances of lieutenant-commander in the Navy according to length of service under the provisions of law for that rank, and all chaplains now in the Navy in the grade of lieutenant shall receive their present sea pay when on shore duty: *Provided*, That naval chaplains hereafter appointed shall have the rank, pay, and allowances of lieutenant (junior grade) in the Navy until they shall have completed seven years of service, when they shall have the rank, pay, and allowances of lieutenant in the Navy; and lieutenants shall be promoted, whenever vacancies occur, to the grade of lieutenant-commander, which shall consist of five numbers, and when so promoted shall receive the rank, pay, and allowances of lieutenant-commander in the Navy: *Provided further*, That nothing herein contained shall be held or construed to increase the number of chaplains as now authorized by law or to reduce the rank or pay of any now serving.

That from and after the passage of this act the allowances of civil engineers and professors of mathematics in the Navy shall be the same as are or may be provided by or in pursuance of law for naval constructors, and the allowances of assistant civil engineers the same as for assistant naval constructors.

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The Solicitor in the office of the Judge-Advocate-General of the Navy shall hereafter receive an annual salary of four thousand dollars during the services of the present incumbent. Solicitor,
pay of.

BUREAU OF NAVIGATION.

TRANSPORTATION, RECRUITING, AND CONTINGENT: **TRANSPORTATION:** * * *. It is "Provided, That hereafter enlisted men, discharged on account of expiration of enlistment, shall receive in lieu of transportation and subsistence, travel allowance of four cents per mile from the place of discharge to the place of enlistment, for travel in the United States." Transportation upon discharge.

RECRUITING: * * *. It is "Provided, That no part of this appropriation shall be expended in recruiting seamen, ordinary seamen, or apprentice seamen, unless a certificate of birth or written evidence, other than his own statement, satisfactory to the recruiting officer, showing the applicant to be of age required by naval regulations, shall be presented with the application for enlistment." Age, certificate as to.

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OUTFITS ON FIRST ENLISTMENT: * * *. It is "Provided, That hereafter the Secretary of the Navy may, in his discretion, require the whole or a part of the cost of outfits allowed upon enlistment to be refunded in cases where men are discharged during the first six months of enlistment for any cause other than disability incurred in line of duty." Outfits, cost of refunded.

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For naval training station, Great Lakes: "Maintenance of naval training station: Labor and material; general care; repairs and improvements to grounds, buildings, and pier; street-car fare; purchase and maintenance of live stock, and attendance on same; wagons, carts, implements, and tools, and repairs to same; fire extinguishers; heating, lighting, and furniture; stationery, books, and periodicals; ice, and washing; expressage; packing boxes, and materials; postage, telegraphing, and telephoning, and all other contingent expenses, twenty thousand dollars." Training station, Great Lakes, maintenance of.

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NAVAL HOME, PHILADELPHIA, PENNSYLVANIA: * * *. It is "Provided, That for the performance of such additional services in and about the Naval Home as may be necessary, the Secretary of the Navy is authorized to employ, on the recommendation of the governor, beneficiaries in said home, whose compensation shall be fixed by the Secretary and paid from the appropriation for the support of the home." Beneficiaries, employment of.

BUREAU OF ORDNANCE.

ORDNANCE AND ORDNANCE STORES: * * *. It is "Provided, That no part of this appropriation shall be ex- Shells, purchase of.

pended for the purchase of shells or projectiles except for shells or projectiles purchased in accordance with the terms and conditions of proposals submitted by the Secretary of the Navy to all of the manufacturers of shells and projectiles and upon bids received in accordance with the terms and requirements of such proposals. All shells and projectiles shall conform to the standards prescribed by the Secretary of the Navy."

Modern guns. For modernizing batteries Massachusetts, Oregon, and new guns and armor for New York, four hundred and sixty-six thousand dollars.

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For machine tools for ordnance machine shop, navy-yard, Boston, fifteen thousand dollars.

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Reserve powder and shell. For reserve powder and shell: "Toward the accumulation of a reserve supply of powder and shell, two million dollars: *Provided*, That no part of this appropriation shall be expended for the purchase of shells or projectiles except for shells or projectiles purchased in accordance with the terms and conditions of proposals submitted by the Secretary of the Navy to all of the manufacturers of shells and projectiles and upon bids received in accordance with the terms and requirements of such proposals. All shells and projectiles shall conform to the standards prescribed by the Secretary of the Navy."

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BUREAU OF EQUIPMENT.

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Wireless station, Pacific coast. For the preparation of sites, furnishing and erecting masts, buildings, and machinery foundations for United States naval wireless telegraph stations on the Pacific coast in the States of Washington, Oregon, and California, to be limited to the purposes above named, sixty-five thousand dollars.

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BUREAU OF YARDS AND DOCKS.

* * * * *

Chief, Bureau Yards and Docks, eligibility for. Provides that the Chief of the Bureau of Yards and Docks shall be selected from the members of the Corps of Civil Engineers of the Navy having not less than seven years' active service.

PUBLIC WORKS, BUREAU OF YARDS AND DOCKS.

Portsmouth. NAVY-YARD, PORTSMOUTH, NEW HAMPSHIRE: Railroad and rolling stock, additions, three thousand dollars; sewer system, extension, three thousand dollars; quay walls, to extend, forty thousand dollars; grading, to continue, fif-

teen thousand dollars; central power house, extension, thirty-five thousand dollars; central power plant, extension (to cost one hundred and twenty thousand dollars), sixty thousand dollars; central heating plant, extension, eight thousand dollars; water system, extension, five thousand dollars; workmen's landing near reservoir, one thousand dollars; shelves, racks, and fittings for storehouse numbered eighty-six, five thousand dollars; boiler shop for steam engineering, to complete, seventy-five thousand dollars; in all, two hundred and fifty thousand dollars.

NAVY-YARD, BOSTON, MASSACHUSETTS: Paving, to continue, twenty thousand dollars; dredging, twenty thousand dollars; underground conduit, ten thousand dollars; power house, extension, thirty-nine thousand dollars; refuse kiln, five thousand three hundred dollars; paint room, building numbered seventy-seven; seven hundred and fifty dollars; in all, navy-yard, Boston, ninety-five thousand and fifty dollars.

Boston.

NAVY-YARD, NEW YORK, NEW YORK: Paving and grading, to continue, three thousand dollars; railroad system, extensions, eight thousand dollars; electric plant, extensions, fifty thousand dollars; railroad equipment, additional, five thousand dollars; underground conduits, extensions, five thousand dollars; heating system, extensions, thirty thousand dollars; extension salt water suction and discharge pipes to power house, nine thousand dollars; street-cleaning equipment, three thousand dollars; lean-to for building numbered twenty, three thousand dollars; lean-to for building numbered one hundred and thirty-one, ten thousand dollars; disinfecting plant, two thousand five hundred dollars; in all, navy-yard, New York, New York, one hundred and twenty-eight thousand five hundred dollars.

New York.

NAVY-YARD, LEAGUE ISLAND, PENNSYLVANIA: To continue retaining wall about reserve basin, ten thousand dollars; sewer system, extensions, five thousand dollars; dredging and filling in Delaware water front, to continue, fifteen thousand dollars; fire-protection system, extensions, five thousand dollars; extension of reserve basin, to continue dredging, fifty thousand dollars; building for bathing, examination of recruits, and disinfection of clothing, ten thousand dollars; electric capstan for dry dock numbered one, three thousand dollars; central heating system, ten thousand dollars; in all, navy-yard, League Island, one hundred and eight thousand dollars.

League Island.

NAVY-YARD, WASHINGTON, DISTRICT OF COLUMBIA: Paving, to extend, five thousand dollars; underground conduit system, to extend, five thousand dollars; railroad system, to extend, five thousand dollars; heating system, extension, five thousand dollars; water system, to extend, ten thousand dollars; yard wall, to complete, twenty thousand dollars; extension and improvements, telephone

Washington.

and fire-alarm systems, three thousand dollars; extension of gas plant, ten thousand dollars; purchase of land west of yard, to complete, two hundred dollars; in all, navy-yard, Washington, sixty-three thousand two hundred dollars.

Charleston.

NAVY-YARD, CHARLESTON, SOUTH CAROLINA: Stone and concrete dry dock, to continue, two hundred and fifty thousand dollars; grading and paving, five thousand dollars; railroad system, extensions, five thousand dollars; water system, extension, five thousand dollars; piers and slips, thirty-three thousand dollars; dredging, ten thousand dollars; underground conduit system, five thousand dollars; sewer system, extension, twelve thousand dollars; interior fittings, machine shop for construction and repair, eighteen thousand dollars; foundry and copper shop, to complete, fifty-eight thousand dollars; interior fittings, equipment building, eight thousand five hundred dollars; quay wall at dry dock entrance, forty thousand dollars; dry dock latrines, three thousand dollars; one officers' quarters, seven thousand dollars; dispensary building, twelve thousand dollars; in all, navy-yard, Charleston, South Carolina, four hundred and seventy-one thousand five hundred dollars.

Norfolk.

NAVY-YARD, NORFOLK, VIRGINIA: Dredging, to continue, five thousand dollars; paving and grading, additional, two thousand five hundred dollars; fire-protection system, extensions, five thousand dollars; railroad tracks, extensions, five thousand dollars; improvements to building numbered sixteen, five thousand dollars; bollards and capstans for dry docks, five thousand dollars; improvements to forty-ton locomotive crane, two thousand dollars; concrete and granite dry dock, three hundred and fifty thousand dollars; repairs, buildings at Saint Helena, twenty-five thousand dollars; stable, marine barracks, five thousand dollars; in all, navy-yard, Norfolk, Virginia, four hundred and nine thousand five hundred dollars.

Key West.

NAVAL STATION, KEY WEST, FLORIDA: Dredging and filling in, thirty thousand dollars; to complete two officers' quarters, one thousand two hundred dollars; marine railway, to complete, five thousand dollars; sewer system, three thousand dollars; in all, navy-yard, Key West, Florida, thirty-nine thousand two hundred dollars.

Mare Island.

NAVY-YARD, MARE ISLAND, CALIFORNIA: Railroad system, extension, five thousand dollars; electric-plant system, extension, five thousand dollars; improvement of channel in Mare Island Strait, to complete, one hundred thousand dollars; sewer system, extensions, three thousand dollars; paving and grading, to continue, five thousand dollars; heating system, extension, five thousand dollars; improvements to building numbered one hundred and sixty-five, four thousand dollars; improvements and repairs, steam engineering, buildings, fifteen thou-

sand dollars; bridge between buildings forty-five and sixty-five, one thousand dollars; in all, navy-yard, Mare Island, one hundred and forty-three thousand dollars.

NAVY-YARD, PUGET SOUND, WASHINGTON: Sewer system, extensions, three thousand dollars; to continue grading, ten thousand dollars; electric-light plant, extensions, five thousand dollars; water system, extensions, two thousand five hundred dollars; heating system, extensions, four thousand dollars; dredging, to continue, ten thousand dollars; roads and walks, extensions, two thousand five hundred dollars; stone and concrete dry dock (to cost one million two hundred and fifty thousand dollars), one hundred thousand dollars; smithery for construction and repair, to complete, four thousand dollars; telephone system, extensions, one thousand five hundred dollars; central power plant, sixty thousand dollars; water-closet for ships in dock, two thousand five hundred dollars; in all, navy-yard, Puget Sound, Washington, two hundred and five thousand dollars.

Puget Sound.

NAVY-YARD, PENSACOLA, FLORIDA: Water system, five thousand dollars; sewer system, ten thousand dollars; conduits and conductors for distribution of power, five thousand dollars; crib for wooden floating dry dock, twenty thousand dollars; in all, navy-yard, Pensacola, forty thousand dollars.

Pensacola.

NAVAL STATION, NEW ORLEANS, LOUISIANA: Improvement of water front, forty thousand dollars; levee improvement and grading, ten thousand dollars; machinery and tools for yards and docks shop, three thousand dollars; central electric light and power plant, to complete, fifty thousand dollars; rebuilding cross wharf, ten thousand dollars; strengthening approaches to floating dock, nine thousand five hundred dollars; railroad system, five thousand dollars; underground conduit system, five thousand dollars; drainage system, eight thousand dollars; sawmill, boat shop, and storage for construction and repair, sixty thousand dollars; toward the construction of street around naval station in lieu of Patterson street, fifteen thousand dollars; in all, navy-yard, New Orleans, two hundred and fifteen thousand five hundred dollars.

New Orleans.

NAVAL STATION, OLONGAPO, PHILIPPINE ISLANDS: Purchase and installation of tools and machinery, one hundred thousand dollars; wharf for floating dry dock, sixty-five thousand dollars; extension of drainage canal, twenty-five thousand dollars; steam floating derrick, seventeen thousand dollars; in all, two hundred and seven thousand dollars.

Olongapo.

NAVAL STATION, ISLAND OF GUAM: Dredging, five thousand dollars; extension of naval-station roads, five thousand dollars; artesian well, two thousand dollars; in all, twelve thousand dollars.

Guam.

NAVAL STATION, HAWAII: For the reclamation of that portion of the naval station at Honolulu, Hawaii, known

Pearl Harbor.

as the Reef, from materials now being dredged from the harbor at Honolulu, and for the necessary dikes or retaining walls, thirty-five thousand dollars, or so much thereof as may be necessary.

Plans and specifications.

PLANS AND SPECIFICATIONS FOR PUBLIC WORKS: Plans and estimates required by section thirty-six hundred and sixty-three, Revised Statutes, and plans and specifications for public works, thirty thousand dollars.

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PUBLIC WORKS UNDER THE SECRETARY OF THE NAVY.

Naval Academy.

BUILDINGS AND GROUNDS, NAVAL ACADEMY: Toward the construction of buildings, and for other necessary improvements at the Naval Academy, Annapolis, Maryland, as authorized by the acts of Congress approved June seventh, nineteen hundred, and March third, nineteen hundred and three, seven hundred and fifty thousand dollars.

PUBLIC WORKS UNDER BUREAU OF NAVIGATION.

Naval training stations, California.

NAVAL TRAINING STATION, CALIFORNIA, BUILDINGS: New power plant, with wharf and fuel storage, thirty-nine thousand two hundred and fifty dollars; gymnasium, three thousand five hundred dollars; laundry shed, two thousand dollars; repairs to barracks, twenty-two thousand dollars; roads and grounds, three thousand dollars; in all, sixty-nine thousand seven hundred and fifty dollars.

Rhode Island.

NAVAL TRAINING STATION, RHODE ISLAND, BUILDINGS: Repairs to barracks "B," fifteen thousand dollars; salt-water pumping system, sixteen thousand dollars; artesian well and water system, seventeen thousand seven hundred dollars; underground conduit system, three thousand two hundred dollars; garbage incinerating plant, nine thousand dollars; improving and grading grounds, roadways, paths, and drains, and filling stagnant basins, five thousand dollars; sewerage system, extension, two thousand seven hundred and fifty dollars; in all, naval training station, Rhode Island, sixty-eight thousand six hundred and fifty dollars.

Naval War College.

NAVAL WAR COLLEGE, RHODE ISLAND, BUILDINGS: For additional book stacks, cases, and racks for the storage and preservation of books, maps, and records, one thousand two hundred dollars.

Great Lakes.

NAVAL TRAINING STATION, GREAT LAKES, BUILDINGS: Toward the construction of buildings at the naval training station, Great Lakes, seven hundred and fifty thousand dollars: *Provided*, That before any part of this sum is expended complete plans shall be prepared and approved by the Secretary of the Navy covering the contemplated new buildings at the naval training station,

Great Lakes, which plans shall involve a total expenditure of not more than two million dollars: *And provided further*, That the Secretary of the Navy shall pay a fair and reasonable price for the plans herein provided for, in no event to exceed three and one-half per centum of the estimated cost of the improvements, and thereafter no money shall be expended or obligation incurred for architects except that the Secretary of the Navy is hereby authorized to employ in his discretion a consulting architect at a compensation not exceeding five thousand dollars per annum.

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PUBLIC WORKS, BUREAU OF ORDNANCE.

NAVAL MAGAZINE, DOVER, NEW JERSEY: One brick building to be used for drying smokeless powder, four thousand five hundred dollars; electric lights and feed wires for magazines numbered four and five, six hundred dollars; in all, naval magazine, Dover, Lake Denmark, New Jersey, five thousand one hundred dollars. Naval magazines, Dover.

NAVAL MAGAZINE, SAINT JULIENS CREEK, NORFOLK, VIRGINIA: One galvanized-iron storehouse, twenty-five thousand dollars; in all, twenty-five thousand dollars. St. Juliens Creek.

NAVAL PROVING GROUND, INDIAN HEAD, MARYLAND: Telephones to range station, three thousand five hundred dollars; purchase and installation of six boiling tubs, one thousand two hundred dollars; extending pulping house, and altering installation of poachers, two thousand five hundred dollars; subdivision of trolley system for fire service, three thousand five hundred dollars; additional magazines, six thousand dollars; extension of railroad system, three thousand dollars; in all, naval proving ground, Indian Head, nineteen thousand seven hundred dollars. Indian Head.

Naval magazine, Fort Mifflin, Pennsylvania: Extension of fire service, three thousand dollars; completion of sea wall south of wharf, three thousand dollars; in all, six thousand dollars. Fort Mifflin.

Naval magazine, New England coast: Toward securing the land and the erection of the necessary buildings on ground, the purchase of which is now under negotiation, as authorized by the act approved April twenty-seventh, nineteen hundred and four, for a new naval magazine on the New England coast; also toward inclosing said grounds, grading and filling in, building roads and walks, improvement of the water front, necessary wharves and cranes, railroad tracks, and rolling stock for local service, fire and water service, and equipment of the establishment, including the service of such additional expert aids, surveyors, architects, superintendents of construction, or draftsmen, as may be necessary for the prepara- New England coast.

tion of the plans and specifications and prosecution of the work to an extent not to exceed fifteen thousand dollars, two hundred thousand dollars: *Provided*, That when the naval magazine on or near the New England coast provided for by an act of Congress approved April twenty-seventh, nineteen hundred and four, is completed, the Secretary of the Navy shall discontinue the present magazine in the city of Chelsea, Massachusetts, and sell such portion of the magazine and naval hospital grounds in said city of Chelsea as is undesirable for hospital purposes at public auction or private sale, upon such terms and conditions as shall be satisfactory to him, and the money derived from such sale shall be applied to remodeling and modernizing the hospital buildings now on said hospital grounds, and the balance of said money, if there be any after said remodeling and modernization, shall be placed to the credit of the hospital fund of the Navy.

Fort Lafay-
ette.

Naval magazine, Fort Lafayette, New York: Necessary improvements to dock and sea wall, two thousand dollars.

Mare Island.

Naval magazine, Mare Island, California: One magazine building, thirty by eighty feet, seven thousand dollars; extension of building "A5" fifty feet, three thousand one hundred dollars; extension of primer house twenty by twenty feet, one thousand two hundred dollars; in all, eleven thousand three hundred dollars.

Pensacola.

Naval magazine, Pensacola, Florida: Standpipe, with pump and necessary piping for connection with present magazine and shell houses, five thousand dollars.

Torpedo sta-
tion, Newport.

Torpedo station, Newport, Rhode Island: Repairs to sea wall, five thousand three hundred dollars; extension of compressor room, one thousand one hundred dollars; extension of tinsmith shop, one thousand eight hundred dollars; new paint shop, one thousand two hundred dollars; in all, nine thousand four hundred dollars.

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PUBLIC WORKS UNDER BUREAU OF EQUIPMENT.

Naval Ob-
servatory.

NAVAL OBSERVATORY: Grounds and roads: Continuing grading, extending roads and paths, clearing and improving grounds, ten thousand dollars.

PUBLIC WORKS UNDER BUREAU OF MEDICINE AND SURGERY.

Improve-
ments, naval
hospitals.

Naval hospital, Yokohama, Japan: For purchase of land adjoining present hospital grounds, five thousand dollars.

Yokohama.

Newport.

Naval hospital, Newport, Rhode Island: Changing officers' quarters into wards for enlisted men, and building quarters for all officers outside of naval hospital, twenty thousand dollars, not more than fifteen thousand dollars of which shall be spent for all officers' quarters.

Norfolk.

Naval hospital, Norfolk, Virginia: For the renovation of the present hospital buildings and the erection of new

wards, to cost not to exceed two hundred thousand dollars, one hundred thousand dollars.

Naval hospital, Canacao, Philippine Islands: For boring an artesian well, and for necessary machinery and appurtenances, seven thousand dollars.

Canacao.

Naval hospital, Mare Island, California: For a surgical-ward building for operating room and surgical cases, twelve thousand dollars; for a new building for infectious diseases, eight thousand dollars; and for a new power house, five thousand dollars; in all, twenty-five thousand dollars.

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PUBLIC WORKS, MARINE CORPS.

Barracks and quarters, Marine Corps: Erection and equipment of two laundries for enlisted men, marine barracks, twelve thousand dollars;

Marine barracks.

For the completion of marine barracks on the Schmoele tract of land at the Norfolk Navy-Yard, in the State of Virginia, including plumbing, interior woodwork, painting, grading, and proper connections with the local waterworks, fifteen thousand dollars; for the construction of two additional sets of officers' quarters, Norfolk Navy-Yard, twenty-four thousand dollars; in all, Norfolk Navy-Yard, thirty-nine thousand dollars;

Schmoele tract.

For the erection of marine barracks and officers' quarters, naval station, New Orleans, Louisiana, fifteen thousand dollars, which sum shall be in addition to fifteen thousand dollars appropriated for this object in the naval appropriation act approved March third, nineteen hundred and one, and six thousand five hundred dollars provided in the naval appropriation act approved April twenty-seventh, nineteen hundred and four;

New Orleans.

For the erection of marine barracks and completion of officers' quarters, marine barracks, naval training station, San Francisco, California, fifteen thousand dollars;

San Francisco.

For the necessary repairs and improvements to such buildings at the naval station, New London, Connecticut, as have been assigned to the Marine Corps by the Navy Department, twenty-five thousand dollars;

New London.

For the purchase of land adjoining marine reservation, naval station, Sitka, Alaska, four hundred dollars;

Sitka.

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BUREAU OF SUPPLIES AND ACCOUNTS.

PROVISIONS, NAVY: * * *

It is "Provided, That sections fifteen hundred and eighty and fifteen hundred and eighty-one, Revised Statutes, be amended to read as follows:

"SEC. 1580. The navy ration shall consist of the following daily allowance of provisions to each person: One pound and a quarter of salt or smoked meat, with

Navy ration, components of.

three ounces of dried or six ounces of canned or preserved fruit, and three gills of beans or pease, or twelve ounces of flour; or one pound of preserved meat, with three ounces of dried or six ounces of canned or preserved fruit and eight ounces of rice or twelve ounces of canned vegetables, or six ounces of desiccated vegetables; together with one pound of biscuit, two ounces of butter, four ounces of sugar, two ounces of coffee or cocoa, or one-half ounce of tea and one ounce of condensed milk or evaporated cream; and a weekly allowance of one-quarter pound of macaroni, four ounces of cheese, four ounces of tomatoes, one-half pint of vinegar or sauce, one-quarter pint of pickles, one-quarter pint of molasses, four ounces of salt, one-half ounce of pepper, one-eighth ounce of spices, and one-half ounce of dry mustard. Seven pounds of lard, or a suitable substitute, shall be allowed for every hundred pounds of flour issued as bread, and such quantities of yeast and flavoring extracts as may be necessary.

“Sec. 1581. The following substitution for the components of the ration may be made when deemed necessary by the senior officer present in command: “For one and one-quarter pounds of salt or smoked meat or one pound of preserved meat, one and three-quarter pounds of fresh meat or fresh fish, or eight eggs; in lieu of the articles usually issued with salt, smoked, or preserved meat, one and three-quarter pounds of fresh vegetables; for one pound of biscuit, one and one-quarter pounds of soft bread or eighteen ounces of flour; for three gills of beans or pease, twelve ounces of flour or eight ounces of rice or other starch food, or twelve ounces of canned vegetables; for one pound of condensed milk or evaporated cream, one quart of fresh milk; for three ounces of dried or six ounces of canned or preserved fruit, nine ounces of fresh fruit; and for twelve ounces of flour or eight ounces of rice or other starch food, or twelve ounces of canned vegetables, three gills of beans or pease; in lieu of the weekly allowance of one-quarter pound of macaroni, four ounces of cheese, one-half pint of vinegar or sauce, one-quarter pint of pickles, one-quarter pint of molasses, and one-eighth ounce of spices, three pounds of sugar, or one and a half pounds of condensed milk, or one pound of coffee, or one and a half pounds of canned fruit, or four pounds of fresh vegetables, or four pounds of flour.

““An extra allowance of one ounce of coffee or cocoa, two ounces of sugar, four ounces of hard bread or its equivalent, and four ounces of preserved meat or its equivalent shall be allowed to enlisted men of the engineer and dynamo former who stand night watches between eight o'clock postmeridian and eight o'clock antimeridian, under steam.””

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BUREAU OF CONSTRUCTION AND REPAIR.

CONSTRUCTION AND REPAIR OF VESSELS: * * *. It is "Provided, * * * That one hundred thousand dollars, or such portion thereof as may be necessary, shall be used to repair, equip, and restore the frigate Constitution, as far as may be practicable, to her original condition, but not for active service: *And provided further*, That the sum of three hundred thousand dollars from the unexpended balance under appropriations 'Construction and repair of vessels' for the fiscal year ending June thirtieth, nineteen hundred and four, is hereby reappropriated for 'Construction and repair of vessels' for the fiscal year ending June thirtieth, nineteen hundred and seven."

Constitution.

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BUREAU OF STEAM ENGINEERING.

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Machinery plant, navy-yard, Portsmouth, New Hampshire: To outfit new shops, authorized and completed or nearly completed, with new power tools, and to replace obsolete and worn-out machine tools, fifty thousand dollars; to outfit boiler' shop, now building, with cranes, annealing furnace, machine and hand tools, motors and fixtures, sixty thousand dollars; in all, one hundred and ten thousand dollars.

Machinery plants at navy yards. Portsmouth.

Machinery plant, navy-yard, Norfolk, Virginia: For machine tools to equip machine and boiler shop extension, twenty-five thousand dollars.

Norfolk.

Machinery plant, naval station, New Orleans, Louisiana: For additional machine tools to complete the equipment of shops authorized and nearing completion, twenty-five thousand dollars.

New Orleans.

Machinery plant, navy-yard, Charleston, South Carolina: Toward equipment of shops already authorized, fifty thousand dollars.

Charleston.

Engineering experimental station, United States Naval Academy, Annapolis, Maryland * * *.

Experimental and research work: For original investigation and extended experimentation of naval appliances; and for the purchase of such machines and auxiliaries considered applicable for test and use in the naval service, twenty-five thousand dollars.

Experimental and research work.

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NAVAL ACADEMY.

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Provides "No person shall be admitted for instruction at the Naval Academy at Annapolis from any foreign country except upon authority of law hereafter enacted."

Foreigners, instruction of.

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Midshipmen,
appointment
of.

Hereafter the Secretary of the Navy shall, as soon as possible after the first day of June of each year preceding the graduation of midshipmen in the succeeding year, notify in writing each Senator, Representative, and Delegate in Congress of any vacancy that will exist at the Naval Academy because of such graduation, or that may occur for other reasons and which he shall be entitled to fill by nomination of a candidate and one or more alternates therefor. The nomination of a candidate and alternate or alternates to fill said vacancy shall be made upon the recommendation of the Senator, Representative, or Delegate, if such recommendation is made by the fourth day of March of the year following that in which said notice in writing is given, but if it is not made by that time the Secretary of the Navy shall fill the vacancy by appointment of an actual resident of the State, Congressional district, or Territory, as the case may be, in which the vacancy will exist, who shall have been for at least two years immediately preceding the date of his appointment an actual and bona fide resident of the State, Congressional district, or Territory in which the vacancy will exist and of the legal qualification under the law as now provided. In cases where by reason of a vacancy in the membership of the Senate or House of Representatives, or by the death or declination of a candidate for admission to the academy there occurs or is about to occur at the academy a vacancy from any State, district, or Territory that can not be filled by nomination as herein provided, the same may be filled as soon thereafter and before the final entrance examination for the year as the Secretary of the Navy may determine. The candidates allowed for the District of Columbia and all the candidates appointed at large, together with alternates therefor, shall be selected by the President within the period herein prescribed for nomination of other candidates: *Provided*, That the President may select a candidate for the District of Columbia for the year nineteen hundred and eight.

Two professors
of mathematics.

That the President be authorized to appoint, by and with the advice and consent of the Senate, two additional professors of mathematics in the Navy, who shall be extra numbers in said list, and who shall take rank therein according to that held by them respectively when so appointed, if such appointees are officers of the Navy, otherwise at the foot of said list.

Records of
ships, Revolutionary War.

That all records (such as muster and pay rolls and reports) relating to the personnel and operations of public and private armed vessels of the North American colonies in the war of the Revolution now in any of the Executive Departments shall be transferred to the Secretary of the Navy, to be preserved, indexed, and prepared for publication.

MARINE CORPS.

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Deposits: For interest on soldiers' deposits, three thousand dollars, and so much as may be necessary to refund such deposits: *Provided*, That hereafter enlisted men of the Marine Corps shall be entitled to deposit their savings with the United States, through any paymaster, in the same manner and under the same conditions as is now or may hereafter be provided for the enlisted men of the Navy: *Provided, however*, That the sums so deposited shall pass to the credit of the appropriation for pay of the Marine Corps.

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Deposits by
marines.

INCREASE OF THE NAVY.

That for the purpose of further increasing the naval establishment of the United States, the President is hereby authorized to have constructed by contract or in navy-yards as hereinafter provided—

One first-class battle ship, carrying as heavy armor and as powerful armament as any known vessel of its class, to have the highest practicable speed and greatest practicable radius of action, and to cost, exclusive of armament and armor, not exceeding six million dollars: *Provided*, That before approving any plans or specifications for the construction of such battle ship the Secretary of the Navy shall afford, by advertisement or otherwise, in his discretion, a reasonable opportunity to any competent constructor who may desire so to do, to submit plans and specifications for his consideration, for which said plans, should the same be used by the Department and be not submitted by or on behalf of a successful bidder for the contract, such compensation shall be paid as the Secretary of the Navy shall deem just and equitable out of the amount herein appropriated under the head "Contingent, Navy": *Provided*, That before any proposals for said battle ship shall be issued or any bids received and accepted the Secretary of the Navy shall report to Congress at its next session full details covering the type of such battle ship and the specifications for the same, including its displacement, draft, and dimensions, and the kind and extent of armor and armament therefor.

One battle-
ship.

Three torpedo-boat destroyers, to have the highest practicable speed, and to cost, exclusive of armament, not to exceed seven hundred and fifty thousand dollars each.

Three tor-
pedo-boat de-
stroyers.

And the contract for the construction of said vessels shall be awarded by the Secretary of the Navy to the lowest best responsible bidder, having in view the best results and most expeditious delivery: *Provided*, That any bid for the construction of any of said vessels upon

the Pacific coast shall have a differential of four per centum in its favor, which shall be considered by the Secretary of the Navy in awarding contracts for the construction of said vessels; and in the construction of all of said vessels the provisions of the act of August third, eighteen hundred and eighty-six, entitled "An act to increase the naval establishment," as to materials for said vessels, their engines, boilers, and machinery, the contracts under which they are built, the notice of any proposals for the same, the plans, drawings, specifications therefor, and the method of executing said contracts shall be observed and followed, and, subject to the provisions of this act, all said vessels shall be built in compliance with the terms of said act, and in all their parts shall be of domestic manufacture; and the steel material shall be of domestic manufacture, and of the quality and characteristics best adapted to the various purposes for which it may be used, in accordance with specifications approved by the Secretary of the Navy; and not more than one of the vessels provided for in this act shall be built by one contracting party: *Provided*, That the Secretary of the Navy may build any or all of the vessels herein authorized in such navy-yards as he may designate, and shall build any of the vessels herein authorized in such navy-yards as he may designate should it reasonably appear that the persons, firms, or corporations, or the agents thereof, bidding for the construction of any of said vessels have entered into any combination, agreement, or understanding the effect, object, or purpose of which is to deprive the Government of fair, open, and unrestricted competition in letting contracts for the construction of any of said vessels: *Provided*, That the limit of cost, exclusive of armor and armament, of the battle ship Connecticut, authorized by the act of Congress approved July first, nineteen hundred and two, be increased to four million six hundred thousand dollars, and that the limit of cost, exclusive of armor and armament, of each of the two training vessels authorized by the act of Congress approved March third, nineteen hundred and three, be increased to four hundred and ten thousand dollars: *And provided further*, That the limit of cost, exclusive of armor and armament, of each of the two colliers authorized by the act of Congress approved April twenty-seventh, nineteen hundred and four, be increased to one million five hundred and fifty thousand dollars.

Connecticut.

Submarines,
\$1,000,000 for.

The Secretary of the Navy is hereby authorized, in his discretion, to contract for or purchase subsurface or submarine torpedo boats, to an amount not exceeding one million dollars, after such tests as he shall see fit to prescribe, to determine the comparative efficiency of the different boats for which bids may be submitted: *Provided*, That such tests shall take place within nine months

from the date of the passage of this act; and for such purpose the sum of five hundred thousand dollars is hereby appropriated.

CONSTRUCTION AND MACHINERY: On account of hulls, outfits, and machinery of vessels and steam machinery of vessels heretofore authorized, seventeen million eight hundred and thirty thousand eight hundred and twenty-nine dollars. Construction and machinery.

ARMOR AND ARMAMENT: Toward the armament and armor of domestic manufacture for vessels authorized, fifteen million one hundred and forty-five thousand dollars: *Provided*, That no part of this appropriation shall be expended for armor for vessels except upon contracts for such armor when awarded by the Secretary of the Navy, to the lowest responsible bidder, having in view the best results and most expeditious delivery. But this provision shall not apply to or interfere with contracts for such armor already entered into, signed and executed by the Secretary of the Navy. Armor and armament.

Total increase of the Navy, thirty-three million four hundred and seventy-five thousand eight hundred and twenty-nine dollars.

That no part of any sum appropriated by this act shall be used for any expense of the Navy Department at Washington unless specific authority be given for such expenditure.

Approved, June 29, 1906.

FIFTY-NINTH CONGRESS, SECOND SESSION—MARCH 2, 1907.

[PUBLIC—No. 171.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and eight, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

PAY OF THE NAVY.

Provides * * * "For hire of quarters for officers ^{Quarters, hire of.} serving with troops where there are no public quarters belonging to the Government, and where there are not sufficient quarters possessed by the United States to accommodate them, or commutation of quarters not to exceed the amount which an officer would receive were he not serving with troops, and the proper accounting officers of the Treasury are hereby authorized and directed to allow in the settlement of accounts of disbursing officers all payments made since November thirteenth, nineteen hundred and five, and prior to July first, nineteen hundred and seven, for commutation of quarters for officers on shore serving with troops and not provided with public quarters; * * *."

BUREAU OF ORDNANCE.

* * * * *
For ammunition and other supplies for new ships, ^{Ammunition for new ships.} seven hundred and fifty thousand dollars.

* * * * *
For modernizing the battery of the Iowa, thirty-six thousand dollars. Iowa.

For modernizing the batteries of the Monterey and the Monadnock, twenty thousand dollars. Monterey. Monadnock.

For providing new turret sights for the four monitors of the Arkansas class, sixteen thousand dollars. Arkansas.

New battery for the Brooklyn, one hundred and seventy-seven thousand two hundred dollars. Brooklyn.

For completing the work of modifying four-inch forty-caliber mounts, and providing new sights; and for modifying five-inch forty-caliber mounts, and providing new sights for same, one hundred thousand dollars. ^{New sights and mounts.}

For fire-control instruments for nineteen battleships and twelve armored cruisers; for fire control instruments for four monitors and twenty-five cruisers, three hundred thousand dollars. ^{Fire-control instruments.}

Mines and mine appliances. For the manufacture, purchase, repair, and maintenance of a reserve stock of mines and mine appliances, one hundred thousand dollars.

Torpedoes, conversion of. For fifty eighteen-inch torpedoes; converting destroyers to modern boats; converting three and fifty-five one-hundredths meter boats to five-meter boats, three hundred thousand dollars.

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Reserve torpedoes. RESERVE TORPEDOES AND APPLIANCES: For the purchase or manufacture of reserve torpedoes and appliances, two hundred and fifty thousand dollars: *Provided*, That of this amount not more than one hundred and fifty-five thousand dollars shall be used for the construction and equipment of a torpedo factory at the torpedo station at Newport, Rhode Island.

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BUREAU OF YARDS AND DOCKS.

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PUBLIC WORKS, BUREAU OF YARDS AND DOCKS.

Portsmouth. NAVY-YARD, PORTSMOUTH, NEW HAMPSHIRE: Railroad and rolling stock, two thousand dollars; sewer system, extension, two thousand dollars; quay walls, to extend, twenty thousand dollars; grading, to continue, fifteen thousand dollars; central power plant, to complete, sixty thousand dollars; blasting in front of quay wall (to cost one hundred and ten thousand dollars), fifty thousand dollars; naval prison laundry, three thousand dollars; naval prison cooking and baking plant, three thousand two hundred dollars; naval prison, furniture and fittings, eight thousand five hundred dollars; naval prison, administration building, to complete, ten thousand dollars; pattern shop for steam engineering, to complete, sixty-one thousand two hundred dollars; track for forty-ton crane, extension, ten thousand dollars, the limit of cost to be forty-six thousand eight hundred dollars; in all, two hundred and forty-four thousand nine hundred dollars.

Boston. NAVY-YARD, BOSTON, MASSACHUSETTS: Paving, to continue, twenty thousand dollars; third floor, building numbered one hundred and seven, six thousand dollars; electric plant, extensions, twenty-five thousand dollars; heating system, extensions, seventeen thousand five hundred dollars; railroad rolling stock, three thousand dollars; telephone system, extensions, one thousand dollars; railroad system, extensions, two thousand dollars; repairs to dry dock numbered one, fifteen thousand dollars; completing building numbered one hundred and eight, five thousand dollars; salt water flushing for dry dock numbered two, two thousand five hundred dollars; water-closet between dry docks, ten thousand dollars; improv-

ing rope walk building, ten thousand dollars; improvements to naval prison, two thousand five hundred dollars; improvements to building numbered forty-two, nine thousand dollars; in all, navy-yard, Boston, one hundred and twenty-eight thousand five hundred dollars.

NAVY-YARD, NEW YORK, NEW YORK: Electric plant, extensions, twenty-five thousand dollars; underground conduits, extensions, fifteen thousand dollars; heating system, extensions, twenty thousand dollars; electric motors for pump well valves, seven thousand dollars; electric elevators, ten thousand dollars; central power plant, to complete, one hundred and forty thousand dollars; for side walk on Flushing avenue and Navy street in front of the Navy-Yard, ten thousand eight hundred dollars; railroad equipment, additional, five thousand dollars; railroad system, extensions, ten thousand dollars; sewers and drains, ten thousand dollars; cement storehouse, eleven thousand dollars; in all, navy-yard, New York, New York, two hundred and sixty-three thousand eight hundred dollars.

New York.

NAVY-YARD, LEAGUE ISLAND, PENNSYLVANIA: To continue retaining wall about reserve basin, fifty thousand dollars; sea wall, extension, fifty thousand dollars; berth for receiving ship, to extend, twenty-five thousand five hundred dollars; in all, navy-yard, League Island, one hundred and twenty-five thousand five hundred dollars.

League Island.

NAVY-YARD, WASHINGTON, DISTRICT OF COLUMBIA: Paving, to extend, ten thousand dollars; grading, to extend, ten thousand dollars; quay wall, twenty-five thousand dollars; railroad bridge and tracks, forty thousand dollars; in all, navy-yard, Washington, eighty five thousand dollars.

Washington.

NAVY-YARD, CHARLESTON, SOUTH CAROLINA: Stone and concrete dry dock, to complete, fifty thousand dollars; grading and paving, fifteen thousand dollars; railroad system, extensions, fifteen thousand dollars; dredging, ninety-eight thousand dollars; conduit system, extension, ten thousand dollars; sewer system, extension, five thousand dollars; central power plant, thirty thousand dollars; railroad equipment, five thousand dollars; quay wall, thirty-four thousand dollars; heating system, extensions, fifteen thousand dollars; electric system, extension, ten thousand dollars; in all, navy-yard, Charleston, South Carolina, two hundred and eighty-seven thousand dollars.

Charleston.

NAVY-YARD, NORFOLK, VIRGINIA: Paving and grading, additional, ten thousand dollars; railroad tracks, extensions, eight thousand dollars; rebuilding coal wharf, twenty-five thousand dollars; telephone system, extensions, two thousand five hundred dollars; electric plant, extensions, twenty thousand dollars; machine shop for steam engineering, to complete, twenty-five thousand dollars; concrete and granite dry dock, to complete, one hun-

Norfolk.

dred thousand dollars; improvements to one-hundred-ton shears, to complete, twenty thousand dollars; repairs, buildings, Saint Helena, twenty-five thousand dollars; central power plant, one hundred and thirty thousand dollars; in all, navy-yard, Norfolk, Virginia, three hundred and sixty-five thousand five hundred dollars.

Key West. NAVAL STATION, KEY WEST, FLORIDA: Dredging and filling in, twenty-five thousand dollars; grading and paving, five thousand dollars; sidewalks along outside station wall on Government property, two thousand five hundred dollars; water systems, extensions, two thousand dollars; removing steel tanks from Dry Tortugas, ten thousand dollars; in all, navy-yard, Key West, Florida, forty-four thousand five hundred dollars.

Mare Island. NAVY-YARD, MARE ISLAND, CALIFORNIA: Railroad system, extension, five thousand dollars; electric-plant system, extension, ten thousand dollars; sewer system, extensions, three thousand dollars; heating system, extension, five thousand dollars; telephone system, extensions, one thousand dollars; electric capstans for dry dock numbered one, ten thousand dollars; extension of building numbered one hundred and nineteen, block and cooper shop, fifteen thousand dollars; improvements to building numbered ninety-six, shipfitters' shop, three thousand dollars; improvements to buildings numbered sixty-nine and seventy-one, twenty thousand dollars; improvements to coal cylinders, seven thousand five hundred dollars; workshop for electrical class, three thousand dollars; channel moorings, Mare Island Strait, nine thousand dollars; enlarging and moving dispensary building, six thousand dollars; improvements to naval prison, fifty thousand dollars; central light and power plant at Mare Island Navy-Yard, California, one hundred thousand dollars; removal of office building numbered one hundred and three, one thousand dollars; in all, navy-yard, Mare Island, two hundred and forty-eight thousand five hundred dollars.

Puget Sound. NAVY-YARD, PUGET SOUND, WASHINGTON: To continue grading, ten thousand dollars; electric-light plant, extensions, six thousand dollars; water system, extensions, five thousand dollars; heating system, extensions, five thousand dollars; roads and walks, extensions, two thousand five hundred dollars; stone and concrete dry dock, to continue, two hundred thousand dollars; quay wall, extensions, thirty thousand dollars; in all, navy-yard, Puget Sound, Washington, two hundred and fifty-eight thousand five hundred dollars.

Pensacola. NAVY-YARD, PENSACOLA, FLORIDA: Machinery for central power plant, thirty-five thousand dollars; conduit system, two thousand five hundred dollars; improvements to storehouse, building numbered twenty-five, five thousand dollars; and to enable the Secretary of the Navy to repair and reconstruct, where necessary, the buildings,

wharves, and other public works recently damaged by hurricane at the navy-yard, Pensacola, two hundred thousand dollars; in all, navy-yard, Pensacola, two hundred and forty-two thousand five hundred dollars.

NAVAL STATION, NEW ORLEANS, LOUISIANA: Improvement of water front, twenty-five thousand dollars; levee improvement and grading, twenty-five thousand dollars; central electric light and power plant, extension, fifty thousand dollars; railroad system, five thousand dollars; drainage system, ten thousand dollars; central heating plant, eighteen thousand dollars; paving, ten thousand dollars; fitting up yard buildings eight and sixteen, four thousand three hundred dollars; dispensary building, nine thousand dollars; in all, navy-yard, New Orleans, one hundred and fifty-six thousand three hundred dollars.

New Orleans.

NAVAL STATION, OLONGAPO, PHILIPPINE ISLANDS: Water system, forty thousand dollars; quay walls, fifty thousand dollars; in all ninety thousand dollars.

Olongapo.

NAVAL STATION, ISLAND OF GUAM: Dredging, seven thousand five hundred dollars; extension of naval-station roads, five thousand dollars; water supply system, ten thousand dollars; in all, twenty-two thousand five hundred dollars.

Guam.

NAVAL STATION, HAWAII: Grading, curbing, and fencing, one thousand one hundred dollars; fender timbers, piers one and two, two thousand dollars; in all, three thousand one hundred dollars.

Pearl Harbor.

NAVAL STATION, CAVITE, PHILIPPINE ISLANDS: Extension of building numbered sixty-four, seven thousand five hundred dollars; boat-storage shed, four thousand dollars; improvement of naval prison, one thousand five hundred dollars; in all, thirteen thousand dollars.

Cavite.

NAVAL STATION, CULEBRA, PORTO RICO: Clearing and grading, one thousand five hundred dollars; fencing, five hundred dollars; in all, two thousand dollars.

Porto Rico.

NAVAL STATION, TUTUILA: Barracks for native guard, five thousand dollars; operating room, one thousand dollars; in all, six thousand dollars.

Tutuila.

GOVERNMENT LANDING, NEWPORT, RHODE ISLAND: Steel floats, fences, dredging, and general improvements, seven thousand eight hundred and forty dollars.

Newport.

PLANS AND SPECIFICATIONS FOR PUBLIC WORKS: Plans and estimates required by section thirty-six hundred and sixty-three, Revised Statutes, and plans and specifications for public works, thirty thousand dollars.

Plans for public works.

* * * * *

PUBLIC WORKS UNDER THE SECRETARY OF THE NAVY.

BUILDINGS AND GROUNDS, NAVAL ACADEMY: To complete the construction of buildings, and for other necessary improvements at the Naval Academy, Annapolis, Maryland, as authorized by the acts of Congress approved

Naval Academy.

June seventh, nineteen hundred, and March third, nineteen hundred and three, three hundred and eighty thousand dollars.

Lepers provided for.

BUILDINGS FOR LEPERS, ISLAND OF GUAM: Naval station, island of Guam: Maintenance and care of lepers and other special patients, sixteen thousand dollars; in all, sixteen thousand dollars.

Total public works under Secretary's office, three hundred and ninety-six thousand dollars.

PUBLIC WORKS UNDER BUREAU OF NAVIGATION.

Naval training stations. California.

NAVAL TRAINING STATION, CALIFORNIA, BUILDINGS: For extra service pipe to Oakland shore, fifteen thousand dollars; to repair roads, one thousand dollars. To paint barracks buildings and officers' quarters, three thousand dollars; dispensary building, to cost not exceeding twenty thousand dollars; in all, thirty-nine thousand dollars.

Rhode Island.

NAVAL TRAINING STATION, RHODE ISLAND, BUILDINGS: Improving and grading grounds and roads, two thousand five hundred dollars; rebuilding old timber wharf and improving water front, nine thousand three hundred dollars; refrigerating plant, increase, seven thousand nine hundred and fifty dollars; artesian and fresh-water system (to extend), three thousand five hundred dollars; grading and walks at barracks "C," two thousand dollars; dredging channel and basin, five thousand dollars; steam-distributing lines, six thousand three hundred dollars; increase of heating and lighting plant, five thousand three hundred dollars; sanitary, heating, and ventilating system in barracks "B," nine thousand eight hundred and forty dollars; completion and repairs, three double sets of officers' quarters, four thousand two hundred and thirty-two dollars; furnishing assembly, lecture, and reading room, and improving basement story, two thousand nine hundred and ninety dollars; in all, naval training station, Rhode Island, fifty-eight thousand nine hundred and twelve dollars.

Great Lakes.

NAVAL TRAINING STATION, GREAT LAKES, BUILDINGS: Toward the continuance of construction of buildings in accordance with the provisions of the act of Congress approved June twenty-ninth, nineteen hundred and six, five hundred thousand dollars.

Electrical mains and conduits, heating mains and concrete conduits, heating station equipment, power plant equipment, water supply and sewage disposal, two hundred thousand dollars; in all, seven hundred thousand dollars.

In all, public works, Bureau of Navigation, seven hundred and ninety-seven thousand nine hundred and twelve dollars.

PUBLIC WORKS, BUREAU OF ORDNANCE.

NAVAL MAGAZINE, DOVER, NEW JERSEY: Two brick magazine buildings, each seventy-five feet by forty feet, to be known as magazines numbered six and seven, with the necessary railroad tracks to connect with the present system, twenty-two thousand dollars; in all, naval magazine, Dover, Lake Denmark, New Jersey, twenty-two thousand dollars. Naval magazines, Dover.

NAVAL MAGAZINE, SAINT JULIENS CREEK, NORFOLK, VIRGINIA: One brick magazine building, fifty feet by one hundred feet, fourteen thousand dollars; in all, fourteen thousand dollars. St. Juliens Creek.

NAVAL PROVING GROUND, INDIAN HEAD, MARYLAND: Shell and mount storehouse, including twenty-ton traveling crane and five-ton auxiliary hoist, to cost not exceeding twenty thousand five hundred dollars; laboratory annex, five thousand dollars; nitrate of soda storehouse, to replace building destroyed by fire, four thousand five hundred dollars; ether vault and tank, one thousand three hundred and eighty dollars; pyro storehouse, eight hundred and fifty dollars; completion of bomb proof for velocity battery, nine hundred dollars; clearing underbrush, care of grounds, and preservation of permanent way of railroad tracks, one thousand dollars; in all, naval proving ground, Indian Head, thirty-four thousand one hundred and thirty dollars. Indian Head.

Naval magazine, Fort Mifflin, Pennsylvania: Repairs to wharf and railroad track, five thousand dollars; installation of drainage system for five dwellings to discharge into river at low-water mark, two thousand five hundred dollars; one building of corrugated steel construction, eighteen by thirty-two feet, for use of workmen, one thousand two hundred dollars; in all, eight thousand two hundred dollars. Fort Mifflin.

Naval magazine, New England coast: Toward the erection of the necessary buildings on ground, the purchase of which is now under negotiation, as authorized by the act approved April twenty-seventh, nineteen hundred and four, for a new naval magazine on the New England coast; also toward inclosing said grounds, grading and filling in, building roads and walks, improvement of the water front, necessary wharves and cranes, railroad tracks, and rolling stock for local service, fire and water service, and equipment of the establishment, one hundred and thirty thousand dollars. New England coast.

Naval magazine, Mare Island, California: Toward additional magazine and storage facilities, quarters for gunners, fencing, extension of wharf, fire mains, lighting, telephone and railroad systems, and equipment pertaining thereto, fifty thousand dollars. Mare Island.

- Newport.** Torpedo station, Newport, Rhode Island: Rebuilding the oldest section of sea wall, five thousand dollars; ferry slip at torpedo station and Government landing, seven thousand five hundred dollars; in all, twelve thousand five hundred dollars.
- Iona Island.** Naval magazine, New York Harbor: For naval magazine, New York Harbor (Iona Island): Extension to locomotive house to hold number two compressed-air locomotive, eight hundred dollars; installing fire protection, standpipes, and nozzles in storehouse numbered one, one thousand and fifty dollars; one additional magazine building, standard construction, with grading of sites, fifteen thousand dollars; two filling houses, with steam heating, two thousand dollars; extension of railroad tracks, and new sidings, three thousand dollars; one heat-test house, one thousand dollars; extending sewers, five hundred dollars; primer house, six hundred dollars; in all, twenty-three thousand nine hundred and fifty dollars.
- Puget Sound.** Naval magazine, Puget Sound, Washington: For necessary buildings, water and fire system; fencing, clearing, and grading; railroad tracks, and equipment of the naval magazine, Puget Sound, on ground recently acquired for the purpose, total cost of the improvements to said grounds not to exceed one hundred and fifty-three thousand dollars, seventy-five thousand dollars.

Total public works under Bureau of Ordnance, three hundred and sixty-nine thousand seven hundred and eighty dollars.

PUBLIC WORKS UNDER BUREAU OF EQUIPMENT.

- Naval Observatory.** NAVAL OBSERVATORY: Grounds and roads: Continuing grading, extending roads and paths, clearing and improving grounds, ten thousand dollars.

PUBLIC WORKS UNDER BUREAU OF MEDICINE AND SURGERY.

- Improvements, naval hospitals, Pensacola.** Naval hospital, Pensacola, Florida: For the renewal of the present hospital buildings, fifteen thousand dollars, and for the erection of quarters for the medical staff outside the naval hospital, ten thousand dollars; in all, twenty-five thousand dollars.
- Puget Sound.** Naval hospital, Puget Sound, Washington: For the construction of naval hospital buildings, seventy-five thousand dollars, (total cost not to exceed one hundred and fifty thousand dollars).
- Washington.** Naval Hospital, Washington, District of Columbia: For the erection of an addition, symmetrical with the northeast pavilion, solarium, and connecting corridor, to the naval hospital, Washington, District of Columbia, sixty thousand dollars.
- Canacao.** Naval medical supply depot, Canacao, Philippine Islands: For the erection of a building for the United

States naval medical supply depot on the grounds of the naval hospital, Canacao, twenty-five thousand dollars.

Total public works under Bureau of Medicine and Surgery, one hundred and eighty-five thousand dollars.

PUBLIC WORKS, MARINE CORPS.

Barracks and quarters, Marine Corps: For construction of officers' quarters, navy-yard, League Island, Pennsylvania, to cost not to exceed thirty thousand dollars, thirty thousand dollars; Improvements, marine barracks, League Island.

For the purchase of ground adjoining the quartermasters' depot, Philadelphia, Pennsylvania, and erection thereon of an addition to said depot, at a cost of ground and building not to exceed two hundred thousand dollars, two hundred thousand dollars; Quartermaster's depot, Philadelphia.

To complete marine barracks and officers' quarters, walls and improvement to grounds, Washington, District of Columbia, eighty thousand dollars; Marine barracks, Washington.

For roads, walks, grading, and so forth, Marine Corps reservation, navy-yard, Norfolk, Virginia, five thousand dollars; Norfolk.

For construction of two officers' quarters, navy-yard, Pensacola, Florida, ten thousand dollars; Pensacola.

For construction of marine barracks, naval station, Guantanamo, Cuba, ten thousand dollars; Guantanamo.

For construction of an addition to the marine barracks, navy-yard, Bremerton, Washington, twelve thousand dollars; Bremerton, Puget Sound.

In all, public works, Marine Corps, three hundred and forty-seven thousand dollars.

BUREAU OF MEDICINE AND SURGERY.

* * * * *

For the equipment of a hospital for laborers at the naval station, Guantanamo, including ward, kitchen, dispensary, and operating-room supplies, to be immediately available, nine hundred dollars. Hospital, equipment of, at Guantanamo.

BUREAU OF SUPPLIES AND ACCOUNTS.

PROVISIONS, NAVY: * * * *Provided*, That section fifteen hundred and eighty-one of the Revised Statutes, as amended by act of June twenty-ninth, nineteen hundred and six, be, and it is hereby, further amended by adding thereto a paragraph as follows:

"Any article comprised in the Navy ration may be issued in excess of the authorized quantity, provided there be an under issue of the same value in some other article or articles: *And provided, further*, That the unexpended balances under appropriations 'Provisions, Navy,' for the fiscal years ending June thirtieth, nineteen hundred Navy ration, over and under issues.

and five and nineteen hundred and six, are hereby reappropriated for 'Provisions, Navy,' for the fiscal year ending June thirtieth, nineteen hundred and eight.

Purchases
less than \$500
in value.

CONTINGENT, BUREAU OF SUPPLIES AND ACCOUNTS:
* * *. It is "*Provided*, That the sum of ten thousand dollars from the unexpended balance under appropriation 'Contingent, Bureau of Supplies and Accounts,' for the fiscal year ending June thirtieth, nineteen hundred and six, is hereby reappropriated for 'Contingent, Bureau of Supplies and Accounts,' for the fiscal year ending June thirtieth, nineteen hundred and eight: *Provided further*, That hereafter the purchase of supplies and the procurement of services for all branches of the naval service may be made in open market in the manner common among business men, without formal contract or bond, when the aggregate of the amount required does not exceed five hundred dollars, and when, in the opinion of the proper administrative officers, such limitation of amount is not designed to evade purchase under formal contract or bond, and equally or more advantageous terms can thereby be secured."

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BUREAU OF CONSTRUCTION AND REPAIR.

Limitations
on repairs of
ships.

CONSTRUCTION AND REPAIR OF VESSELS: * * *. It is "*Provided* * * * That no * * * sum shall be applied to the repair of any other ship when the estimated cost of such repairs, to be appraised by a competent board of naval officers, shall exceed twenty per centum of the estimated cost, appraised in like manner, of a new ship of the same size and like material: *Provided*, That nothing herein contained shall deprive the Secretary of the Navy of the authority to order repairs of ships damaged in foreign waters or on the high seas, so far as may be necessary to bring them home: *And provided further*, That the Secretary of the Navy shall hereafter report to Congress, at the commencement of each regular session, the number of vessels and their names upon which any repairs or changes are proposed which in any case shall amount to more than two hundred thousand dollars, the extent of such proposed repairs or changes, and the amounts estimated to be needed for the same in each vessel; and expenditures for such repairs or changes so limited shall be made only after appropriations in detail are provided for by Congress."

Statutory
limit.

IMPROVEMENT OF CONSTRUCTION PLANT: * * *

Construction
plant, navy
yard, Charles-
ton.

For construction plant, navy-yard, Charleston, South Carolina: "Repairs to, and improvement of, plant at naval station, Charleston, South Carolina, twenty thousand dollars."

BUREAU OF STEAM ENGINEERING.

- * * * * *
- Machinery plant, navy-yard, New York, New York: For additional machine tools for copper, boiler, machine and pattern shops, and foundry, forty thousand dollars. Machinery plants, navy yards. New York.
- Machinery plant, League Island, Pennsylvania: For additional machine tools for machine and boiler shops, twenty-five thousand dollars. League Island.
- Machinery plant, naval station, Cavite, Philippine Islands: For additional machine tools, twenty-five thousand dollars. Cavite.
- Machinery plant, naval station, Olongapo, Philippine Islands: For machine tools required for equipment of shops for repair works, twenty thousand dollars. Olongapo.
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MARINE CORPS.

PAY, MARINE CORPS: * * *

It is "Provided, That hereafter privates regularly detailed and serving as cooks, shall receive, in addition to the pay otherwise allowed by law, the following: First-class cooks, ten dollars per month; second-class cooks, eight dollars; third-class cooks, seven dollars; and fourth-class cooks, five dollars."

Marines, cooks, additional compensation for.

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INCREASE OF THE NAVY.

That, for the purpose of further increasing the naval establishment of the United States, the President is hereby authorized to have constructed, by contract or in navy-yards, as hereinafter provided, one first class battle ship to cost, exclusive of armor and armament, not exceeding six million dollars, similar in all essential characteristics, and additional to, the battle ship authorized by the act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and seven, plans and specifications for which last-named vessel have already been prepared and submitted by the Secretary of the Navy for the information of Congress, as required by the provisions of the aforesaid act. One battle-ship.

Two torpedo boat destroyers, to have the highest practicable speed, and to cost, exclusive of armament, not to exceed eight hundred thousand dollars each: *Provided*, That the cost of the three torpedo boat destroyers provided for in the act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and seven, exclusive of armament, shall not exceed eight hundred thousand dollars each. Two torpedo-boat destroyers.

Contract,
award of.

And the contract for the construction of said vessels shall be awarded by the Secretary of the Navy to the lowest best responsible bidder, having in view the best results and most expeditious delivery; and in the construction of all of said vessels the provisions of the act of August third, eighteen hundred and eighty-six, entitled "An act to increase the naval establishment," as to materials for said vessels, their engines, boilers, and machinery, the contracts under which they are built, the notice of any proposals for the same; the plans, drawings, specifications therefor, and the method of executing said contracts shall be observed and followed, and, subject to the provisions of this act, all said vessels shall be built in compliance with the terms of said act, and in all their parts shall be of domestic manufacture; and the steel material shall be of domestic manufacture, and of the quality and characteristics best adapted to the various purposes for which it may be used, in accordance with specifications approved by the Secretary of the Navy; and of the vessels provided for in this act and the act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and seven, and for other purposes, not more than one battle ship and one torpedo boat destroyer, or two torpedo boat destroyers, shall be built by one contracting party: *Provided*, That the Secretary of the Navy may build any or all of the vessels herein authorized in such navy-yards as he may designate, and shall build any of the vessels herein authorized in such navy-yards as he may designate should it reasonably appear that the persons, firms, or corporations, or the agents thereof, bidding for the construction of any of said vessels have entered into any combination, agreement, or understanding the effect, object, or purpose of which is to deprive the Government of fair, open, and unrestricted competition in letting contracts for the construction of any of said vessels.

Submarines.

That the provision in the Naval Appropriation Act approved June twenty-ninth, nineteen hundred and six, authorizing the Secretary of the Navy to contract for subsurface or submarine boats after certain tests to be completed by March twenty-ninth, nineteen hundred and seven, is hereby amended, in accordance with the recommendation of the Secretary of the Navy, so as to extend the test period until May twenty-ninth, nineteen hundred and seven; and the limit of cost provided for in the authorization aforesaid is hereby increased to three million dollars, and the sum of one million dollars, which includes the half million dollars heretofore appropriated, is hereby appropriated, and to remain available until expended, no part of this appropriation to be expended for any boat that does not in such test prove to be equal in the judgment of the Secretary of the Navy to the best

boat now owned by the United States or under contract therefor, and no penalties under this limitation shall be imposed by reason of any delay in the delivery of said boat due to the submission or participation in the comparative trials aforesaid.

CONSTRUCTION AND MACHINERY: On account of hulls and outfits of vessels and steam machinery of vessels heretofore authorized, twelve million seven hundred and thirteen thousand nine hundred and fifteen dollars. Construction and machinery.

ARMOR AND ARMAMENT: Toward the armament and armor of domestic manufacture for vessels authorized, ten million dollars. Armor and armament.

INCREASE OF THE NAVY, EQUIPMENT: Toward the completion of the equipment outfit of the new vessels authorized, five hundred thousand dollars. Equipment.

Total increase of the Navy, twenty-three million seven hundred and thirteen thousand nine hundred and fifteen dollars.

That no part of any sum appropriated by this act shall be used for any expense of the Navy Department at Washington unless specific authority be given for such expenditure.

Approved, March 2, 1907.

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SIXTIETH CONGRESS, FIRST SESSION—MAY 13, 1908.

[PUBLIC—No. 115.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and nine, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

PAY OF THE NAVY.

Is added: "Hereafter all commissioned officers of the active list of the Navy shall receive the same pay and allowances according to rank and length of service, and the annual pay of each grade shall be as follows: For Admiral, thirteen thousand five hundred dollars; rear-admiral, first nine, eight thousand dollars; rear-admiral, second nine, or commodore, six thousand dollars; captain, four thousand dollars; commander, three thousand five hundred dollars; lieutenant-commander, three thousand dollars; lieutenant, two thousand four hundred dollars; lieutenant, junior grade, two thousand dollars; ensign, one thousand seven hundred dollars. There shall be allowed and paid to each commissioned officer below the rank of rear-admiral ten per centum of his current yearly pay for each term of five years service in the Army, Navy, and Marine Corps. The total amount of such increase for length of service shall in no case exceed forty per centum on the yearly pay of the grade as provided by law: *Provided*, That the annual pay of captain shall not exceed five thousand dollars per annum; of commander, four thousand five hundred dollars per annum; and of lieutenant-commander, four thousand dollars per annum. All officers on sea duty and all officers on shore duty beyond the continental limits of the United States shall while so serving receive ten per centum additional^a of their salaries and increase as above provided, and such increase shall commence from the date of reporting for duty on board ship or the date of sailing from the United States for shore duty beyond the seas or to join a ship in foreign waters. The pay of midshipmen shall hereafter be six hundred dollars per annum while at the Naval Academy, and one thousand four hundred dollars per annum after graduation from the Naval Academy.

Rates of pay,
officers of the
Navy, active
list.

^a "In computing the pay of retired officers of the navy, the 10 per cent additional pay allowed for sea duty or for shore duty beyond the continental limits of the United States shall not be included, and the pay of commodore shall be the same in all respects as that of rear-admiral, second nine."—Deficiency act, May 30, 1908.

The pay of all warrant officers and mates is hereby increased twenty-five per centum, and all paymasters' clerks shall, while on duty, receive the same pay and allowances as warrant officers of like length of service in the Navy. The pay of all active and retired enlisted men of the Navy is hereby increased ten per centum: *Provided further*, That the pay and allowances of chiefs of bureaus in the Navy Department shall be the highest pay of the grade to which they belong, and not below that of rear-admiral of the lower nine, and that the pay and allowances of chaplains in the Navy shall in no case exceed that provided for lieutenant-commanders. Aids to rear-admirals embraced in the nine lower numbers of that grade shall each receive one hundred and fifty dollars additional per annum, and aids to all other rear-admirals, two hundred dollars additional per annum each. When an officer of the Navy has been thirty years in the service, he may, upon his own application, in the discretion of the President, be retired from active service and placed upon the retired list with three-fourths of the highest pay of his grade: *And provided further*, That any officer of the Navy who is now serving or shall hereafter serve as chief of a bureau in the Navy Department, and shall subsequently be retired, shall be retired with the rank, pay, and allowances authorized by law for the retirement of such bureau chief. The pay of all commissioned, warrant, and appointed officers and enlisted men of the Navy now on the retired list shall be based on the pay, as herein provided for, of commissioned, warrant, and appointed officers and enlisted men of corresponding rank and service on the active list; and all pay herein provided shall remain in force until changed by act of Congress. Nothing herein shall be construed so as to reduce the pay or allowances now authorized by law for any commissioned, warrant, or appointed officer or any enlisted man of the active or retired lists of the Navy, and all laws inconsistent with this provision are hereby repealed.

Retired list,
rate of pay.

Six months'
pay to benefi-
ciaries of de-
ceased officers
and enlisted
men.

That hereafter immediately upon official notification of the death from wounds or disease contracted in line of duty of any officer or enlisted man on the active list of the Navy and Marine Corps the Paymaster-General of the Navy shall cause to be paid to the widow of such officer or enlisted man, or any person previously designated by him, an amount equal to six months' pay at the rate received by such officer or enlisted man at the date of his death, less seventy-five dollars in the case of an officer and thirty-five dollars in the case of an enlisted man, to defray expenses of interment, and the residue, if any, of the amount reserved shall be paid subsequently to the designated person. The Secretary of the Navy shall establish regulations requiring each officer and enlisted man to designate the proper person to whom this amount

shall be paid in case of death, and said amount shall be paid to that person from funds appropriated for the pay of the Navy and Marine Corps.

PAY, MISCELLANEOUS.

The Secretary of the Navy shall send to Congress at the beginning of its next regular session a complete schedule or list showing the amount in money of all pay under the provisions of this act and for all allowances for each grade of officers in the Navy, including retired officers, and for all officers included in this act and for all enlisted men so included.

The estimates for the support of the Navy shall hereafter show, under the head of Pay of the Navy, the sums allowed for pay of officers belonging to the line, to the several departments of the staff, and to the retired list; the estimates to show under each head the amount allowed for pay proper, for increases due to longevity and foreign service, and for pay at sea rates to officers employed on shore; together with the total number of warrant and petty officers and seamen of the several grades and designations, including as to each class the amount allowed for pay proper and for longevity or service increases. The estimates shall include a list giving the rates of pay for all petty officers and other enlisted men of the Navy.

Estimates of pay, officers and enlisted men, how made.

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For * * * all charges pertaining to the Navy Department and its bureaus for ice for the cooling of drinking water on shore (except at naval hospitals), telephone rentals and tolls, telegrams, cablegrams, and postage, foreign and domestic, post-office box rentals; and other necessary and incidental expenses, * * *.

Miscellaneous items.

BUREAU OF NAVIGATION.

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For badges and ribbons to be distributed by the Secretary of the Navy to officers and men of the Navy and Marine Corps who have participated in engagements and campaigns deemed worthy of such commemoration, three thousand five hundred dollars.

Badges, etc.

That the use of irons, single or double, as a form of punishment in the Navy of the United States is hereby abolished, except for the purposes of safe custody or when part of the sentence imposed by a general court-martial.

Irons, abolished.

BUREAU OF ORDNANCE.

* * * * *

Ammunition and other supplies for ships, two million seven hundred and fifty thousand dollars: *Provided,*

Munitions, issue of.

Shell, stand-
ards for.

That the Secretary of the Navy is hereby authorized to utilize all ammunition and other supplies already on hand under the appropriations "Increase of the Navy; Armor and Armament," "Reserve Ammunition," and "Reserve Powder and Shell," for general issue to ships in commission, as though purchased from this appropriation: *Provided*, That no part of this appropriation shall be expended for the purchase of shells or projectiles except for shells or projectiles purchased in accordance with the terms and conditions of proposals submitted by the Secretary of the Navy to all of the manufacturers of shells and projectiles and upon bids received in accordance with the terms and requirements of such proposals. All shells and projectiles shall conform to the standards prescribed by the Secretary of the Navy.

Machine
tools for navy
yard and mag-
azine.
Dover.
Mare Island.

* * * * *
Machine tools, navy-yard, New York, and magazine, Dover, New Jersey, ten thousand dollars.

Machine tools, navy-yard, Mare Island, California, fifty thousand dollars.

One five-ton auxiliary hoist, building numbered one hundred and eleven, navy-yard, Mare Island, California, three thousand five hundred dollars.

New bat-
teries.

* * * * *
NEW BATTERIES FOR SHIPS OF THE NAVY: For completing the work of modifying four-inch forty-caliber mounts, and providing new sights; and for modifying five-inch forty-caliber mounts, and providing new sights for same, sixty thousand dollars.

For replacing three-pounder and six-pounder guns, mounts, and sights on board battle ships and armored cruisers by three-inch fifty-caliber, or larger, guns, mounts, and sights, four hundred and fifteen thousand dollars.

For replacing eight-inch Mark V guns (forty-caliber) with eight-inch Mark VI guns (forty-five caliber) on United States ship "Maryland" and class (twenty guns), two hundred and fifty thousand dollars.

To reline and convert twelve-inch Mark III guns to mark IV guns, three hundred and fifty thousand dollars.

For replacing Mark IX Modern two-firing locks with Mark X firing locks on five-inch and six-inch guns, forty-five thousand dollars.

For fire-control instruments for ships, three hundred thousand dollars.

Torpedoes.
Converting tor-
pedo boats.

TORPEDOES, AND CONVERTING TORPEDO BOATS: For converting twenty torpedo boats from boats using three and fifty-five one-hundredths meter, to boats using five-meter torpedoes, and for the purchase and manufacture of torpedoes, six hundred and fifty thousand dollars.

BUREAU OF EQUIPMENT.

* * * * *	
<p>EQUIPMENT MACHINERY PLANTS: For the purchase and installation of the necessary machinery and tools in the following equipment buildings which have been appropriated for and are nearing completion:</p>	<p>Machinery and tools, equipment shops—</p>
<p>Equipment building at Charleston, fifty thousand dollars;</p>	<p>Charleston.</p>
<p>Equipment building at New Orleans, twenty-five thousand dollars;</p>	<p>New Orleans.</p>
<p>Equipment building at Pensacola, twenty-five thousand dollars.</p>	<p>Pensacola.</p>
* * * * *	

PUBLIC WORKS, BUREAU OF YARDS AND DOCKS.

<p>NAVY-YARD, PORTSMOUTH, NEW HAMPSHIRE: Sewer system, extension, six thousand five hundred dollars; to complete blasting in front of quay wall, sixty thousand dollars; storehouse for combustibles, thirty thousand one hundred dollars; railroad extension, ten thousand dollars; heating system, extension, twenty thousand dollars; electric plant, extension, twenty thousand dollars; steam main central power plant to steam engineering plant, nine thousand dollars; naval prison, extension, sixty-five thousand dollars; quay walls, extension, twenty-five thousand dollars; in all, two hundred and forty-five thousand six hundred dollars.</p>	<p>Portsmouth.</p>
<p>NAVY-YARD, BOSTON, MASSACHUSETTS: Railroad rolling stock, three thousand dollars; telephone system, extensions, two thousand dollars; repairs to pier numbered one, five thousand dollars; power plant, extensions, one hundred and fifty thousand dollars; railroad system, extensions, seven thousand dollars; underground conduit system, extension, thirty thousand eight hundred dollars; in all, navy-yard, Boston, one hundred and ninety-seven thousand eight hundred dollars.</p>	<p>Boston.</p>
<p>NAVY-YARD, NEW YORK, NEW YORK: Electric plant, extensions, forty thousand dollars; underground conduits, extension, twenty-five thousand dollars; central power plant, one hundred and fifteen thousand dollars; railroad equipment, additional, five thousand dollars; sewers and drains, fifteen thousand dollars; railroad system, extensions, fifteen thousand dollars; repairs to roofs of buildings, twenty thousand dollars; telephone system, extensions, twelve thousand dollars; reconstructing roof, power house numbered forty-one, thirty-three thousand dollars; extending chemical laboratory, six thousand dollars; in all, navy-yard, New York, New York, two hundred and eighty-six thousand dollars: <i>Provided</i>, That the Secretary of the Navy is hereby authorized to expend toward the general improvement of the water front at</p>	<p>New York.</p>

the navy-yard, New York, New York, the unexpended balance of the appropriation made by the act approved June seventh, nineteen hundred, making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and one, and for other purposes, for the construction of a bascule bridge at said navy-yard: *Provided further*, That the limit of cost of dry dock numbered four at the navy-yard, New York, New York, is hereby fixed at one million five hundred thousand dollars, and the Secretary of the Navy is authorized, in his discretion, to construct said dry dock by contract or day labor, or both, as he may deem to be for the best interests of the Government.

Philadelphia. NAVY-YARD, PHILADELPHIA, PENNSYLVANIA: Shelves and wall cases, and so forth, for building numbered four, Supplies and Accounts storehouse, twelve thousand dollars; extension to railroad system, ten thousand dollars; extension of electric conduit system, eight thousand dollars; central power plant, extension, one hundred and fifty thousand dollars; equipment for railroad, five thousand dollars; raising and repairing mess hall at camp, five thousand dollars; in all, navy-yard, Philadelphia, one hundred and ninety thousand dollars.

Washington. NAVY-YARD, WASHINGTON, DISTRICT OF COLUMBIA: Quay wall, to complete, twenty-five thousand dollars; storage bins for perishable material, six thousand dollars; machinery for power-plant extension, twelve thousand dollars; electric-light plant extension, five thousand dollars; in all, forty-eight thousand dollars.

Norfolk. NAVY-YARD, NORFOLK, VIRGINIA: Railroad tracks, extensions, fifteen thousand dollars; telephone system, extensions, seven thousand dollars; electric plant, extensions, fifty thousand dollars; repairs, buildings, Saint Helena, twenty-five thousand dollars; central power plant, to complete, two hundred thousand dollars; dredging, to continue, fifty thousand dollars; railroad rolling stock, ten thousand dollars; extension of wharf at dry dock numbered three, fifty thousand dollars; heating system, extensions, ten thousand dollars; compressed-air system, extensions, ten thousand dollars; dry kiln for construction and repair, seven thousand five hundred dollars; renew roof of foundry, building numbered twenty-two, steam engineering, eight thousand dollars; new roof and crane for building numbered twenty-three, steam engineering, sixty thousand dollars; elevator in buildings numbered eleven, thirteen, fourteen, seventeen, and thirty-three, twenty thousand dollars; naval supply storehouse (to cost four hundred and fifty thousand dollars) fifty thousand dollars; improvements to building numbered sixteen, complete, twenty-five thousand dollars; heating building numbered thirty-seven, steam engineering, seven thousand five hundred dollars; improvements to water front, one hundred thousand dollars; in

all, navy-yard, Norfolk, Virginia, seven hundred and five thousand dollars.

NAVY-YARD, CHARLESTON, SOUTH CAROLINA: Sewer system, extension, five thousand dollars; heating system, extensions, ten thousand dollars; completing power plant, seventy thousand dollars; slips for torpedo boats, fifty thousand dollars; elevator and interior fittings, building numbered seven, seventeen thousand dollars; paving and grading (to continue), ten thousand dollars; clearing yard, five thousand dollars; in all, navy-yard, Charleston, South Carolina, one hundred and sixty-seven thousand dollars.

Charleston.

NAVY-YARD, PENSACOLA, FLORIDA: Machinery for central power plant, fifteen thousand dollars; water system, ten thousand dollars; railroad track and equipment, ten thousand dollars; tools for yards and docks, one thousand eight hundred dollars; in all, navy-yard, Pensacola, thirty-six thousand eight hundred dollars.

Pensacola.

NAVAL STATION, NEW ORLEANS, LOUISIANA: Drainage system, to continue, five thousand dollars; central heating plant, extension, ten thousand dollars; underground conduit system, five thousand dollars; improvements to machine shop, building numbered four, six thousand dollars; sewer system, extensions, five thousand dollars; improvements to River Front, twenty-five thousand dollars; in all, navy-yard, New Orleans, fifty-six thousand dollars.

New Orleans.

NAVY-YARD, MARE ISLAND, CALIFORNIA: Railroad system, extension, ten thousand dollars; telephone system, extensions, two thousand dollars; central power plant at Mare Island Navy-Yard, California, one hundred thousand dollars; grading and paving, extension, fifteen thousand dollars; quay wall, extension, fifty thousand dollars; new elevators in buildings numbered sixty-nine and seventy-one, four thousand dollars; dredging, ten thousand dollars; improvement of channel in Mare Island Strait, to continue, twenty thousand dollars; in all, navy-yard, Mare Island, two hundred and eleven thousand dollars.

Mare Island.

NAVY-YARD, PUGET SOUND, WASHINGTON: Electric-light plant, extensions, five thousand dollars; water system, extensions, twelve thousand dollars; heating system, extensions, six thousand dollars; stone and concrete dry dock, to continue (to cost two million dollars), one hundred thousand dollars; sewer system, extensions, three thousand dollars; telephone system, extensions, three thousand dollars; railroad and equipment, extensions, ten thousand dollars; central power plant, extensions, two hundred and eighty thousand dollars; hardwood lumber shed, twenty thousand dollars; water-closet for ships in dock, twelve thousand dollars; oil house, thirty thousand dollars; dry kiln, six thousand dollars; underground conduit system, fifteen thousand dollars; electric

Puget Sound.

elevator and fittings, building numbered fifty-nine, eight thousand dollars; foundry for all departments (to cost one hundred and seventy-five thousand dollars), fifty thousand dollars; in all, navy-yard, Puget Sound, Washington, five hundred and sixty thousand dollars.

Olongapo.

NAVAL STATION, OLONGAPO, PHILIPPINE ISLANDS: Toward the improvement and development of the Naval Station, Olongapo, Philippine Islands, one hundred thousand dollars. The Secretary of the Navy is hereby authorized to expend, without limitation as to quantities and unit prices, the various amounts appropriated by the act approved April twenty-seventh, nineteen hundred and four, entitled "An act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and five, and for other purposes," for the naval station, Olongapo, Philippine Islands, for the respective improvements therein named.

Guam.

NAVAL STATION, ISLAND OF GUAM: Dredging, three thousand dollars; extension of naval-station roads, ten thousand dollars; water-supply system, ten thousand dollars; fire-protection system, seven thousand five hundred dollars; extension of telephone system, one thousand five hundred dollars; in all, thirty-two thousand dollars.

NAVAL STATION, HONOLULU, HAWAII: Repairs to wharves, six thousand dollars.

Pearl Harbor.

NAVAL STATION, PEARL HARBOR, HAWAII: The Secretary of the Navy is hereby authorized and directed to establish a naval station at Pearl Harbor, Hawaii, on the site heretofore acquired for that purpose; and to erect thereat all the necessary machine shops, storehouses, coal sheds, and other necessary buildings, and to build thereat one graving dry dock capable of receiving the largest war vessels of the Navy, at a cost not to exceed two million dollars for said dry dock. The sums hereinafter stated are hereby appropriated and made immediately available, to be expended at the discretion of the Secretary of the Navy, to wit: Toward dredging an entrance channel of a depth of thirty-five feet, four hundred thousand dollars; toward construction of dry docks, three hundred thousand dollars; toward erecting machine shops (to cost three hundred thousand dollars), one hundred thousand dollars; storehouses (to cost three hundred thousand dollars), one hundred thousand dollars; toward yard development, one hundred thousand dollars; in all, one million dollars. That the Secretary of the Navy may, in his discretion, enter into contracts for any portion of the work, including material therefor, within the respective limits of cost herein stipulated, subject to appropriations to be made therefor by Congress, or may direct the construction of said works or any portion thereof under the supervision of a civil engineer of the Navy.

NAVAL STATION, CAVITE, PHILIPPINE ISLANDS: Extension of boat-storage shed, six thousand dollars; improvements to central wharf, five thousand dollars; receiving and shipping shed, five thousand five hundred dollars; improvements to buildings one, two, three, four H, six thousand dollars; improvements to building numbered twenty-nine, four thousand five hundred dollars; improvements to building numbered nine, three thousand five hundred dollars; lumber shed in building numbered eighty-four, one thousand seven hundred dollars; improvements to building numbered twenty-three, six thousand five hundred dollars; improvements to number one ways, sixteen thousand dollars; improvements to building numbered eighty-three, three thousand dollars; railroad system, extension, two thousand dollars; in all, fifty-nine thousand seven hundred dollars.

Cavite.

NAVAL STATION, CULEBRA, PORTO RICO: Clearing and cleaning station, one thousand five hundred dollars; cold-storage plant, four thousand dollars; improvements, water system, one thousand six hundred dollars; sewer system, two thousand dollars; fire-protection system, two thousand dollars; in all, eleven thousand one hundred dollars.

Culebra.

NAVAL STATION, TUTUILA: Dispensary and sick quarters, fifteen thousand dollars.

Tutuila.

PLANS AND SPECIFICATIONS FOR PUBLIC WORKS: Navy Department: Plans and estimates required by section thirty-six hundred and sixty-three, Revised Statutes, and plans and specifications for public works, thirty thousand dollars.

Plans and specifications.

* * * * *

FLOATING DERRICKS: One one-hundred ton floating derrick (to cost two hundred and fifty thousand dollars), one hundred thousand dollars.

Floating derricks.

The Secretary of the Navy is hereby authorized to transfer from the navy-yard, Boston, Massachusetts, to and erect at the navy-yard, Portsmouth, New Hampshire, the one-hundred ton shears improved and repaired under the acts approved July first, nineteen hundred and two, and March third, nineteen hundred and three, and the unexpended balances of the appropriations made by said acts for the improvement of said shears are hereby reappropriated, and the further sum of two thousand four hundred dollars is hereby appropriated for this purpose.

One-hundred-ton shears, Boston to Portsmouth.

Total public works, navy-yards and stations, four million six hundred and fifty-nine thousand four hundred dollars.

The Secretary of the Navy shall report to Congress, at the commencement of the next regular session, the amount of money expended on consolidation of power plants since the authorization for such consolidation was given,

Consolidation of power plants, report of expenditures.

in nineteen hundred and four, such statement to be in detail for each navy-yard and to indicate amount expended for building and machinery separately; also to include a statement of the value of building and power plants at each navy-yard at the date of the above noted authorization; also the total amounts appropriated for power houses and power-plant extensions which had not been utilized on April twenty-seventh, nineteen hundred and four, the date of the authorization of the consolidations.

PUBLIC WORKS UNDER THE SECRETARY OF THE NAVY.

Naval Academy. BUILDINGS AND GROUNDS, NAVAL ACADEMY: For enlarging the water plant of the Naval Academy, enlarging the reservoir, installing additional pumps, filters, piping, and strainers; and for all other materials and labor for this purpose, forty thousand dollars.

For the erection of three fireproof buildings, to be used as magazines and filling house, and including necessary grading, walks, and landing stage, seven thousand dollars.

Lepers, Guam. BUILDINGS FOR LEPERS, ISLAND OF GUAM: Naval station, island of Guam: Maintenance and care of lepers and other special patients, fifteen thousand dollars; in all, fifteen thousand dollars.

Total public works under Secretary's office, sixty-two thousand dollars.

PUBLIC WORKS UNDER BUREAU OF NAVIGATION.

Improvements, naval training stations, California. NAVAL TRAINING STATION, CALIFORNIA, BUILDING: Extension of wharf to which Pensacola is moored, twelve thousand dollars; pipe line and tank for dispensary, four thousand dollars; repairs to long wharf, nine thousand dollars; increase of electric plant, two thousand five hundred dollars; roads, grounds, and planting of trees, two thousand dollars; in all, twenty-nine thousand five hundred dollars.

Rhode Island. NAVAL TRAINING STATION, RHODE ISLAND, BUILDINGS: Improving and grading grounds and roads, two thousand dollars; dredging channel and basin, three thousand dollars; steam-distributing lines, eight thousand two hundred and fifty dollars; increase of heating and lighting plant, fifteen thousand dollars; electric distributing and lighting system, to increase, eight thousand three hundred and forty dollars; receiving and disinfecting building, thirty thousand dollars; additional detention building, twenty thousand dollars; repairs to barracks "B," nine thousand eight hundred dollars; walks at detention barracks, two thousand dollars; water-closet buildings for workmen, one thousand five hundred dollars; new

wharf to Reina Mercedes, fifteen thousand dollars; for bakery, including scales, refrigerating plant, and necessary equipment to make the same suitable for use in connection with the training of bakers and cooks, twenty-five thousand dollars; in all, naval training station, Rhode Island, one hundred and thirty-nine thousand eight hundred and ninety dollars.

NAVAL TRAINING STATION, GREAT LAKES, BUILDINGS: To complete buildings in accordance with the provisions of the act of Congress approved June twenty-ninth, nineteen hundred and six, seven hundred and fifty thousand dollars.

Great Lakes.

To complete electrical mains and conduits, heating mains and concrete conduits, heating station equipment, power plant equipment, water supply and sewage disposal, one hundred and ninety-three thousand one hundred dollars.

Furniture, commandant's quarters, three thousand five hundred dollars.

Furniture, six officers' quarters, nine thousand dollars.

For architect's fee of three and one-half per centum of estimated cost of buildings authorized by act of Congress, approved June twenty-ninth, nineteen hundred and six, seventy thousand dollars.

For cost of inspection of public works, twenty-five thousand dollars.

For pile revetment and grading at site of sewage-disposal plant, thirty-five thousand dollars.

Construction of trestle to power house, ten thousand dollars.

In all, one million and ninety-five thousand six hundred dollars;

In all, public works, Bureau of Navigation, one million two hundred and sixty-four thousand nine hundred and ninety dollars.

PUBLIC WORKS, BUREAU OF ORDNANCE.

NAVAL PROVING GROUND, INDIAN HEAD, MARYLAND: Providing and laying conduits for chronograph, bell, telephone and power lines, three thousand seven hundred and forty dollars; raising roof of powder-factory storehouse, and so forth, three thousand four hundred and forty dollars; concrete retaining wall, two thousand five hundred dollars; extending machine shop, two thousand and eighty dollars; tide bridge for loading barges, three thousand dollars; in all, naval proving ground, Indian Head, fourteen thousand seven hundred and sixty dollars.

Improvements, naval magazines, Indian Head.

Naval magazine, Fort Mifflin, Pennsylvania: Three filling houses, five thousand one hundred dollars; installation of watchman's clock system, two thousand dollars; to complete one building for marine guard, seven thou-

Fort Mifflin.

sand five hundred dollars; in all, fourteen thousand six hundred dollars.

Mare Island. Naval magazine, Mare Island, California: One compressed air locomotive, three thousand five hundred dollars; one hoisting crane on wharf, two thousand dollars; new floors in buildings numbered A one, two, three, and four, six thousand dollars; in all, eleven thousand five hundred dollars.

Iona Island. Naval magazine, New York Harbor: For naval magazine, New York Harbor (Iona Island): Marine barracks, ten thousand dollars; in all, ten thousand dollars.

Puget Sound. For naval magazine, navy-yard, Puget Sound, Washington: One fuze house, two thousand two hundred dollars; one observation magazine, three thousand seven hundred and fifty dollars; one magazine, seven thousand dollars; one watchman's house, four thousand five hundred dollars; one stable, one thousand five hundred dollars; railroad system, fifteen thousand four hundred dollars.

In all, thirty-four thousand three hundred and fifty dollars.

Newport. Torpedo station, Newport, Rhode Island: Steel track, six hundred and fifty dollars; new water main across harbor, three thousand five hundred dollars; additional machinery for torpedo factory, fifty thousand dollars; in all, fifty-four thousand one hundred and fifty dollars.

Pensacola. NAVY-YARD, PENSACOLA, FLORIDA: For navy-yard, Pensacola, Florida: Construction of water tank tower, five thousand dollars.

Olongapo. NAVAL MAGAZINE, OLONGAPO, PHILIPPINE ISLANDS: For naval station, Olongapo, Philippine Islands: One chemical laboratory for testing smokeless powder, two thousand dollars; one set of quarters for inspector of ordnance and powder, six thousand dollars.

Total public works under Bureau of Ordnance, one hundred and fifty-two thousand three hundred and sixty dollars.

PUBLIC WORKS UNDER BUREAU OF EQUIPMENT.

Naval Observatory. NAVAL OBSERVATORY: Grounds and roads: Continuing grading, extending roads and paths, clearing and improving grounds, ten thousand dollars.

PUBLIC WORKS UNDER BUREAU OF MEDICINE AND SURGERY.

Improvements, naval hospitals. Naval hospital, Annapolis, Maryland: For the erection of new wards, eighty-five thousand dollars.

Annapolis. Norfolk. Naval hospital, Norfolk, Virginia: For the renovation of the present hospital buildings and for the erection of new wards, to cost not to exceed two hundred thousand dollars, as authorized by the act of Congress approved

June twenty-ninth, nineteen hundred and six, one hundred thousand dollars.

Naval hospital, Great Lakes: For the erection of naval hospital buildings, to cost not to exceed two hundred and fifty thousand dollars, one hundred thousand dollars.

Great Lakes.

Naval hospital, Puget Sound, Washington: For the completion of naval hospital buildings, seventy-five thousand dollars, (total cost not to exceed one hundred and fifty thousand dollars,) as authorized by the naval act of March second, nineteen hundred and seven.

Puget Sound.

Total public works under Bureau of Medicine and Surgery, three hundred and sixty thousand dollars.

PUBLIC WORKS, MARINE CORPS.

For the completion of the storehouse, marine barracks, Boston, Massachusetts, twenty thousand dollars.

Improvements, marine barracks and quarters. Boston. New York.

For the completion of the storehouse, marine barracks, navy-yard, New York, New York, thirty thousand dollars.

Barracks and quarters, Marine Corps: to complete three officers' quarters, marine barracks, navy-yard, Philadelphia, Pennsylvania, fifteen thousand dollars.

Philadelphia.

To complete the quartermaster's depot, Philadelphia, Pennsylvania, the purchase of ground adjoining such building, and addition to depot, seventy thousand dollars.

Quartermaster's depot.

For the completion of officers' quarters, marine barracks, navy-yard, Norfolk, Virginia, five thousand dollars.

Norfolk.

Naval station, Charleston, South Carolina: For the completion of officers' quarters, twenty-five thousand dollars; and for marine barracks, fifty thousand dollars; in all, seventy-five thousand dollars.

Charleston.

To complete officers' quarters, marine barracks, navy-yard, Pensacola, Florida, five thousand dollars.

Pensacola.

For installing electric lights and heating system, marine barracks, Sitka, Alaska, five thousand dollars.

Sitka.

For the completion of officers' quarters, naval station, Olongapo, Philippine Islands, ten thousand dollars; and for the construction and completion of amusement room and gymnasium for enlisted men, ten thousand dollars.

Olongapo.

For the necessary repairs and improvements to such buildings at the naval station, New London, Connecticut, as have been assigned to the Marine Corps by the Navy Department, ten thousand dollars, which sum shall be in addition to the twenty-five thousand dollars appropriated for this object in the naval appropriation act, approved June twenty-ninth, nineteen hundred and six.

New London.

In all, public works, Marine Corps, two hundred and fifty-five thousand dollars.

BUREAU OF MEDICINE AND SURGERY.

Nurse corps,
establishment
of.

* * * * *

The nurse corps (female) of the United States Navy is hereby established, and shall consist of one superintendent, to be appointed by the Secretary of the Navy, who shall be a graduate of a hospital training school having a course of instruction of not less than two years, whose term of office may be terminated at his discretion, and of as many chief nurses, nurses, and reserve nurses as may be needed: *Provided*, That all nurses in the nurse corps shall be appointed or removed by the Surgeon-General, with the approval of the Secretary of the Navy, and that they shall be graduates of hospital training schools having a course of instruction not less than two years. The appointment of superintendent, chief nurses, nurses, and reserve nurses shall be subject to an examination as to their professional, moral, mental, and physical fitness, and that they shall be eligible for duty at naval hospitals and on board of hospital and ambulance ships and for such special duty as may be deemed necessary by the Surgeon-General of the Navy. Reserve nurses may be assigned to active duty when the necessities of the service demand, and when on such duty shall receive the pay and allowances of nurses: *Provided*, That they shall receive no compensation except when on active duty. The superintendent, chief nurses, and nurses shall respectively receive the same pay, allowances, emoluments, and privileges as are now or may hereafter be provided by or in pursuance of law for the nurse corps (female) of the Army.

Hospital
Corps, pay of.

The pay of enlisted men of the Hospital Corps shall be the same as that provided for the corresponding ratings of the seaman branch and other staff corps of the Navy.

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BUREAU OF CONSTRUCTION AND REPAIR.

Repairs to
vessels speci-
fied.

CONSTRUCTION AND REPAIR OF VESSELS: * * *

Provides, "The Secretary of the Navy is hereby authorized to make expenditures from appropriate funds under the various bureaus for repairs and changes on the vessels herein named in an amount not to exceed the sum specified for each vessel, respectively, as follows: The Brooklyn, four hundred and fifty-three thousand five hundred dollars; the San Francisco, six hundred thousand two hundred and fifty dollars; the Baltimore, six hundred and fifty-three thousand three hundred dollars; the Alabama, six hundred and sixty-seven thousand five hundred dollars; the Illinois, six hundred and sixty-seven thousand five hundred dollars; the Iowa, five hundred and fifty-seven thousand five hundred dollars; the Kearsarge, six hundred and seventy-three thousand five hun-

dred dollars; the Kentucky, six hundred and seventy-three thousand five hundred dollars; the Maine, two hundred thousand dollars; the Adder, forty-six thousand five hundred dollars; the Bennington, one hundred and ninety-five thousand seven hundred and fifty dollars; the Grampus, fifty-seven thousand five hundred dollars; the Moccasin, forty-six thousand five hundred dollars; the Pike, fifty-seven thousand five hundred dollars; the Paul Jones, seventy-seven thousand dollars; the Nicholson, fifty-five thousand dollars; the O'Brien, fifty-five thousand dollars; the Narkeeta, nineteen thousand dollars; the Holland, thirty-two thousand dollars and eighty-eight cents; in all, five million seven hundred and eighty-eight thousand three hundred dollars and eighty-eight cents, as per the report of the Secretary of the Navy, House Document Numbered Six hundred and fifty-six, Sixtieth Congress, and letters of the Secretary of the Navy of April twentieth, nineteen hundred and eight, concerning general repairs to the Maine."

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BUREAU OF STEAM ENGINEERING.

STEAM MACHINERY: * * *

It is "Provided, * * * to complete the machinery of the seagoing tugs Patapsco and Patuxent, now building at the navy-yards at Portsmouth, New Hampshire, and Norfolk, Virginia.

Patapsco.
Patuxent.

* * * * *

Machinery plant, navy-yard, Portsmouth, New Hampshire: To outfit new shops, authorized and completed or nearly completed, especially the new boiler and pattern shops, with new power tools, and with the necessary fixtures and motors, and to replace obsolete and worn-out machine tools, thirty thousand dollars; in all, thirty thousand dollars.

Machinery
plants at navy
yards.
Portsmouth.

Machinery plant, navy-yard, Boston, Massachusetts: For additional machine tools for boiler shop extension and the coppersmith shop, twenty-five thousand dollars.

Boston.

* * * * *

Machinery plant, naval station, New Orleans, Louisiana: To continue purchase and installation of new machine tools to equip shops for repair of naval vessels, ten thousand dollars.

New Orleans.

Machinery plant, navy-yard, Mare Island, California: For additional new machine tools required in new and repair work of naval vessels, twenty-five thousand dollars.

Mare Island.

Machinery plant, navy-yard, Puget Sound, Washington: For additional new machine tools required in repair work of naval vessels, twenty-five thousand dollars.

Puget Sound.

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NAVAL ACADEMY.

Midshipmen's
store fund
closed.

* * * * *

Provides, "The Secretary of the Treasury is hereby authorized and directed to close and balance as expended the sum of twenty-four thousand five hundred dollars now standing on the books of the Treasury under the appropriation 'Pay of the Navy,' which was advanced by direction of the Secretary of the Navy in eighteen hundred and sixty-seven and eighteen hundred and sixty-eight, and has heretofore been used as a midshipmen's store fund at the Naval Academy: *Provided*, That hereafter the storekeeper at the Naval Academy, authorized by section fifteen hundred and twenty-seven of the Revised Statutes, shall render quarterly returns of property to the Chief of the Bureau of Supplies and Accounts, under such regulations as the Secretary of the Navy may prescribe. A full report shall be made annually of receipts and expenditures by the Chief of the Bureau of Supplies and Accounts to the Secretary of the Navy: *And provided further*, That an inspection of the storekeeper's accounts shall be made quarterly by the general inspector of the Pay Corps, with such recommendation as he may deem necessary, to the Chief of the Bureau of Supplies and Accounts."

Inspection of
accounts.

Naval bands.

Naval bands or members thereof, other than the United States Naval Academy band at Annapolis, Maryland, shall not receive remuneration for furnishing music outside the limits of military posts, when the furnishing of such music places them in competition with local civilian musicians.

MARINE CORPS.

PAY, MARINE CORPS: * * *

Additional
officers and
men, pay of.

It is "*Provided*, That so much * * * as is needed to pay the additional officers of the Marine Corps provided for in this act shall be immediately available."

Pay of enlisted men, active list: * * *

It is "*Provided*, That so much * * * as is needed to pay the additional enlisted men of the Marine Corps provided for in this act shall be immediately available."

Marine
Corps, increase
of officers and
enlisted men.

That from and after the passage of this act, and in order to further increase the efficiency of the United States Marine Corps, the following additional officers, noncommissioned officers, drummers, trumpeters, and privates to those now provided by law for said corps are hereby authorized and directed, namely: One major-general commandant, in lieu of the present brigadier-general commandant; one colonel; one lieutenant-colonel;

two majors; eighteen captains; seven first lieutenants; fourteen second lieutenants; one assistant adjutant and inspector, with the rank of lieutenant-colonel; one assistant quartermaster, with the rank of lieutenant-colonel; one assistant quartermaster, with the rank of major; and three assistant quartermasters, with the rank of captain; one assistant paymaster, with the rank of major; one assistant paymaster, with the rank of captain; two sergeant-majors; fifteen quartermaster-sergeants, five of whom are to serve in the pay department; twenty first sergeants; fifty sergeants; one hundred and twenty-five corporals; ten drummers; ten trumpeters; and five hundred and eighteen privates: *Provided*, That hereafter the number of enlisted men in the United States Marine Corps shall be such as the Congress may from time to time authorize.

That the vacancies now existing in the line and staff departments of the United States Marine Corps and those created by this act shall be filled in the manner provided by law.

To meet the increase in pay of the Marine Corps provided in the act making appropriation for the support of the Army for the fiscal year ending June thirtieth, nineteen hundred and nine, and in section sixteen hundred and twelve of the Revised Statutes of the United States, for officers on the active list, officers on the retired list, enlisted men on the active list, and enlisted men on the retired list, eight hundred and two thousand seven hundred and fifty dollars and fifty-five cents is hereby appropriated: *Provided*, That so much of the foregoing appropriation as is needed to pay the increase for the remainder of the fiscal year ending June thirtieth, nineteen hundred and eight, shall be immediately available.

* * * * *

INCREASE OF THE NAVY.

That, for the purpose of further increasing the naval establishment of the United States, the President is hereby authorized to have constructed, two first-class battle ships to cost, exclusive of armor and armament, not exceeding six million dollars each, similar in all essential characteristics to the battle ship authorized by the act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and eight. At least one of such battle ships shall be built and constructed under the direction of the Secretary of the Navy at one of the navy-yards; the other of said battle ships may also be constructed at one of the navy-yards in the discretion of the Secretary of the Navy, or by contract as hereinafter provided.

Ten torpedo-boat destroyers, to have the highest practicable speed, and to cost, exclusive of armament, not to

exceed eight hundred thousand dollars each, to be built by contract, not more than three by any one contractor.

Two colliers.

Two fleet colliers, of fourteen knots trial speed, when carrying not less than twelve thousand five hundred tons of cargo and bunker coal. One of said colliers to be built in such government yard on the Pacific coast as the Secretary of the Navy shall direct. Cost not to exceed one million eight hundred thousand dollars each, and toward the construction of both, one million five hundred thousand dollars is hereby appropriated.

Three colliers, purchase of.

The Secretary of the Navy, in his discretion, is hereby authorized to purchase three new steam colliers of American registry, having a cargo carrying capacity of approximately seven thousand two hundred tons dead weight each, at a cost not exceeding five hundred and twenty-five thousand dollars each; and the sum of one million five hundred and seventy-five thousand dollars is hereby appropriated, out of any money in the Treasury not otherwise appropriated, for the purchase of the colliers above authorized.

Contract, award of.

And the contract for the construction of said vessels shall be awarded by the Secretary of the Navy to the lowest best responsible bidder, having in view the best results and most expeditious delivery; and in the construction of all of said vessels the provisions of the act of August third, eighteen hundred and eighty-six, entitled "An act to increase the naval establishment," as to materials for said vessels, their engines, boilers, and machinery, the contracts under which they are built, the notice of any proposals for the same; the plans, drawings, specifications therefor, and the method of executing said contracts shall be observed and followed, and, subject to the provisions of this act, all said vessels shall be built in compliance with the terms of said act, and in all their parts shall be of domestic manufacture; and the steel material shall be of domestic manufacture, and of the quality and characteristics best adapted to the various purposes for which it may be used, in accordance with specifications approved by the Secretary of the Navy.

Eight submarines.

For eight submarine torpedo boats, in an amount not exceeding in the aggregate three million five hundred thousand dollars, and the sum of three million dollars is hereby appropriated toward said purpose and for the completion of submarine boats heretofore authorized.

Construction and machinery.

CONSTRUCTION AND MACHINERY: On account of hulls and outfits of vessels and steam machinery of vessels heretofore authorized, nine million eight hundred and thirty-two thousand nine hundred and sixty-two dollars.

Armor and armament.

ARMOR AND ARMAMENT: Toward the armor and armament of domestic manufacture for vessels authorized, seven million dollars.

Toward the construction and machinery and armor and armament of the vessels herein authorized, seven

million dollars: *Provided*, That no part of this appropriation shall be expended for armor for vessels except upon contracts for such armor when awarded by the Secretary of the Navy to the lowest responsible bidders, having in view the best results and most expeditious delivery.

INCREASE OF THE NAVY, EQUIPMENT: Toward the completion of the equipment outfit of the new vessels authorized, four hundred thousand dollars.

Equipment.

Total increase of the Navy, thirty million three hundred and seven thousand nine hundred and sixty-two dollars.

That no part of any sum appropriated by this act shall be used for any expense of the Navy Department at Washington unless specific authority is given by law for such expenditure.

So much of the act entitled "An act making appropriations for the naval service for the fiscal year ending June thirtieth, eighteen hundred and ninety-nine, and for other purposes," approved May fourth, eighteen hundred and ninety-eight, as provides that monitors owned by the United States shall be named for the States, and shall not be named for any city, place, or person until the names of the States shall have been exhausted, is hereby repealed, and monitors now owned by the United States or hereafter built may be named as the President may direct.

Monitors
named for
States.

Approved, May 13, 1908.

SIXTIETH CONGRESS, SECOND SESSION—MARCH 3, 1909.

[PUBLIC—No. 308.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and ten, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

PAY OF THE NAVY.

Provides for "Pay of the Nurse Corps; rent of quarters for members of the Nurse Corps; prizes to be awarded to the engineer divisions of the ships in commission for general efficiency and for economy in coal consumption under such rules as the Secretary of the Navy may formulate, * * *"

Miscellaneous items.

The provisions of the act approved June twenty-ninth, nineteen hundred and six, entitled "An act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and seven, and for other purposes," providing for the retirement in the next higher grade of officers of the navy who served during the civil war, shall not operate to deprive any officer of the navy who has been, or may be, retired, since the passage of that act, of the right to increased rank and pay to which, but for the passage of said act, he would have been entitled.

Retirement.

The accounting officers of the Treasury are hereby authorized and directed to allow, in the settlement of accounts of disbursing officers involved, payments made to officers of the navy while on temporary leaves of absence since March third, eighteen hundred and ninety-nine, not involving detachment from duty, and not in excess of leaves of absence allowed by law to officers of the army without reduction in pay.

PAY, MISCELLANEOUS.

* * * * *

For "all advertising for the Navy Department and its bureaus (except advertising for recruits for the Bureau of Navigation); * * * *Provided*, That the sum to be paid out of this appropriation, under the direction of the Secretary of the Navy, for clerical, inspection, and messenger service in navy-yards, naval stations, and purchasing pay offices for the fiscal year ending June thirtieth, nineteen hundred and ten, shall not exceed two

Civil establishment and classified service.

hundred and forty-nine thousand and fifty-four dollars and twenty-five cents: *Provided further*, That hereafter the rates of pay of the clerical, drafting, inspection, and messenger force at navy-yards and naval stations and other stations and offices under the Navy Department shall be paid from lump appropriations and shall be fixed by the Secretary of the Navy on a per annum or per diem basis as he may elect; that the number may be increased or decreased at his option and shall be distributed at the various navy-yards and naval stations by the Secretary of the Navy to meet the needs of the naval service, and that such per diem employees may hereafter, in the discretion of the Secretary of the Navy, be granted leave of absence not to exceed fifteen days in any one year, which leave may, in exceptional and meritorious cases, where such an employee is ill, be extended, in the discretion of the Secretary of the Navy, not to exceed fifteen days additional in any one year; that the total amount expended annually for pay for such clerical, drafting, inspection, and messenger force shall not exceed the amounts specifically allowed by Congress under the several lump appropriations, and that the Secretary of the Navy shall each year, in the annual estimates, report to Congress the number of persons so employed, their duties, and the amount paid to each: *Provided further*, That it shall be the duty of the Secretary of the Navy to submit to Congress at its next session, and for its consideration, a schedule of rates of compensation, annual or per diem, that should, in his judgment, be permanently fixed by law for clerical, inspection, and messenger service in navy-yards, naval stations, and purchasing pay offices, superintending construction offices, and inspection of engineering material; and in fixing such rates of compensation he shall have due regard for the rates usually paid for like services in the respective localities by employers other than the United States, and he shall not recommend any rate exceeding that being paid by the United States at any such yards, stations, or offices prior to January first, nineteen hundred and nine: *Provided further*, That persons employed in the clerical, drafting, and inspection force at navy-yards and stations discharged for lack of work or insufficiency of funds shall for one year thereafter be preferred for employment in such navy-yards and stations in the clerical, drafting, inspection, and messenger forces; that section fifteen hundred and forty-five, Revised Statutes, and so much of section fifteen hundred and fifty-six of the Revised Statutes as relates to pay of clerks to commandants of navy-yards and naval stations, are hereby repealed; * * *

Rates of pay
to be fixed by
Secretary.

Leave.

Schedule of
rates of com-
pensation to be
submitted to
Congress.

BUREAU OF NAVIGATION.

* * * * *

It is "Provided, That the Secretary of the Navy is hereafter authorized to transport to their homes or places of enlistment, as he may designate, all discharged naval prisoners; the expense of such transportation shall be paid out of any money that may be to the credit of prisoners when discharged; where there is no such money, the expense shall be paid out of money received from fines and forfeitures imposed by naval courts-martial: *Provided further*, That the Secretary of the Navy is hereby authorized to furnish naval prisoners upon discharge suitable civilian clothing in case, and only where, said discharged prisoners would otherwise be unprovided with suitable clothing to meet their immediate needs."

Discharged naval prisoners, transportation of.

* * * * *

NAVAL TRAINING STATION, RHODE ISLAND: * * * *Provided*, * * * The * * * clerical, drafting, inspection, and messenger service for the fiscal year ending June thirtieth, nineteen hundred and ten, shall not exceed five thousand seven hundred and one dollars and sixty cents.

Classified service at naval training stations.

NAVAL TRAINING STATION, GREAT LAKES: * * * *Provided*, That the * * * clerical, drafting, inspection, and messenger service for the fiscal year ending June thirtieth, nineteen hundred and ten, shall not exceed forty-eight thousand one hundred and thirty-nine dollars and thirty-six cents; * * *.

Great Lakes.

NAVAL WAR COLLEGE, RHODE ISLAND: * * * *Provided*, That the * * * clerical, drafting, inspection, and messenger service for the fiscal year ending June thirtieth, nineteen hundred and ten, shall not exceed six thousand three hundred and seventy-five dollars and seventy-six cents; * * *.

War College.

BUREAU OF ORDNANCE.

ORDNANCE AND ORDNANCE STORES: * * * Provides "for pay of chemists, clerical, drafting, inspection, and messenger service in navy-yards, naval stations, and naval magazines: 'Provided, That the sum to be paid out of this appropriation under the direction of the Secretary of the Navy for chemists, clerical, drafting, inspection, watchmen, and messenger service in navy-yards, naval stations, and naval magazines for the fiscal year ending June thirtieth, nineteen hundred and ten, shall not exceed three hundred and ninety-eight thousand eight hundred and ninety dollars and twenty-eight cents.' * * *." *Provided*, That no part of this appropriation shall be expended for powder other than small-arms powder at a price in excess of sixty-four cents

Classified force, pay of.

Powder, limit of cost of.

a pound. All shells and projectiles shall conform to the standard prescribed by the Secretary of the Navy: *Provided*, That no part of any appropriation made in this act for the purchase of powder shall be paid to any trust or combination in restraint of trade nor to any corporation having a monopoly of the manufacture and supply of gunpowder in the United States, except in the event of extraordinary emergency.

Improvements to machinery.

* * * *Provided*, That no part of this appropriation shall be expended for powder other than small-arms powder at a price in excess of sixty-four cents a pound.

Philadelphia.

Machine tools, navy-yard, Philadelphia, Pennsylvania, nineteen thousand three hundred and ninety dollars.

Boston.

Machine tools, navy-yard, Boston, Massachusetts, nineteen thousand three hundred dollars.

Puget Sound.

Electric traveling crane for gun shed, navy-yard, Puget Sound, Washington, six thousand dollars.

Mare Island.

Air compressor with storage tank and pipe line, naval magazine, Mare Island, California, six thousand dollars.

Washington.

FOR NAVAL GUN FACTORY, WASHINGTON, DISTRICT OF COLUMBIA: New and improved machinery for existing shops, one hundred and fifty thousand dollars.

Remodeling one hundred and ten ton crane in north gun shop, thirty thousand dollars.

New eighty-ton crane over shrinkage pit, north gun shop, twenty-five thousand dollars.

New batteries.

NEW BATTERIES FOR SHIPS OF THE NAVY: For completing the work of modifying four-inch forty-caliber mounts, and five-inch forty-caliber mounts, and providing new sights for same, seventy-five thousand dollars.

For replacing eight-inch Mark V guns with eight-inch Mark VI guns on United States ship "Maryland" and class, two hundred and fifty-two thousand dollars.

For continuing the relining and conversion of twelve-inch Mark III guns to Mark IV guns, one hundred and fifty thousand dollars.

For new sights for five-inch, six-inch, and seven-inch guns and modifying their mounts, two hundred and forty-five thousand dollars.

For fire-control instruments for ships of the navy, one hundred and fifty thousand dollars.

Ammunition for ships. * * *

Powder, limit of cost of.

Provided, That no part of this appropriation shall be expended for powder other than small-arms powder at a price in excess of sixty-four cents a pound. * * *

Reserve guns, purchase of.

RESERVE GUNS FOR SHIPS OF THE NAVY: For the purchase and manufacture of reserve guns for ships of the navy, two hundred and fifty thousand dollars.

Modernising turrets.

MODERNIZING TURRETS: For new and improved gun elevating control for turret guns having electric elevating motors, two hundred and sixty thousand dollars.

Hand purchases for eight-inch turrets, twenty-eight thousand dollars.

TORPEDOES AND APPLIANCES: * * * *Provided,* That no part of this amount shall be expended for the purchase of torpedoes or appliances or rights pertaining thereto, where the rights to such torpedoes or appliances are the subject of legal controversy now pending.

Torpedoes and appliances.

* * * * *

New machinery and tools for torpedo factory, one hundred thousand dollars.

Torpedo station, Newport, E. I.

For experimental work in the development of armor-piercing projectiles, fuses, powders and high explosives, in connection with problems of the attack of armor with direct and inclined fire at various ranges, including the purchase of armor, powder, projectiles, and fuses for the above purposes, and of all necessary material and labor in connection therewith; and for other experimental work under the cognizance of the Bureau of Ordnance in connection with the development of ordnance material for the navy, one hundred thousand dollars.

Experimental work.

BUREAU OF EQUIPMENT.

EQUIPMENT OF VESSELS: * * * *Provided,* That the sum to be paid * * * for clerical, drafting, inspection, and messenger service at the several navy-yards, naval stations, and coaling stations for the fiscal year ending June thirtieth, nineteen hundred and ten, shall not exceed two hundred and twenty-six thousand one hundred and ninety-three dollars and sixty cents.

Classified force, pay of.

BUREAU OF YARDS AND DOCKS.

MAINTENANCE OF YARDS AND DOCKS: * * * *Provided,* That the sum to be paid * * * for clerical, inspection, drafting, messenger, and other classified work in the navy-yards and naval stations for the fiscal year ending June thirtieth, nineteen hundred and ten, shall not exceed four hundred and twenty-five thousand dollars.

Classified force, pay of.

PUBLIC WORKS, BUREAU OF YARDS AND DOCKS.

NAVY-YARD, PORTSMOUTH, NEW HAMPSHIRE: Rebuilding and fireproofing building numbered twenty, forty-three thousand five hundred dollars; electric capstan for quay wall, three thousand dollars; foundry building (to cost two hundred and fifty thousand dollars), fifty thousand dollars; in all, ninety-six thousand five hundred dollars.

Portsmouth.

NAVY-YARD, BOSTON, MASSACHUSETTS: Power plant, to complete, one hundred and forty-five thousand dollars; dredging, two thousand five hundred dollars; sewer sys-

Boston.

tem, extensions, two thousand five hundred dollars; improvements to water front, fifty thousand dollars; rope-walk fire protection, ten thousand dollars; in all, navy-yard, Boston, two hundred and ten thousand dollars.

New York. NAVY-YARD, NEW YORK, NEW YORK: Central power plant, to complete, one hundred and sixteen thousand dollars; granite and concrete dry dock, to continue, two hundred thousand dollars; toward improvement of water front facilities, seventy-six thousand three hundred and thirty dollars; in all, navy-yard, New York, New York, three hundred and ninety-two thousand three hundred and thirty dollars.

Philadelphia. NAVY-YARD, PHILADELPHIA, PENNSYLVANIA: Central power plant, to complete, one hundred and seventy-two thousand six hundred dollars; dredging, cost not to exceed four hundred and thirty thousand dollars, two hundred and fifteen thousand dollars; crane track, extensions, thirty thousand dollars; paving around piers, fifty thousand dollars; in all, navy-yard, Philadelphia, four hundred and sixty-seven thousand six hundred dollars.

Washington. NAVY-YARD, WASHINGTON, DISTRICT OF COLUMBIA: Improvements to storehouse for guns and mounts, seven thousand dollars; concrete roof for foundry buildings, fifteen thousand dollars; improvements to building one hundred and eighteen, three thousand dollars; improvements to building forty-one, twenty thousand dollars; fireproof storehouse for fuses, acids, and oils, fifteen thousand dollars; in all, sixty thousand dollars.

Norfolk. NAVY-YARD, NORFOLK, VIRGINIA: Railroad tracks, extensions, ten thousand dollars; electric plant, extensions, twenty thousand dollars; repairs, buildings, Saint Helena, twenty-five thousand dollars; dredging, to continue, fifty thousand dollars; compressed-air system, extensions, ten thousand dollars; improvements to water front, one hundred thousand dollars; locomotive crane, fifty thousand dollars; crane track, twenty thousand dollars; paving and grading, additional, fifteen thousand dollars; in all, navy-yard, Norfolk, Virginia, three hundred thousand dollars.

Charleston. NAVY-YARD, CHARLESTON, SOUTH CAROLINA: Paving and grading (to continue), twenty thousand dollars; underground conduit system, extension, five thousand dollars; intercepting drain, thirty thousand five hundred dollars; pneumatic system, extension, five thousand dollars; dredging, to continue, twenty-five thousand dollars; increasing and improving torpedo-boat slips, fifty thousand dollars; in all, navy-yard, Charleston, South Carolina, one hundred and thirty-five thousand five hundred dollars.

Pensacola. NAVY-YARD, PENSACOLA, FLORIDA: Remodeling building numbered twenty-nine, fifteen thousand dollars; to repair rifle range and wharf, five thousand dollars; in all, navy-yard, Pensacola, twenty thousand dollars.

NAVAL STATION, KEY WEST, FLORIDA: Latrines, five thousand dollars; concrete cistern, twenty-five thousand dollars; to complete marine railway, fifteen thousand dollars; in all, forty-five thousand dollars.

Key West.

NAVY-YARD, MARE ISLAND, CALIFORNIA: Central power plant at Mare Island Navy-Yard, California, to complete, two hundred and fifty-five thousand dollars; new elevators in buildings numbered sixty-nine and seventy-one, five thousand dollars; sewer system, extension, ten thousand dollars; repairs to building numbered one hundred and sixteen, three thousand five hundred dollars; crane track, extension, seventy-five thousand dollars; to continue improvement of channel, one hundred thousand dollars; ordnance storehouse, one hundred thousand dollars; improvements to building numbered sixty-nine, four thousand dollars; railroad system, extension, twenty thousand dollars; in all, navy-yard, Mare Island, five hundred and seventy-two thousand five hundred dollars.

Mare Island.

NAVY-YARD, PUGET SOUND, WASHINGTON: Stone and concrete dry dock, to continue (to cost two million dollars), four hundred thousand dollars; sewer system, extensions, eight thousand dollars; railroad and equipment, extensions, ten thousand dollars; general storehouse (to cost two hundred and sixty thousand dollars), one hundred thousand dollars; pier numbered eight, seventy-five thousand dollars; pattern shop, forty thousand dollars; two officers' quarters, eighteen thousand dollars; warrant officers' quarters, four thousand dollars; in all, navy-yard, Puget Sound, Washington, six hundred and fifty-five thousand dollars.

Puget Sound.

NAVAL STATION, ISLAND OF GUAM: Dredging, three thousand dollars; extension of naval-station roads, eleven thousand dollars; water-supply system, thirty thousand dollars; in all, forty-four thousand dollars.

Guam.

NAVAL STATION, PEARL HARBOR, HAWAII: Toward dredging an entrance channel of a depth of thirty-five feet, six hundred thousand dollars; toward construction of dry dock, to cost two million dollars, two hundred thousand dollars; toward yard development, one hundred thousand dollars; in all, nine hundred thousand dollars.

Pearl Harbor.

NAVAL STATION, CAVITE, PHILIPPINE ISLANDS: Improvements to building twenty-five, thirteen thousand five hundred dollars; improvements to building twenty-one, two thousand four hundred dollars; in all, fifteen thousand nine hundred dollars.

Cavite.

NAVAL STATION, TUTUILA: Two officers' quarters, three thousand five hundred dollars; preservation of grounds, two thousand dollars; in all, five thousand five hundred dollars.

Tutuala.

NAVAL STATION, NEW ORLEANS, LOUISIANA: Levee improvements and grading, forty-five thousand dollars; in all, forty-five thousand dollars.

New Orleans.

Plans for public works. PLANS AND SPECIFICATIONS FOR PUBLIC WORKS: Navy Department: Plans and estimates required by section thirty-six hundred and sixty-three, Revised Statutes, and plans and specifications for public works, thirty thousand dollars: *Provided*, That the pay of the clerical and drafting service for plans and specifications for public works, Bureau of Yards and Docks, shall be paid from this appropriation.

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Floating derricks. FLOATING DERRICKS: One one-hundred ton floating derrick, to complete, one hundred and fifty thousand dollars.

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PUBLIC WORKS UNDER THE SECRETARY OF THE NAVY.

Naval Academy. BUILDINGS AND GROUNDS, NAVAL ACADEMY: For the purchase of land for the extension of the present rifle range near Annapolis for the use of the midshipmen at the Naval Academy, seventy-five thousand dollars, or so much thereof as may be necessary.

Guam. BUILDINGS FOR LEPERS, ISLAND OF GUAM: Naval station, island of Guam: Maintenance and care of lepers and other special patients, fourteen thousand dollars; in all, fourteen thousand dollars.

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PUBLIC WORKS UNDER BUREAU OF NAVIGATION.

Improvements, naval training station, California. NAVAL TRAINING STATION, CALIFORNIA, BUILDINGS: Roads, grounds, and planting of trees, two thousand dollars; oiling parade grounds and roads adjacent, two thousand and fifty dollars; shacks for the detention camp, four thousand three hundred and seventy dollars; salt water flushing system, two thousand eight hundred and twenty-five dollars and fifty-two cents; dredging the north side of island, seven thousand two hundred dollars; in all, eighteen thousand four hundred and forty-five dollars and fifty-two cents.

Rhode Island. NAVAL TRAINING STATION, RHODE ISLAND, BUILDINGS: Improving and grading grounds and roads, one thousand nine hundred dollars; dredging channel and basin, two thousand eight hundred and sixteen dollars and seventy-two cents; increase of heating and lighting plant, to complete, fourteen thousand five hundred dollars; walks at detention barracks, two thousand dollars; water-closets, one thousand five hundred dollars; for bakery and cold-storage plant, to complete, twenty-three thousand five hundred dollars; repairs to Barracks "C," three thousand four hundred dollars; improvements in rifle galleries and ranges, one thousand five hundred and fifty dollars; paving and grading peninsula, four thousand five hundred dollars; enlarging boathouse, seven thousand four hundred and fifty dollars; improvements

to assembly, lecture, and reading room, thirteen thousand one hundred dollars; fire-alarm system, three thousand five hundred dollars; in all, naval training station, Rhode Island, seventy-nine thousand seven hundred and sixteen dollars and seventy-two cents.

NAVAL TRAINING STATION, GREAT LAKES, BUILDINGS: Roads, sidewalks, inner basin sea wall, entrance piers and dredging, arch bridge, wagon bridge to power house, walls and fences, garbage crematory, and grading, three hundred and fourteen thousand dollars; railroad scales, scale house, and spur, nine thousand two hundred dollars; electric fixtures, interior and exterior arcs, and incandescent lamps, thirty-three thousand five hundred dollars; cooking equipment, disinfecting equipment, and cold-storage installation, ten thousand dollars; fire apparatus, four thousand one hundred and fifty dollars; elevators and dumb waiter, six thousand four hundred and fifty dollars; storage balconies and trolleys in boat-house, eleven thousand five hundred dollars; tower clock, electric clocks, and wiring, one thousand six hundred dollars; furniture, filing apparatus, shelving, cupboards, fittings, lockers, and interior equipment for buildings, twenty-three thousand dollars.

Great Lakes.

In all, to complete naval training station, Great Lakes, four hundred and thirteen thousand four hundred dollars.

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PUBLIC WORKS, BUREAU OF ORDNANCE.

NAVAL PROVING GROUND, INDIAN HEAD, MARYLAND: Blacksmith and pipe shop, three thousand six hundred and twenty-five dollars; lime and cement shed, four thousand five hundred dollars; new emplacement, twelve-inch gun, two new steel circles and vamping ten-inch emplacement, sixteen thousand dollars; railroad extensions, eight thousand dollars; in all, naval proving ground, Indian Head, thirty-two thousand one hundred and twenty-five dollars.

Improvements, naval magazines, etc. Indian Head.

Naval magazine, Fort Mifflin, Pennsylvania: Storehouse and offices, with railroad track through center of building and continuation of railroad trestle to connect therewith, thirty thousand dollars; powder magazine, with railroad track connections, fifteen thousand dollars; in all, forty-five thousand dollars.

Fort Mifflin.

Naval magazine, Mare Island, California: One office building, including permanent furnishings and fixtures, eight thousand dollars; two filling houses, two thousand dollars; extension of sewerage system through magazine grounds, one thousand five hundred dollars; in all, eleven thousand five hundred dollars.

Mare Island.

Naval magazine, New York Harbor: For naval magazine, New York Harbor (Iona Island): One ammunition

Iona Island.

house, twenty thousand dollars; extension of sewerage system, five thousand dollars; condenser in boiler room of power house, three thousand dollars; in all, twenty-eight thousand dollars.

~~Puget Sound.~~ For naval magazine, navy-yard, Puget Sound, Washington: One gib crane on magazine wharf, one thousand dollars; telephone line from navy-yard to magazine, one thousand two hundred and fifty dollars; watchman's clock system at magazine, two thousand dollars.

In all, four thousand two hundred and fifty dollars.
Newport. Naval torpedo station, Newport, Rhode Island: New water main, two thousand three hundred dollars; converting one of powder factory buildings into brass foundry, five thousand three hundred dollars; repairing and extending wharves, eight thousand eight hundred dollars; new sewerage and drainage system, two thousand seven hundred dollars; coal shed and coal-handling apparatus, including elevated car tracks, elevator, fourteen thousand dollars; repairs to sea walls, six thousand four hundred dollars; in all, thirty-nine thousand five hundred dollars.

Lake Denmark. Naval magazine, Lake Denmark, New Jersey: One magazine, including necessary clearing, grading, railroad track, water mains, electric lights, hose houses, and watchmen's clocks, twelve thousand five hundred dollars. One high explosive house for storage of explosive "D," including necessary clearing, grading, railroad track, water mains, electric lights, hose houses, and watchmen's clocks, twelve thousand five hundred dollars. Extension of administration building to provide office for general storekeeper, for dispensary, and laboratory for testing powder, three thousand dollars.

In all, twenty-eight thousand dollars.
New England coast. NAVAL MAGAZINE, NEW ENGLAND COAST (HINGHAM, MASSACHUSETTS): Toward the erection of the necessary buildings on ground, the purchase of which is now under negotiation, as authorized by the act approved April twenty-seventh, nineteen hundred and four, for a new naval magazine on the New England coast; also toward inclosing said grounds, grading and filling in, building roads and walks, improvement of the water front, necessary wharves and cranes, railroad tracks and rolling stock for local service, fire and water service, and equipment of the establishment, one hundred thousand dollars.

In all, one hundred thousand dollars.
St. Juliens Creek. NAVAL MAGAZINE, SAINT JULIENS CREEK, VIRGINIA: Gravity blending house for smokeless powder, five thousand dollars; electrical apparatus for lighting magazine grounds, barracks, quarters, and offices; motor for running reforming plant; and a small lathe, eight thousand dollars.

In all, thirteen thousand dollars.

PUBLIC WORKS UNDER BUREAU OF EQUIPMENT.

NAVAL OBSERVATORY: Grounds and roads: Continuing Naval Ob-
servatory. grading, extending roads and paths, clearing and improv-
ing grounds, ten thousand dollars.

PUBLIC WORKS UNDER BUREAU OF SUPPLIES AND ACCOUNTS.

NAVAL TRAINING STATION, GREAT LAKES: BUILDING Great Lakes.
EQUIPMENT: To install cold-storage and refrigerating
plant and all necessary equipment, twelve thousand dol-
lars; to fit general storehouse with interior fittings, shelv-
ing, scales, and all office and other equipment, four thou-
sand dollars; in all, sixteen thousand dollars.

PUBLIC WORKS, MARINE CORPS.

Barracks and quarters, Marine Corps:

To extend the marine barracks, by the erection of a Improve-
ments, marine
barracks. wing thereto, at a cost not to exceed one hundred and
fifty thousand dollars, navy-yard, Philadelphia, Penn-
sylvania, one hundred and fifty thousand dollars.

To complete the quartermaster's depot, Philadelphia. Philadelphia,
Pennsylvania, and the purchase of ground adjoining such
depot, twenty-five thousand dollars.

Toward the completion of the marine garrison, naval Pearl Har-
bor. station, Pearl Harbor, Territory of Hawaii, one marine
barracks, one hundred and thirty-five thousand dollars;
and to complete six officers' quarters, fifty thousand dol-
lars; in all, one hundred and eighty-five thousand dollars.

For the purchase of land adjoining the navy-yard, Charleston.
Charleston, South Carolina, as a reservation for the Ma-
rine Corps, six thousand five hundred dollars; in all, six
thousand five hundred dollars.

To complete the marine garrison, navy-yard, Bremer- Bremerton.
ton, Washington, one marine barracks, one hundred and
fifty thousand dollars, and for officers' quarters, sixty
thousand dollars; in all, two hundred and ten thousand
dollars.

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BUREAU OF SUPPLIES AND ACCOUNTS.

PROVISIONS, NAVY: * * * for subsistence of female Subsistence
for nurses and
general courts-
martial prison-
ers commuted. nurses and Navy and Marine Corps general courts-mar-
tial prisoners undergoing imprisonment with sentences
of dishonorable discharge from the service at the expira-
tion of such confinement: *Provided*, That the Secretary
of the Navy is authorized to commute rations for such Prisoners,
rations for. general courts-martial prisoners in such amounts as seem
to him proper, which may vary in accordance with the
location of the naval prison, but which shall in no case
exceed thirty cents per diem for each ration so commuted;
labor in general storehouses and paymasters' offices in
navy-yards, including naval stations maintained in island
possessions under the control of the United States, and

expenses in handling stores purchased under the naval supply fund; and for the purchase of United States Army emergency rations, as required: * * * *Provided*, That hereafter such stores as the Secretary of the Navy may designate may be procured and sold to officers and enlisted men of the Navy and Marine Corps, also to civilian employees at naval stations beyond the continental limits of the United States and in Alaska, under such regulations as the Secretary of the Navy may prescribe: *Provided* * * * That the sum to be paid for chemists and for clerical, inspection, and messenger service in the general storehouses and paymasters' offices of the navy-yards and naval stations for the fiscal year ending June thirtieth, nineteen hundred and ten, shall not exceed four hundred and forty-seven thousand five hundred and forty-four dollars and eighty-eight cents.

Classified
force, pay of.

BUREAU OF CONSTRUCTION AND REPAIR.

CONSTRUCTION AND REPAIR OF VESSELS: * * *

Repairs to
vessels speci-
fied.

Provides: "The Secretary of the Navy is hereby authorized to make expenditures from appropriate funds under the various bureaus for repairs and changes on the vessels herein named, in an amount not to exceed the sum specified for each vessel, respectively, as follows: Maine (in addition to the two hundred thousand dollars authorized by the naval appropriation act approved May thirteenth, nineteen hundred and eight), five hundred and twenty thousand dollars; Missouri, five hundred and forty thousand dollars; Ohio, five hundred and forty thousand dollars; Wisconsin, three hundred and eighty thousand dollars; Chattanooga, two hundred and ten thousand dollars; Cleveland, two hundred and ten thousand dollars; Denver, two hundred and ten thousand dollars; Des Moines, two hundred and ten thousand dollars; Galveston, two hundred and ten thousand dollars; Tacoma, two hundred and ten thousand dollars; Concord, one hundred and fifty-two thousand dollars; Yorktown, one hundred and fifty-two thousand dollars; Elcano, thirty-five thousand dollars; Paragua, twenty thousand dollars; Quiros, thirty thousand five hundred dollars; Rodgers, forty-two thousand dollars; Rainbow, one hundred and forty thousand dollars; Supply, one hundred and thirty thousand dollars; Yankee, one hundred and ninety-five thousand dollars; Apache, twenty-one thousand five hundred dollars; Lincoln, six thousand dollars; in all, four million one hundred and sixty-four thousand dollars as per the letters of the Secretary of the Navy, House Documents Numbered Eleven hundred and fifty-two and Thirteen hundred and six, Sixtieth Congress, concerning repairs of certain naval vessels: *And provided further*, That hereafter it shall be the duty of the Secretary of the Navy to report to Congress at the beginning of each regular session thereof, in addition to the report directed to be made in the act of March sec-

Secretary to
report amounts
expended on
ships.

ond, nineteen hundred and seven, making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and eight, and for other purposes, a detailed statement showing the amount expended from each of the appropriations for the repair of every ship where such repairs exceed for any one ship the sum of two hundred thousand dollars in any one fiscal year: *Provided further*, That the sum to be paid out of this appropriation under the direction of the Secretary of the Navy, for clerical, drafting, inspection, and messenger service in navy-yards, naval stations, and offices of superintending naval constructors for the fiscal year ending June thirtieth, nineteen hundred and ten, shall not exceed eight hundred and eight thousand and thirty-nine dollars."

Statutory
limit.

Classified
force, pay of.

* * * * *

BUREAU OF STEAM ENGINEERING.

STEAM MACHINERY: * * *

Provides for "the machinery of the colliers Vestal and Prometheus, now under construction at the navy-yards, New York and Mare Island, respectively."

Vestal and
Prometheus.

* * * * *

Provided, That the sum to be paid out of this appropriation "Steam machinery," under the direction of the Secretary of the Navy, for clerical, drafting, inspection, and messenger service in navy-yards, naval stations, and offices of United States inspectors of machinery, and of engineering material, for the fiscal year ending June thirtieth, nineteen hundred and ten, shall not exceed three hundred and fifty thousand and sixty-three dollars and two cents.

* * * * *

Machinery plant, navy-yard, Portsmouth, New Hampshire: For additional heavy-power tools for new boiler and machine shops, thirty thousand dollars.

Machinery
plants, navy
yards.
Portsmouth.

Machinery plant, navy-yard, Boston, Massachusetts; For additional tools for foundry, machine, and copper-smith shops, five thousand dollars.

Boston.

Machinery plant, navy-yard, New York, New York: For additional machine tools for copper, boiler, machine, and pattern shops, and foundry, twenty-five thousand dollars.

New York.

Machinery plant, Philadelphia, Pennsylvania: For additional machine tools for machine and boiler shops, twenty-five thousand dollars.

Philadelphia.

Machinery plant, navy-yard, Norfolk, Virginia: For additional machine tools to equip machine, boiler, and coppersmith shops, twenty-five thousand dollars.

Norfolk.

Machinery plant, navy-yard, Mare Island, California: For additional new machine tools for machine and boiler shops and foundry, fifteen thousand dollars.

Mare Island.

- Puget Sound.** Machinery plant, navy-yard, Puget Sound, Washington: For additional new machine tools required in repair work of naval vessels, twenty-five thousand dollars.
- Cavite.** Machinery plant, naval station, Cavite, Philippine Islands: For additional new machine tools, required to facilitate repairs to naval vessels on Asiatic Station, fifteen thousand dollars.
- Experimental work.** Engineering experiment station, United States Naval Academy, Annapolis, Maryland—Experimental and research work: For original investigation and extended experimentation of naval appliances; and for the purchase of such machines and auxiliaries considered applicable for test and use in the naval service, seventeen thousand four hundred and eighty-eight dollars.
- Experiment station.** Buildings, engineering experiment station, United States Naval Academy, Annapolis, Maryland: Repairs to wooden bulkhead about experiment station building, one thousand two hundred dollars; extension of wooden bulkhead to surround the ship basin, seven thousand three hundred and seventy dollars; in all, eight thousand five hundred and seventy dollars.
- Machinists, promotion of, to chief.** The title of warrant machinist is hereby changed to machinist; and all machinists shall, after six years from date of warrant, be commissioned chief machinists, to rank with, but after, ensign, and shall, on promotion, have the same pay and allowances as are allowed chief boatswains, chief gunners, chief carpenters, and chief sailmakers, and no machinist shall be promoted until he shall have passed such examination before a board as the Secretary of the Navy may prescribe, and no warrant officer, heretofore or hereafter promoted six years from date of warrant, shall suffer a reduction in pay which, but for such promotion, would have been received by him: *Provided*, That chief boatswains, chief gunners, and chief machinists shall be eligible for appointment to the grade of ensign under the restrictions imposed by law upon the appointment of boatswains, gunners, and warrant machinists to that grade.
- Ensigns, appointment of from warrant officers.**

NAVAL ACADEMY.

* * * * *
Memorials.

The crypt and window spaces of the United States Naval Academy chapel are to be used only for memorials to United States naval officers who have successfully commanded a fleet or squadron in battle, or who have received or may receive the thanks of the Congress of the United States for conspicuously distinguished services in time of war, and no memorial shall be accepted for or installed in said crypt or window spaces until at least five years after the death of the officer in question: *Provided*, That nothing in this provision shall be considered as invalidating any agreement made by the present or any

former superintendent of the Naval Academy, authorizing a memorial window in the old Naval Academy chapel to be transferred to the new Naval Academy chapel.

MARINE CORPS.

PAY, MARINE CORPS: * * *: *Provided*, That no part of the appropriations herein made for the Marine Corps shall be expended for the purposes for which said appropriations are made unless officers and enlisted men shall serve as heretofore on board all battle ships and armored cruisers, and also upon such other vessels of the navy as the President may direct, in detachments of not less than eight per centum of the strength of the enlisted men of the navy on said vessels.

Marines to serve afloat.

* * * *Provided*, That hereafter the settlement of all traveling expense claims, where the payment of such is authorized by existing law, and the determination of distances and of what constitutes the shortest usually traveled route in the meaning of laws relating to traveling allowances, shall accord to such rules as the Secretary of the Navy may prescribe.

Mileage. Traveling expenses.

CONTINGENT, MARINE CORPS: * * * For * * *, packing and crating officers' allowance of baggage on change of station; * * *: *Provided*, That hereafter extra-duty pay will not be allowed to enlisted men of the Marine Corps except when they are regularly detailed thereon by a written order of the commandant of the corps.

Extra - duty pay.

INCREASE OF THE NAVY.

For the purpose of further increasing the naval establishment of the United States, the President is hereby authorized to have constructed two first-class battle ships to cost, exclusive of armor and armament, not exceeding six million dollars each, similar in all essential characteristics to the battle ship authorized by the act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and eight.

Two battle ships.

Five torpedo-boat destroyers, to have the highest practicable speed, and to cost, exclusive of armament, not to exceed eight hundred thousand dollars each.

Five torpedo-boat destroyers.

One fleet collier, of fourteen knots trial speed, when carrying not less than twelve thousand five hundred tons of cargo and bunker coal, to cost not exceeding nine hundred thousand dollars.

One collier.

And the contract for the construction of said vessels shall be awarded by the Secretary of the Navy to the lowest best responsible bidder, having in view the best

Contract, award of.

results and most expeditious delivery; and in the construction of all of said vessels the provisions of the act of August third, eighteen hundred and eighty-six, entitled "An act to increase the naval establishment," as to materials for said vessels, their engines, boilers, and machinery, the contracts under which they are built, the notice of any proposals for the same; the plans, drawings, specifications therefor, and the method of executing said contracts shall be observed and followed, and, subject to the provisions of this act, all said vessels shall be built in compliance with the terms of said act, and in all their parts shall be of domestic manufacture; and the steel material shall be of domestic manufacture, and of the quality and characteristics best adapted to the various purposes for which it may be used, in accordance with specifications approved by the Secretary of the Navy, provided contracts for furnishing the same in a reasonable time, at a reasonable price, and of the required quality can be made with responsible parties, and of the two first-class battle ships provided for in this act, not more than one shall be built by one contracting party.

Four subma-
rines.

For four submarine torpedo boats, in an amount not exceeding in the aggregate two million dollars, and the sum of three million dollars is hereby appropriated toward said purpose and for the completion of submarine boats heretofore authorized: *Provided*, That the Secretary of the Navy may build any or all of the vessels authorized in this act in such navy-yards as he may designate, and shall build any of the vessels herein authorized in such navy-yards as he may designate, should it reasonably appear that the persons, firms, or corporations, or the agents thereof, bidding for the construction of any of said vessels, have entered into any combination, agreement, or understanding, the effect, object, or purpose of which is to deprive the Government of fair, open, and unrestricted competition in letting contracts for the construction of any of said vessels.

One de-
stroyer.

The Secretary of the Navy is hereby authorized, in his discretion, to contract for or purchase one destroyer whose vitals are located below the normal load water line, such vessel to cost not to exceed four hundred thousand dollars and to have a speed not less than twenty-two knots; also two small vessels of similar construction having a speed of not less than sixteen knots and to cost not to exceed twenty-two thousand five hundred dollars each: *Provided*, That before any vessel provided for in this paragraph shall be purchased or contracted for a vessel of similar construction shall have been constructed complete and of full size for naval warfare and submitted to the Navy Department for such trial and tests as the Secretary of the Navy may, in his discretion, prescribe,

and as the result of such tests be demonstrated to have fulfilled all the reasonable requirements of naval warfare for such a vessel.

CONSTRUCTION AND MACHINERY: On account of hulls and outfits of vessels and steam machinery of vessels heretofore authorized, twenty-two million seven hundred and sixty-six thousand eight hundred and twenty-three dollars: *Provided*, That no part of the above appropriation shall be used for the payment of the construction of any collier the total cost of which shall exceed nine hundred thousand dollars.

Construction
and machinery

ARMOR AND ARMAMENT: Toward the armor and armament of domestic manufacture for vessels authorized, twelve million four hundred and fifty-two thousand seven hundred and seventy-two dollars: *Provided*, That no part of this appropriation shall be expended for armor for vessels except upon contracts for such armor when awarded by the Secretary of the Navy to the lowest responsible bidders, having in view the best results and most expeditious delivery: *Provided also*, That contracts for furnishing said armor in a reasonable time, at a reasonable price, and of the required quality can be made with responsible parties.

Armor and
armament.

INCREASE OF THE NAVY, EQUIPMENT: Toward the completion of the equipment outfit of the new vessels authorized, six hundred thousand dollars.

Equipment.

Total increase of the navy, thirty-eight million eight hundred and nineteen thousand five hundred and ninety-five dollars.

Provided, That no part of any sum hereby appropriated under "Increase of the navy" shall be used for the payment of any clerical, drafting, inspection, and messenger service, or for pay of any of the other classified force, under the various bureaus of the Navy Department in Washington, District of Columbia.

Classified
service.

That no part of any sum appropriated by this act shall be used for any expense of the Navy Department at Washington unless specific authority is given by law for such expenditure, except that draftsmen and other technical employees heretofore paid from "Public works" and "Increase of the navy" and employed in the Navy Department at Washington may be continued in employment in the Navy Department at Washington and paid from appropriations "Maintenance," "Construction and repair," "Steam machinery," "Ordnance and ordnance stores," and "Equipment of vessels," respectively.

Approved, March 3, 1909.

SIXTY-FIRST CONGRESS, SECOND SESSION—JUNE 24, 1910.

[PUBLIC—No. 261.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and eleven, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

PAY OF THE NAVY.

* * * * *

The provision of the act approved May thirteenth, nineteen hundred and eight, entitled "An act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and nine," relating to the pay of paymasters' clerks, is hereby amended so as to read as follows:

"All paymasters' clerks shall, while holding appointment in accordance with law, receive the same pay and allowances and have the same rights of retirement as warrant officers of like length of service in the navy."

Paymasters' clerks, pay and retirement of.

The Secretary of the Navy is authorized, in his discretion, to allow members of the Nurse Corps (female) of the navy fifteen dollars per month in lieu of quarters when government quarters are not available, and that the accounting officers of the Treasury are hereby authorized and directed to allow in the accounts of disbursing officers of the navy all payments heretofore made by them in accordance with orders of the Secretary of the Navy for commutation of quarters to members of the Nurse Corps (female) of the navy at the rate herein specified.

Nurse corps, commutation of quarters for.

* * * * *

CONTINGENT, NAVY: * * * *Provided further*, That thirty thousand dollars, or so much thereof as may be necessary of this appropriation, shall be used for the hire of expert accountants for establishing accounting and cost of work offices at navy-yards and stations according to the plan and methods established at the Boston Navy-Yard: *Provided further*, That in fixing the cost of work under the various naval appropriations, the direct and indirect charges incident thereto shall be included in such cost: *And provided further*, That the Bureau of Supplies and Accounts shall keep the money accounts of the naval establishment in such manner as to show such charges and shall report the same annually for the information of Congress, and for no other purposes.

Accounting system, establishment of.

Cost of work, indirect expense incident to.

Damages from collisions, claims for.

The Secretary of the Navy is hereby authorized to consider, ascertain, adjust and determine the amounts due on all claims for damages, where the amount of the claim does not exceed the sum of five hundred dollars, hereafter occasioned by collision, for which collisions vessels of the navy shall be found to be responsible, and report the amounts so ascertained and determined to be due the claimants to Congress at each session thereof through the Treasury Department for payment as legal claims out of appropriations that may be made by Congress therefor.

Chiefs of bureaus, compensation of and retirement of.

The pay and allowances of chiefs of bureaus of the Navy Department shall be the highest shore-duty pay and allowances of the rear-admiral of the lower nine; and all officers of the navy who are now serving or shall hereafter serve as chief of bureau in the Navy Department and are eligible for retirement after thirty years' service, shall have, while on the active list, the rank, title, and emoluments of a chief of bureau, in the same manner as is already provided by statute law for such officers upon retirement by reason of age or length of service, and such officers, after thirty years' service, shall be entitled to and shall receive new commissions in accordance with the rank and title hereby conferred.

BUREAU OF NAVIGATION.

Enlistment, ages for.

Recruiting: * * * except in cases where * * * certificate is unobtainable, enlistment may be made when the recruiting officer is convinced that oath of applicant as to age is credible; but when it is afterwards found upon evidence satisfactory to the Navy Department that recruit has sworn falsely as to age, and is under eighteen years of age at the time of enlistment, he shall, upon request of either parent, be released from service in the navy, upon payment of full cost of first outfit, unless, in any given case, the Secretary, in his discretion, shall relieve said recruit of such payment.

Prizes, steaming exercises.

Steaming exercises: Prizes, trophies, and badges for excellence in steaming exercises to be awarded to the ships in commission for general efficiency and for economy in coal consumption, under such rules as the Secretary of the Navy may formulate; and for the purpose of classifying, compiling, and publishing the results of the competition, ten thousand dollars.

Beneficiaries, payments to.

Supplemental, Naval Home: To pay beneficiaries for extra duties performed by them at the home from March first to June thirtieth, nineteen hundred and six, in established ratings, one thousand two hundred and five dollars and sixty-six cents; to pay the following-named men for

services rendered to the home during the second half of March, nineteen hundred and six: John T. Foley, mechanic, fourteen days, at four dollars per diem, fifty-six dollars; Joseph S. Trainer, carpenter, fourteen days, at two dollars and eighty cents per diem, thirty-nine dollars and twenty cents; Alonzo Hersh, plasterer, five days, at two dollars and eighty cents per diem, fourteen dollars; Frank W. Mohler, store laborer, one-half month, at forty dollars per month, twenty dollars.

* * * * *

BUREAU OF ORDNANCE.

* * * * *

NEW BATTERIES FOR SHIPS OF THE NAVY: For new sights for five-inch, six-inch, and seven-inch guns and modifying their mounts, two hundred and forty-five thousand dollars. New batteries.

For lining and hooping to the muzzle eight-inch Mark V guns, sixty thousand dollars.

* * * * *

MODERNIZING TURRETS OF SHIPS OF THE NAVY: For range dials, azimuth drums, new range, time of flight and azimuth scales for all turret pointer's sights of all turret vessels previous to the Michigan class, but excluding the Amphitrite, Miantonomoh, Puritan, Terror, and Texas, sixty-four thousand dollars. Modernizing turrets.

For equipments for turret ammunition hoists and ramers to increase the rapidity, safety, and reliability of the ammunition supply and to increase the efficiency and rapidity of loading the guns of all turret vessels authorized previous to the Michigan class, but excluding the Amphitrite, Miantonomoh, Puritan, Terror, and Texas, five hundred thousand dollars.

* * * * *

SMALL ARMS AND MACHINE GUNS: For new rifles and machine guns for ships, two hundred and fifty thousand dollars. Rifles and machine guns.

Remodeling torpedoes, one hundred and fifty thousand dollars. Remodeling torpedoes.

* * * * *

MINES AND MINE APPLIANCES: For naval-defense mines, appliances, and accessories for mine ships, one hundred thousand dollars. Mines.

TORPEDO STATION, NEWPORT, RHODE ISLAND: * * * For high-pressure air plant, including air compressors and air storage, ten thousand dollars. High-pressure air plant.

EXPERIMENTS, BUREAU OF ORDNANCE: * * * *Provided*, That no part of this appropriation shall be expended in experiments unless, in the development of armor-piercing projectiles and high explosives, an attack Armor-piercing projectiles.

on heavy turret armor and heavy belt armor is made by armor-piercing projectiles at a battle range not less than eight thousand yards and by explosive gelatine in quantity not less than two hundred pounds exploded against the heavy belt armor and heavy turret armor of an actual vessel.

* * * * *

BUREAU OF EQUIPMENT.

EQUIPMENT OF VESSELS: * * *

Naval equip-
ment, loan of,
to military
schools.

That the act entitled "An act to authorize the Secretary of the Navy to loan naval equipment to certain military schools," approved March third, nineteen hundred and one, be amended by striking out the words "one hundred and forty cadets" and inserting in lieu thereof the words "seventy-five cadets over fifteen years of age."

Water

COAL AND TRANSPORTATION: * * * For water for all purposes on board naval vessels, including the expenses of transportation and storage of the same, * * *

Bureau of
Equipment,
distribution of
duties.

DISTRIBUTION OF DUTIES: The duties assigned by law to the Bureau of Equipment shall be distributed among the other bureaus and offices of the Navy Department in such manner as the Secretary of the Navy shall consider expedient and proper during the fiscal year ending June thirtieth, nineteen hundred and eleven, and the Secretary of the Navy, with the approval of the President, is hereby authorized and directed to assign and transfer to said other bureaus and offices, respectively, all available funds heretofore and hereby appropriated for the Bureau of Equipment and such civil employees of the bureau as are authorized by law, and when such distribution of duties, funds, and employees shall have been completed, the Bureau of Equipment shall be discontinued as hereinbefore provided: *Provided*, That nothing herein shall be so construed as to authorize the expenditure of any appropriation for purposes other than those specifically provided by the terms of the appropriations, or the submission of estimates for the naval establishment for the fiscal year nineteen hundred and twelve, except in accordance with the order and arrangement of the naval appropriation act for the year nineteen hundred and ten: *Provided further*, That the Secretary of the Navy shall report to Congress at the beginning of its next ensuing session the distribution of the duties of the Bureau of Equipment made by him under the authorization herein granted, with full statement in relation to said distribution and the performance of navy-yard work therein involved: *And provided further*, That line officers may be detailed for duty under staff officers in the manufacturing and repair departments of the navy-yards and naval stations, and all laws or parts of laws in conflict herewith are hereby repealed.

* * * * *

PUBLIC WORKS, BUREAU OF YARDS AND DOCKS.

NAVY-YARD, PORTSMOUTH, NEW HAMPSHIRE: Quay wall, to continue, forty-eight thousand two hundred and fifty dollars. Portsmouth.

To repair the old highway bridge connecting the navy-yard with the mainland, seven thousand dollars, or so much thereof as may be necessary.

NAVY-YARD, BOSTON, MASSACHUSETTS: Dredging, five thousand dollars; improvements to water front, sixty-five thousand dollars; improvements to yard buildings, fifteen thousand dollars; railroad extension, ten thousand dollars; paving and grading, ten thousand dollars; in all, navy-yard, Boston, one hundred and five thousand dollars. Boston.

NAVY-YARD, NEW YORK, NEW YORK: Dry dock numbered four (limit of cost is hereby increased to two million five hundred thousand dollars), to continue, five hundred thousand dollars; improvement of water front, two hundred and fifteen thousand dollars; to complete cement shed, one thousand dollars; in all, navy-yard, New York, New York, seven hundred and sixteen thousand dollars. New York.

NAVY-YARD, PHILADELPHIA, PENNSYLVANIA: Dredging, to complete, two hundred and fifty thousand dollars; in all, navy-yard, Philadelphia, two hundred and fifteen thousand dollars. Philadelphia.

NAVY-YARD, WASHINGTON, DISTRICT OF COLUMBIA: Dredging, ten thousand dollars. Washington, D. C.

The Secretary of the Navy is hereby authorized and directed to enter into an agreement with the Philadelphia, Baltimore and Washington Railroad Company, for the construction, maintenance and operation, by and at the sole expense of said company, of a sufficient and satisfactory track connection, with such turn-outs and sidings as may be deemed necessary or convenient, to be established and operated from a point on the main running tracks of said Philadelphia, Baltimore and Washington Railroad Company at or in the general vicinity of square south of square one thousand and eighty in the District of Columbia and extending generally along the water front of the Anacostia River at such distance north of the present north bulkhead line of said river as the Commissioners of the District of Columbia may indicate and approve, to a connection with the track system of the United States navy-yard, at or in the vicinity of the east line of Ninth Street, southeast, as said system is now or may be hereafter established: *Provided*, That such track connection, so far as the same may project or extend beyond the right of way or property now owned or occupied by said railroad company, shall be constructed wholly upon a suitable and satisfactory right of way to be provided for such purposes by the United States, the Railroad track connection.

title to which shall at all times remain in the United States: *Provided further*, That, so far as may be consistent with the public interests, said track connection with its appurtenant turn-outs and sidings shall be located and constructed in, upon, over and through public grounds, space and streets of the United States, as the same are now, or may be hereafter, ascertained and established.

Upon the execution of the agreement above provided for, the Secretary of the Navy is hereby authorized and directed to acquire any part of the land or property necessary for yardage or right of way, by purchase or condemnation, and to construct the connections, side-tracks, turn-outs and switches necessary to the proper operation of the yard system in connection with said branch track, and for such purpose the sum of one hundred and thirty-six thousand dollars, or so much thereof as may be necessary, is hereby appropriated out of any money in the Treasury of the United States not otherwise appropriated.

The work of constructing the track connection between the points above specified shall be begun by the Philadelphia, Baltimore and Washington Railroad Company within two months after the right of way necessary therefor shall have been acquired and provided, and the track connection shall be completed and put in operation within fifteen months from the beginning of its construction, provided that said Philadelphia, Baltimore and Washington Railroad Company shall not be required to expend in the construction of said track connection any sum in excess of ninety-two thousand five hundred dollars, being the present estimated cost of such construction.

Pending the completion of the track connection above provided for, the Philadelphia, Baltimore and Washington Railroad Company is hereby authorized to maintain its track connection with the United States navy-yard as at present existing, and to continue the operation thereof under such rules and regulations as may be established by the Commissioners of the District of Columbia for the governance thereof, provided that within thirty days after the completion of the new track connection with the United States navy-yard, hereinbefore authorized and provided for, said Philadelphia, Baltimore and Washington Railroad Company shall, at its own expense, remove said existing track connection and restore and make the surface of the streets over and through which the same is laid satisfactory to the Commissioners of the District of Columbia: *Provided further*, That Congress reserves the right to alter, amend, or repeal this act.

Norfolk.

NAVY-YARD, NORFOLK, VIRGINIA: Railroad tracks, extensions, ten thousand dollars; electric-light plant, extensions, twenty-five thousand dollars; repairs, buildings,

Saint Helena, twenty-five thousand dollars; dredging, to continue, twenty-five thousand dollars; compressed-air system, extensions, ten thousand dollars; improvements to water front, one hundred thousand dollars; to enlarge dry dock numbered three, five hundred and fifty thousand dollars; crane track around dry dock numbered three, to continue, twenty thousand dollars; paving and grading, thirty thousand dollars; power plant, coal storage, twenty-five thousand dollars; electric motors for pumping plants, dry docks one and two, thirty-five thousand dollars; water-closets and lavatories in yard shops, twenty-five thousand dollars; heating system, extension, fifteen thousand dollars; in all, navy-yard, Norfolk, Virginia, eight hundred and ninety-five thousand dollars.

NAVY-YARD, PENSACOLA, FLORIDA: For elevator for building numbered one (to complete), two thousand dollars.

Pensacola.

NAVAL STATION, NEW ORLEANS, LOUISIANA: For power house and plant, sixty-four thousand six hundred and seventy-seven dollars and seventy-one cents, previously appropriated and erroneously transferred to the appropriation "Consolidation of power plants."

New Orleans.

NAVY-YARD, MARE ISLAND, CALIFORNIA: To continue improvement of channel, one hundred thousand dollars; in all, navy-yard, Mare Island, one hundred thousand dollars.

Mare Island.

For purchase of a shed belonging to the dry dock contractors, navy-yard, Mare Island, California, two thousand dollars.

NAVY-YARD, PUGET SOUND, WASHINGTON: Dry dock (limit of cost is hereby increased to two million three hundred thousand dollars), to continue, six hundred thousand dollars; storehouse, to complete, one hundred and sixty thousand dollars; foundry, to complete, one hundred and twenty-five thousand dollars; in all, navy-yard, Puget Sound, Washington, eight hundred and eighty-five thousand dollars.

Puget Sound.

NAVAL STATION, PEARL HARBOR, HAWAII: Dredging, one million five hundred thousand dollars; dry dock (limit of cost is hereby increased to two million seven hundred thousand dollars), to continue, one million dollars; in all, two million five hundred thousand dollars.

Pearl Harbor.

The Secretary of the Navy is hereby authorized to utilize toward yard development of the naval station, Pearl Harbor, Hawaii, the sum of thirty-five thousand dollars appropriated by the act of June twenty-ninth, nineteen hundred and six, for the reclamation of that portion of the naval station, Honolulu, Hawaii, known as "The Reef."

FLOATING CRANE: One one-hundred-ton floating crane (to cost not exceeding two hundred and fifty thousand dollars), one hundred and twenty-five thousand dollars, for use at Pearl Harbor, Hawaii.

* * * * *

PUBLIC WORKS UNDER THE SECRETARY OF THE NAVY.

Naval Academy. BUILDINGS AND GROUNDS, NAVAL ACADEMY: For one wooden pier with creosoted piles, forty thousand dollars.

For transfer of power plant from temporary location to new building; provide new equipment when necessary; connect heating, lighting, and other mains to new power house; complete grading about building; repair coal-handling apparatus, one hundred and eight thousand two hundred dollars.

Guam. BUILDINGS FOR LEPERS, ISLAND OF GUAM: Naval station, island of Guam: Maintenance and care of lepers and other special patients, fourteen thousand dollars; in all, fourteen thousand dollars.

Naval trial course. For the purchase of land in the vicinity of the naval trial course, Monroe Island, Penobscot Bay, Maine, for the establishment of permanent signals to mark each end of the measured course, three thousand four hundred dollars.

Total public works under Secretary's office, one hundred and sixty-five thousand six hundred dollars.

PUBLIC WORKS UNDER BUREAU OF NAVIGATION.

Improvements, naval training station, Rhode Island. NAVAL TRAINING STATION, RHODE ISLAND, BUILDINGS: Repairs to Barracks "C," to continue, two thousand dollars; repairs to Barracks "B," five thousand dollars; underground conduit system, to continue, nine thousand three hundred dollars; in all, naval training station, Rhode Island, sixteen thousand three hundred dollars.

In all, public works, Bureau of Navigation, sixteen thousand three hundred dollars.

PUBLIC WORKS, BUREAU OF ORDNANCE.

Improvements, naval magazines, Indian Head. NAVAL PROVING GROUND, INDIAN HEAD, MARYLAND: One additional emplacement for new Mark twelve-inch or fourteen-inch guns, ten thousand dollars; in all, naval proving ground, Indian Head, ten thousand dollars.

Fort Mifflin. Naval magazine, Fort Mifflin, Pennsylvania: Electric connection to navy-yard, Philadelphia, Pennsylvania, with transformer, street lamps, connections to buildings, and wiring quarters for electric lights, eight thousand five hundred dollars.

Mare Island. Naval magazine, Mare Island, California: Salt-water system for fire protection, eight thousand dollars; lighting rods for all buildings not equipped with same, six hundred dollars; in all, eight thousand six hundred dollars.

Puget Sound. For naval magazine, navy-yard, Puget Sound, Washington: One magazine building, seven thousand dollars; one filling house, one thousand one hundred dollars; one small arms ammunition house, seven thousand dollars;

one latrine for workmen, five hundred dollars; fire-protection system, to include installation of sprinkling system in buildings already constructed and under construction, three thousand dollars; sewerage system for all inhabited buildings and for workmen's latrine, three thousand dollars; in all, twenty-one thousand six hundred dollars.

Naval torpedo station, Newport, Rhode Island: One general storehouse for the stowage of materials for manufacturing purposes and uses of the station, fifty thousand dollars; three latrines, two thousand one hundred dollars; electric conduits, wires and fittings, for lighting, telephone, and watchmen clock systems of the station, cable to Rose Island and extra cable to Newport, five thousand dollars; in all, fifty-seven thousand one hundred dollars.

Improvements, torpedo station, Newport.

PACIFIC COAST TORPEDO STATION: For torpedo station, near Pacific coast of the United States: For the purchase of land for a torpedo station near the Pacific coast of the United States; and toward the clearing and grading of the land; protection to water front; wharf; firing and observation stations; with all necessary buildings and equipment for the station; and the employment of such clerical and expert assistance as may be required for the prosecution of the work, one hundred and forty-five thousand dollars.

Establishment of torpedo station, Pacific coast.

NAVAL MAGAZINE, OLONGAPO, PHILIPPINE ISLANDS: For naval magazine, Olongapo, Philippine Islands: One storehouse, one magazine, and one fuse house, eight thousand eight hundred dollars.

Naval magazine, Olongapo.

Total public works, under Bureau of Ordnance, two hundred and fifty-nine thousand six hundred dollars.

PUBLIC WORKS UNDER BUREAU OF EQUIPMENT.

NAVAL OBSERVATORY: Grounds and roads: Continuing grading, extending roads and paths, clearing and improving grounds, ten thousand dollars.

Naval Observatory.

PUBLIC WORKS UNDER BUREAU OF MEDICINE AND SURGERY.

NAVAL HOSPITAL, GREAT LAKES: For the completion of naval hospital buildings, to cost not to exceed two hundred and fifty thousand dollars, as authorized by the act of Congress approved May thirteenth, nineteen hundred and eight, one hundred and fifty thousand dollars.

Naval hospital, Great Lakes.

Total public works under Bureau of Medicine and Surgery, one hundred and fifty thousand dollars.

PUBLIC WORKS, MARINE CORPS.

Barracks and quarters, Marine Corps:

For the extension of marine officers' quarters and the improvement of ground, navy-yard, Philadelphia, Pennsylvania, seventy thousand dollars.

Barracks and quarters, improvements to Philadelphia.

Norfolk.

For the extension of marine officers' quarters, navy-yard, Norfolk, Virginia, forty-seven thousand five hundred dollars.

In all, public works, Marine Corps, one hundred and seventeen thousand five hundred dollars: *Provided*, That no part of said sum shall be expended for the construction of quarters for marine officers the total cost of which, exclusive of cost of piling and including the heating and plumbing apparatus, wiring, and fixtures, shall exceed in the case of quarters of a general officer the sum of fifteen thousand dollars; of a colonel or an officer above the rank of captain, twelve thousand dollars; and of an officer of and below the rank of captain, nine thousand dollars.

* * * * *

BUREAU OF SUPPLIES AND ACCOUNTS.

Ships' stores,
profit on sales
from.

PROVISIONS, NAVY: * * * *Provided*, That hereafter a profit not to exceed fifteen per centum may be charged on sales from ships' stores, such profit to be expended in the discretion of the Secretary of the Navy, under such regulations as he may prescribe, for the amusement, comfort, and contentment of the enlisted force, and to be accounted for to the Bureau of Supplies and Accounts, Navy Department: * * *

BUREAU OF CONSTRUCTION AND REPAIR.

Repairs to
ships (named).

CONSTRUCTION AND REPAIR OF VESSELS: * * * And the Secretary of the Navy is hereby authorized to make expenditures from appropriate funds under the various bureaus for repairs and changes on the vessels herein named, in an amount not to exceed the sum specified for each vessel, respectively, as follows: New Jersey, eight hundred and ten thousand dollars; Rhode Island, eight hundred and ten thousand dollars; Brooklyn (additional to four hundred and fifty-three thousand five hundred dollars, authorized by the appropriation act approved May thirteenth, nineteen hundred and eight), seventy thousand dollars; Colorado, six hundred and eighty thousand dollars; Maryland, six hundred and thirty thousand dollars; Pennsylvania, six hundred and eighty thousand dollars; West Virginia, six hundred and thirty thousand dollars; Boston, two hundred and fifty-six thousand dollars; Charleston, five hundred and forty thousand dollars; San Francisco (additional to six hundred thousand two hundred and fifty dollars, authorized by the appropriation act approved May thirteenth, nineteen hundred and eight), forty thousand dollars; Detroit, three hundred and fifty-one thousand dollars; Iris, two hundred and five thousand dollars; Annapolis, one hundred and one thousand dollars; Arayat, thirty-four thousand five hundred dollars; Iroquois, fifty-one thousand five hun-

dred dollars; Potomac, forty-one thousand five hundred dollars; Sebago, twenty-eight thousand five hundred dollars; Waban, twenty-seven thousand five hundred dollars; Nero, one hundred and five thousand dollars; Ingalls, one hundred and sixty-five thousand dollars; Essex, sixty thousand dollars; Gopher, twenty-eight thousand dollars; in all, six million three hundred and forty-four thousand five hundred dollars, as per the letter of the Secretary of the Navy, contained in House Document Numbered Four hundred and seventy-one, Sixty-first Congress, second session, concerning repairs to certain naval vessels: * * *.

BUREAU OF STEAM ENGINEERING.

STEAM MACHINERY: * * *.

Provides "For pay of classified force under the bureau, * * *."

So much of the appropriation made by the naval appropriation act approved March third, nineteen hundred and three, for the complete equipment of the buildings at the engineering experiment station, United States Naval Academy, Annapolis, Maryland, as has been carried to the surplus fund and covered into the Treasury pursuant to section ten of the sundry civil appropriation act approved March fourth, nineteen hundred and nine, is hereby reappropriated for the equipment of said building.

Experiment station, Annapolis.

Buildings, engineering experiment station, United States Naval Academy, Annapolis, Maryland: Dredging in basin and coal dock, five thousand dollars.

Basin and coal dock.

NAVAL ACADEMY.

PAY OF PROFESSORS AND OTHERS, NAVAL ACADEMY: One professor as head of the department of physics, three thousand six hundred dollars.

Organization and pay of professors and instructors, classified service.

One professor of mathematics, one of mechanical drawing, one of English, one of French, and one of Spanish, at three thousand dollars each.

Three professors, namely, one of English, one of French, and one of Spanish, at two thousand six hundred and forty dollars each.

Five instructors, at two thousand four hundred dollars each.

Four instructors, at two thousand one hundred and sixty dollars each.

Ten instructors, at one thousand eight hundred dollars each.

One swordmaster, one thousand five hundred dollars; one assistant, one thousand two hundred dollars; and two assistants, at one thousand dollars each, four thousand seven hundred dollars; two instructors in physical train-

ing, at one thousand five hundred dollars each, and one assistant instructor in physical training, at one thousand dollars; and one instructor in gymnastics, one thousand two hundred dollars, five thousand two hundred dollars; one assistant librarian, two thousand one hundred and sixty dollars; one cataloguer, one thousand one hundred dollars; and two shelf assistants, at nine hundred dollars each, five thousand and sixty dollars; one secretary of the Naval Academy, one thousand eight hundred dollars; one clerk, one thousand four hundred and forty dollars; five clerks, at one thousand two hundred dollars each; four clerks, at one thousand dollars each; four clerks, at nine hundred dollars each; and two writers, at seven hundred and twenty dollars each; eighteen thousand two hundred and eighty dollars; one draftsman, one thousand two hundred dollars, and one surveyor, one thousand two hundred dollars, two thousand four hundred dollars; one dentist, two thousand five hundred and twenty dollars; and services of organist at chapel, three hundred dollars; one captain of the watch, nine hundred and twenty-four dollars; one second captain of the watch, eight hundred and twenty-eight dollars; and twenty-two watchmen, at seven hundred and thirty-two dollars each, seventeen thousand eight hundred and fifty-six dollars.

DEPARTMENT OF ORDNANCE AND GUNNERY: One mechanic, nine hundred and sixty dollars, and one at seven hundred and fifty dollars; one armorer, six hundred and sixty dollars; one chief gunner's mate, five hundred and forty dollars; and three quarter gunners, at four hundred and eighty dollars each, four thousand three hundred and fifty dollars.

DEPARTMENTS OF ELECTRICAL ENGINEERING AND PHYSICS: Two electrical machinists, at one thousand dollars each; one mechanic, seven hundred and thirty dollars; and one at seven hundred and twenty dollars, three thousand four hundred and fifty dollars.

DEPARTMENT OF SEAMANSHIP: One coxswain, four hundred and eighty dollars; three seamen, at four hundred and twenty dollars each, one thousand seven hundred and forty dollars.

DEPARTMENT OF MARINE ENGINEERING AND NAVAL CONSTRUCTION: One master machinist, one thousand eight hundred dollars, and one assistant, one thousand two hundred dollars; one pattern maker, one thousand two hundred dollars; one boiler maker, one blacksmith, three machinists, one molder, and one coppersmith, at one thousand and eighty dollars each; and for draftsman, two thousand dollars; machinists, and other employees, six thousand seven hundred and sixty-eight dollars, twenty thousand five hundred and twenty-eight dollars.

COMMISSARY DEPARTMENT: One chief cook, one thousand two hundred dollars; four cooks, at six hundred dollars each, and eight assistants, at three hundred dol-

lars each; one steward, one thousand two hundred dollars, and one assistant, six hundred dollars; one head waiter, seven hundred and twenty dollars, and two assistants, at four hundred and eighty dollars each; two pantry men, at four hundred and twenty dollars each; one chief baker, one thousand two hundred dollars; one baker, six hundred dollars; two assistants, at five hundred and forty dollars each, and one assistant, four hundred and twenty dollars; necessary waiters, at sixteen dollars per month each, thirteen thousand four hundred and forty dollars, twenty-seven thousand and sixty dollars; one messenger to the superintendent, six hundred dollars, and twenty-five attendants, at three hundred dollars each, eight thousand one hundred dollars; in all, thirty-five thousand one hundred and sixty dollars.

In all, civil establishment, one hundred and eighty-six thousand seven hundred and four dollars.

CURRENT AND MISCELLANEOUS EXPENSES, NAVAL ACADEMY: Text and reference books for use of instructors; stationery, blank books and forms, models, maps, and periodicals; apparatus and materials for instruction in physical training and athletics; expenses of lectures, including pay and expenses of lecturer; chemicals, philosophical apparatus and instruments, stores, machinery, tools, fittings, apparatus, and materials for instruction purposes, thirty-eight thousand five hundred dollars. Current expenses.

Purchase, binding, and repair of books for the library (to be purchased in the open market on the written order of the superintendent), two thousand dollars.

Expenses of the Board of Visitors of the Naval Academy, being mileage and five dollars per diem for each member for expenses during actual attendance at the academy, and for clerk hire, carriages, and other incidental and necessary expenses of the board, two thousand dollars. Board of visitors.

For contingencies for the superintendent of the academy, to be expended in his discretion, two thousand dollars. Contingencies.

In all, current and miscellaneous expenses, forty-four thousand five hundred dollars.

MAINTENANCE, NAVAL ACADEMY: For general maintenance at the Naval Academy, namely: For books, periodicals, maps, models, and drawings; purchase and repair of fire engines; fire apparatus and plants; machinery; purchase and maintenance of all horses and vehicles for use at the academy; seeds and plants; tools and repairs of the same; stationery; furniture for government buildings and offices at the academy; coal and other fuel; candles, oil, and gas; attendance on light and power plants; cleaning and clearing up station and care of buildings; attendance on fires, lights, fire engines, fire apparatus, and plants, and telephone, telegraph, and clock systems; incidental labor; advertising; water tax, Maintenance.

postage, telephones, telegrams, tolls, and ferriage; flags and awnings; packing boxes; fuel for heating and lighting bandsmen's quarters; pay of inspectors and draftsmen; music, musical and astronomical instruments; and for the pay of employees on leave, two hundred and ten thousand dollars.

Bandsmen, buildings for.

Rent of buildings for the use of the academy and commutation of rent for bandsmen at eight dollars per month each, two thousand nine hundred and sixty-four dollars.

Repairs.

REPAIRS, NAVAL ACADEMY: Necessary repairs of public buildings, wharves, and walls inclosing the grounds of the Naval Academy, improvements, repairs, furniture, and fixtures, sixty-five thousand dollars.

In all, maintenance, two hundred and seventy-seven thousand nine hundred and sixty-four dollars.

In all, Naval Academy, five hundred and nine thousand one hundred and sixty-eight dollars.

MARINE CORPS.

PAY, MARINE CORPS: * * *

PAY OF CIVIL FORCE: * * *

Assistant paymasters, clerks for.

For each assistant paymaster, one clerk who shall hereafter be available where his services are required and who shall receive the same pay, allowances, and other benefits as are now or may hereafter be provided for paymaster's clerks of corresponding length of service in the United States Army (five clerks in all), seven thousand dollars.

School of application.

MILITARY STORES, MARINE CORPS: * * * For the purchase of one site at a cost not to exceed two thousand dollars; * * *

Rifles, purchase of.

For the purchase of Springfield rifles from the United States Army, fifty thousand dollars.

INCREASE OF THE NAVY.

Two battle-ships.

That, for the purpose of further increasing the naval establishment of the United States, the President is hereby authorized to have constructed two first-class battle ships to cost, exclusive of armor and armament, not exceeding six million dollars each, similar to the battle ship authorized by the act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and nine.

Two colliers.

Two fleet colliers of fourteen knots trial speed, when carrying not less than twelve thousand five hundred tons of cargo and bunker coal, to cost not exceeding one million dollars each.

And the contract for the construction of said vessels shall contain a provision requiring said vessels to be built in accordance with the provisions of an act entitled "An

act relating to the limitation of the hours of daily service of laborers and mechanics employed upon the public works of the United States and of the District of Columbia," approved August first, eighteen hundred and ninety-two, and shall be awarded by the Secretary of the Navy to the lowest best responsible bidder, having in view the best results and most expeditious delivery; and in the construction of all of said vessels the provisions of the act of August third, eighteen hundred and eighty-six, entitled "An act to increase the naval establishment," as to materials for said vessels, their engines, boilers, and machinery, the contracts under which they are built, the notice of any proposals for the same; the plans, drawings, specifications therefor, and the method of executing said contracts shall be observed and followed, and, subject to the provisions of this act, except that the Secretary of the Navy may accept, in lieu of an indemnity bond, the deposit by contractors of United States Government or State bonds, under such conditions and in such manner as the Secretary may prescribe, having due regard for the rights and protection of the United States, all said vessels shall be built in compliance with the terms of said act, and in all their parts shall be of domestic manufacture; and the steel materials shall be of domestic manufacture, and of the quality and characteristics best adapted to the various purposes for which it may be used, in accordance with specifications approved by the Secretary of the Navy, provided contracts for furnishing the same in a reasonable time, at a reasonable price, and of the required quality can be made with responsible parties: *Provided*, That not more than one of the battle ships provided for in this act shall be built by the same contracting party: *Provided always*, That one of the battle ships herein authorized shall be constructed in one of the navy-yards.

For four submarine torpedo boats in an amount not exceeding in the aggregate two million dollars, and the sum of eight hundred thousand dollars is hereby appropriated toward said purpose. Four subma-
rines.

For six torpedo-boat destroyers, to have the highest practicable speed, and to cost in all not to exceed seven hundred and fifty thousand dollars each, and toward the construction of said torpedo-boat destroyers the sum of two million two hundred and twenty-five thousand dollars is hereby appropriated. Six torpedo-
boat destroy-
ers.

The Secretary of the Navy may build any or all of the vessels authorized in this act in such navy-yards as he may designate, and shall build any of the vessels herein authorized in such navy-yards as he may designate, should it reasonably appear that the persons, firms, or corporations, or the agents thereof, bidding for the construction of any of said vessels, have entered into any combination, agreement, or understanding, the effect,

object, or purpose of which is to deprive the Government of fair, open, and unrestricted competition in letting contracts for the construction of any of said vessels.

Construction and machinery.

CONSTRUCTION AND MACHINERY: On account of hulls and outfits of vessels and steam machinery of vessels heretofore and herein authorized, seventeen million one hundred seventy-five thousand seven hundred and fifty three dollars: *Provided*, That no part of the above appropriation shall be used for the payment of the construction of any collier the total cost of which shall exceed one million dollars.

Submarines.

INCREASE OF THE NAVY; TORPEDO BOATS: On account of submarine torpedo boats, heretofore authorized, eight hundred and fifty-nine thousand nine hundred and seventy-one dollars.

Torpedo boats.

INCREASE OF THE NAVY; TORPEDO BOATS: On account of torpedo vessels whose vitals are located below the normal load water line, upon condition of compliance with the authorization in the act entitled "An act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and ten, and for other purposes," four hundred and forty-five thousand dollars: *Provided*, That the Secretary of the Navy may, in his discretion, expend any part of the amount hereby appropriated, for small vessels of this type having a speed exceeding nineteen knots at a cost not to exceed thirty thousand dollars each: *Provided*, That nothing herein contained shall be construed as mandatory upon the Secretary of the Navy to purchase said vessels.

Colliers, to continue.

INCREASE OF THE NAVY; COLLIER: On account of two fleet colliers, heretofore authorized, three hundred thousand dollars: *Provided*, That the unexpended balance of the sum of one million five hundred thousand dollars appropriated toward the construction of two fleet colliers authorized by the naval appropriation act approved May thirteenth, nineteen hundred and eight, is hereby reappropriated and made available for the construction of the collier therein designated to be built on the Pacific coast in such government yard as the Secretary of the Navy shall direct: *Provided further*, That the cost of said collier shall not exceed the sum of one million dollars.

Armor and armament.

ARMOR AND ARMAMENT: Toward the armor and armament of domestic manufacture for vessels authorized, eleven million five hundred and sixty-five thousand one hundred and twenty-two dollars: *Provided*, That no part of this appropriation shall be expended for armor for vessels except upon contracts for such armor when awarded by the Secretary of the Navy to the lowest responsible bidders, having in view the best results and most expeditious delivery.

Equipment.

INCREASE OF THE NAVY; EQUIPMENT: Toward the completion of the equipment outfit of the new vessels author-

ized, three hundred and ninety-nine thousand five hundred dollars.

Total increase of the navy, thirty-three million seven hundred and seventy thousand three hundred and forty-six dollars.

Provided, That no part of any sum hereby appropriated under "Increase of the navy" shall be used for the payment of any clerical, drafting, inspection, and messenger service, or for pay of any of the other classified force, under the various bureaus of the Navy Department in Washington, District of Columbia.

That no part of any sum appropriated by this act shall be used for any expense of the Navy Department at Washington unless specific authority is given by law for such expenditure.

Approved, June 24, 1910.

SIXTY-FIRST CONGRESS, THIRD SESSION—MARCH 4, 1911.

[PUBLIC—No. 479.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and twelve, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

PAY OF THE NAVY

Is added: "Pay and allowances prescribed by law of officers on sea duty and other duty; officers on waiting orders; officers on the retired list; clerks to paymasters and not exceeding ten clerks to accounting officers at yards and stations, general storekeepers ashore and afloat not exceeding ten clerks, and receiving ships, and other vessels; two clerks to general inspectors of Pay Corps; one clerk to pay officer in charge of deserters' rolls,¹ * * *"

Paymasters' clerks, who entitled to.

Provides "That the accounting officers of the Treasury are * * * authorized and directed to open and resettle, upon application, the accounts of volunteer officers of the Navy who served in the War with Spain, and to resettle such accounts in accordance with the decision of the Supreme Court of the United States in the case of the United States against John M. Hite, reported in Two hundred and fourth United States Reports, page three hundred and forty-three."

John M. Hite, relief of.

* * * * *
CONTINGENT, NAVY: * * * It is "Provided * * * That the Secretary of the Navy be, and he hereby is, authorized, in his discretion, to make partial payments from time to time during the progress of the work under existing contracts and all contracts hereafter made under the Navy Department for public purposes, but not in excess of ninety per centum of the value of work already done; and the contracts hereafter made shall provide for such insurance as the Secretary of the Navy may deem sufficient, and for a lien in favor of the Government, which lien is hereby made paramount to all other liens, upon the articles or thing contracted for on account of all

Partial payments.

¹ Amended by act July 21, 1911, Pub. No. 2, to read as follows: "Clerks to paymasters at yards and stations, general storekeepers ashore, and receiving ships, and other vessels; two clerks to general inspectors of the Pay Corps; one clerk to pay officer in charge of deserters' rolls; not exceeding ten clerks to accounting officers at yards and stations; and not exceeding ten clerks to general storekeepers afloat."

payments so made, provided that partial payments shall not be made under such contracts except where stipulated for and then only in accordance with contract provisions."¹

Former engineer officers to be additional numbers.

That officers on the active list of the line of the United States Navy who, under authority of law, now perform engineering duty on shore only are hereby made additional to the numbers in the grades in which they are now serving, and shall be carried as additional to the numbers of each grade to which they may hereafter be promoted: *Provided*, That said officers shall be entitled to all the benefits of retirement under existing or future laws equally with other officers of like rank and service.

Officers, retirement of in next higher grade.

Hereafter, if any officer of the United States Navy shall fail in his physical examination for promotion and be found incapacitated for service by reason of physical disability contracted in the line of duty, he shall be retired with the rank to which his seniority entitled him to be promoted.

* * * * *

BUREAU OF NAVIGATION.

* * * * *

Aviation, experiments in.

For experimental work in the development of aviation for naval purposes, twenty-five thousand dollars.

* * * * *

Naval training station, Great Lakes.

NAVAL TRAINING STATION, GREAT LAKES: * * *
For "fire * * * extinguishers; boats and gymnastic implements; models and other articles needed in instruction of apprentice seamen; printing outfit and material, and maintenance of same; * * * repairs to power-plant equipment, distributing mains, tunnel, and conduits; * * * lectures and suitable entertainments for apprentice seamen; * * *."

BUREAU OF ORDNANCE.

* * * * *

Guns, work on.

For fitting new breech mechanisms to three-inch, fifty-caliber, Mark III guns, one hundred thousand dollars.
Modifying breech mechanisms of three-inch, four-inch, five-inch, and six-inch guns, one hundred thousand dollars.

¹ Repealed Pub. Res. No. 5, Aug. 14, 1911. Reenacted in following modified form, act Aug. 22, 1911:

"That the Secretary of the Navy be, and he hereby is, authorized, in his discretion, to make partial payments from time to time during the progress of the work under existing contracts and all contracts hereafter made under the Navy Department for public purposes, but not in excess of the value of work already done; and the contracts hereafter made shall provide for a lien in favor of the Government, which lien is hereby made paramount to all other liens, upon the articles or thing contracted for on account of all payments so made: *Provided*, That partial payments shall not be made under such contracts except where stipulated for, and then only in accordance with contract provisions."

For replacing Mark VI six-inch guns with Mark VIII guns, and repairing and modernizing the Mark VI guns for issue, two hundred thousand dollars.

For landing guns and appurtenances, two hundred thousand dollars.

* * * * *

ARMING AND EQUIPPING NAVAL MILITIA: * * * For * * * salaries of the necessary clerical force and office expenses in the Navy Department, at Washington, District of Columbia, * * * *Provided*, That immediately upon the approval of this Act the necessary employees in the Navy Department, at Washington, District of Columbia, may be appointed, and their salaries and office expenses for the remainder of the fiscal year ending June thirtieth, nineteen hundred and eleven, paid from the unexpended balance of appropriations heretofore made for "Arming and equipping Naval Militia."

Naval Militia office force.

That the Secretary of the Navy be, and he is hereby, authorized to loan, at his discretion, to the city of Detroit, Michigan, for exhibition in the Detroit Museum of Art, the silver service presented to the United States ship Detroit by the city of Detroit: *Provided*, That should another vessel be hereafter named after the city of Detroit the said silver service shall be returned by the city of Detroit to such vessel: *And provided further*, That no expense shall be caused the United States Government by the delivery of the said service, the same to be delivered at such time and under such conditions as may be agreed upon between the Secretary of the Navy and A. H. Griffith, the director of the Detroit Museum of Art.

Detroit.

Silver service, loan of.

* * * * *

BUREAU OF YARDS AND DOCKS.

MAINTENANCE OF YARDS AND DOCKS: * * * *Provided*, * * * That the Secretary of the Navy is authorized, in his discretion, to furnish hereafter, without charge, heat and light for the Young Men's Christian Association buildings in navy yards and stations.

Heat and light furnished to Y. M. C. A.

PUBLIC WORKS, BUREAU OF YARDS AND DOCKS.

NAVY YARD, PORTSMOUTH, NEW HAMPSHIRE: Combined railway and highway bridge, with approach and appurtenances (cost not to exceed one hundred and twenty-five thousand dollars), one hundred and twenty-five thousand dollars; railroad rolling stock, additional, four thousand dollars; for continuing the extension of the quay wall, one hundred thousand dollars; in all, two hundred and twenty-nine thousand dollars.

Portsmouth.

NAVY YARD, BOSTON, MASSACHUSETTS: Dredging, five thousand dollars; toward one hundred and fifty ton

Boston.

floating crane (cost not to exceed three hundred and twenty-five thousand dollars), one hundred and fifty thousand dollars; improvements to water front, fifty thousand dollars; improvements to yard buildings, ten thousand dollars; paving, ten thousand dollars; electrical system, extension, five thousand dollars; one officer's quarters, twelve thousand dollars; improvement of central power plant, twenty thousand dollars; enlargement of Dry Dock Numbered Two, fifteen thousand dollars, to be immediately available; in all, navy yard, Boston, two hundred and seventy-seven thousand dollars.

New York.

NAVY YARD, NEW YORK, NEW YORK: Dry Dock Numbered Four, to complete, five hundred and fifty thousand dollars; improvement of water front, to continue, one hundred thousand dollars; bollards and capstans for Dry Dock Numbered Four, forty-two thousand five hundred dollars; crane track and extension of railroad track around Dry Dock Numbered Four, forty-three thousand dollars; supply pipes around Dry Dock Numbered Four, fifteen thousand dollars; paving around Dry Dock Numbered Four, twenty-four thousand dollars; condenser system, forty-five thousand dollars; distributing systems, extensions, fifty thousand dollars; railroad equipment, extensions, five thousand dollars; yard dispensary, extension, four thousand five hundred dollars; in all, navy yard, New York, New York, eight hundred and seventy-nine thousand dollars.

Philadelphia.

NAVY YARD, PHILADELPHIA, PENNSYLVANIA: Rebuilding Pier Numbered Five, seventy-five thousand dollars; reserve basin, extension, fifty thousand dollars; railroad track and equipment, five thousand dollars; sanitation system, reserve basin (to cost not to exceed seventy-five thousand dollars), thirty thousand dollars; in all, navy yard, Philadelphia, one hundred and sixty thousand dollars.

Washington.

NAVY YARD, WASHINGTON, DISTRICT OF COLUMBIA: Dredging, to continue, five thousand dollars; new foundry (cost not to exceed two hundred thousand dollars), one hundred thousand dollars; railroad tracks, extension, two thousand dollars; paving, to continue, two thousand five hundred dollars; in all, one hundred and nine thousand five hundred dollars.

Guantanamo.

NAVAL STATION, GUANTANAMO, CUBA: For emergency repair installation, three hundred and seventy-eight thousand five hundred dollars.

Norfolk.

NAVY YARD, NORFOLK, VIRGINIA: Railroad tracks, extensions, five thousand dollars; electric-light plant, extensions, twenty-five thousand dollars; repairs, buildings, Saint Helena, twenty-five thousand dollars; dredging, to continue, twenty thousand dollars; compressed-air system, extensions, five thousand dollars; improvements to water front, one hundred thousand dollars; paving and grading, ten thousand dollars; heating system, extension,

fifteen thousand dollars; sewer system, extensions, six thousand dollars; water system, extension, five thousand dollars, garbage crematory, ten thousand dollars; fire-protection system, extensions, five thousand dollars; renewals and additions to one hundred and twenty-ton floating derrick, five thousand dollars; renewal of Richmonds Dock, twelve thousand dollars; natatorium, Saint Helena, four thousand five hundred dollars; purchase of land and widening of channel, eighty thousand dollars; the sum of twenty thousand dollars appropriated by the Act of June twenty-fourth, nineteen hundred and ten, for crane track around Dry Dock Numbered Three is hereby reappropriated and made available for renewal of locomotive crane tracks; in all, navy yard, Norfolk, Virginia, three hundred and thirty-two thousand five hundred dollars.

NAVY YARD, CHARLESTON, SOUTH CAROLINA: Paving and grading, to continue, five thousand dollars; railroad system, extensions and improvements, five thousand dollars; toward permanently securing deep water at the entrance of the dry dock at the navy yard, sixty thousand dollars; in all, seventy thousand dollars.

Charleston.

NAVAL STATION, KEY WEST, FLORIDA: Approach to Pier B, ten thousand dollars; repairs; coal shed and coal conveyers "A," twenty-three thousand dollars; sewers, two thousand dollars; water system, five thousand dollars; machinery house, marine railway, two thousand dollars; repairs and foundations, Shed B, six thousand dollars; to restore dike and fill, nine thousand dollars; quay wall extension, fifty thousand dollars; in all, one hundred and seven thousand dollars.

Key West.

NAVY YARD, MARE ISLAND, CALIFORNIA: Improvement of hydraulics, Mare Island straits, and so forth, in accordance with the report submitted in House Document Numbered Eleven hundred and three, Sixtieth Congress, second session, three hundred thousand dollars: *Provided*, That the Secretary of the Navy may enter into a contract or contracts for such materials and work as may be necessary to complete the project, to be paid for as appropriations may, from time to time, be made by law, not to exceed in the aggregate five hundred and seven thousand dollars; grading and paving, fifteen thousand dollars; railway system, extensions, ten thousand dollars; water system, extensions, five thousand dollars; electric plant, extensions, five thousand dollars; pneumatic system, extensions, five thousand dollars; improvement of Quarters "I," five thousand dollars; in all, three hundred and forty-five thousand dollars.

Mare Island.

NAVY YARD, PUGET SOUND, WASHINGTON: Dry dock, to be complete, nine hundred thousand dollars; Pier Six, renewals and improvements, twenty-five thousand dollars; heating system, renewals and extensions, ten thousand dollars; water-closets for yard workmen, twelve thousand dollars; paving and walks to commence, ten

Puget Sound.

thousand dollars; garbage incinerator, six thousand dollars; railroad equipment and extension, five thousand dollars; fresh-water system, extensions, five thousand dollars; fire-protection system, extensions, ten thousand dollars; dredging, five thousand dollars; walk on Burwell Avenue, one thousand dollars; in all, navy yard, Puget Sound, Washington, nine hundred and eighty-nine thousand dollars.

Pearl Harbor.

NAVAL STATION, PEARL HARBOR, HAWAII: Dredging channel, to complete, five hundred and forty-five thousand dollars; dry dock, to continue, eight hundred thousand dollars; administration building, fifty thousand dollars; power plant, two hundred and fifty thousand dollars; six officers' quarters, sixty-nine thousand dollars; fresh-water system, twenty-three thousand dollars; foundry, seventy-five thousand dollars; forge shop, fifty thousand dollars; combined ship fitters, metal workers, and boiler shop, one hundred and twenty thousand dollars; pipe and plumber shop, thirty-five thousand dollars; combined wood-working shop, seventy thousand dollars; water-front development, one hundred thousand dollars; naval hospital (total cost not to exceed three hundred thousand dollars), including surgeon's quarters (cost not to exceed twenty-one thousand dollars), quarters for female nurses (cost not to exceed ten thousand dollars), stables (cost not to exceed five thousand dollars); improvement of grounds (cost not to exceed fifteen thousand dollars), seventy-five thousand dollars; in all, two million two hundred and sixty-two thousand dollars.

The capacity of the one hundred and ten ton floating crane authorized by the act of June twenty-fourth, nineteen hundred and ten, for use of Pearl Harbor, is hereby increased to one hundred and fifty tons capacity, and the limit of cost is hereby increased to three hundred and thirty-five thousand dollars.

Guam.

NAVAL STATION, ISLAND OF GUAM: Sewer system, fifteen thousand dollars; extension of naval station roads, ten thousand dollars; coal shed, Piti, one thousand dollars; wharf, Piti, three thousand dollars; ice plant, three thousand dollars; in all, thirty-two thousand dollars.

Tutuila.

NAVAL STATION, TUTUILA, SAMOA: For the purchase of five and eleven-hundredths acres of land, more or less, at Steps Point, owned by natives, on which are located range lights, three hundred dollars.

Naval Academy.

BUILDINGS AND GROUNDS, NAVAL ACADEMY: For a new draw bridge across Dorsey Creek, twenty-five thousand dollars.

Naval training station, Rhode Island, buildings.

NAVAL TRAINING STATION, RHODE ISLAND, BUILDINGS: Repairs to Barracks "C," two thousand dollars; renewals and repairs to administration building, twenty-thousand dollars; additional water supply, eighteen thousand dollars; extension and renewal of water, steam, sewer, and CO₂ pipes and heating conduit, seven thousand five hun-

dred dollars; additional roads, walks, and pavements in the vicinity of Barracks "C," two thousand dollars; for moving boat house from its present location near detention barracks to a point on the Peninsula, and preparing site for same; three thousand five hundred dollars; in all, naval training station, Rhode Island, fifty-three thousand dollars.

NAVAL TRAINING STATION, CALIFORNIA, BUILDINGS: Garbage crematory, one thousand five hundred dollars; house for master of tugs, two thousand six hundred dollars; in all, four thousand one hundred dollars.

Naval training station, California, buildings.

NAVAL OBSERVATORY: Grounds and roads: Continuing grading, extending roads and paths, clearing and improving grounds, five thousand dollars.

Naval Observatory.

NAVAL PROVING GROUND, INDIAN HEAD, MARYLAND: For turntable, traverse table, and track, north battery, fourteen thousand five hundred dollars; rebuilding river wharf, ten thousand dollars; in all, naval proving ground, Indian Head, twenty-four thousand five hundred dollars.

Naval proving ground, Indian Head, Md.

Naval magazine, Fort Mifflin, Pennsylvania: Building for re-forming plant, six thousand dollars; installation of electric power, lighting, and telephone system, twelve thousand dollars; in all, eighteen thousand dollars.

Naval magazines: Fort Mifflin.

Naval magazine, New York Harbor (Iona Island): Extension of sea (river) wall, five thousand dollars; one shell house, twenty-five thousand dollars; in all, thirty thousand dollars.

Iona Island.

Naval magazine, Fort Lafayette, New York: Construction of additional floors, making two stories in fixed-ammunition house, shell house, and shell-filling house, and extension of iron balcony on same, five thousand three hundred dollars.

Fort Lafayette.

Naval magazine, Lake Denmark, New Jersey: One magazine, fifteen thousand dollars.

Lake Denmark.

Naval magazine, Saint Juliens Creek, Virginia: One magazine building, fifteen thousand dollars; one shell house, twenty thousand dollars; acquiring fresh-water supply and additional fire protection, ten thousand dollars; in all, forty-five thousand dollars.

St. Juliens Creek.

Naval magazine, Mare Island, California: For one magazine attendant's quarters, three thousand dollars; one shell house, fifteen thousand dollars; in all, eighteen thousand dollars.

Mare Island.

For naval magazine, navy yard, Puget Sound, Washington: One office building and laboratory, nine thousand dollars; one magazine, fifteen thousand dollars; one fixed ammunition storehouse, fifteen thousand dollars; in all, thirty-nine thousand dollars.

Puget Sound.

Naval torpedo station, Newport, Rhode Island: Garbage crematory, three thousand dollars; fire station for hook and ladder and hose reels, two thousand dollars; stable for horses, wagons, trucks, and yard locomotive

Naval torpedo station.

trains, five thousand dollars; water-supply pipe across harbor, six thousand dollars; new power house, toward building (cost not to exceed sixty thousand dollars) and equipping (cost not to exceed one hundred and twenty thousand dollars), sixty thousand dollars; extension of fire mains, six thousand two hundred dollars; paving, additional, five thousand dollars; in all, eighty-seven thousand two hundred dollars.

Naval maga-
sines:
G u a n t a -
n a m o .

Naval magazine, Guantanamo, Cuba: One magazine, fifteen thousand dollars; one shell house, fifteen thousand dollars; one set quarters and office, eight thousand five hundred dollars; wharf, including clearing, grading, and equipment, twelve thousand five hundred dollars; in all, fifty-one thousand dollars.

Olongapo.

NAVAL MAGAZINE, OLONGAPO, PHILIPPINE ISLANDS: One shell house, one observation magazine, one stowage shed, one marine barracks, extensions to gun-cotton house, railway track and dock, one electric generator, and for lighting grounds and quarters, twenty thousand five hundred and seventy-seven dollars.

Rifle range,
Winthrop, Md.

For the extension of existing quarters, buildings, mess hall, increasing rifle-range facilities, and the improvement of target butts, Marine Corps, Rifle Range, Winthrop, Maryland, twenty thousand dollars: *Provided*, That no part of said sum shall be expended for the construction of quarters for marine officers the total cost of which, exclusive of cost of piling and including the heating and plumbing apparatus, wiring, and fixtures, shall exceed in the case of quarters of a general officer the sum of fifteen thousand dollars; of a colonel or an officer above the rank of captain, twelve thousand dollars; and of an officer of and below the rank of captain, nine thousand dollars.

* * * * *

BUREAU OF SUPPLIES AND ACCOUNTS.

* * * * *

Naval supply
fund abolished.

The permanent Naval Supply Fund created by the act of March third, eighteen hundred and ninety-three, as modified by the acts of June tenth, eighteen hundred and ninety-six, and March third, eighteen hundred and ninety-seven, and further increased by the acts of January fifth, eighteen hundred and ninety-nine, and February fourteenth, nineteen hundred and two, is hereby abolished, and of the sum remaining on the books of the Treasury to the credit of the said fund after the adjustment of all liabilities, the Secretary of the Treasury is hereby authorized and directed to cause the sum of one million five hundred thousand dollars transferred to the credit of said fund from the General Account of Advances to be returned to General Account of Advances, and the remainder to be covered into the Treasury; and hereafter the

Naval supply
account cre-
ated.

Naval Supply Account for the Naval Establishment, as created by the act of June twenty-fifth, nineteen hundred and ten, under the Bureau of Supplies and Accounts, shall govern the charging, crediting, receipt, purchase, transfer, manufacture, repair, issue, and consumption of all stores for the Naval Establishment, excepting the materials named in that act and such other materials as the Secretary of the Navy may designate: *Provided*, That the amount expended under General Account of Advances for the purchase and manufacture of stores and materials for the Naval Establishment shall not exceed the amount available for such purposes.

BUREAU OF CONSTRUCTION AND REPAIR.

CONSTRUCTION AND REPAIR OF VESSELS: * * * The Secretary of the Navy is hereby authorized to make expenditures from appropriate funds under the various bureaus for repairs and changes on the vessels herein named, in an amount not to exceed the sum specified for each vessel, respectively, as follows: Georgia, five hundred thousand dollars; Virginia, five hundred thousand dollars; Arethusa, one hundred and twenty thousand dollars; Iroquois, twenty-five thousand dollars; Nero, forty-five thousand dollars; Nanshan, fifty-five thousand dollars; in all, one million two hundred and forty-five thousand dollars, as per the letter of the Acting Secretary of the Navy contained in House Document Numbered One thousand two hundred and twenty-one, Sixty-first Congress, third session, concerning repairs to certain naval vessels: * * *

Repairs to
vessels
(named).

BUREAU OF STEAM ENGINEERING.

* * * * *
Engineering experiment station, United States Naval Academy, Annapolis, Maryland * * *

Engineering
experiment station,
Annapolis.

Equipment of building: To complete the installation of steam, air, and water lines and electric circuit; for modification of trenches, foundations for machinery; for purchase and installation of additional boiler, forty-two thousand dollars.

Completion of boiler house, fifty thousand dollars.

Six cottages for firemen, one thousand dollars each, six thousand dollars.

* * * * *

NAVAL ACADEMY.

* * * * *

MEMORIALS, NAVAL ACADEMY: To complete the installation, and for the care, preservation, and display of memorials and other objects of historic interest and value at the Naval Academy, three thousand dollars.

Memorials,
etc.

Crypt of
chapel.

That the Secretary of the Navy shall have estimates, plans, and specifications prepared for the completion of the crypt of the chapel at the United States Naval Academy, Annapolis, Maryland, as a permanent resting place for the body of John Paul Jones, the cost of said crypt and furnishing of same, including architect's fee and all other expenses of every character connected therewith, not to exceed the sum hereinafter appropriated, said plans and specifications to be approved by the Superintendent of the United States Naval Academy and the Secretary of the Navy.

That the sum of seventy-five thousand dollars, or so much thereof as may be necessary, is hereby appropriated, out of any money in the Treasury not otherwise appropriated, for the completion and furnishing of said crypt in accordance with said plans and specifications.

* * * * *

MARINE CORPS.

* * * * *

Disallow-
ances, removal
of, marine
quartermas-
ters' accounts.

Provided, That the accounting officers of the Treasury are hereby authorized and directed to remove any disallowances or suspensions in the accounts of Disbursing Assistant Quartermasters, United States Marine Corps, for the fiscal years of nineteen hundred and ten and nineteen hundred and eleven, for the purchase, maintenance, repair and operation of motor and other vehicles, including the purchase and repair of harness, stable equipment and accessories of the Quartermaster's Department, United States Marine Corps, when approved by the Secretary of the Navy as necessary for the public service.

* * * * *

INCREASE OF THE NAVY.

Two battle-
ships.

That, for the purpose of further increasing the Naval Establishment of the United States, the President is hereby authorized to have constructed two first-class battleships, each carrying as heavy armor and as powerful armament as any vessel of its class, to have the highest practicable speed and the greatest practicable radius of action, and to cost, exclusive of armor and armament, not to exceed six million dollars each.

Two fleet col-
liers.

Two fleet colliers, of fourteen knots trial speed when carrying not less than twelve thousand five hundred tons of cargo and bunker coal, to cost not to exceed one million dollars each.

Eight de-
stroyers.

Eight torpedo-boat destroyers, to have the highest practicable speed, and to cost not to exceed eight hundred and twenty-five thousand dollars each.

Four subma-
rines.

Four submarine torpedo boats, in an amount not exceeding in the aggregate two million dollars, and the sum

of eight hundred thousand dollars is hereby appropriated for said purpose: *Provided*, That no part of this appropriation shall be expended for the construction of any boat by any person, firm or corporation which has not at the time of the commencement and construction of said vessels established an eight-hour workday for all employees, laborers and mechanics engaged or to be engaged in the construction of the vessels named herein.

One submarine tender, to cost not to exceed five hundred thousand dollars, and the sum of two hundred and fifty thousand dollars is hereby appropriated toward said purpose. One submarine tender.

One gunboat, to cost, exclusive of armor and armament, not to exceed five hundred thousand dollars. One gunboat.

One river gunboat, to cost, exclusive of armor and armament, not to exceed two hundred and fifteen thousand dollars. One river gunboat.

Two seagoing tugs, to cost not to exceed two hundred and fifteen thousand dollars each. Two seagoing tugs.

CONSTRUCTION AND MACHINERY: On account of hulls and outfits of vessels and steam machinery of vessels heretofore and herein authorized, thirteen million five hundred and thirty-one thousand seven hundred and eighty-five dollars and seventy-nine cents: *Provided*, That no part of this appropriation for the construction and machinery of battleships shall be expended for construction of any battleships by any person, firm or corporation which has not at the time of the commencement and during the construction of said vessels established an eight-hour workday for all employees, laborers and mechanics engaged, or to be engaged in the construction of the vessels named herein: *Provided*, That this limitation shall not apply to payments to be made under contracts made prior to the approval of this act: *Provided*, That the limit of cost of the collier authorized and directed by the naval appropriation act, approved May thirteenth, nineteen hundred and eight, to be built in such Government yard on the Pacific coast as the Secretary of the Navy shall direct, is hereby increased from the modified million dollar limit of cost imposed by the act of June twenty-fourth, nineteen hundred and ten, to one million two hundred thousand dollars, exclusive of indirect charges. Construction and machinery.

INCREASE OF THE NAVY; TORPEDO BOATS: On account of submarine torpedo boats and subsurface destroyers, heretofore authorized, eight hundred and ninety thousand eight hundred and thirty-three dollars and eighty-eight cents: *Provided*, That no part of this appropriation shall be expended for the construction of any boat by any person, firm or corporation which has not at the time of the commencement and during the construction of said vessels established an eight-hour workday for all employees, laborers, mechanics engaged in doing the work Torpedo boats.

for which this appropriation is made: *Provided*, That this limitation shall not apply to payments to be made upon vessels authorized prior to the approval of this act.

Armor and armament.

ARMOR AND ARMAMENT: Toward the armor and armament for vessels authorized, ten million five hundred and thirty-two thousand nine hundred and twenty-eight dollars: *Provided*, That no part of this appropriation shall be expended for armor for vessels except upon contracts for such armor when awarded by the Secretary of the Navy to the lowest responsible bidders, having in view the best results and most expeditious delivery: *Provided further*, That no part of this appropriation shall be expended for the purchase of armor or armament from any persons, firms or corporations, that have entered into any combination, agreement, conspiracy or understanding, the effect, object or purpose of which is to deprive the Government of fair, open and unrestricted competition in letting contracts for the furnishing of any of said armor or armament.

Florida.

The limit of cost, exclusive of armor and armament, of the battleship Florida, authorized by the naval appropriation act approved May thirteenth, nineteen hundred and eight, to be built in a Government navy yard, is hereby increased from six million dollars to six million four hundred thousand dollars; and the limit of cost, exclusive of armor and armament, of the battleship authorized and directed by the naval appropriation act approved June twenty-fourth, nineteen hundred and ten, to be constructed in one of the navy yards, is hereby increased to six million four hundred thousand dollars, exclusive of indirect charges.

Total increase of the Navy, twenty-six million five thousand five hundred and forty-seven dollars and sixty-seven cents.

Provided, That no part of any sum hereby appropriated under "Increase of the Navy" shall be used for the payment of any clerical, drafting, inspection, and messenger service, or for pay of any of the other classified force, under the various bureaus of the Navy Department in Washington, District of Columbia.

That no part of any sum appropriated by this act shall be used for any expense of the Navy Department at Washington unless specific authority is given by law for such expenditure.

Combinations to monopolize trade, prevention of.

Provided, That no part of any sum herein appropriated shall be expended for the purchase of structural steel, ship plates, armor, armament or machinery from any persons, firms or corporations who have combined or conspired to monopolize the interstate or foreign commerce or trade of the United States, or the commerce or trade between the States and any Territory or the District of Columbia, in any of the articles aforesaid, and no purchase of structural steel, ship plates or machinery

shall be made at a price in excess of a reasonable profit above the actual cost of manufacture. But this limitation shall in no case apply to any existing contract.

By a joint resolution of Congress the President of the United States has been authorized and respectfully requested, by a proclamation or in such manner as he may deem proper, to invite all foreign countries and nations to attend and participate in an exposition at the city and county of San Francisco, California, on or about the first day of January, nineteen hundred and fifteen, to celebrate the completion and opening of the Panama Canal, and also the four hundredth anniversary of the discovery of the Pacific Ocean. Panama Canal exposition.

The President is further authorized and respectfully requested, in extending his invitation to the foreign nations in pursuance of the aforesaid joint resolution of Congress, to invite their representatives and their fleets to assemble at Hampton Roads, Virginia, and from thence come to the city of Washington, there to be formally welcomed by the President; and, at the conclusion of the ceremonies at Washington, the President is requested to proceed to Hampton Roads and there review the assembled fleets as they start on their voyage to the city of San Francisco. Foreign fleets.

Approved, March 4, 1911.

SIXTY-SECOND CONGRESS, SECOND SESSION—AUGUST 22, 1912.

[PUBLIC—No. 290.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and thirteen, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

PAY OF THE NAVY.

Is added: "The grades of the active list of the Pay Corps of the Navy are hereby increased by ten additional ^{Pay Corps, additions to number in.} paymasters, in all eighty-six paymasters, and by twenty additional passed assistant and assistant paymasters, in all one hundred and sixteen passed assistant and assistant paymasters: *Provided*, That the total increase of the Pay Corps of the Navy shall not exceed twenty during the first fiscal year."

The Auditor for the Navy Department is directed to allow payments made to hospital ^{Hospital stewards.} stewards who were granted permanent appointments as of date of May thirteenth, nineteen hundred and eight, which have heretofore been disallowed by reason of a decision of the Assistant Comptroller of the Treasury dated December twenty-ninth, nineteen hundred and ten, and to pay them out of the appropriations for "Pay of the Navy."

That hereafter any officer retired under the provisions of sections eight and nine of the act approved March third, eighteen hundred and ninety-nine, an act to reorganize and increase the efficiency of the personnel of the Navy and Marine Corps of the United States, shall be retired with the rank and three-fourths the sea pay of the grade from which he is retired. ^{Officers, rank and pay on retirement.}

That the act approved May thirteenth, nineteen hundred and eight, making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and nine, and for other purposes, in so far as it relates to the payment of six months' pay to the widow of an officer or enlisted man and so forth, be amended to read as follows:

"That hereafter immediately upon official notification of the death, from wounds or disease not the result of his own misconduct, of any officer or enlisted man on the active list of the Navy and Marine Corps the Paymaster General of the Navy shall cause to be paid to the widow, and, if no widow, to the children, and, if there be no children, to any other dependent relative of such officer or enlisted man previously designated by him, an amount ^{Gratuity pay.}

equal to six months' pay at the rate received by such officer or enlisted man at the date of his death, less seventy-five dollars in the case of an officer and thirty-five dollars in the case of an enlisted man, to defray expenses of interment, and the residue, if any, of the amount reserved shall be paid subsequently to the designated person."

That the portion of the act entitled "An act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and eleven, and for other purposes," approved June twenty-fourth, nineteen hundred and ten, which reads as follows:

Chiefs of
bureaus.

"The pay and allowances of chiefs of bureaus of the Navy Department shall be the highest shore-duty pay and allowances of the rear admiral of the lower nine, and all officers of the Navy who are now serving or who shall hereafter serve as chief of bureau in the Navy Department, and are eligible for retirement after thirty years' service, shall have, while on the active list, the rank, title, and emoluments of a chief of bureau, in the same manner as is already provided by statute law for such officers upon retirement by reason of age or length of service, and such officers, after thirty years' service, shall be entitled to and shall receive new commissions in accordance with the rank and title hereby conferred," be, and the same is hereby, repealed: *Provided*, That no officer who has received his commission under the provisions of said act shall be deprived of said commission or the rank, title, and emoluments thereof by virtue of this repeal.

Naval officers,
eligibility
to and pay of
while on active
duty.

Hereafter any naval officer on the retired list may, with his consent, in the discretion of the Secretary of the Navy, be ordered to such duty as he may be able to perform at sea or on shore, and while so employed in time of peace shall receive the pay and allowances of an officer of the active list of the same rank: *Provided*, That no such retired officer so employed on active duty shall receive, in time of peace, any greater pay and allowances than the pay and allowances which are now or may hereafter be provided by law for a lieutenant senior grade on the active list of like length of service: *And provided further*, That any such officer whose retired pay exceeds the highest pay and allowances of the grade of lieutenant senior grade, shall, while so employed in time of peace, receive his retired pay only, in lieu of all other pay and allowances.

Useless papers,
disposal
of.

The act "to authorize and provide for the disposal of useless papers in executive departments," approved February sixteenth, eighteen hundred and eighty-nine, is hereby amended so that accumulations in the files of vessels of the Navy of papers that, in the judgment of the commander in chief of the fleet, are not needed or useful in the transaction of current business and have no permanent value or historical interest may be disposed of by

the commander in chief of the fleet by sale, after advertisement for proposals, as waste papers if practicable, or if not practicable, then otherwise, as may appear best for the interests of the Government, the commander in chief of the fleet to make report thereon to the Secretary of the Navy; provided always that no papers less than two years old from the date of the last indorsement thereon and no correspondence, or the related papers, with officers or representatives of a foreign government shall be destroyed or disposed of by such commander in chief of the fleet.

PAY, MISCELLANEOUS.

* * * * *

That the Secretary of the Treasury be, and he is hereby, authorized and directed to pay to the several enlisted men of the Navy and Marine Corps then attached to the United States ship Georgia the respective sums of money placed by said enlisted men on deposit for safe-keeping with the pay officer of said ship as permitted by article thirteen hundred and thirty-one of the Navy Regulations, which said sums were stolen on February tenth or eleventh, nineteen hundred and eleven, by one Edward V. Lee, clerk of said pay officer; and the sum of four thousand three hundred dollars, or so much thereof as may be necessary, is hereby appropriated, out of any money in the Treasury not otherwise appropriated, to carry out the provisions of this act.

Deposits by
enlisted men,
Georgia, re-
payment of.

That the term of enlistment of all enlisted men of the United States Navy other than those who are enlisted during minority shall be four years.

Enlistment,
terms, of.

That the term of enlistment of any enlisted man in the Navy may, by his voluntary written agreement, under such regulations as may be prescribed by the Secretary of the Navy with the approval of the President, be extended for a period of either one, two, three, or four full years from the date of expiration of the then existing four-year term of enlistment, and subsequent to said date such enlisted men as extend the term of enlistment as authorized in this section shall be entitled to and shall receive the same pay and allowances in all respects as though regularly discharged and reenlisted immediately upon expiration of their term of enlistment, and such extension shall not operate to deprive them upon discharge at the termination thereof of any right, privilege, or benefit to which they would be entitled at the expiration of a four-year term of enlistment.

That section fifteen hundred and seventy-three of the Revised Statutes of the United States as amended by section sixteen of an act entitled "An act to reorganize and increase the efficiency of the personnel of the Navy and Marine Corps of the United States," approved

March third, eighteen hundred and ninety-nine, be, and the same is hereby, amended to read as follows: "If any enlisted man or apprentice, being honorably discharged, shall reenlist for four years within four months thereafter, he shall, on presenting his honorable discharge or on accounting in a satisfactory manner for its loss, be entitled to a gratuity of four months' pay equal in amount to that which he would have received if he had been employed in actual service: *Provided*, That any enlisted man in the Navy whose term of enlistment has been extended for an aggregate of four years shall, after the expiration of the preceding four-year term of enlistment upon which the extension is made and if otherwise entitled to an honorable discharge, be paid the gratuity above provided: *And provided*, That any man who has received an honorable discharge from his last term of enlistment, or who has received a recommendation for reenlistment upon the expiration of his last term of enlistment, who reenlists for a term of four years within four months from the date of his discharge, shall receive an increase of one dollar and thirty-six cents per month to the pay prescribed for the rating in which he serves for each successive reenlistment: *And provided further*, That an extension of the period of enlistment as hereinbefore authorized, aggregating four years, shall be held and considered as equivalent to continuous service with respect to all rights, privileges, and benefits granted for such service pursuant to law."

Pay of enlisted men upon reenlistment.

Enlisted men, discharge of.

That under such regulations as the Secretary of the Navy may prescribe, with the approval of the President, any enlisted man may be discharged at any time within three months before the expiration of his term of enlistment or extended enlistment without prejudice to any right, privilege, or benefit that he would have received, except pay and allowances for the unexpired period not served, or to which he would thereafter become entitled, had he served his full term of enlistment or extended enlistment: *Provided*, That nothing in this act shall be held to reduce or increase the pay and allowances of enlisted men of the Navy now authorized pursuant to law.

* * * * *

CARE OF LEPERS, ISLAND OF GUAM: * * *

Lepers, care of.

It is "*Provided*, That the Secretary of the Navy is authorized to transfer all the lepers of Guam now segregated, and other cases that may later appear, to the island of Culion, in the Philippines, and to pay the cost of their transfer and maintenance from this appropriation."

BUREAU OF NAVIGATION.

* * * * *

Advertising agency, employment of.

It is "*Provided*, That authority is hereby granted to employ the services of an advertising agency in advertis-

ing for recruits under such terms and conditions as are most advantageous to the Government."

* * * * *

All moneys belonging to a deceased inmate of the Naval Home or derived from the sale of his personal effects, and which are not claimed by his next of kin, shall be deposited in the Treasury by the governor of the home, as agent, and if any sum so deposited has been or shall hereafter be unclaimed for a period of five years from the death of such inmate it shall be covered into the Treasury as miscellaneous receipts: *Provided*, That the governor of the Naval Home is hereby authorized and directed, under such regulations as may be prescribed by the Secretary of the Navy, to make diligent inquiry in every instance after the death of an inmate to ascertain the whereabouts of his next of kin: *And provided further*, That claims may be presented hereunder at any time, and when supported by competent proof in any case more than five years after the death of an inmate shall be certified to Congress for consideration.

Naval Home, money and personal effects of inmates of.

BUREAU OF ORDNANCE.

* * * * *

ORDNANCE AND ORDNANCE STORES: * * * *Provided*, That the Secretary of the Navy is hereby authorized to make emergency purchases of war material abroad: *And provided further*, That when such purchases are made abroad, this material shall be admitted free of duty.

Emergency purchases of war material abroad. Duty free.

* * * * *

The Secretary of the Navy is hereby authorized to exchange such quantities of potassium nitrate now in store as may not be needed in the manufacture of black powder for sodium nitrate of equal value for use in the manufacture of smokeless powder.

Smokeless powder, material for, to be exchanged.

FOR NAVAL GUN FACTORY, WASHINGTON, DISTRICT OF COLUMBIA: * * *

Gun factory.

Machinery, cupolas, furnaces, and foundry equipment for new foundry, one hundred thousand dollars.

NEW BATTERIES FOR SHIPS OF THE NAVY: * * *

New batteries.

For modifying or renewing breech mechanisms of three-inch, four-inch, five-inch, and six-inch guns, one hundred and twenty-five thousand dollars.

* * * * *

For lining and hooping to the muzzle eight-inch forty-caliber, Mark V guns, sixty thousand dollars.

For liners for eroded guns, one hundred and twenty-five thousand dollars.

For modifying five-inch fifty-caliber Mark V guns, seventy-five thousand dollars.

* * * * *

Modernizing turrets of ships of the Navy: For equipments for turret ammunition hoists and rammers to increase the rapidity, safety, and reliability of the ammuni-

Modernizing turrets.

tion supply and to increase the efficiency and rapidity of loading the guns of all turret vessels authorized previous to the Michigan class, but excluding the Amphitrite, Miantonomoh, Puritan, and Terror, two hundred and fifty thousand dollars.

Modernizing projectiles.

* * * * *
MODERNIZING PROJECTILES: For rebanding projectiles and fitting long points, and other changes as required, three hundred thousand dollars.

Unobligated balances of appropriations re-appropriated.

* * * * *
 That the balances of appropriations unobligated on January eleventh, nineteen hundred and twelve, made for the naval service under the headings "Ammunition for ships of the Navy," "Fire control instruments for ships of the Navy," "Small arms and machine guns," "Torpedoes and appliances," "Experiments, Bureau of Ordnance," "New batteries for ships of the Navy," "Arming and equipping the Naval Militia," "Modernizing projectiles," "Modernizing turrets of ships of the Navy," "Naval Gun Factory, Washington, District of Columbia," and "Battle compasses," are hereby reappropriated and shall be available for obligation until the close of the fiscal year ending June thirtieth, nineteen hundred and thirteen.

BUREAU OF EQUIPMENT.

Sites for radio stations.

* * * *Provided* * * *
 That the sum to be paid out of this appropriation for the purchase of land for sites for radio shore stations shall not exceed fifty thousand dollars: *Provided further*, That the total expenditures under this appropriation at the naval radio laboratory shall not exceed five thousand dollars.

Arlington, Va.

The following-described part of the Government land in Alexandria County, State of Virginia, known as the Arlington estate, is hereby transferred to, and placed under the control and jurisdiction of, the Navy Department for use for naval purposes: Beginning with the stone monument at the southwestern corner of the Arlington Military Reservation, Virginia, and extending thence north four degrees five minutes west six hundred and thirty-three and thirty-four one-hundredths feet to a stake; thence south eighty-nine degrees five minutes east one thousand one hundred and ten and twenty-three one-hundredths feet to a stake; thence south ten degrees forty-four minutes east four hundred and four and eighty-nine one-hundredths feet to a stone in the southern boundary of said reservation; thence south seventy-nine degrees sixteen minutes west one thousand one hundred and sixty and seven-tenths feet to the place of beginning, containing thirteen and four-tenths acres more or less. All bearings refer to the magnetic north.

For the purchase of battle compasses for ships of the Navy heretofore completed, one hundred and twenty thousand dollars.

* * * * *

DEPOTS FOR COAL: * * *

It is provided "that seventy-five thousand dollars * * *, or so much thereof as may be necessary, may be used for the survey and investigation by experimental test of coal in Alaska for use on board ships of the United States Navy and for report upon coal and coal fields available for the production of coal for the use of the ships of the United States Navy or any vessel of the United States, and three hundred and forty-five thousand dollars * * *, or so much thereof as may be necessary shall be used for the coaling station and fuel station at Pearl Harbor, Hawaii."

Coal in Alaska, tests of.

Coaling station, Pearl Harbor.

* * * * *

OCEAN AND LAKE SURVEYS: * * *

Provides "toward the purchase and preparation of necessary sites, purchase and erection of towers and buildings, and the purchase and installation of machinery and apparatus of high-power radio stations (cost not to exceed one million dollars), to be located as follows: One in the Isthmian Canal Zone, one on the California coast, one in the Hawaiian Islands, one in American Samoa, one on the island of Guam, and one in the Philippine Islands four hundred thousand dollars, to be available until expended."

Radio stations, high-power.

* * * * *

PUBLIC WORKS, BUREAU OF YARDS AND DOCKS.

NAVY YARD, PORTSMOUTH, NEW HAMPSHIRE: Crane track and railroad extension, twenty thousand dollars; tool house for naval prison, two thousand dollars; quarters for commanding officer, naval prison, twelve thousand dollars; improvement and additions to power plant, ten thousand dollars; in all, forty-four thousand dollars.

Portsmouth.

The sum of fifty thousand dollars appropriated by the naval act approved March third, nineteen hundred and nine, for foundry building (to cost two hundred and fifty thousand dollars) is hereby reappropriated and made available for the extension and improvement of the existing foundry.

NAVY YARD, BOSTON, MASSACHUSETTS: Toward one hundred and fifty ton floating crane (cost not to exceed three hundred and twenty-five thousand dollars), one hundred and fifty thousand dollars; paving, ten thousand dollars; electrical system, extension, five thousand dollars; reconstruction building numbered twenty-four, sixty-five thousand dollars; railroad system, extension, ten thousand dollars; in all, navy yard, Boston, two hundred and forty thousand dollars.

Boston.

- New York.** NAVY YARD, NEW YORK, NEW YORK: One fifty-ton locomotive crane, fifty thousand dollars; paving and grading, fifteen thousand dollars; yard railroad, extension, ten thousand dollars; dredging, fifty thousand dollars; in all, navy yard, New York, New York, one hundred and twenty-five thousand dollars.
- Philadelphia.** NAVY YARD, PHILADELPHIA, PENNSYLVANIA: Sanitation system, reserve basin, to complete, forty-five thousand dollars; Pier Numbered Five, to extend, seventy-five thousand dollars; water-closets and laundry, ten thousand dollars; in all, navy yard, Philadelphia, one hundred and thirty thousand dollars.
- Washington.** NAVY YARD, WASHINGTON, DISTRICT OF COLUMBIA: New foundry (cost not to exceed two hundred thousand dollars), to complete, one hundred thousand dollars; water-front improvements, fifty thousand dollars; renewal of floors in gun shops and other buildings, twenty-five thousand dollars; electric plant, extensions, twenty-one thousand dollars; storage for power vehicles, four thousand dollars; in all, two hundred thousand dollars.
- Norfolk.** NAVY YARD, NORFOLK, VIRGINIA: Railroad tracks, extensions, five thousand dollars; electric plant, extensions, twenty thousand dollars; repairs, buildings, Saint Helena, twenty-five thousand dollars; improvements to water front, fifty thousand dollars; paving and grading, ten thousand dollars; heating system, extension, fifteen thousand dollars; water-closets and lavatories for ships in dock, fifteen thousand dollars; incinerator, Saint Helena, five thousand dollars; in all, navy yard, Norfolk, Virginia, one hundred and forty-five thousand dollars.
- Charleston.** NAVY YARD, CHARLESTON, SOUTH CAROLINA: Paving and grading, to continue, five thousand dollars; railroad system, extensions and improvements, five thousand dollars; conduit system extension, five thousand dollars; bathroom and lavatories for enlisted men, four thousand dollars; storehouse for oil, twenty thousand dollars; in all, thirty-nine thousand dollars.
- Key West.** NAVAL STATION, KEY WEST, FLORIDA: Power plant, twenty-five thousand dollars; grading and paving, five thousand dollars; paving and grading on Whitehead, Front, and Green Streets where abutting on naval station, five thousand five hundred dollars, or so much thereof as may be necessary: *Provided, however,* That the cost of the United States Government's share for paving and grading said streets shall not exceed one-fourth of the total cost thereof; in all, thirty-five thousand five hundred dollars.

The unexpended balance of the appropriation made in the naval Act approved March second, nineteen hundred and seven, "For construction of two officers' quarters, navy yard, Pensacola, Florida, ten thousand dollars," and the naval act approved May thirteenth, nineteen hundred and eight, "To complete officers' quarters, marine bar-

racks, navy yard, Pensacola, Florida, five thousand dollars," is hereby reappropriated and made available for the erection of officers' quarters and improving grounds at the naval station, Key West, Florida.

NAVY YARD, MARE ISLAND, CALIFORNIA: Grading and paving, fifteen thousand dollars; railway system, extensions, ten thousand dollars; repairs to buildings numbered one hundred and six and one hundred and eighteen, forty-five thousand dollars; sewer system, extensions, ten thousand dollars; in all, eighty thousand dollars.

Mare Island.

NAVY YARD, PUGET SOUND, WASHINGTON: Railroad extension, ten thousand dollars; Pier Numbered Four, one hundred and seventy-five thousand dollars; new foundry equipment, twenty thousand dollars; electric crane, four thousand dollars; two officers' quarters, eighteen thousand dollars; in all, navy yard, Puget Sound, Washington, two hundred and twenty-seven thousand dollars.

Puget Sound.

The appropriation made by the naval Act approved June twenty-fourth, nineteen hundred and ten, for a torpedo station near the Pacific coast of the United States, is hereby reappropriated and such part as the Secretary of the Navy may deem necessary is made available for expenditure for the same purposes at the naval station, Puget Sound, Washington.

NAVAL STATION, PEARL HARBOR, HAWAII: Dry dock (limit of cost is hereby increased to three million four hundred and eighty-six thousand five hundred dollars), to continue, one million and fifty thousand dollars; waterfront development, one hundred thousand dollars; street paving, twenty-five thousand dollars; water system, seventeen thousand dollars; power distribution, mains and conduits, seventy-five thousand dollars; metal and lumber storehouse, twenty-five thousand dollars; paint and rigging loft, twenty-five thousand dollars; pattern shop, sixty thousand dollars; storehouses, one hundred thousand dollars; latrines, ten thousand dollars; railroad equipment, forty-five thousand dollars; floating crane, to complete, two hundred and ten thousand dollars; in all, one million seven hundred and forty-two thousand dollars.

Pearl Harbor.

For the proper control, protection, and defense of the naval station, harbor, and entrance channel at Pearl Harbor, Territory of Hawaii, the Secretary of the Navy is hereby authorized, empowered, and directed to adopt and prescribe suitable rules and regulations governing the navigation, movement, and anchorage of vessels of whatsoever character in the waters of Pearl Harbor, island of Oahu, Hawaiian Islands, and in the entrance channel to said harbor, and to take all necessary measures for the proper enforcement of such rules and regulations.

The Secretary of the Navy is authorized to purchase, from the appropriation "Naval station, Pearl Harbor, Hawaii, fresh-water system," made by the act of March

fourth, nineteen hundred and eleven, one acre, more or less, of land in the island of Oahu, Territory of Hawaii, for the location of wells for supplying fresh water to the Naval Station, Pearl Harbor, Hawaii, at a cost not exceeding one thousand five hundred dollars, and to acquire a right of way for a pipe line from such wells to the naval station.

Naval Academy.

BUILDINGS AND GROUNDS, NAVAL ACADEMY: For removing overhead wires, providing underground conduits, sixty thousand dollars; reenforced concrete bridge across Dorsey Creek (to cost fifty thousand dollars), twenty-five thousand dollars; in all, eighty-five thousand dollars.

The appropriation of twenty-five thousand dollars, made by the act approved March fourth, nineteen hundred and eleven, entitled "An act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and twelve, and for other purposes," for a new drawbridge across Dorsey Creek, is hereby reappropriated and made available for the reenforced concrete bridge herein authorized.

Buildings, naval training stations.

NAVAL TRAINING STATION, RHODE ISLAND, BUILDINGS: Repairs to barracks "B" and "C," ten thousand dollars; underground conduit and lighting system, to extend, five thousand dollars; in all, fifteen thousand dollars.

Rhode Island.

California.

NAVAL TRAINING STATION, CALIFORNIA, BUILDINGS: Buildings in connection with dispensary, one thousand five hundred dollars.

Naval Observatory.

NAVAL OBSERVATORY: For cleaning, repair, and upkeep of grounds and roads, five thousand dollars.

Nautical Almanac, exchange of data for.

The Secretary of the Navy is hereby authorized to arrange for the exchange of data with such foreign almanac offices as he may from time to time deem desirable with a view to reducing the amount of duplication of work in preparing the different national nautical and astronomical almanacs and increasing the total data which may be of use to navigators and astronomers available for publication in the American Ephemeris and Nautical Almanac: *Provided*, That any such arrangement shall be terminable on one year's notice: *Provided further*, That the work of the Nautical Almanac Office during the continuance of any such arrangement shall be conducted so that in case of emergency the entire portion of the work intended for the use of navigators may be computed by the force employed by that office, and without any foreign cooperation whatsoever: *Provided further*, That any employee of the Nautical Almanac Office who may be authorized in any annual appropriation bill and whose services in whole or in part can be spared from the duty of preparing for publication the annual volumes of the American Ephemeris and Nautical Almanac may be employed by said office in the duty of improving the tables of the planets, moon, and stars, to be used in preparing for publication the annual volumes of

the office: *Provided further*, That section four hundred and thirty-five, Revised Statutes, is hereby repealed.

NAVAL PROVING GROUND, INDIAN HEAD, MARYLAND: Repairs to wharf and coal-handling plant at powder factory, ten thousand dollars; new surveillance magazine, one thousand five hundred dollars; two dry houses for smokeless powder, seven thousand five hundred dollars; purchase of five acres (more or less) of additional land, two hundred dollars; one set of double quarters for commissioned officers, twelve thousand dollars; in all, naval proving ground, Indian Head, thirty-one thousand two hundred dollars.

Naval proving ground.

Naval magazine, Fort Mifflin, Pennsylvania: Surveillance test house, two thousand dollars; magazine for explosive "D," two thousand five hundred dollars; magazine for internal detonating fuses, six hundred dollars; magazine for segregated smokeless powder, three thousand dollars; tanks to hold rain water, two thousand dollars; filling house for explosive "D," one thousand dollars; in all, eleven thousand one hundred dollars.

Naval magazines.

Fort Mifflin.

Naval magazine, New York Harbor (Iona Island): Two magazine buildings, including clearing, preparing grades of sites, railroad tracks, thirty thousand dollars; extension of shipping house and replanking dock, ten thousand dollars; in all, forty thousand dollars.

Iona Island.

Naval magazine, Lake Denmark, New Jersey: One locomotive house, two thousand five hundred dollars; one magazine building, including clearing, preparing, grading of site, railroad tracks, fifteen thousand dollars; water pipe mains, four thousand dollars; fire and boundary wall, five thousand dollars; in all, twenty-six thousand five hundred dollars.

Lake Denmark.

Naval magazine, Saint Juliens Creek, Virginia: Two magazine buildings, thirty thousand dollars; magazine building for storage of high explosives, one thousand five hundred dollars; two sets of quarters for magazine attendants, seven thousand dollars; in all, thirty-eight thousand five hundred dollars.

St. Juliens Creek.

Naval magazine, Mare Island, California: One magazine building, twenty thousand dollars; primer house, one thousand five hundred dollars; gunners' quarters, five thousand dollars; in all, twenty-six thousand five hundred dollars.

Mare Island.

For naval magazine, navy yard, Puget Sound, Washington: Extension of fire-protection system, one thousand dollars; quarters for inspector of ordnance, nine thousand dollars; extension of railroad system, three thousand dollars; in all, thirteen thousand dollars.

Puget Sound.

Naval torpedo station, Newport, Rhode Island: New power house, toward building (cost not to exceed sixty thousand dollars) and equipping (cost not to exceed one hundred and twenty thousand dollars), to complete one hundred and twenty thousand dollars; paving, five thou-

Newport.

sand dollars; extension of fresh-water, steam-heating, and conduit systems, ten thousand dollars; in all, one hundred and thirty-five thousand dollars.

Hingham. Naval magazine, Hingham, Massachusetts: Improvement of channel, forty thousand dollars; one general magazine, thirteen thousand dollars; in all, fifty-three thousand dollars.

Kuahua. Naval magazine, Kuahua, Hawii: Dock, twenty-five thousand dollars; primer house, five thousand dollars; one magazine, twenty-five thousand dollars; loaded-shell house, thirty thousand dollars; fixed-ammunition house, twenty-five thousand dollars; high-explosive house, five thousand dollars; railroad tracks and scales, ten thousand dollars; electric power installation, five thousand five hundred dollars; one gunner's quarters, seven thousand dollars; fresh-water system, ten thousand dollars; machinery and tools, five thousand dollars; in all, one hundred and fifty-two thousand five hundred dollars.

Marine barracks, Philadelphia. Marine Barracks, Philadelphia, Pennsylvania: One additional fireproof barracks, one hundred and seventy-five thousand dollars.

Public roads. The Secretary of the Navy is authorized, in his discretion, to grant a permanent right of way for a public road across the Marine Corps reservation in Kitsap County, Washington, in consideration of the permanent closing of the present public road across this reservation and the transferring of all right, title, and interest therein to the United States.

Rifle range, Bremerton. For the purchase of the necessary land required in the development of a rifle range in the vicinity of the naval station, Bremerton, Washington, seven thousand dollars.

* * * * *

BUREAU OF MEDICINE AND SURGERY.

* * * * *

Medical Reserve Corps. That a Medical Reserve Corps, to be a constituent part of the Medical Department of the Navy, is hereby established under the same provisions, in all respects (except as may be necessary to adapt the said provisions to the Navy), as those providing a Medical Reserve Corps for the Army, and as set forth in the act to increase the efficiency of the Medical Department of the United States Army, approved April twenty-third, nineteen hundred and eight.

Assistant dental surgeons. That the appointment of not more than thirty assistant dental surgeons be, and the same is hereby, authorized, said assistant dental surgeons to be a part of the Medical Department of the United States Navy, to serve professionally the personnel of the naval service, and to perform such other duties as may be prescribed by competent authority.

That all original appointments herein authorized shall be made by the Secretary of the Navy in the grade of acting assistant dental surgeon, and all appointees to such grade shall be citizens of the United States, between twenty-four and thirty-two years of age, and shall be graduates of standard medical or dental colleges trained in the several branches of dentistry, of good moral character, of unquestionable professional repute, and before appointment shall pass satisfactory physical and professional examinations, including tests of skill in practical dentistry, of proficiency in the several usual subjects in a standard dental college course, and in such other subjects of general education as are now or may hereafter be required for admission to the Medical Corps of the Navy.

Acting assistant dental surgeons, appointment of.

That at the end of three years from the passage of this act all acting assistant dental surgeons who have had two or more years' service under their original appointment, as herein provided, shall undergo such physical and competitive professional examinations as the Secretary of the Navy may prescribe to determine their fitness to receive commissions in the Navy, and if found qualified they shall be appointed assistant dental surgeons, with the rank of lieutenant (junior grade), in the order of standing as determined by the professional examinations provided for in this act.

Commissions of.

That after the competitive examinations provided for in section three of this act have been held, acting assistant dental surgeons thereafter appointed shall serve a probationary period of three years, and upon the completion of such period shall undergo such examinations as the Secretary of the Navy may prescribe to determine their fitness to receive commissions in the Navy, and, if found qualified, they shall be appointed assistant dental surgeons, with the rank of lieutenant (junior grade).

Probationary period.

That if any acting assistant dental surgeon shall fail upon the examinations prescribed in this act he shall be honorably discharged from the naval service, and the appointment of an acting dental surgeons may be revoked at any time in the discretion of the Secretary of the Navy.

Discharge.

That all appointees authorized by this act shall take rank and precedence in the same manner in all respects as in the case of appointees to the Medical Corps of the Navy, and shall not exercise command over persons in the Navy other than dental surgeons and such enlisted men as may be detailed to assist them by competent authority.

Rank and precedence.

That all officers of the dental corps authorized by this act shall receive the same pay and allowances as officers of corresponding rank and length of service in the Medical Corps of the Navy.

Compensation.

Retirement. That all officers of the dental corps authorized by this act shall be eligible to retirement in the same manner and under the same conditions as officers of the Medical Corps of the Navy: *Provided*, That section fourteen hundred and forty-five of the Revised Statutes of the United States shall not be applicable to the officers herein authorized: *And provided further*, That the dentist now employed at the Naval Academy shall not be displaced by the operation of this act and he shall have the same official status, pay, and allowances as may be provided for the senior dental surgeon at the Military Academy.

Number. That the Secretary of the Navy is hereby authorized to appoint, for temporary service, suitably qualified acting dental surgeons when necessary to the health and efficiency of the personnel of the Naval Service: *Provided*, That the total strength of the dental corps, including those appointed for temporary service under this act, shall not exceed the proportion of one to each thousand of the authorized enlisted strength of the Navy and Marine Corps: *Provided further*, That appointments issued under authority of this act may be revoked at any time, shall have no legal force or effect except for the time the temporary appointee is in active service, and shall include no right of retirement.

That all appointments authorized by this act, except the appointment of acting dental surgeons, shall be made by the President, by and with the advice and consent of the Senate.

Tests of qualifications of.

That all laws and parts of laws inconsistent with the provisions of this act be, and the same are hereby, repealed: *Provided*, That the tests of qualifications for appointment to the said reserve corps and to the dental corps may be varied to suit the subjects of such branch of the healing art or specialty of surgery of which specialists may be required and in the discretion of the Secretary of the Navy such specialists may be grouped separately: *Provided further*, That of the dental surgeons hereby authorized to be appointed to said Medical Reserve Corps and to the said Dental Corps, the whole number ordered to active duty shall not exceed the number the Secretary of the Navy may deem actually necessary to the health and efficiency of the personnel of the Navy and Marine Corps and, in time of peace, the number shall not exceed the proportion of one dental officer to one thousand of said personnel.

Position of chief pharmacist established.

That pharmacists shall, after six years from date of warrant, be commissioned chief pharmacists after passing satisfactorily such examination as the Secretary of the Navy may prescribe, and shall, on promotion, have the rank, pay, and allowances of chief boatswains.

* * * * *

BUREAU OF CONSTRUCTION AND REPAIR.

CONSTRUCTION AND REPAIR OF VESSELS: * * *

Provides that "the Secretary of the Navy is hereby authorized to make expenditures from appropriate funds under the various bureaus for repairs and changes on the vessels herein named, in an amount not to exceed the sum specified for each vessel, respectively, as follows: Connecticut, two hundred and fifty thousand dollars; Vermont, three hundred thousand dollars; Albany, three hundred and fifty thousand dollars; New Orleans, three hundred and fifty thousand dollars; Minneapolis, two hundred and eighty-four thousand dollars; Columbia, two hundred and ninety-two thousand dollars; Sylvia, fourteen thousand dollars; Solace, one hundred and twenty thousand dollars; Panther, one hundred thousand dollars; Piscataqua, forty-five thousand dollars; Active, thirty-eight thousand dollars; Unadilla, forty-three thousand dollars; Uncas, thirty-three thousand dollars; Penacook, twenty-three thousand dollars; Samoset, twenty-three thousand dollars; Pompey, thirty-eight thousand dollars; Yantic, thirty-eight thousand dollars; Prometheus, or Vestal, to convert to a repair ship, three hundred and fifty thousand dollars; * * *"

Repair of vessels (named).

The Secretaries of War and Navy are authorized to cause to be made from any parts of the wreck of the Maine or its equipment that are suitable for the purpose tablets for donation as relics in conformity with the provisions of the Act of December twenty-second, nineteen hundred and eleven, making appropriations to supply urgent deficiencies: *Provided*, That the cost of such tablets may be charged against any unexpended balances of appropriations heretofore made for the removal of the wreck of the Maine and that the municipalities and other bodies receiving such tablets shall defray the cost thereof, which cost shall be reimbursed to the proper appropriation.

Maine, relics from wreck of.

IMPROVEMENT OF CONSTRUCTION PLANTS: For machine tools and appliances required for the equipment of shops, Pearl Harbor, Hawaii, two hundred thousand dollars.

Pearl Harbor, improvement of construction plants.

BUREAU OF STEAM ENGINEERING.

STEAM MACHINERY: * * * *Provided*, That the sum to be paid * * * for aeroplane machinery shall not exceed twenty thousand dollars.

Aeroplane machinery.

* * * * *

Machinery plant, naval station, Pearl Harbor, Hawaii: For machine tools and appliances required for the equipment of shops, three hundred thousand dollars.

Machine tools, Pearl Harbor.

NAVAL ACADEMY.

* * * * *

Walters, additional. COMMISSARY DEPARTMENT: * * * *Provided*, That such additional payments from the midshipmen's commissary fund, as the Superintendent of the Naval Academy may deem necessary, may be made to the waiters herein authorized.

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Periodicals. CURRENT AND MISCELLANEOUS EXPENSES, NAVAL ACADEMY: * * * It is "*Provided*, That section thirty-six hundred and forty-eight, Revised Statutes, shall not apply to subscriptions for foreign and domestic periodicals to be paid for from this appropriation."

MARINE CORPS.

* * * * *

Gunnery sergeants, pay, etc., of. PAY, MARINE CORPS: * * * It is "*Provided*, That the gunnery sergeants of the Marine Corps shall hereafter receive the same pay, and be entitled to the allowances, rank, continuous-service pay, and retired pay of a first sergeant in said corps. * * *"

Fuel. FUEL, MARINE CORPS: For heat and light for the authorized allowance of quarters for officers and enlisted men, and other buildings and grounds pertaining to the Marine Corps; fuel, electricity, and oil for cooking, power, and other purposes; and sales to officers, one hundred and sixty-four thousand dollars. But in purchasing such articles preference shall be given to those produced in the United States but which can be procured at the same price and quality.

* * * * *

Transportation. TRANSPORTATION AND RECRUITING, MARINE CORPS: For transportation of troops, and of applicants for enlistment between recruiting stations and recruit depots or posts, * * *

Enlisted men employed in making repairs, per diem to. REPAIRS OF BARRACKS, MARINE CORPS: * * * For per diem to enlisted men employed under the direction of the Quartermaster's Department on the repair of barracks, quarters, and other public buildings on constant labor for periods of not less than ten days, * * *

Disallowances, removal of for Col. T. C. Prince and Maj. W. B. Lemly. CONTINGENT, MARINE CORPS: * * * Provides "that the accounting officers of the Treasury are hereby authorized and directed to remove the following-mentioned disallowances on the accounts of the disbursing assistant quartermasters, United States Marine Corps, namely, on account of voucher numbered twenty-four hundred and fifty-nine, in the account of Lieutenant Colonel T. C. Prince, assistant quartermaster, United States Marine Corps, retired, second quarter, nineteen

hundred and ten, in favor of A. Buchanan, eighty-four dollars; on account of vouchers numbered two and nine, in the account of Major W. B. Lemly, assistant quartermaster, United States Marine Corps, second quarter, nineteen hundred and eleven, in favor of Simons-Mayrant Company, one thousand and seventy dollars; on account of voucher numbered two thousand and sixty-eight, third quarter, nineteen hundred and eleven, in favor of James Marcello, one hundred and fifteen dollars; on account of voucher numbered thirty-one hundred and ninety, fourth quarter, nineteen hundred and eleven, in favor of James Marcello, two hundred and forty dollars."

* * * * *

INCREASE OF THE NAVY.

That for the purpose of further increasing the Naval Establishment of the United States the President is hereby authorized to have constructed the following vessels:

That for the purpose of further increasing the Naval Establishment of the United States the President is hereby authorized to have constructed one first-class battleship, carrying as heavy armor and as powerful armament as any vessel of its class, to have the highest practicable speed and greatest desirable radius of action, and to cost, exclusive of armor and armament, not to exceed seven million four hundred and twenty-five thousand dollars. One battleship.

Two fuel ships to cost, exclusive of armor and armament, not to exceed one million one hundred and forty thousand dollars each, and which shall be built in navy yards, one to be built in a navy yard on the Pacific coast. Two fuel ships.

Six torpedo-boat destroyers, to have the highest practicable speed, to cost, exclusive of armor and armament, not to exceed nine hundred and forty thousand dollars each. Six torpedo-boat destroyers.

One tender to destroyers to cost, exclusive of armor and armament, not to exceed one million three hundred and fifteen thousand dollars. One tender to destroyers.

Eight submarine torpedo boats in an amount not exceeding in the aggregate four million four hundred and eighty thousand dollars; and the sum of one million six hundred thousand dollars is hereby appropriated for said purpose, and the Secretary of the Navy is directed to consider the advisability of stationing four of said submarine torpedo boats at or near the mouth of the Mississippi River and the United States seaports of the Gulf of Mexico as a proper naval defense thereof and the other four upon the Pacific coast. Eight submarines.

One submarine tender, to cost not to exceed one million dollars, and the sum of four hundred thousand dollars is hereby appropriated toward said purpose. One submarine tender.

The Secretary of the Navy may build any or all of the vessels authorized in this act in such navy yards as he may designate, and shall build any of the vessels herein authorized in such navy yards as he may designate, should it reasonably appear that the persons, firms, or corporations, or the agents thereof, bidding for the construction of any of said vessels, have entered into any combination, agreement, or understanding, the effect, object, or purpose of which is to deprive the Government of fair, open, and unrestricted competition in letting contracts for the construction of any of said vessels.

One river
gunboat.

The appropriation made by the act of May fourth, eighteen hundred and ninety-eight, for one gunboat to be built on the Great Lakes and to take the place of the United States ship Michigan (now Wolverine) is hereby made available for the construction of a river gunboat, which may, as advantage may offer, be built elsewhere than on the Great Lakes or their connecting waters.

Construction
and machinery.

CONSTRUCTION AND MACHINERY: On account of hulls and outfits of vessels and steam machinery of vessels heretofore and herein authorized, nine million four hundred and forty-six thousand two hundred and five dollars.

Torpedo
boats.

INCREASE OF THE NAVY; TORPEDO BOATS: On account of submarine torpedo boats heretofore authorized, nine hundred and twenty-one thousand six hundred and forty-seven dollars.

Colliers.

INCREASE OF THE NAVY; COLLIERIES: On account of two fleet colliers heretofore authorized, five hundred and eighty-one thousand three hundred and twenty-one dollars and forty-eight cents.

Equipment.

INCREASE OF THE NAVY; EQUIPMENT: Toward the completion of equipment outfit of the vessels heretofore and herein authorized, three hundred and fifty-five thousand dollars.

Armor and
armament.

INCREASE OF THE NAVY; ARMOR AND ARMAMENT: Toward the armor and armament for vessels heretofore and herein authorized, seven million two hundred and sixty-five thousand two hundred dollars.

Total increase of the Navy heretofore and herein authorized, twenty million five hundred and sixty-nine thousand three hundred and seventy-three dollars and forty-eight cents.

Hours of labor,
limitation
in.

The act entitled "An act limiting the hours of daily service of laborers and mechanics employed upon work done for the United States, or for any Territory or for the District of Columbia, and for other purposes," approved June nineteenth, nineteen hundred and twelve, shall be in force as to all contracts authorized by this act from and after the passage of this act.

Enlisted men
in making re-
pairs, duties
of, limitation
in.

No enlisted men or seamen, not including commissioned and warrant officers, on battleships of the Navy, when such battleships are docked or laid up at any navy

yard for repairs, shall be ordered or required to perform any duties except such as are or may be performed by the crew while at sea or in a foreign port.

That no part of any sum herein appropriated shall be expended for the purchase of structural steel, ship plates, armor, armament, or machinery from any persons, firms, or corporations who have combined or conspired to monopolize the interstate or foreign commerce or trade of the United States, or the commerce or trade between the States and any Territory or the District of Columbia, in any of the articles aforesaid, and no purchase of structural steel, ship plates, or machinery shall be made at a price in excess of a reasonable profit above the actual cost of manufacture. But this limitation shall in no case apply to any existing contract.

Combina-
tion, to mo-
nopolize inter-
state trade,
prohibition
against.

That no part of any sum herein appropriated under "Increase of the Navy" shall be used for the payment of any clerical, drafting, inspection, or messenger service or for the pay of any of the other classified force under the various bureaus of the Navy Department, Washington, District of Columbia.

Classified
employees in
bureaus not to
be paid from
"Increase of
the Navy."

That no part of any sum appropriated by this act shall be used for any expense of the Navy Department at Washington, District of Columbia, unless specific authority is given by law for such expenditure.

Expense of
Navy Depart-
ment, no part
of to be paid
from sums ap-
propriated by
this act.

Approved, August 22, 1912.

SIXTY-SECOND CONGRESS, THIRD SESSION—MARCH 4, 1913.

[PUBLIC—No. 433.]

[H. R. 28812.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and fourteen, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

PAY OF THE NAVY.

Is added an item for “not exceeding ten clerks to ac-
counting officers at yards and stations; dental surgeon
at Naval Academy: *Provided*, That the President is here-
by authorized, by and with the advice and consent of the
Senate, to appoint the dentist now at the United States
Naval Academy a dental surgeon in the Navy for duty
at the United States Naval Academy, to have the corre-
sponding rank, pay, and allowances as the senior dental
surgeon now at the United States Military Academy:
And provided further, That he shall not be eligible for
retirement before he has reached the age of seventy years
except for physical disability incurred in the line of
duty; * * *.”

Dental sur-
geon, Naval
Academy.

Hereafter the service of a midshipman at the United
States Naval Academy, or that of a cadet at the United
States Military Academy, who may hereafter be appointed
to the United States Naval Academy, or to the United
States Military Academy, shall not be counted in com-
puting for any purpose the length of service of any officer
in the Navy or in the Marine Corps.

Midshipman,
time as, not to
be counted as
officer service.

That so much of an act entitled “An act to reorganize
and increase the efficiency of the personnel of the Navy
and Marine Corps,” approved March third, eighteen hun-
dred and ninety-nine, which reads as follows: “and that
all officers, including warrant officers, who have been or
may be appointed to the Navy from civil life shall, on
the date of appointment, be credited for computing their
pay, with five years’ service,” shall not apply to any per-
son entering the Navy from and after the passage of this
act: *Provided*, That section fourteen hundred and eighty-
six of the Revised Statutes shall not apply in the case of
officers who enter the Navy after the passage of this act
and all such officers shall take precedence when of the
same grade according to their respective dates of com-
mission in that grade.

Constructive
service, aboli-
tion of.

Aviation
duty, addi-
tional pay for.

That from and after the passage and approval of this act the pay and allowances that are now or may be hereafter fixed by law for officers of the Navy and Marine Corps shall be increased thirty-five per centum for such officers as are now or may hereafter be detailed by the Secretary of the Navy on aviation duty: *Provided*, That this increase of pay and allowances shall be given to such officers only as are actual flyers of heavier-than-air craft, and while so detailed: *Provided further*, That no more than thirty officers of the Navy and Marine Corps shall be detailed to aviation service: *Provided further*, That no officer above the rank of lieutenant commander in the Navy or major in the Marine Corps shall be detailed for actual flying: *Provided further*, That nothing in this provision shall be construed to increase the total number of officers now in the Navy or Marine Corps.

Subsistence,
commutation
of Nurse
Corps.

That the accounting officers of the Treasury are hereby authorized and directed to allow in the accounts of disbursing officers of the Navy all payments heretofore made by them in accordance with orders or regulations of the Secretary of the Navy for commutation of subsistence to members of the Nurse Corps of the Navy at the rate therein specified.

Officers, pay
on promotion.

That all officers of the Navy who, since the third day of March, eighteen hundred and ninety-nine, have been advanced or may hereafter be advanced in grade or rank pursuant to law shall be allowed the pay and allowances of the higher grade or rank from the dates stated in their commissions.

PAY, MISCELLANEOUS.

Employees
on leave, not
to be paid ex-
tra.

It is "*Provided*, * * * That employees while taking their leaves of absence shall not receive compensation for services rendered during the period of such leave of absence in addition to leave pay.

Paymaster
John W. Morse,
credit for
funds stolen
from.

That the Secretary of the Treasury be, and he is hereby, authorized and directed to credit in the accounts of Paymaster John W. Morse, United States Navy, the sum of \$17,838.28, being the amount stolen from United States funds by Pay Clerk Edward V. Lee, United States Navy, and charged against the accounts of the said John W. Morse, paymaster, on the books of the Treasury Department.

Pay Director
John N. Speel,
credit for
funds advanced
by.

The Auditor for the Navy Department is hereby authorized and directed to credit to the account of Pay Director John N. Speel, United States Navy, the sum of \$263.54, now standing charged against him on the books of the Treasury Department, on account of an advance made by him to Paymaster's Clerk Edward V. Lee, United States Navy, who deserted from the service before the amount could be deducted from his salary.

BUREAU OF ORDNANCE.

ORDNANCE AND ORDNANCE STORES: * * *

It is "Provided, That this restriction [regarding proposals] shall not apply to purchases of shells or projectiles of an experimental nature or to be used for experimental purposes and paid for from the appropriation 'Experiments, Bureau of Ordnance': * * *."

Experimental shell.

For "Purchase and manufacture of smokeless powder, \$1,150,000: Provided, That no part of any money appropriated by this act shall be expended for the purchase of powder other than small-arms powder at a price in excess of 53 cents a pound: Provided further, That in expenditures of this appropriation, or any part thereof, for powder, no powder shall at any time be purchased unless the powder factory at Indian Head, Maryland, shall be operated on a basis of not less than its full maximum capacity."

Smokeless powder.

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BUREAU OF EQUIPMENT.

* * * * *

Section fifteen hundred and fifty-two of the Revised Statutes of the United States, authorizing the Secretary of the Navy to establish, at such places as he may deem necessary, suitable depots for coal and other fuel for the supply of steamships of war, is hereby repealed.

Fuel depots, section 1552, R. S., repealed.

DEPOTS FOR COAL AND OTHER FUEL: To complete coal-plant at Pearl Harbor, Hawaii, \$306,250; heater coils in fuel oil tanks, \$43,500; additional fuel oil tank at Pearl Harbor, Hawaii, \$30,000; fuel oil tank at Boston, Massachusetts, \$57,700; contingent for repairs and additions to existing depots for coal and other fuel, \$62,550; in all, \$500,000, to be available until expended.

Fuel depots: Pearl Harbor.

Boston.

* * * * *

PUBLIC WORKS, BUREAU OF YARDS AND DOCKS.

NAVY YARD, PORTSMOUTH, NEW HAMPSHIRE: Fitting up room for storage of cranes, \$9,000; garbage crematory, \$6,000; central administration building, \$20,000; in all, \$35,000.

Portsmouth.

NAVY YARD, BOSTON, MASSACHUSETTS: Paving, to continue, \$15,000; electrical system, extension, \$5,000; railroad system, extension and equipment, \$10,000; fireproofing of pattern shop, \$22,000; remodeling building numbered forty, \$12,000; remodeling building numbered seventy-seven for boat storage, \$15,000; power-plant improvements, \$3,900; dredging, to continue, \$10,000; sewers and drains, \$3,600; moving boiler shop from building numbered forty-two to building numbered one hundred and six, including necessary modifications in

Boston.

buildings, \$25,000; additional oil storage, \$5,000; extension to yard dispensary, \$2,800; in all, navy yard, Boston, \$129,300.

- New York.** NAVY YARD, NEW YORK, NEW YORK: Paving and grading, to continue, \$15,000; yard railroad, extension and equipment, \$25,000; dredging, to continue, \$100,000, to be immediately available; improvement of water front, to continue, \$100,000; raising freeboard of floating crane Hercules, \$30,000; in all, navy yard, New York, New York, \$270,000.
- Philadelphia.** NAVY YARD, PHILADELPHIA, PENNSYLVANIA: To complete rebuilding building numbered seven, for central offices, \$50,000; electric system, extensions, \$15,000; seawall protection, \$12,000; water system, extensions, \$15,000; sewer system, extensions, \$5,000; gasoline storage plant, \$10,000; paving, to continue, \$10,000; railroad system, extensions and equipment, \$5,000; quay wall and piers, \$50,000; dredging, to continue, \$40,000; runway for crane, building numbered ten, \$10,000; in all, navy yard, Philadelphia, \$222,000.
- Washington.** NAVY YARD, WASHINGTON, DISTRICT OF COLUMBIA: Water-front improvements, to complete, \$35,000; paving, to continue, \$2,500; sewerage, to extend, \$5,000; railroad, extension, \$2,500; heavy gun scales, \$8,000; in all, \$53,000.
- Norfolk.** NAVY YARD, NORFOLK, VIRGINIA: Railroad tracks, extensions, \$10,000; repairs, buildings, Saint Helena, \$25,000; improvements to water front, to continue, \$50,000; paving and grading, to continue, \$10,000; heating system, extension, \$5,000; one hundred and fifty ton crane (limit of cost not exceeding \$300,000), \$100,000; dredging, to continue, \$40,000; water system, extensions, \$7,500; sewer system, extension, \$5,000; lavatories and toilet facilities, \$5,000; compressed-air system, extensions, \$5,000; in all, navy yard, Norfolk, Virginia, \$262,500.
- Charleston.** NAVY YARD, CHARLESTON, SOUTH CAROLINA: Paving and grading, to continue, \$1,000; locomotive and crane shed, \$5,000; remodeling dispensary, building numbered nineteen, \$3,000; toward torpedo boat berths (to cost not exceeding \$300,000), \$150,000; in all, \$159,000.
- Mare Island.** NAVY YARD, MARE ISLAND, CALIFORNIA: Grading and paving, \$10,000; railway system, extensions, \$5,000; salt-water flushing and fire-protection system, \$25,000; reconstructing quay wall, \$20,000; modernizing electric-power and light-distributing systems, \$20,000; in all, \$80,000.
- Puget Sound.** NAVY YARD, PUGET SOUND, WASHINGTON: Toward ship fitters' shop, mold loft, and structural steel storage, \$120,000; power-plant extensions, \$50,000; Pier Numbered Eight, to extend, \$10,000; paving and walks, \$10,000; linseed-oil storage tanks, \$4,000; sewer system, extensions, \$30,000; telephone system, extensions and renewals, \$2,000; heating system, extensions and renewals, \$10,000; rebuilding Pier Numbered One, \$10,000; in all,

navy yard, Puget Sound, Washington, \$246,000: *Provided*, That the ship fitters' shop, mold loft, and structural steel storage, shall not exceed in cost the sum of \$275,000.

NAVAL STATION, NARRAGANSETT BAY, RHODE ISLAND: *Narragansett Bay.* For purchase of land for extension of landing facilities, \$40,000.

NAVAL STATION, OLONGAPO, PHILIPPINE ISLANDS: *Olongapo.* Steel pontoons for approach to the floating dry dock Dewey, \$30,000.

NAVAL STATION, PEARL HARBOR, HAWAII: *Pearl Harbor.* Water-front development, \$100,000; water system, \$30,000; power distribution, mains and conduits, \$65,000; railroad equipment, \$30,000; boat landings, \$5,000; two officers' quarters, \$24,000; torpedo-boat slips, \$50,000; ice plant and refrigerating system, \$25,000; one dry-dock crane, \$100,000; marine railway, \$100,000; naval hospital, to continue, \$100,000; in all, \$629,000.

NAVAL STATION, GUAM: *Guam.* Water system extension, \$25,000.

BUILDINGS AND GROUNDS, NAVAL ACADEMY: *Naval Academy.* Toward the construction of wharf and approach, \$50,000, and the cost of the same shall not exceed \$125,000.

NAVAL TRAINING STATION, RHODE ISLAND, BUILDINGS: *Naval training stations.* Repairs to barracks "A," "B," and "C," \$6,000; power plant and distributing systems, extension, \$10,000; improvement to water front, to continue, and ferry slip, \$10,000; in all, \$26,000.

NAVAL TRAINING STATION, CALIFORNIA: *Naval Observatory.* Water pipe, \$10,000.

NAVAL OBSERVATORY: *Naval Observatory.* For cleaning, repair, and upkeep of grounds and roads, \$5,000.

NAVAL PROVING GROUND, INDIANHEAD, MARYLAND: *Naval proving ground.* Addition to facilities, \$29,000; storehouse for nitrate of soda, \$15,000; in all, naval proving ground, Indianhead, \$44,000.

Naval Coal depot, Melville Station, Rhode Island: *Coal depot, Melville Station, improvements.* Extension of wharf, \$10,000; sea wall, \$10,000; quarters for machinist, \$5,000; paint and oil house, \$1,000; in all, \$26,000.

Naval magazine, New York Harbor (Iona Island): *Naval magazines, Iona Island.* Lunch room and lockers, \$2,000; blacksmith shop, \$2,500; quarters for gunner, \$6,000; in all, \$10,500.

Naval magazine, Fort Lafayette, New York: *Fort Lafayette.* Extension of wharf, \$6,000; auxiliary pump house for fire protection, \$1,000; dredging channel, \$15,000; in all, \$22,000.

Naval magazine, Lake Denmark, New Jersey: *Lake Denmark.* Fire and boundary wall to complete, \$2,500; pump house, \$1,000; in all, \$3,500.

Naval magazine, Saint Juliens Creek, Virginia: *St. Juliens Creek.* Wharf and approaches, \$40,000; fire-protection system, extensions, \$2,500; railroad system, extensions, \$4,000; in all, \$46,500.

Engineering experiment station, Annapolis, Maryland: Engineering experiment station, Annapolis, Maryland: Concrete sea wall, \$50,000.

Naval magazines, Mare Island. Naval magazine, Mare Island, California: One magazine building, \$15,000; two filling houses, \$2,400; extension of sea wall, \$2,500; in all, \$19,900.

Puget Sound. For naval magazine, navy yard, Puget Sound, Washington: One building for storehouse, \$15,000; clearing and grading ground, \$3,000; quay wall, \$15,000; one filling house, \$1,500; one set of quarters for gunner, \$6,000; in all, \$40,500.

Torpedo stations, Newport. Naval torpedo station, Newport, Rhode Island: Wharf and railroad, Rose Island, \$20,000; improvement water front, \$10,000; in all, \$30,000.

Naval magazine, Hingham. Naval magazine, Hingham, Massachusetts: Magazine for smokeless powder, with railroad approach and extended fire main, \$16,555; railroad track to filling house, \$1,890; one detonator house, \$1,250; one gun-cotton house, \$1,250; one filling house, \$1,500; in all, \$22,445.

Olongapo. Naval magazine, Olongapo, Philippine Islands: Two sets of quarters, chemist and subinspector, \$6,000; extension magazine, \$1,300; filling house, \$4,000; renewal of dock, \$4,000; in all, \$15,300.

Kuahua. Naval magazine, Kuahua, Hawaii: Two magazines, \$50,000; railroad tracks and scales, \$15,000; one gunners' quarters, \$7,000; machinery and tools, \$20,000; one shipping house, \$60,000; building for torpedoes and mines, \$50,000; two filling houses, \$16,000; one segregation house, \$10,000; one bombproof, \$1,500; one unfusing roof, \$500; building for marine guard, \$2,500; compressed air locomotive plant, \$18,000; in all, \$250,500.

Marine barracks, improvements, Boston, Philadelphia. Marine barracks, Boston, Massachusetts: Barracks, \$100,000; officers' quarters, \$48,000; in all, \$148,000. Marine barracks, Philadelphia, Pennsylvania: Central heating plant for Marine Corps establishment, \$35,000; roads, walks, sewers, and distributing systems, extensions, \$15,000; in all, \$50,000.

Puget Sound. Marine barracks, Puget Sound, Washington: One set bachelor quarters, for eight officers, \$35,000.

Pearl Harbor. Marine barracks, Pearl Harbor, Hawaii: One set double quarters for officers, \$18,000; quartermaster's storehouse, \$25,000; post exchange, gymnasium, \$20,000; in all, \$63,000.

Isthmus of Panama. Marine barracks, Isthmus of Panama: Erection of barracks, quarters, and other buildings for accommodation of marines, \$400,000.

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BUREAU OF MEDICINE AND SURGERY.

* * * * *

Section four thousand eight hundred and ten of the Revised Statutes of the United States is hereby amended so as to read as follows:

"SEC. 4810. The Secretary of the Navy shall procure at suitable places proper sites for Navy hospitals, and if the necessary buildings are not procured with the site, shall cause such to be erected, having due regard to economy, and giving preference to such plans as with most convenience and least cost will admit of subsequent additions, when the funds permit and circumstances require; and shall provide, at one of the establishments, a permanent asylum for disabled and decrepit Navy officers, seamen, and marines: *Provided*, That hereafter no sites shall be procured or hospital buildings erected or extensions to existing hospitals made unless hereafter authorized by Congress: *Provided*, That the sum of \$70,000 is appropriated, to be paid out of any money in the Treasury not otherwise appropriated, for the building of a new power plant at the Naval Hospital, Chelsea, Massachusetts, said sum of money to be paid into the Treasury from the proceeds of sale of land authorized by the naval Act of June twenty-ninth, nineteen hundred and six."

Naval hospitals, sites for.

Chelsea, power plant.

It is "*Provided*, That a Navy Dental Reserve Corps is hereby authorized to be organized and operated under the provisions of the Act approved August twenty-second, nineteen hundred and twelve, providing for the organization and operation of a Navy Medical Reserve Corps, and differing therefrom in no respect other than that the qualification requirements of the appointees shall be dental surgeons and graduates of reputable schools of medicine or dentistry instead of 'graduates of reputable schools of medicine,' and so many of said appointees may be ordered to temporary active service as the Secretary of the Navy may deem necessary to the health and efficiency of the personnel of the Navy and Marine Corps, providing the whole number of both regular corps and reserve corps dental surgeons in active service shall not exceed, in time of peace, one to each one thousand five hundred of the said personnel, and no dental surgeon shall render service other than temporary service until his appointment shall have been confirmed by the Senate: *Provided further*, That Dental Corps officers of permanent tenure shall be appointed from the Dental Reserve Corps membership in accordance with the said provisions of the said act, and all such appointees shall be citizens of the United States between twenty-two and thirty years of age, of good moral character, of unquestionable professional repute, and before appointment shall pass satisfactory physical and professional examinations, and when appointed shall take rank and precedence in the same manner in all respects as in the case of appointees to the Medical Corps of the Navy and shall receive corresponding pay and allowances and, when they reach the age of sixty-four years, be entitled to retired pay."

Dental Reserve Corps, created.

Number and qualifications of.

BUREAU OF SUPPLIES AND ACCOUNTS.

PROVISIONS, NAVY: * * * *Provided* * * * That from and after the passage of this act all awards of contracts for provisions for the Navy shall be made by individual items; the contract for each item being awarded to the lowest responsible bidder.

MAINTENANCE, BUREAU OF SUPPLIES AND ACCOUNTS: For fuel, books and blanks, stationery, interior fittings for general storehouses, pay offices and accounting offices in navy yards; coffee mills and repairs thereto; expenses of naval clothing factory and machinery for same; modernizing laboratory equipment and bringing same up to date; tolls, ferriages, yeomen's stores, safes, newspapers, and other incidental expenses; labor in general storehouses, paymasters' offices, and accounting offices in navy yards and naval stations, including naval stations maintained in island possessions under the control of the United States, and expenses in handling stores purchased and manufactured under general account of advances: *Provided*, That the sum to be paid out of this appropriation, under the direction of the Secretary of the Navy, for chemists and for clerical, inspection, and messenger service in the general storehouses, and paymasters' offices of the navy yards and naval stations for the fiscal year ending June thirtieth, nineteen hundred and fourteen, shall not exceed \$520,000; * * *.

NAVAL ACADEMY DAIRY: For the purchase of the necessary land for the location of the Naval Academy dairy, at some point in the vicinity of Annapolis, Maryland, convenient for communication and for the transportation of dairy products from the location of the dairy to the Naval Academy, and for the transfer to new dairy site, and reerection thereon, of buildings belonging to the present dairy, the repair and alteration of such buildings as may be found on the land to be purchased, and for all other necessary purposes connected with the establishment of a dairy on such land, \$100,000: *Provided*, That the cost of said land shall not exceed \$75,000: *Provided further*, That the amount appropriated for this purpose shall be treated as an advance to the midshipmen's store fund at the Naval Academy, to be ultimately repaid to the United States: *And provided further*, That expenditures hereunder shall be reported by the Chief of the Bureau of Supplies and Accounts to the Secretary of the Navy in the same manner as now prescribed by law for the midshipmen's store fund.

BUREAU OF CONSTRUCTION AND REPAIR.

CONSTRUCTION AND REPAIR OF VESSELS: * * * The Secretary of the Navy is hereby authorized to make expenditures from appropriate funds under the various

bureaus for repairs and changes on the vessels herein named, in an amount not to exceed the sum specified for each vessel, respectively, as follows: North Dakota, \$250,000; Minnesota, \$250,000; submarine C-1, \$100,000; submarine C-2, \$100,000; submarine C-3, \$100,000; submarine C-4, \$100,000; submarine C-5, \$100,000; submarine D-1, \$100,000; submarine D-2, \$100,000; submarine D-3, \$100,000; Hannibal, \$75,000; Leonidas, \$100,000; Justin, \$50,000; Nanshan, \$75,000; Prometheus, to convert to a repair ship, \$350,000; in all, \$1,950,000, as per letter of the Secretary of the Navy dated November nineteenth, nineteen hundred and twelve: * * *.

Wrecking pontoon: For construction or purchase of a testing and wrecking pontoon for submarines, to be available until expended, \$300,000. Wrecking pontoon.

IMPROVEMENT OF CONSTRUCTION PLANTS: For repairs and improvement of machinery and implements at plant at navy yard, Portsmouth, New Hampshire, \$10,000. Construction plants. Portsmouth.

For repairs and improvement of machinery and implements at plant at navy yard, Boston, Massachusetts, \$20,000. Boston.

For repairs and improvement of machinery and implements at plant at navy yard, New York, New York, \$20,000. New York.

For repairs and improvement of machinery and implements at plant at navy yard, Philadelphia, Pennsylvania, \$15,000. Philadelphia.

For repairs and improvement of machinery and implements at plant at navy yard, Norfolk, Virginia, \$15,000. Norfolk.

For repairs and improvement of machinery and implements at plant at navy yard, Charleston, South Carolina, \$10,000. Charleston.

For repairs and improvement of machinery and implements at plant at navy yard, Mare Island, California, \$15,000. Mare Island.

For repairs and improvement of machinery and implements at plant at navy yard, Puget Sound, Washington, \$10,000. Puget Sound.

BUREAU OF STEAM ENGINEERING.

* * * * *

Provides that the unobligated balances under the appropriation "Steam machinery" for the fiscal years ending June thirtieth, nineteen hundred and twelve, and June thirtieth, nineteen hundred and thirteen, not exceeding \$250,000, are hereby reappropriated and made available for the development of a type of heavy-oil engine suitable for use in one of the fuel ships authorized by the act approved August twenty-second, nineteen hundred and twelve, and the expenditure thus incurred shall not be a charge against the limit of cost of such vessel. Heavy-oil engine, development of.

Engineering experiment station, Annapolis.

Engineering experiment station, United States Naval Academy, Annapolis, Maryland * * *

Equipment of building: For extension of steam, air, and water lines, and electric circuits; for foundations for machinery; for alternating current generating set; for purchase and installation of additional condensing apparatus for steam turbines, \$26,000.

NAVAL ACADEMY.

PAY OF PROFESSORS AND OTHERS, NAVAL ACADEMY:

* * *

Officers and instructors.

That no part of any sum in this act appropriated shall be expended in the pay or allowances of any commissioned officer of the Navy detailed for duty as an instructor at the United States Naval Academy to perform duties which were performed by civilian instructors on January first, nineteen hundred and thirteen.

N. M. Terry and W. W. Johnson, appointment of, as professors of mathematics.

The President is hereby authorized, by and with the advice and consent of the Senate, to appoint Nathaniel Matson Terry and William Woolsey Johnson professors in the corps of professors of mathematics in the Navy with the rank of lieutenant as extra numbers not in the line of promotion: *Provided*, That for pay and other purposes their service as instructors or professors at the United States Naval Academy previous to being commissioned shall count as service in the Navy: *Provided further*, That for the purpose of this act limitations as to age at the time of appointment shall not apply nor shall age constitute a claim for retirement, and nothing in this act shall operate to create a claim for back pay.

Swordmaster A. J. Corbesier, appointment of, as first lieutenant.

The President is hereby authorized to appoint, by and with the advice and consent of the Senate, A. J. Corbesier, a swordmaster at the United States Naval Academy, to be a first lieutenant in the United States Marine Corps as an extra number, not in the line of promotion.

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Servants, additional payments to.

COMMISSARY DEPARTMENT: * * * *Provided*, That hereafter such additional payments from the midshipmen's commissary fund as the superintendent of the Naval Academy may deem necessary may be made to the servants authorized in the commissary department.

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CURRENT AND MISCELLANEOUS EXPENSES, NAVAL ACADEMY: * * *

Board of Visitors, composition of.

Hereafter the Board of Visitors of the Naval Academy shall consist of seven members of the Committee on Naval Affairs of the United States Senate and seven members of the Committee on Naval Affairs of the House of Representatives, to be appointed by the respective chairmen thereof, and the members so appointed shall visit the Naval Academy annually at such time as the chairman of the Board of Visitors shall appoint, and the

members of each House of Congress of said board may visit said academy together or separately as the said board may elect during the session of Congress. The expenses of the members of the board shall be their actual expenses while engaged upon their duties as members of said board, not to exceed \$5 per day and their actual expenses of travel by the shortest mail routes: *Provided*, That so much of chapter sixty-eight, Statutes at Large, volume twenty, page two hundred and ninety, as is inconsistent with the provisions of this act is hereby repealed.

Duties of.

Expenses of the Board of Visitors of the Naval Academy, being actual expenses while engaged upon duties as members of the board not to exceed \$5 a day and actual expenses of travel by the shortest mail routes, and for clerk hire, and other incidental and necessary expenses of the board, \$500.

Expenses of.

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MAINTENANCE, QUARTERMASTER'S DEPARTMENT, MARINE CORPS.

PROVISIONS, MARINE CORPS: * * * *Provided*, That hereafter so much of this appropriation as may be necessary may be applied for the purchase, for sale to officers, enlisted men, and civilian employees, of such articles of subsistence stores as may from time to time be designated and under such regulations as may be prescribed by the Secretary of the Navy.

Subsistence stores, sale of.

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INCREASE OF THE NAVY.

That for the purpose of further increasing the Naval Establishment of the United States the President is hereby authorized to have constructed one first-class battleship, carrying as heavy armor and as powerful armament as any vessel of its class, to have the highest practicable speed and greatest desirable radius of action, and to cost, exclusive of armor and armament, not to exceed \$7,425,000: *Provided*, That the battleship herein authorized shall be built in a Government navy yard.

One battleship.

Six torpedo-boat destroyers, to have the highest practicable speed, to cost, exclusive of armor and armament, not to exceed \$950,000 each.

Six torpedo-boat destroyers.

Four submarine torpedo boats in an amount not exceeding in the aggregate \$2,478,936; and the sum of \$1,294,912 is hereby appropriated for said purpose.

Four submarines.

One transport, to cost, exclusive of armor and armament, not to exceed \$1,850,000.

One transport.

One supply ship, to cost, exclusive of armor and armament, not to exceed \$1,425,000.

One supply ship.

- The Secretary of the Navy shall build the battleship authorized in this act in such navy yard as he may designate; and shall build any of the other vessels herein authorized in such navy yards as he may designate, should it reasonably appear that the persons, firms, or corporations, or the agents thereof, bidding for the construction of any of said vessels, have entered into any combination, agreement, or understanding, the effect, object, or purpose of which is to deprive the Government of fair, open, and unrestricted competition in letting contracts for the constructions of any of said vessels. That the United States ship Portsmouth be, and hereby is, transferred to the State of California, upon condition that the said State of California, by and through its governor, accept said vessel, United States ship Portsmouth, for said State, after having been first duly authorized by the Legislature of said State of California, and upon the further condition that said vessel remain the property of said State, to be preserved and cared for by the said State of California at its own cost and expense, and the said vessel be turned over to the State authorities of California without any expense to the Government.
- Portsmouth.** CONSTRUCTION AND MACHINERY: On account of hulls and outfits of vessels and steam machinery of vessels heretofore and herein authorized, to be available until expended, \$19,818,228.
- Construction and machinery.**
- Torpedo boats.** INCREASE OF THE NAVY; TORPEDO BOATS: On account of submarine torpedo boats heretofore authorized, to be available until expended, \$2,058,363.
- Equipment.** INCREASE OF THE NAVY; EQUIPMENT: Toward the completion of equipment outfit of the vessels heretofore and herein authorized, to be available until expended, \$430,000.
- Armor and armament.** INCREASE OF THE NAVY; ARMOR AND ARMAMENT: Toward the armor and armament for vessels heretofore and herein authorized, to be available until expended, \$11,724,192.
- Total increase of the Navy heretofore and herein authorized, to be available until expended, \$35,325,695.
- Combination to monopolize interstate trade, prohibition against.** That no part of any sum herein appropriated shall be expended for the purchase of structural steel, ship plates, armor, armament, or machinery from any persons, firms, or corporations who have combined or conspired to monopolize the interstate or foreign commerce or trade of the United States, or the commerce or trade between the States and any Territory or the District of Columbia, in any of the articles aforesaid, and no purchase of structural steel, ship plates, or machinery shall be made at a price in excess of a reasonable profit above the actual cost of manufacture. But this limitation shall in no case apply to any existing contract.

That no part of any sum herein appropriated under "Increase of the Navy" shall be used for the payment of any clerical, drafting, inspection, or messenger service, or for the pay of any of the other classified force under the various bureaus of the Navy Department, Washington, District of Columbia.

Classified employees in bureau not to be paid from "Increase of the Navy."

That no part of any sum appropriated by this act shall be used for any expense of the Navy Department at Washington, District of Columbia, unless specific authority is given by law for such expenditure.

Expenses of Navy Department, no part of, to be paid from sums appropriated by this act.

Approved, March 4, 1913.

SIXTY-THIRD CONGRESS, SECOND SESSION—JUNE 30, 1914.

[PUBLIC—No. 121.]

[H. R. 14034.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and fifteen, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings—]

PAY, MISCELLANEOUS.

It is "*Provided*, That hereafter no mileage shall be paid to any officer where Government transportation is furnished such officer. Mileage.

CONTINGENT, NAVY: * * *

It is provided "That the sum of \$104,000, or so much thereof as may be necessary, be expended, on the approval and authority of the Secretary of the Navy, for entertaining the officers and crews of foreign fleets which may be sent to attend and participate in the Panama-Pacific International Exposition in consequence of the invitation of the President of the United States, extended in pursuance of the authority contained in the joint resolution of Congress approved February fifteenth, nineteen hundred and eleven, and of the authority contained in the act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and twelve, and for other purposes, approved March fourth, nineteen hundred and eleven, and for defraying such other expenses incident to the visit of the said foreign fleets as the Secretary of the Navy may deem proper, and the said sum shall be available until November fifteenth, nineteen hundred and fifteen. Foreign fleets, entertainment of.

That the tolls that have been or may be prescribed by the President, in pursuance of the authority contained in the Panama Canal act, approved August twenty-fourth, nineteen hundred and twelve, to be levied by the Government of the United States for the use of the Panama Canal shall not be assessed against nor collected from any war vessel of any foreign nation which may pass through the Panama Canal en route to or in returning from the Panama-Pacific International Exposition: *Provided*, That such vessel has been sent by its Government to attend and participate in the said exposition in consequence of the invitation of the President of the United States, extended in pursuance of the authority contained in the joint resolution of Congress approved February Canal tolls, remission of, to foreign ships visiting exposition.

fifteenth, nineteen hundred and eleven, and of the authority contained in the act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and twelve, and for other purposes, approved March fourth, nineteen hundred and eleven."

Anchorage,
Hampton
Roads.

The Secretary of the Navy is hereby authorized and empowered to define and establish suitable anchorage grounds in Hampton Roads, Virginia, and the adjacent waters for the combined fleets of the United States and foreign Governments which may rendezvous there prior to proceeding to the Panama-Pacific International Exposition, to be held at the city and county of San Francisco, California, in the year nineteen hundred and fifteen, as

Anchorage,
San Francisco.

well as to define and establish suitable anchorage grounds in the Bay of San Francisco and the approaches and waters adjacent thereto during the continuance of the said Panama-Pacific International Exposition, and the Secretary of the Navy is hereby further authorized to make such rules and regulations regarding the movements of all vessels in all of the waters named as may be necessary in order to insure the proper and orderly conduct of such features as may be planned for the combined fleets and to provide for the safety of the vessels participating therein; and such rules and regulations when so issued and published shall have the force and effect of law.

Shore duty,
former engi-
neer officers
and naval con-
structors eligi-
ble for any as-
signed.

That officers who now perform engineering duty on shore only and officers of the Construction Corps shall be eligible for any shore duty compatible with their rank and grade to which the Secretary of the Navy may assign them.

* * * * *

BUREAU OF NAVIGATION.

* * * * *

Naturalisa-
tion.

Any alien of the age of twenty-one years and upward who may, under existing law, become a citizen of the United States, who has served or may hereafter serve for one enlistment of not less than four years in the United States Navy or Marine Corps, and who has received therefrom an honorable discharge or an ordinary discharge, with recommendation for reenlistment, or who has completed four years in the Revenue-Cutter Service and received therefrom an honorable discharge or an ordinary discharge with recommendation for reenlistment, or who has completed four years of honorable service in the naval auxiliary service, shall be admitted to become a citizen of the United States upon his petition without any previous declaration of his intention to become such, and without proof of residence on shore, and the court admitting such alien shall, in addition to proof of good moral character, be satisfied by competent proof from naval or revenue-cutter sources of such service:

Provided, That an honorable discharge from the Navy, Marine Corps, Revenue-Cutter Service, or the naval auxiliary service, or an ordinary discharge with recommendation for reenlistment, shall be accepted as proof of good moral character: *Provided further*, That any court which now has or may hereafter be given jurisdiction to naturalize aliens as citizens of the United States may immediately naturalize any alien applying under and furnishing the proof prescribed by the foregoing provisions.

* * * * *

OUTFITS ON FIRST ENLISTMENT: * * * *Provided*, That the Secretary of the Navy is authorized to issue a clothing outfit to all enlisted men serving in their second enlistment who failed to receive an outfit of the value authorized by law on their first enlistment, or who, having received such outfit, were required to refund its value on account of discharge prior to expiration of enlistment: *Provided further*, That the net cost to the Government of clothing outfits furnished any one enlisted man shall not exceed \$60.

Clothing outfit, men entitled to, on second enlistment.

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Ocean and lake surveys.—It is provided, “That the Secretary of the Navy is authorized to detail such naval officers not exceeding four as may be necessary to the Hydrographic Office.”

Hydrographic office, detail of officers to.

* * * * *

NAVAL HOME, PHILADELPHIA, PENNSYLVANIA, * * *
 MAINTENANCE: * * * *Provided*, That all moneys derived from the sale of material at the Naval Home, which was originally purchased from moneys appropriated from the income from the naval pension fund, and all moneys derived from the rental of Naval Home property, shall be turned into the naval pension fund: *And provided further*, That hereafter all moneys belonging to a deceased beneficiary of the Naval Home or derived from the sale of his personal effects, not claimed by his legal heirs or next of kin, shall be deposited with the pay officer of the Naval Home, and if any sum so deposited has been or shall hereafter be unclaimed for a period of two years from the death of such beneficiary it shall be deposited in the Treasury to the credit of the naval pension fund: *And provided further*, That the governor of the Naval Home is hereby authorized and directed, under such regulations as may be prescribed by the Secretary of the Navy, to make diligent inquiry in every instance after the death of an inmate to ascertain the whereabouts of his heirs or next of kin: *And provided further*, That claims may be presented hereunder at any time within five years after moneys have been so deposited in the Treasury, and, when supported by competent proof in any case after such deposit in the Treasury, shall be certified to Congress for consideration: *And provided*

Naval pension fund, proceeds of sales, etc., to be turned into.

further, That the pensions of beneficiaries of the Naval Home shall be disposed of in the same manner as prescribed for inmates of the Soldiers' Home, as provided for in section four of the act approved March third, eighteen hundred and eighty-three, under such regulations as the Secretary of the Navy may prescribe, except that in the case of death of any beneficiary leaving no heirs at law nor next of kin any pension due him shall, subject to the foregoing provisions, escheat to the naval pension fund.

* * * * *

BUREAU OF YARDS AND DOCKS.

* * * * *

CONTINGENT, BUREAU OF YARDS AND DOCKS: * * *
Provides for "Minor extensions and improvements of public works, * * *."

PUBLIC WORKS, BUREAU OF YARDS AND DOCKS.

- Boston.** NAVY YARD, BOSTON, MASSACHUSETTS: Improvement of sanitation system, including wash rooms, lockers, and water-closets, \$12,000; additional transportation facilities, \$10,000; in all, navy yard, Boston, \$22,000.
- Unobligated balance made available.** That the unobligated balance under the appropriation, Marine Barracks, Boston, Massachusetts, for the fiscal year ending June thirtieth, nineteen hundred and fourteen, not exceeding \$148,000, is hereby made available for building slip and equipment.
- New York.** NAVY YARD, NEW YORK, NEW YORK: Paving and grading, to continue, \$15,000; yard railroad, extension and equipment, \$15,000; to complete Pier D, \$25,000; toward construction of Pier C (cost not to exceed \$150,000), \$65,000; distributing system, extensions, to continue, including separator receivers, \$15,000; extend second floor mold loft, \$8,500; in all, navy yard, New York, New York, \$143,500.
- Philadelphia.** NAVY YARD, PHILADELPHIA, PENNSYLVANIA: Quay walls and piers, \$50,000; power plant improvement (to install rotary converters), \$15,000; building slip and equipment, \$200,000; in all, navy yard, Philadelphia, \$265,000.
- Washington.** NAVY YARD, WASHINGTON, DISTRICT OF COLUMBIA: Fire-proof general storehouse (cost not to exceed \$225,000), \$100,000.
- Norfolk.** NAVY YARD, NORFOLK, VIRGINIA: Repairs, buildings, Saint Helena, \$25,000; the one hundred and fifty ton crane authorized by the act of March fourth, nineteen hundred and thirteen, shall be of the floating revolving type, and the limit of cost is hereby increased to \$450,000.
- Charleston.** NAVY YARD, CHARLESTON, SOUTH CAROLINA: To complete torpedo boat berths (to cost not exceeding \$300,000), \$150,000; dredging, to continue, \$20,000; sewer

system, extensions, \$5,000; conduit system, extensions, to continue, \$5,000; in all, \$180,000.

The Secretary of the Navy is hereby authorized to pay, from appropriation "Contingent, Bureau of Yards and Docks," for the fiscal year nineteen hundred and thirteen, voucher in favor of The Vilter Manufacturing Company for \$4,937 for an ice-making and refrigerating plant for the naval disciplinary barracks, Port Royal, South Carolina, furnished by said company under contract dated April twenty-third, nineteen hundred and thirteen, with the Secretary of the Navy; and the accounting officers of the Treasury are hereby authorized and directed to allow in the accounts of Passed Assistant Paymaster D. W. Rose credit for payments amounting to \$1,184 made by him to said company under contract dated November fifth, nineteen hundred and thirteen, from appropriation "Contingent, Bureau of Yards and Docks," for the fiscal year nineteen hundred and fourteen, on account of said ice-making and refrigerating plant.

Passed Assistant Paymaster D. W. Rose, relief of.

NAVY YARD, MARE ISLAND, CALIFORNIA: To complete quay wall, \$20,000; modernizing electric-power and light-distributing systems, \$10,000; improvement of hydraulics, Mare Island Straits, in accordance with report submitted in House Document Numbered Eleven hundred and three, Sixtieth Congress, second session, and such modifications as may be made therein in pursuance of the authority contained in the act making appropriations to supply urgent deficiencies in appropriations for the fiscal year ending June thirtieth, nineteen hundred and thirteen, and for other purposes, approved October twenty-second, nineteen hundred and thirteen (limit of cost \$507,000), to complete, \$207,000; dredging and diking, to continue, \$20,000; in all, \$257,000.

Mare Island.

NAVY YARD, PUGET SOUND, WASHINGTON: To complete ship fitters' shop, mold loft, and structural steel storage, \$155,000.

Puget Sound.

NAVAL STATION, NARRAGANSETT BAY, RHODE ISLAND: Water-front improvements, \$10,000.

Narragansett Bay.

NAVAL STATION, GUANTANAMO, CUBA: Quarters for civilian employees, \$8,000; recreation building for enlisted men, \$30,000; in all, \$38,000.

Guantanamo.

NAVAL STATION, PEARL HARBOR, HAWAII: Four officers' quarters, \$20,000; to complete torpedo-boat slips, \$50,000; in all, \$70,000.

Pearl Harbor.

The limit of cost of the dry dock at the naval station, Pearl Harbor, Hawaii, is hereby increased to \$4,986,500.

NAVAL PROVING GROUND, INDIANHEAD, MARYLAND: Toward extension of powder factory (cost not to exceed \$500,000), \$200,000.

Powder factory, Indianhead.

BUILDINGS AND GROUNDS, NAVAL ACADEMY: To complete the construction of wharf and approach, \$75,000.

Naval Academy.

DEPOTS FOR COAL AND OTHER FUEL: For additional fuel-oil storage at Melville, Rhode Island, \$20,000; addi-

Depots for coal.

tional fuel-oil storage at Norfolk, Virginia, \$150,000; fuel-oil storage at San Diego, California, \$50,000; steel coaling tower at San Diego, California, \$45,000; fuel-oil storage at Puget Sound, Washington, \$105,000; fuel-oil storage, San Francisco Bay, California, \$100,000; contingent, \$30,000; in all, \$500,000.

Port Royal.

NAVAL DISCIPLINARY BARRACKS: For the extension and development of the detention system of reforming and disciplining enlisted men of the Navy and Marine Corps convicted by general courts-martial to be used as the Secretary of the Navy May direct at naval disciplinary barracks, Port Royal, South Carolina, and naval disciplinary barracks, navy yard, Puget Sound, Washington, \$75,000.

Puget Sound, Washington.

Torpedo station, Newport.

Naval torpedo station, Newport, Rhode Island: One assembly shop, \$100,000; one torpedo storehouse, \$85,000; one machine shop, \$75,000; in all, \$260,000.

* * * * *

BUREAU OF MEDICINE AND SURGERY.

Naval hospitals, temporary additions to, Mare Island and Puget Sound.

Provided, That the expenditure of \$40,000 is hereby authorized from the naval hospital fund for such temporary structures and equipment of the naval hospitals at Mare Island and Puget Sound as may be necessary to make especial preparation for the sick of the Navy and visiting fleets at the time of the Panama-Pacific International Exposition, and to relieve the present crowded condition of those institutions.

* * * * *

BUREAU OF SUPPLIES AND ACCOUNTS.

Pay, Navy, to constitute one fund.

PAY OF THE NAVY: * * * The money herein specifically appropriated for "Pay of the Navy" shall be disbursed and accounted for in accordance with existing law as "Pay of the Navy," and for that purpose shall constitute one fund: *Provided,* That hereafter the number

Enlisted men, authorized number based on daily average.

of enlisted men of the Navy and Marine Corps provided for shall be construed to mean the daily average number of enlisted men in the naval service during the fiscal year.

Grade of acting chaplain created.

The grade of acting chaplain in the Navy is hereby authorized and created, and hereafter original appointments shall be made by the Secretary of the Navy, not to exceed the number hereinafter provided, in the grade of acting chaplains in the Navy after such examination as may be prescribed by the Secretary of the Navy, and while so serving acting chaplains shall have the rank, pay, and allowances of lieutenant, junior grade, in the Navy. After three years' sea service on board ship each acting chaplain before receiving a commission in the Navy shall establish to the satisfaction the Secretary of the Navy by examination by a board of chaplains and medi-

Qualifications of.

cal officers of the Navy his physical, mental, moral, and professional fitness to perform the duties of chaplain in the Navy, and if found so qualified, shall be commissioned a chaplain in the Navy with the rank of lieutenant, junior grade. If any acting chaplain shall fail on the examinations herein prescribed he shall be honorably discharged from the naval service, and the appointment of any acting chaplain may be revoked at any time in the discretion of the Secretary of the Navy.

Hereafter the total number of chaplains and acting chaplains in the Navy shall be one to each twelve hundred and fifty of the total personnel of the Navy and Marine Corps as fixed by law, including midshipmen, apprentice seamen, and naval prisoners, and of the total number of chaplains and acting chaplains herein authorized ten per centum thereof shall have the rank of captain in the Navy, twenty per centum the rank of commander, twenty per centum the rank of lieutenant commander, and the remainder to have the rank of lieutenants and lieutenants, junior grade.

Chaplains and acting chaplains, number and rank of.

Naval chaplains hereafter commissioned from acting chaplains shall have the rank, pay, and allowances of lieutenants, junior grade, in the Navy until they shall have completed four years' service in that grade, when, subject to examination as above prescribed, they shall have the rank, pay, and allowances of lieutenant in the Navy, and chaplains with the rank of lieutenant shall have at least four years' service in that grade before promotion to the grade of lieutenant commander, after which service, chaplains shall be promoted as vacancies occur to the grades of lieutenant commander, commander, and captain: *Provided*, That not more than seven acting chaplains shall be commissioned chaplains in any one year: *And provided further*, That no provision of this section shall operate to reduce the rank, pay, or allowances that would have been received by any person in the Navy except for the passage of this section, and that all laws or parts of laws inconsistent with the provisions of this section be, and the same are hereby, repealed.

Chaplains, rank and compensation of.

PROVISIONS, NAVY: The accounting officers of the Treasury are hereby authorized and directed to allow members of the Navy Nurse Corps the amounts which as commutation of subsistence have been at any time checked against their accounts or withheld from them as the result of the decisions of the comptroller dated December twenty-first, nineteen hundred and twelve, and April twenty-ninth, nineteen hundred and thirteen, and to pay said sums out of any appropriation for provisions, Navy.

Nurse Corps, subsistence of.

MAINTENANCE, BUREAU OF SUPPLIES AND ACCOUNTS: For * * * the removal and transportation of ashes from ships of war; * * * stationery for commanding and navigating officers of ships, chaplains on shore and afloat, and for the use of courts-martial on board ship;

Miscellaneous items.

purchase, repair, and exchange of typewriters for ships; packing boxes and materials; * * * purchase of articles of equipage at home and abroad under the cognizance of the Bureau of Supplies and Accounts, and for the payment of labor in equipping vessels therewith, and the manufacture of such articles in the several navy yards; musical instruments and music; mess outfits; soap on board naval vessels; athletic outfits; * * * and reimbursement to appropriations of the Department of Agriculture of cost of inspection of meats and meat food products for the Navy Department: * * *.

Supplies turned into stores, value of, to be credited to current appropriations.

Those portions of the acts of June twenty-fifth, nineteen hundred and ten, and March fourth, nineteen hundred and eleven, which create the "Naval supply account" under the Bureau of Supplies and Accounts, are hereby so modified and amended that hereafter the appraised value of all stores, equipage, and supplies turned in from ships, and ships' equipage turned in from yards or stations (except salvage), shall be credited to the current appropriations concerned, and the amounts so credited shall be available for expenditures for the same purposes as the appropriations credited; and all acts or parts of acts in so far as they conflict with this provision are hereby repealed.

BUREAU OF CONSTRUCTION AND REPAIR.

National flag draping coffin.

CONSTRUCTION AND REPAIR OF VESSELS: * * * *Provided*, That the Secretary of the Navy be authorized at his discretion to issue free of cost the national flag (United States national ensign No. 7) used for draping the coffin of any officer or enlisted man of the Navy or Marine Corps whose death occurs while in the service of the United States Navy or Marine Corps, upon request, to the relatives of the deceased officer or enlisted man or upon request, to a school, patriotic order, or society to which the deceased officer or man belonged: * * *

Constellation.

And the Secretary of the Navy is hereby authorized to make expenditures from appropriate funds under the various bureaus for repairs and changes on the vessel herein named in an amount not to exceed the sum specified for said vessel, Constellation, \$50,000 * * *:

Dry dock, San Francisco, contract for use.

Provided further, That the Secretary of the Navy is hereby authorized to enter into contract for the use by the Government of drydocks at Hunters Point, San Francisco, California, one of which docks shall be capable of docking the largest vessel that can be passed through the locks of the Panama Canal, for a period not to exceed six years from completion of such dock, at a compensation of \$50,000 per annum during said period of six years, the right of the Government to the use of said docks in time of war to be prior and paramount: *Provided*, That the construction of the large dock shall be

undertaken immediately upon entering into this contract and shall be completed within twenty-four months thereafter: *And provided further*, That said contract shall provide for docking rates not in excess of commercial rates, and for such other conditions as may be prescribed by the Secretary of the Navy, prior to entering into such contract: *And provided further*, That in the event, during the said contract period of six years, the necessities of the fleet require the docking of vessels which will necessitate a charge greater than \$50,000 per annum, the Secretary of the Navy is authorized to have said vessel docked at a rate of charge not greater than price stipulated in said contract.

* * * * *

BUREAU OF STEAM ENGINEERING.

ENGINEERING: For repairs, preservation, and renewal * * * of electric interior and exterior signal communications and all electrical appliances of whatsoever nature on board naval vessels, except range finders, battle order and range transmitters and indicators, and motors and their controlling apparatus used to operate machinery belonging to other bureaus; maintenance of coast signal service, including the purchase of land as necessary for sites for radio shore stations; equipage, supplies, and materials under the cognizance of the bureau required for the maintenance and operation of naval vessels, yard craft, ships' boats, and air craft; * * * instruments and apparatus, supplies, and technical books and periodicals necessary to carry on experimental and research work in radiotelegraphy at the naval radio laboratory: * * * *Provided*, That the sum to be paid out of this appropriation for the purchase of land for sites for radio shore stations shall not exceed \$50,000: *Provided further*, That the total expenditures under this appropriation at the naval radio laboratory shall not exceed \$5,000.

Engineering expenses, miscellaneous.

Radio laboratory.

* * * * *

Toward the purchase and preparation of necessary sites, purchase and erection of towers and buildings, and the purchase and installation of machinery and apparatus of high power radio stations (cost not to exceed \$1,000,000), to be located as follows: One in the Isthmian Canal Zone, one on the California coast, one in the Hawaiian Islands, one in American Samoa, one on the island of Guam, and one in the Philippine Islands, \$400,000, to be available until expended.

Radio stations.

The unobligated and unexpended balances of appropriation "Steam machinery" for the fiscal years nineteen hundred and twelve and nineteen hundred and thirteen, not exceeding in amount \$250,000, which were made available by the act of March fourth, nineteen hundred and

Heavy-oil engine, development of.

thirteen, for the development of a heavy-oil engine for one of the fuel ships provided by that act, shall be considered available for that purpose until June thirtieth, nineteen hundred and sixteen.

Bureau of
Equipment,
abolition of.

The Bureau of Equipment of the Navy Department is hereby abolished, and the duties assigned by law to that bureau shall be distributed among the other bureaus and offices of the Navy Department as herein provided, and all available funds heretofore appropriated for that bureau and such civil employees of that bureau as were heretofore authorized by law are hereby assigned and transferred to the other bureaus and offices as herein provided: *Provided*, That nothing herein shall be so construed as to authorize the expenditure of any appropriation for purposes other than those specifically provided by the terms of the appropriations heretofore and herein made.

NAVAL ACADEMY.

Naval Acad-
emy dairy, un-
expended bal-
ance for, reap-
propriated.

The unexpended balance of the appropriation for dairy, Naval Academy, Annapolis, Maryland, contained in the naval appropriation act approved March fourth, nineteen hundred and thirteen, is hereby made available for expenditure during the fiscal year ending June thirtieth, nineteen hundred and fifteen.

Midshipmen,
15 enlisted men
annually made
eligible for ap-
pointment as.

Hereafter in addition to the appointments of midshipmen to the United States Naval Academy as now prescribed by law, the Secretary of the Navy is allowed fifteen appointments annually from the enlisted men of the Navy who are citizens of the United States and not more than twenty years of age on the date of entrance to the Naval Academy, and who shall have served not less than one year as enlisted men on the date of entrance: *Provided*, That such appointments shall be made in the order of merit from candidates who have in competition with each other passed the mental examination now or hereafter required by law for entrance to the Naval Academy, and who passed the physical examination required before entrance under existing law.

MARINE CORPS.

Mileage.

Provided, That hereafter no mileage shall be paid to any officer where Government transportation is furnished such officer.

INCREASE OF THE NAVY.

Two battle-
ships.

That for the purpose of further increasing the Naval Establishment of the United States, the President is hereby authorized to have constructed two first-class

battleships carrying as heavy armor and as powerful armament as any vessel of their class, to have the highest practicable speed and greatest desirable radius of action, and to cost, exclusive of armor and armament, not to exceed \$7,800,000 each. One of the battleships hereby authorized shall be built and constructed at a Government navy yard.

Six torpedo-boat destroyers, to have the highest practicable speed, to cost, exclusive of armor and armament, not to exceed \$925,000 each.

Six torpedo-boat destroyers.

Eight or more submarines, one to be of seagoing type to have a surface speed of not less than twenty knots, seven or more to be of coast and harbor defense type; to cost not exceeding in the aggregate \$4,460,000, and the sum of \$1,825,000 is hereby appropriated for said purpose, to be available until expended. The appropriation made in the naval act approved March fourth, nineteen hundred and thirteen, "Wrecking pontoon: For construction or purchase of a testing and wrecking pontoon for submarines, to be available until expended, \$300,000," is hereby made available until expended for the construction of said eight or more submarine boats.

One submarine of seagoing type.

Seven or more submarines of coast and harbor defense type.

Three of the coast-defense submarine torpedo boats herein authorized shall be built on the Pacific coast: *Provided*, That the cost of construction on the Pacific coast does not exceed the cost of construction on the Atlantic coast, plus the cost of transportation from the Atlantic to the Pacific; and the Secretary of the Navy is requested to consider the advisability of stationing the four small submarine torpedo boats herein authorized on the coast of the United States in the Gulf of Mexico as a proper naval defense thereof.

Place of construction.

Hereafter there shall be charged against the several appropriations for the support of the Naval Establishment the overhead charges incident to upkeep and to industrial work at navy yards and stations. The total sum so charged shall be distributed in accordance with the work done in the various yards and stations in order that the cost of work may be determined.

Overhead charges, distribution of.

Except where otherwise directed, the Secretary of the Navy shall build any of the vessels herein authorized in such navy yards as he may designate, should it reasonably appear that the persons, firms, or corporations, or the agents thereof, bidding for the construction of any of said vessels have entered into any combination, agreement, or understanding the effect, object, or purpose of which is to deprive the Government of fair, open, and unrestricted competition in letting contracts for the construction of any of said vessels.

Navy yards, new ships may be built in.

CONSTRUCTION AND MACHINERY: On account of hulls and outfits of vessels and machinery of vessels heretofore and herein authorized, to be available until expended, \$17,647,617.

Construction and machinery.

Torpedo boats, to continue.

INCREASE OF THE NAVY; TORPEDO BOATS: On account of submarine torpedo boats heretofore authorized, to be available until expended, \$1,685,617.

Equipment.

INCREASE OF THE NAVY; EQUIPMENT: Toward the completion of equipment outfit of the vessels heretofore and herein authorized, to be available until expended, \$421,000.

Armor and armament.

INCREASE OF THE NAVY; ARMOR AND ARMAMENT: Toward the armor and armament for vessels heretofore, and herein authorized, to be available until expended, \$14,877,500.

Armor plant, committee to investigate advisability of establishing.

A committee is hereby appointed, to consist of the chairman of the Committee on Naval Affairs of the Senate and the chairman of the Committee on Naval Affairs of the House of Representatives, and one naval officer to be selected by the Secretary of the Navy to investigate and report at the next regular session of Congress upon the cost of erection of an armor plant to enable the United States to manufacture its own armor plate and special treatment steel, capable of standing all ballistic and other necessary tests required for use in vessels of the Navy, at the lowest possible cost to the Government, taking into consideration all of the elements necessary for the economical and successful operation of such a plant. Said report shall contain the estimated cost of a plant and site sufficient to accommodate a plant having an annual output capacity of twenty thousand tons, and also a plant having an output of ten thousand tons, and also an itemized statement of the estimated cost of the necessary buildings, machinery, and accessories for each, and the estimated annual cost and maintenance of each, and the estimated cost of the finished product.

Said committee is authorized to sit during the recess of Congress, to send for persons and papers, and to administer oaths.

The sum of \$5,000 is hereby appropriated, out of any money in the Treasury not otherwise appropriated, to pay the expenses of said committee, payable upon vouchers signed by the chairman of said committee.

Total increase of the Navy heretofore and herein authorized, \$36,456,734.

Government plants, use of, when practicable.

Of each of the sums appropriated by this act, except such amounts as may be required to meet obligations authorized in previous acts and for which contracts have been made, no part shall be used to procure through purchase or contract any vessels, armament, articles, or materials which the navy yards, gun factories, or other industrial plants operated by the Navy Department are equipped to supply, unless such Government plants are operated approximately at their full capacity for not less than one regular shift each working day, except when contract costs are less than costs in said Government plants, and except when said Government plants are un-

able to complete the work within the time required, and except in cases of emergency.

That no part of any sum herein appropriated shall be expended for the purchase of structural steel, ship plates, armor, armament, or machinery from any persons, firms, or corporations who have combined or conspired to monopolize the interstate or foreign commerce or trade of the United States, or the commerce or trade between the States and any Territory or the District of Columbia, in any of the articles aforesaid, and no purchase of structural steel, ship plates, or machinery shall be made at a price in excess of a reasonable profit above the actual cost of manufacture. But this limitation shall in no case apply to any existing contract.

Combination to monopolize trade, prohibition against.

That no part of any sum herein appropriated under "Increase of the Navy" shall be used for the payment of any clerical, drafting, inspection, or messenger service, or for the pay of any of the other classified force under the various bureaus of the Navy Department, Washington, District of Columbia.

Classified employees in bureaus not to be paid from "Increase of the Navy."

That no part of any sum appropriated by this act shall be used for any expense of the Navy Department at Washington, District of Columbia, unless specific authority is given by law for such expenditure.

Expenses of Navy Department, no part of, to be paid from sum appropriated by this act.

The President may, in his discretion, direct the sale, in such manner, at such price not less than the original cost price and upon such terms as he may deem proper, of the two battleships Idaho and Mississippi. All moneys received from the sale of said vessels shall be deposited by the Secretary of the Navy in the Treasury. After said sale, in addition to the two battleships hereinbefore authorized, the President is hereby authorized to have constructed a first-class battleship carrying as heavy armor and as powerful armament as any vessel of its class, to have the highest practicable speed and the greatest desirable radius of action, and to cost, exclusive of armor and armament, not to exceed \$7,800,000. Out of the money when so deposited in the Treasury there is hereby appropriated toward the construction of said battleship on account of "Increase of the Navy": "Construction and machinery," \$2,000,000; "Armor and armament," \$2,535,000; and "Equipment," \$100,000: *Provided*, That no vessel shall be sold under this authorization unless such sale, or the agreement therefor, shall have been made prior to July first, nineteen hundred and fifteen.

Idaho and Mississippi, sale of.

Proceeds of sale, battleship to be constructed from.

Approved, June 30, 1914.

SIXTY-THIRD CONGRESS, THIRD SESSION—MARCH 3, 1915.

[PUBLIC—No. 271.]

[H. R. 20975.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and sixteen, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings.]

PAY, MISCELLANEOUS.

* * * * *

Provides for expenses of purchasing paymasters' offices of the various cities, including clerks, furniture, fuel, stationery, and incidental expenses (hereafter subscriptions may be paid for in advance); care of library, including the purchase of books, photographs, prints, manuscripts, and periodicals. * * *

Miscellaneous.

There shall be a Chief of Naval Operations, who shall be an officer on the active list of the Navy appointed by the President, by and with the advice and consent of the Senate, from among the officers of the line of the Navy not below the grade of captain for a period of four years, who shall, under the direction of the Secretary of the Navy, be charged with the operations of the fleet, and with the preparation and readiness of plans for its use in war.

Chief of naval operations created and duties defined.

During the temporary absence of the Secretary and the Assistant Secretary of the Navy, the Chief of Naval Operations shall be next in succession to act as Secretary of the Navy. * * *

Provided, That the act "To authorize and provide for the disposal of useless papers in the executive departments," approved February sixteenth, eighteen hundred and eighty-nine, is hereby amended so that accumulations in the files of navy yards and naval stations that, in the judgment of the Secretary of the Navy, are not needed or useful in the transaction of current business and have no permanent value or historical interest may be disposed of by the Secretary of the Navy by sale, after advertisement for proposals as waste paper if practicable, or if not practicable then otherwise as may appear best for the interests of the Government, the said Secretary to make detailed report to the Congress in every case of the papers destroyed: *Provided always*, That no papers less than two years old from the date of the last indorsement thereon shall be destroyed or disposed of by the Secre-

Useless papers, disposal of.

tary of the Navy, except in the manner provided in said act of February sixteenth, eighteen hundred and eighty-nine.

Hereafter officers who now perform engineering duty on shore only and officers of the Construction Corps shall be eligible for any shore duty compatible with their rank and grade to which the Secretary of the Navy may assign them.

Aeronautics.

Aeronautics: The sum of \$1,000,000 is hereby reappropriated out of the unobligated balances of the appropriations "Construction and repair of vessels and steam machinery" for the fiscal year ending June thirtieth, nineteen hundred and fourteen, and made available for aeronautics, to be expended under the direction of the Secretary of the Navy.

**Advisory
committee for
aeronautics.**

An Advisory Committee for Aeronautics is hereby established, and the President is authorized to appoint not to exceed twelve members, to consist of two members from the War Department, from the office in charge of military aeronautics; two members from the Navy Department, from the office in charge of naval aeronautics; a representative each of the Smithsonian Institution, of the United States Weather Bureau, and of the United States Bureau of Standards; together with not more than five additional persons who shall be acquainted with the needs of aeronautical science, either civil or military, or skilled in aeronautical engineering or its allied sciences: *Provided*, That the members of the Advisory Committee for Aeronautics, as such, shall serve without compensation: *Provided further*, That it shall be the duty of the Advisory Committee for Aeronautics to supervise and direct the scientific study of the problems of flight, with a view to their practical solution, and to determine the problems which should be experimentally attacked, and to discuss their solution and their application to practical questions. In the event of a laboratory or laboratories, either in whole or in part, being placed under the direction of the committee, the committee may direct and conduct research and experiment in aeronautics in such laboratory or laboratories: *And provided further*, That rules and regulations for the conduct of the work of the committee shall be formulated by the committee and approved by the President.

That the sum of \$5,000 a year, or so much thereof as may be necessary, for five years is hereby appropriated, out of any money in the Treasury not otherwise appropriated, to be immediately available, for experimental work and investigations undertaken by the committee, clerical expenses and supplies, and necessary expenses of members of the committee in going to, returning from, and while attending, meetings of the committee; *Provided*, That an annual report to the Congress shall be submitted through the President, including an itemized statement of expenditures. * * *

Arming and equipping Naval Militia: \$250,000.

The President of the United States is hereby empowered to prepare a suitable medal of honor to be awarded to any officer of the Navy, Marine Corps, or Coast Guard who shall have distinguished himself in battle or displayed extraordinary heroism in the line of his profession. * * *

Naval Militia. Medal of honor, distinguished services.

Hurricane damages, American Samoa: For the relief of the inhabitants of American Samoa, to be immediately available, \$10,000. * * *

Hurricane damages, Samoa.

Recruiting: *Provided*, That hereafter no part of any appropriation for the naval service shall be expended in recruiting seamen, ordinary seamen, or apprentice seamen unless, in case of minors, a certificate of birth or a verified written statement by the parents, or either of them, or in case of their death a verified written statement by the legal guardian, be first furnished to the recruiting officer, showing applicant to be of age required by naval regulations, which shall be presented with the application for enlistment; except in cases where such certificate is unobtainable, enlistment may be made when the recruiting officer is convinced that oath of applicant as to age is credible; but when it is afterwards found, upon evidence satisfactory to the Navy Department, that recruit has sworn falsely as to age, and is under eighteen years of age at the time of enlistment, he shall, upon request of either parent, or, in case of their death, by the legal guardian, be released from service in the Navy, upon payment of full cost of first outfit, unless, in any given case, the Secretary, in his discretion, shall relieve said recruit of such payment. * * *

Recruiting.

Steaming exercises: Prizes, trophies, and badges for excellence in steaming exercises, to be awarded to the ships in commission for general efficiency and for economy in coal consumption, under such rules as the Secretary of the Navy may formulate, and for the purpose of classifying, compiling, and publishing the results of the competition, \$3,000.

Steaming exercises.

OUTFITS ON FIRST ENLISTMENT: * * * *Provided*, That hereafter the Secretary of the Navy is authorized to issue a clothing outfit to all enlisted men serving in their second enlistment who failed to receive an outfit of the value authorized by law on their first enlistment, or who, having received such outfit, were required to refund its value on account of discharge prior to expiration of enlistment: *Provided further*, That the net cost to the Government of clothing outfits furnished any one enlisted man shall not exceed \$60. * * *

Outfits on first enlistment.

BUREAU OF ORDNANCE.

* * * * *

Naval Proving Ground, Indianhead, Maryland: For machinery for extension of powder factory, to be available until expended, \$141,620.

Proving ground.

Torpedo station. TORPEDO STATION, NEWPORT, RHODE ISLAND: For the construction of a building for the storage of torpedoes, \$20,000.
 Building.

PUBLIC WORKS, BUREAU OF YARDS AND DOCKS.

- Boston.** NAVY YARD, BOSTON, MASSACHUSETTS: Paving, to continue, \$5,000; hot-water supply system, \$10,000; electric distributing system, extensions, \$10,000; in all, \$25,000.
- New York.** NAVY YARD, NEW YORK, NEW YORK: Yard railroad, extension and equipment, \$10,000; to complete construction of Pier C (cost not to exceed \$150,000), \$85,000.
- Philadelphia.** NAVY YARD, PHILADELPHIA, PENNSYLVANIA: Railroad system, extensions, \$10,000; distribution systems, extensions, \$10,000; paving, to continue, \$10,000; in all, \$55,000.
- Washington.** NAVY YARD, WASHINGTON, DISTRICT OF COLUMBIA: Fire-proof general storehouse (cost not to exceed \$225,000), to complete, \$125,000; railroad system, improvements and extensions, \$10,000; electric system, extensions, \$10,000; in all, \$145,000.
- Norfolk.** Navy yard, Norfolk, Virginia: Building for school, \$50,000; railroad system, extensions, \$15,000; disinfecting plant, \$15,000; for the construction of a building slip and equipment, \$50,000; in all, \$130,000.
- Charleston.** NAVY YARD, CHARLESTON, SOUTH CAROLINA: Paving and grading, to continue, \$10,000; to make dry and wet borings to determine water-front conditions for locating suitable piers, and slips, \$15,000; for the construction of building ways for constructing tugs, lighters, barges, and small naval auxiliary craft, \$50,000; in all, \$95,000.
- Key West.** Naval station, Key West, Florida: Dredging, to continue, \$5,000.
- Pensacola.** Naval station, Pensacola, Florida: For remodeling building fifty-two to fit it as a sick quarters and dispensary for use of United States Navy Aeronautic Station, \$15,000, reappropriated from unexpended appropriation act of March second, nineteen hundred and seven, for renewal of present naval hospital buildings, Pensacola, Florida.
- Mare Island.** NAVY YARD, MARE ISLAND, CALIFORNIA: Dredging and diking, to continue, \$20,000; railroad system, extensions, \$10,000; garbage crematory, \$7,500; improvements and extensions to distributing systems, \$15,000; oil storage, \$12,500; in all, \$65,000.
- Puget Sound.** NAVY YARD, PUGET SOUND, WASHINGTON: Railroad system, extensions, \$25,000; building slip for submarines, \$20,000; in all, \$60,000.
- Proving ground.** NAVAL PROVING GROUND, INDIANHEAD, MARYLAND: Toward extension of powder factory (cost not to exceed \$500,000), to complete public work features, \$158,380.
- Fort Mifflin.** Naval magazine, Fort Mifflin, Pennsylvania: One shell house, \$25,000; fixed ammunition storehouse, \$13,000; one magazine, \$13,000; reforming plant extension, \$7,000; railroad system, extension, \$6,000; in all, \$64,000.

Naval magazine, Saint Juliens Creek, Virginia: One shell house, \$20,000. St. Juliens Creek.

Naval magazine, Puget Sound, Washington: Shell house, \$15,000; two magazines, \$30,000; storage sheds, \$4,000; house on pier, \$2,000; pier extension, \$4,000; lightning protection, \$3,000; in all, \$58,000. Magazine, Puget Sound.

Depots for coal and other fuel: For additional fuel-oil storage at Melville, Rhode Island, \$40,000; additional fuel-oil storage at Norfolk, Virginia, \$90,000; fuel-oil storage at San Diego, California, \$40,000; fuel-oil storage at Puget Sound, Washington, \$80,000; fuel-oil storage at Mare Island, California, \$80,000; fuel-oil storage at Guantanamo Bay, Cuba, \$50,000; fuel-oil storage at Pearl Harbor, Hawaii, \$80,000. Depots for coal and other fuel.

Naval training station, San Francisco, California: Dredging and extension of wharf for receiving ship, \$15,000. Training station, San Francisco.

Naval Hospital, New York, New York: Three contagious-disease units, \$15,000. Hospital, New York.

That the appropriation of \$400,000 for erection on the Isthmus of Panama of barracks, quarters, and other buildings for accommodation of marines, contained in the act of March fourth, nineteen hundred and thirteen, is hereby reappropriated, and \$200,000 thereof made available for the erection of marine barracks at Mare Island, California and \$200,000 thereof made available for the erection of marine barracks at Norfolk, Virginia. * * * Marine barracks.

Total public works, navy yards, naval stations, naval proving grounds, and magazines, naval training station, San Francisco, naval hospital, New York, and depots for coal and other fuel, \$2,642,816, and the amounts herein appropriated for public works, except for repairs and preservation at navy yards and stations, shall be available until expended.

BUREAU OF MEDICINE AND SURGERY.

* * * Maintenance, repair and operation of two passenger-carrying vehicles for Naval Dispensary, Washington, District of Columbia, to be used only for official purposes. * * * Naval medical supply depots, sick quarters at Naval Academy and Marine Barracks; washing for medical department, Naval Medical School and Naval Dispensary, Washington; Naval medical supply depots, sick quarters at Naval Academy and Marine Barracks, dispensaries at navy yards and naval stations, and ships, and for minor repairs on buildings and grounds of the United States Naval Medical School and naval medical supply depots; * * *

TRANSPORTATION OF REMAINS: *Provided*, That no deduction shall hereafter be made from the six months' gratuity pay allowed under the naval act of August twenty-second, nineteen hundred and twelve, on account

of expenses of preparation and transportation of remains. * * *

BUREAU OF SUPPLIES AND ACCOUNTS.

Pay of the Navy. **PAY OF THE NAVY * * *:** Clerks to paymaster at yards and stations, general storekeepers ashore and afloat, and receiving ships and other vessels, \$320,520; two clerks to general inspectors of the Pay Corps, \$3,625; one clerk to pay officer in charge of deserters' rolls, \$2,000; not exceeding ten clerks to accounting officers at yards and stations, \$17,355; dental surgeon at Naval Academy, \$2,400; forty-eight thousand men, and for the pay of enlisted men detailed for duty with the Naval Militia, and the number of enlisted men shall be exclusive of those undergoing imprisonment with sentence of dishonorable discharge from the service at expiration of such confinement, \$200,000; not to exceed twenty in any one year, \$200,000; and three thousand five hundred apprentice seamen under training at training stations, and on board training ships, at the pay prescribed by law, \$742,560. * * *

Personnel act, section 9 repealed. Section nine of the naval personnel act of March third, eighteen hundred and ninety-nine, entitled, "An act to reorganize and increase the efficiency of the personnel of the Navy and Marine Corps of the United States," be, and the same is hereby, repealed.

Transfers from retired to active list. That the President be, and he is hereby, authorized, within two years of the date of the approval of this act, by and with the advice and consent of the Senate, to transfer to the active list of the Navy or Marine Corps any officer who may have been transferred from the active to the retired list of the Navy under the provisions of section nine of said personnel act: *Provided*, That such officer shall be transferred to the place on the active list which he would have held if he had not been retired and shall be carried as an additional number in the grade to which he may be transferred or at any time thereafter promoted: *Provided further*, That such officer shall stand a satisfactory physical and professional examination as now prescribed by law: *And provided further*, That any officer transferred to the active list shall not by the passage of this act be entitled to back pay or allowances of any kind.

Lieut. Col. Constantine M. Perkins, restored to active list. That the President of the United States be, and he is hereby, authorized to restore Constantine Marrast Perkins, now a lieutenant colonel on the retired list, to the active list of the Marine Corps, in the grade of colonel, to take rank in said grade next after George Barnett, who was the officer immediately above the said Constantine Marrast Perkins in the list of lieutenant colonels at the date said Constantine Marrast Perkins was retired from active service with the rank of lieutenant colonel: *Provided*, That the said Constantine Marrast Perkins

shall establish to the satisfaction of the Secretary of the Navy, by examination pursuant to law, his physical, mental, moral, and professional fitness to perform the duties of colonel: *Provided further*, That the said Constantine Marrast Perkins shall be carried, while on the active list, as additional to the number in the grade to which he may be advanced pursuant to this act until such time as a vacancy occurs in said grade: *And provided further*, That the said Constantine Marrast Perkins shall not, by the passage of this act, be entitled to any back pay or allowances.

Hereafter officers of the Navy and Marine Corps appointed student naval aviators, while lawfully detailed for duty involving actual flying in air craft, including balloons, dirigibles, and aeroplanes, shall receive the pay and allowances of their rank and service plus thirty-five per centum increase thereof; and those officers who have heretofore qualified, or may hereafter qualify, as naval aviators, under such rules and regulations as have been or may be prescribed by the Secretary of the Navy, shall, while lawfully detailed for duty involving actual flying in air craft, receive the pay and allowances of their rank and service plus fifty per centum increase thereof. Hereafter enlisted men of the Navy or Marine Corps, while detailed for duty involving actual flying in air craft, shall receive the pay, and the permanent additions thereto, including allowances, of their rating and service, or rank and service, as the case may be, plus fifty per centum increase thereof: *Provided*, That not more than a yearly average of forty-eight officers and ninety-six enlisted men of the Navy and twelve officers and twenty-four enlisted men of the Marine Corps, detailed for duty involving actual flying in air craft, shall receive any increase in pay while on duty involving actual flying in air craft, nor shall any officer in the Navy senior in rank to commander, nor any officer in the Marine Corps senior in rank to major, receive any increase in pay or allowances by reason of such detail or duty. * * *

All acts or parts of acts in so far as they are inconsistent with the provisions of this act are hereby repealed.

The Paymaster General of the Navy shall cause to be paid to Mrs. Connie Billingsley, mother of the late William D. Billingsley, ensign, United States Navy, an amount equal to six months' pay at the rate received by that officer at the date of his death, less not exceeding \$75, expenses of interment.

There is hereby established a United States naval reserve, which shall consist of citizens of the United States who have been or may be entitled to be honorably discharged from the Navy after not less than one four-year term of enlistment or after a term of enlistment during minority. The naval reserve shall be organized under the Bureau of Navigation and shall be governed by the Articles for the Government of the Navy and by the

Aviators,
pay of.

Naval Re-
serve, creation
of.

Naval Reserve, status of members of.

Naval Regulations and Instructions. Whenever actively employed with the Navy, or whenever employed in authorized travel to and from prescribed active duty with the Navy, its members shall be employed as members of the naval reserve and shall while so employed be held and considered to be in all respects in the same status as enlisted men of the Navy on active duty, except that they shall not be advanced in rating in time of peace. When not actively employed with the Navy, members of the naval reserve shall not be entitled to any pay, bounty, gratuity, or pension except the pay expressly provided for members of the naval reserve by the provisions of this act, nor shall they be entitled to retirement by reason of such service in the naval reserve.

Naval Reserve, enlistments in.

Enlistments in the naval reserve shall be made in the rating in which last honorably discharged from the Navy for a period of four years unless sooner discharged by competent authority. No man shall be first enlisted in the naval reserve after eight years from the date of his last discharge from the Navy nor unless he be found to be physically fit to perform the duties of the rating in which last discharged, nor shall any man whose last service in the Navy was terminated by any means other than by an honorable discharge be eligible for enlistment in the naval reserve. Reenlistments in the naval reserve shall be made under such regulations as may be prescribed by the Secretary of the Navy.

Enlistments in the naval reserve shall be made in two classes. Class one shall consist of those men who enlist in the naval reserve within four months from the date of their last honorable discharge from the Navy. Class two shall consist of those men who enlist in the naval reserve after four months and within eight years from the date of their last honorable discharge from the Navy.

Naval Reserve, transfers to.

In addition to the enlistments in the naval reserve above provided, the Secretary of the Navy is authorized to transfer to the naval reserve at the expiration of an enlistment any enlisted man of the Navy who may, after two years from the date of approval of this act, complete service in the Navy of sixteen, or twenty or more years and be entitled at the expiration of his enlistment to an honorable discharge. Such transfers shall only be made upon voluntary application and in the rating in which then serving, and the men so transferred shall be continued in the naval reserve until discharged by competent authority.

Naval Reserve, badge of.

Members of the naval reserve of class one and men transferred to the naval reserve shall be required to keep on hand such part of the uniform clothing outfit as may be prescribed by the Secretary of the Navy, and all members of the naval reserve shall be issued a distinctive badge or button which may be worn with civilian dress.

Naval Reserve, pay of.

Members of class one who have served less than eight years in the Navy shall be paid at the rate of \$30 per

annum, and those who have served eight or more years and less than twelve years in the Navy shall be paid at the rate of \$60 per annum and those who have served twelve or more years in the Navy, \$100 per annum. All members of the naval reserve of class two shall be paid at the rate of \$12 per annum, and when first called into active service on board a vessel of the Navy shall receive an allowance for an outfit of clothing not exceeding \$30 in value, to be expended under regulations prescribed by the Secretary of the Navy.

Members of the naval reserve who have when transferred to the naval reserve, completed service in the Navy of sixteen, or twenty or more years shall be paid at the rate of one-third, and one-half, respectively, of the base pay, plus permanent additions thereto, which they were receiving at the close of their last service in the Navy.

Members of the naval reserve may, in time of peace, be required to perform not less than one month's active service on board a vessel of the Navy, during each year of service in the naval reserve, and such active service shall not exceed two months in any one year: *Provided*, That the aforesaid active service with the Navy may be required at any time after entrance in the naval reserve. In time of war they may be required to perform active service with the Navy throughout the war, not to exceed the term of enlistment in the case of those enlisted in the naval reserve. Any pay which may be due any member of the naval reserve shall be forfeited when so ordered by the Secretary of the Navy upon the failure, under such conditions as may be prescribed by the Secretary of the Navy, of such man to report for muster and inspection.

Naval Reserve, service required of members of.

Those members of the naval reserve of class one, and those members who have been transferred to the naval reserve, who reenlist in the Navy within four months from the date of their discharge from the naval reserve, shall not be entitled to a gratuity of four months' pay, but their reenlistment in the Navy shall be held and considered to have been made within four months from the date of discharge from the Navy for the purpose of continuous-service pay. The period of time during which members of the naval reserve were actively employed with the Navy while enlisted in the naval reserve shall, for the purposes of retirement, be counted as active service in the Navy in the case of those who reenlist in the Navy after service in the naval reserve.

The Secretary of the Navy is authorized in time of war, or when, in the opinion of the President, war is threatened, to call any enlisted man on the retired list into active service for such duty as he may be able to perform. While so employed such enlisted men shall receive the same pay and allowances they were receiving when placed on the retired list: *Provided*, That enlisted men on the

Naval Reserve, enlisted men on retired list to active service.

retired list shall not be eligible for enlistment in or transfer to the naval reserve.

The sum of \$130,000 is hereby appropriated to carry into effect the foregoing provisions relating to a naval reserve.

Admiral and vice admiral, grades of, established.

That hereafter the commander in chief of the United States Atlantic Fleet, the commander in chief of the United States Pacific Fleet, and the commander in chief of the Asiatic Fleet, respectively, shall each, after being designated as such commander in chief by the President, and from the date of assuming command of such fleet until his relinquishment of such command, have the rank and pay of an admiral; and in each of the above-named fleets the officer serving as second in command thereof shall each, after being designated as such second in command by the President, and from the date of assuming duty as such second in command until his relinquishment of such duty, have the rank and pay of a vice admiral; and the grades of admiral and vice admiral in the Navy are hereby reestablished and authorized for the purposes of this section. The annual pay of an admiral shall be \$10,000, and of a vice admiral \$9,000: *Provided*, That in time of peace officers to serve as commander in chief and as second in command of the three said fleets shall be designated from among the rear admirals on the active list of the Navy: *Provided further*, That nothing herein contained shall create any vacancy in any grade in the Navy nor increase the total number of officers allowed by existing law, and that when an officer is detached from duty as such commander in chief or as such second in command, as above provided, he shall return to his regular rank in the list of rear admirals and shall thereafter receive only the pay and allowances of such regular rank.

Pay and allowances of.

Pay clerks, appointment of.

The title of paymaster's clerk in the United States Navy is hereby changed to pay clerk, and hereafter all pay clerks shall be warranted from acting pay clerks, who shall be appointed from enlisted men in the Navy holding acting or permanent appointments as chief petty officers who have served at least three years as enlisted men, at least two years of which service must have been on board a cruising vessel of the Navy. All appointments as acting pay clerks shall be made by the Secretary of the Navy, and all such appointees, in addition to the qualifications above set forth, must be citizens of the United States. All acting appointments herein provided for shall be made permanent under regulations established by the Secretary of the Navy: *Provided*, That paymasters' clerks now in the Navy whose total service as such is less than one year and who are citizens of the United States may, upon the passage of this act, be given appointments as acting pay clerks without previous service as enlisted men: *Provided further*, That paymasters' clerks now in the service and former paymasters' clerks

Previous service as enlisted men.

whose appointments have been revoked within six months next preceding the passage of this act, who have had not less than one year's actual service as such, and who are citizens of the United States, may, upon the passage of this act, be warranted as pay clerks without previous service as enlisted men or as acting pay clerks: *And provided further*, That pay clerks and acting pay clerks shall have the same pay, allowances, and other benefits as are now or may hereafter be allowed other warrant officers and acting warrant officers, respectively.

Pay and allowances.

That all pay clerks shall, after six years' service as such, be commissioned chief pay clerks and shall on promotion have the rank, pay, and allowances of chief boatswain: *Provided*, That in computing the six years' service herein provided for credit shall be given for all service in the Navy as pay clerk, acting pay clerk, and paymaster's clerk: *Provided further*, That paymasters' clerks now in the Navy and former paymasters' clerks whose appointments have been revoked within six months next preceding the passage of this act, who have had not less than six years' actual service as such, and who are citizens of the United States, may, upon the passage of this act, be commissioned as chief pay clerks without previous service as enlisted men, acting pay clerks, or pay clerks.

Chief pay clerks.

That the total number of chief pay clerks, pay clerks, and acting pay clerks allowed by this act shall not exceed one for each two hundred and fifty enlisted men in the United States Navy now or hereafter allowed by law, and such chief pay clerks, pay clerks, and acting pay clerks shall be assigned to duty with pay officers under such rules as the Secretary of the Navy may prescribe: *Provided*, That no person shall be appointed a chief pay clerk, pay clerk, or acting pay clerk under any provisions contained in this act until his physical, mental, moral, and professional qualifications have been satisfactorily established by examination before a board of examining officers appointed by the Secretary of the Navy, from officers of the pay corps when practicable and according to such regulations as he may prescribe: *Provided further*, That no person shall be appointed a chief pay clerk, pay clerk, or acting pay clerk unless his accumulated previous service in the Army, Navy, and Marine Corps, together with his possible future service prior to attaining the age of sixty-two years, will amount to at least thirty years, except that this proviso shall not apply to such persons as were serving in the Navy as paymasters' clerks during the period from September first, nineteen hundred and thirteen, to October thirty-first, nineteen hundred and thirteen.

Pay clerks, number of.

Appointment of.

Length of service.

That the limitation as to age contained in section thirteen hundred and seventy-nine of the Revised Statutes of the United States, relating to appointment of assistant paymasters in the United States Navy, shall not apply to chief pay clerks and pay clerks appointed under

Age.

the provisions of this act, who must be between the ages of twenty-one and thirty-five years at the time of appointment as assistant paymasters in the United States Navy: *Provided*, That this shall not be construed as giving any preference in said appointment of assistant paymasters to said chief pay clerks and pay clerks except as to the limitation of age.

That sections thirteen hundred and eighty-six, thirteen hundred and eighty-seven, and thirteen hundred and eighty-eight of the Revised Statutes, and all acts and parts of acts, so far as they are in conflict with the provision of this act, be, and the same are hereby repealed. * * *

Fuel and transportation.

Costs of naval colliers may be charged.

FUEL AND TRANSPORTATION: * * * *Provided*, That hereafter, when the lowest obtainable cost of transportation of fuel between the Atlantic and Pacific coasts of the United States by merchant carriers is considered excessive, the appropriation "Fuel and transportation" may be charged with the expense of pay, transportation, shipping, and subsistence of civilian officers and crews, and such other incidental expenses as can not be paid from other appropriations, of naval auxiliaries engaged in the transportation of fuel: *Provided*, That the appropriation "Maintenance of naval auxiliaries" is insufficient therefor.

BUREAU OF CONSTRUCTION AND REPAIR.

Construction and repair of vessels.

Assistant naval constructors, increase of.

CONSTRUCTION AND REPAIR OF VESSELS: * * * And the Secretary of the Navy is hereby authorized to make expenditures from appropriate funds under the various bureaus for repairs and changes on a submarine torpedo boat of the "E" type in a sum not to exceed \$100,000. * * *

Officers of the line of the Navy who have had not less than three years' service in the grade of ensign and have taken or are taking satisfactorily a post-graduate course in naval architecture under orders from the Secretary of the Navy shall be eligible for transfer to the grade of assistant naval constructor: *Provided*, That there shall not be more than five such transfers in any one calendar year and that the total increase in the number of naval constructors and assistant naval constructors by reason of such transfers shall not exceed twenty-four.

BUREAU OF STEAM ENGINEERING.

High-power radio stations.

* * * * *
High-power radio stations: Toward the purchase and preparation of necessary sites, purchase and erection of towers and buildings, and the purchase and installation of machinery and apparatus of high-power radio stations (cost not to exceed \$1,500,000), to be located as follows: One in the Isthmian Canal Zone, one on the California coast, one in the Hawaiian Islands, one in Ameri-

can Samoa, one on the island of Guam, and one in the Philippine Islands, \$400,000, to be available until expended.

NAVAL ACADEMY.

PAY OF PROFESSORS AND OTHERS, NAVAL ACADEMY: One professor of mathematics, one of mechanical drawing, one of English, one of French, and one of Spanish, at \$3,000 each. Organization, professors, instructors, classified service, pay of.

Three professors, namely, one of English, one of French, and one of Spanish, at \$2,640 each.

Five instructors, at \$2,400 each.

Four instructors, at \$2,160 each.

Ten instructors, at \$1,800 each.

* * * * *

DEPARTMENT OF ORDNANCE AND GUNNERY: One mechanic, \$960, and one at \$750; one armorer, \$660; one chief gunner's mate, \$540; three quarter gunners, at \$480 each; in all, \$4,350.

DEPARTMENTS OF ELECTRICAL ENGINEERING AND PHYSICS: One electrical machinist, at \$1,100; one electrical machinist, at \$1,000; two mechanics, at \$1,000 each; in all, \$4,100. * * *

DEPARTMENT OF MARINE ENGINEERING AND NAVAL CONSTRUCTION: * * * One draftsman, \$2,000.

COMMISSARY DEPARTMENT: * * * Four cooks, at \$600 each, and eight assistants, at \$300 each; * * * and one assistant, \$600; one head waiter, \$720; * * * two pantry men, at \$420 each; * * * one baker, \$600; and one assistant, \$420; * * * necessary waiters, at \$16 per month each, \$13,440; twenty-seven attendants, at \$300 each. * * *

Expenses of the Board of Visitors of the Naval Academy, being actual expenses while engaged upon duties as members of the board not to exceed \$5 a day and actual expenses of travel by the shortest mail routes, and for clerk hire, and other incidental and necessary expenses of the board, \$500. Board of Visitors, expenses of.

MARINE CORPS.

PAY, MARINE CORPS: For pay and allowances prescribed by law of officers on the active list, including clerks for assistant paymasters, five, \$980,799.50: *Provided*, That the increased compensation as now fixed by law for the Marine Corps for foreign shore service shall hereafter be paid to the officers and enlisted men of that corps while on sea duty, in the same manner and under the same conditions as is provided by the act approved May thirteenth, nineteen hundred and eight, for officers of the Navy. Pay. Officers on the active list.

For pay of officers prescribed by law, on the retired list: For three major generals, five lieutenant colonels, four second lieutenants. * * * Officers on the retired list.

Pay of enlisted men, active list: Pay of noncommissioned officers, musicians, and privates, as prescribed by list. Enlisted men on the active list.

law, and the number of enlisted men shall be exclusive of those undergoing imprisonment with sentence of dishonorable discharge from the service at the expiration of such confinement, and for the expenses of clerks of the United States Marine Corps traveling under orders: * * * *Provided*, That the number of gunnery sergeants heretofore authorized is increased by twenty; that the number of sergeants heretofore authorized is increased by twenty; that the number of corporals heretofore authorized is increased by seventy; and that the number of privates heretofore authorized is decreased by one hundred and ten. In all, \$2,932,764.05.

Enlisted men
on the retired
list.

For pay and allowances prescribed by law of enlisted men on the retired list: For six sergeants major, twenty-six gunnery sergeants, twenty-nine quartermaster sergeants, thirty-six first sergeants, seventy-one sergeants, twenty corporals, twenty first-class musicians, one trumpeter, and twenty-six privates. * * *

Civil force.
pay of.

PAY OF CIVIL FORCE: In the office of the major general commandant: One clerk, at \$1,400. * * *

In the office of the assistant quartermaster, Philadelphia, Pennsylvania, * * * in the quartermaster's department, for duty where their services are required, four clerks, at \$1,400 each. * * *

* * * * *

INCREASE OF THE NAVY.

Two battle-
ships.

That for the purpose of further increasing the Naval Establishment of the United States the President is hereby authorized to have constructed two first-class battleships, carrying as heavy armor and as powerful armament as any vessel of their class, to have the highest practicable speed and greatest desirable radius of action, and to cost, exclusive of armor and armament, not to exceed \$7,800,000 each.

Six torpedo-
boat destroy-
ers.

Six torpedo-boat destroyers, to have a speed of not less than thirty knots per hour and to cost, exclusive of armor and armament, not to exceed \$925,000 each.

Where built.

Provided, That three of said torpedo-boat destroyers herein authorized shall be built on the Pacific coast: *Provided further*, That the cost of construction on the Pacific coast does not exceed the cost of construction on the Atlantic coast plus the cost of transportation from the Atlantic to the Pacific.

Two seagoing
submarines.

Two submarines to be of seagoing type to have a surface speed of twenty-five knots or more if possible, but not less than twenty knots, to cost, exclusive of armor and armament, not exceeding \$1,500,000 each, and sixteen submarines to cost, exclusive of armor and armament, not exceeding \$550,000 each, and the sum of \$4,090,000 is hereby appropriated for said purposes to be available until expended.

Sixteen sub-
marines, coast
defense.

The following sums are hereby reappropriated out of the unobligated balances of the following appropriations

for the Naval Establishment for the fiscal year ending June thirtieth, nineteen hundred and fourteen:

“Equipment of vessels,” \$625,000; “Steam machinery,” \$175,000, and made available for the construction of the submarine torpedo boats herein authorized.

Five of the submarine torpedo boats herein authorized shall be built on the Pacific coast: *Provided*, That the cost of construction on the Pacific coast does not exceed the cost of construction on the Atlantic coast plus the cost of transportation from the Atlantic to the Pacific.

Where built.

One oil-fuel ship, to cost, exclusive of armor and armament, not to exceed \$1,140,000.

One oil-fuel ship.

The Secretary of the Navy shall build any of the vessels herein authorized in such navy yards as he may designate should it reasonably appear that the persons, firms, or corporations, or the agents thereof, bidding for the construction of any of said vessels have entered into any combination, agreement, or understanding the effect, object, or purpose of which is to deprive the Government of fair, open, and unrestricted competition in letting contracts for the construction of any of said vessels: *Provided*, That the Secretary of the Navy is hereby authorized to build any of the vessels herein authorized in such navy yards as he may designate.

May be built in navy yards.

CONSTRUCTION AND MACHINERY: On account of hulls and outfits of vessels and machinery of vessels heretofore and herein authorized, to be available until expended, \$20,664,459.

Construction and machinery.

INCREASE OF THE NAVY; TORPEDO BOATS: On account of submarine torpedo boats heretofore authorized, to be available until expended, \$1,341,344.

Torpedo boats.

INCREASE OF THE NAVY, EQUIPMENT: The unexpended balance on June thirtieth, nineteen hundred and fifteen, shall be transferred to appropriation “Increase of the Navy, construction and machinery,” and beginning with July first, nineteen hundred and fifteen, equipment outfits shall be charged to appropriation “Increase of the Navy, construction and machinery.”

Equipment.

INCREASE OF THE NAVY; ARMOR AND ARMAMENT: Toward the armor and armament for vessels heretofore and herein authorized, to be available until expended, \$18,957,998: *Provided*, That the committee appointed by the act of June thirtieth, nineteen hundred and fourteen (Public, numbered one hundred and twenty-one), is hereby continued to the regular session of Congress convening in December, nineteen hundred and fifteen, for the purpose of making such further investigation and report as may be deemed advisable.

Armor and armament.

Total increase of the Navy heretofore and herein authorized, \$45,053,801.

The Secretary of the Navy is hereby directed to submit to the next regular session of Congress a report on building four warships of the type, power, and speed which, in his judgment based on the knowledge gained from the prevailing war in Europe, are best suited for

Report to be submitted on building four warships and air craft.

war on the sea; also to report, in the light of that war, the value and uses in naval warfare of aeroplanes, dirigibles, balloons, and submarines.

Manufacture
within navy
yards.

Of each of the sums appropriated by this act, except such amounts as may be required to meet obligations authorized in previous acts and for which contracts have been made, no part shall be used to procure through purchase or contract any vessels, armament, articles, or materials, which the navy yards, gun factories, or other industrial plants operated by the Navy Department are equipped to supply, unless such Government plants are operated approximately at their full capacity for not less than one regular shift each working day, except when contract costs are less than costs in said Government plants, and except when said Government plants are unable to complete the work within the time required, and except in cases of emergency: *Provided*, That no part of the appropriations made in this act shall be available for the salary or pay of any officer, manager, superintendent, foreman, or other person having charge of the work of any employee of the United States Government while making or causing to be made with a stop watch or other time-measuring device a time study of any job of any such employee between the starting and completion thereof, or of the movements of any such employee while engaged upon such work; nor shall any part of the appropriations made in this act be available to pay any premium or bonus or cash reward to any employee in addition to his regular wages, except for suggestions resulting in improvements or economy in the operation of any Government plant.

Time-measur-
ing device for
gauging em-
ployee's time.

Conspiracy
to monopolize
trade.

That no part of any sum herein appropriated shall be expended for the purchase of structural steel, ship plates, armor, armament, or machinery from any persons, firms, or corporations who have combined or conspired to monopolize the interstate or foreign commerce or trade of the United States, or the commerce or trade between the States and any Territory or the District of Columbia, in any of the articles aforesaid, and no purchase of structural steel, ship plates, or machinery shall be made at a price in excess of a reasonable profit above the actual cost of manufacture. But this limitation shall in no case apply to any existing contract.

Classified
service.

That no part of any sum herein appropriated under "Increase of the Navy" shall be used for the payment of any clerical, drafting, inspection, or messenger service, or for the pay of any of the other classified force under the various bureaus of the Navy Department, Washington, District of Columbia.

That no part of any sum appropriated by this act shall be used for any expense of the Navy Department at Washington, District of Columbia, unless specific authority is given by law for such expenditure.

Approved, March 3, 1915.

SIXTY-FOURTH CONGRESS, FIRST SESSION—AUGUST 29, 1916.

PUBLIC—No. 241—64TH CONGRESS.

[H. R. 15947.]

AN ACT Making appropriation for the naval service for the fiscal year ending June thirtieth, nineteen hundred and seventeen, and for other purposes.

[Provision is made for the Naval Establishment, and under the headings —].

* * * * *

PAY, MISCELLANEOUS.

* * * hire of launches or other small boats in Asiatic waters; * * * expenses of naval defense districts; * * * information from abroad and at home, not exceeding \$50,000, and the collection and classification thereof; * * * for necessary expenses for the interned persons and prisoners of war under the jurisdiction of the Navy Department, including funeral expenses for such interned persons or prisoners of war as may die while under such jurisdiction; in all, \$915,000: *Provided*, That hereafter expenditures from the appropriation for obtaining information from abroad and at home shall be accounted for specifically, if, in the judgment of the Secretary of the Navy, they may be made public, and he shall make a certificate of the amount of such expenditures as he may think it advisable not to specify, and every such certificate shall be deemed a sufficient voucher for the sum therein expressed to have been expended: *Provided further*, That hereafter any civilian employee of the Navy Department who is a citizen of the United States and employed at any station outside the continental limits of the United States may, in the discretion of the Secretary of the Navy, after at least two years' continuous, faithful, and satisfactory service abroad, and subject to the interests of the public service, be granted accrued leave of absence, with pay, for each year of service, and if an employee should elect to postpone the taking of any or all of the leave to which he may be entitled in pursuance hereof such leave may be allowed to accumulate for a period of not exceeding four years, the rate of pay for accrued leave to be the rate obtaining at the time the leave is granted.

Hire of launches.
Expenses, naval defense districts.
Information from abroad and at home.
Expenses for interned persons and prisoners of war.

Expenditures in obtaining information.

Leave, insular employees.

Hereafter interned persons and prisoners of war, under the jurisdiction of the Navy Department, who are or may become insane, shall be entitled to admission for treatment to the Government Hospital for the Insane.

Insane interned persons and prisoners of war.

Rank and
title of Chief
of Naval Oper-
ations.

Hereafter the Chief of Naval Operations, while so serving as such Chief of Naval Operations, shall have the rank and title of admiral, to take rank next after The Admiral of the Navy, and shall, while so serving as Chief of Naval Operations, receive the pay of \$10,000 per annum and no allowances. All orders issued by the Chief of Naval Operations in performing the duties assigned him shall be performed under the authority of the Secretary of the Navy, and his orders shall be considered as emanating from the Secretary, and shall have full force and effect as such. To assist the Chief of Naval Operations in performing the duties of his office there shall be assigned for this exclusive duty not less than fifteen officers of and above the rank of lieutenant commander of the Navy or major of the Marine Corps: *Provided*, That if an officer of the grade of captain be appointed Chief of Naval Operations he shall have the rank and title of admiral, as above provided, while holding that position: *Provided further*, That should an officer, while serving as Chief of Naval Operations, be retired from active service he shall be retired with the lineal rank and the retired pay to which he would be entitled had he not been serving as Chief of Naval Operations.

Assistant to
Chiefs of Bu-
reaux of Yards
and Docks and
Construction
and Repair.

Hereafter an officer of the Corps of Civil Engineers may be detailed as assistant to the Chief of the Bureau of Yards and Docks and an officer of the Corps of Naval Constructors as assistant to the Chief of the Bureau of Construction and Repair; and, in case of death, resignation, absence, or sickness of the chief of bureau, shall, unless otherwise directed by the President, as provided by section one hundred and seventy-nine of the Revised Statutes, perform the duties of such chief until his successor is appointed or such absence or sickness shall cease; and hereafter an officer of the line of the Navy or Marine Corps may be detailed as assistant to the Judge Advocate General of the Navy, who shall, under similar conditions, perform the duties of the Judge Advocate General.

Hereafter such amount may be expended annually for pay of drafting, technical, and inspection force from the several lump sum appropriations in which specific authority for such expenditure is given, as the Secretary of the Navy may deem necessary within the limitation of appropriation provided for such service in said lump sum appropriations at such rates of compensation as the Secretary of the Navy may prescribe; and the Secretary of the Navy shall each year, in the annual estimates, report to Congress the number of persons so employed, their duties, and the amount paid to each.

* * * * *

Naval Con-
sulting Board.

For actual expenses incurred by and in connection with the civilian Naval Consulting Board, \$25,000.

FUEL OIL: For an investigation of fuel oil and gasoline adapted to naval requirements, including the ques-

tion of supply and storage and the availability economically and otherwise of such supply as may be afforded by the naval reserves on the public domain, and for the purchase of necessary instruments and appliances and the extension of the naval fuel-oil equipment plant at the navy yard, Philadelphia, Pennsylvania, and the temporary employment of civilian fuel-oil experts and assistants, \$60,000.

AVIATION: * * * including rigid dirigibles, * * * Aviation. Dirigibles. Classified employees.
Provided, That the sum to be paid out of this appropriation under the direction of the Secretary of the Navy for drafting, clerical, inspection, and messenger service for aircraft stations shall not exceed \$25,000.

ADVISORY COMMITTEE FOR AERONAUTICS: For traveling expenses of members and employees, \$2,000; two technical assistants, at \$2,500 each; one clerk, at \$1,500; one clerk, at \$1,000; one draftsman, at \$2,000; one draftsman, at \$1,000; two laborers, at \$660 each; three mechanics, at \$1,200 each; rent of office, \$1,200; supplies, \$7,800; special reports, \$5,000; movable combination field office, machine shop, dynamometer shed, hangar, and power plant, \$15,000; dynamometer carriage and truck, \$18,000; aeroplane, including motor, \$10,000; transmission dynamometer, \$1,000; ripograph, \$1,000; stabilizer, \$1,500; anemometers, barographs, inclinometers, incidence indicators, \$1,500; miscellaneous supplies, spare parts for operation of field plant, \$5,580; in all, \$85,000. Advisory committee for aeronautics.

ARMING AND EQUIPPING NAVAL MILITIA: * * * for prizes, trophies, and badges for excellence in gunnery exercises and target practice of the Naval Militia; * * * for retainer pay of officers and enlisted men, and traveling and other necessary expenses of the Naval Militia and National Naval Volunteers herein authorized, \$1,270,737.73. Pay for Naval Militia. Prizes; gunnery exercises.

For the purchase, repair, and alteration of a ship for the Naval Militia of Illinois, \$125,000; for the repair of the United States ship Topeka for the Naval Militia of Minnesota, \$165,000; in all, \$290,000. Naval ships. Militia.

STATE MARINE SCHOOLS: To reimburse the State and the city of New York, \$125,000, and the State of Massachusetts, \$125,000, for expenses incurred in the maintenance and support of marine schools in those States in accordance with section two of the Act entitled "An Act for the establishment of marine schools, and for other purposes," approved March fourth, nineteen hundred and eleven; in all, \$250,000. State schools. marine

* * * * *
 LEASE OF NAVAL LANDS: That authority be, and is hereby, given to the Secretary of the Navy, when in his discretion it will be for the public good, to lease for periods not exceeding five years and revocable at any time, such property of the United States under his con- Lease of naval lands.

trol as may not for the time being be required for public use and for the leasing of which there is no authority under existing law, and such leases shall be reported annually to Congress: *Provided*, That the authority herein granted shall not be held to apply to oil, mineral, or phosphate lands: *Provided further*, That all moneys received from such leases shall be covered into the Treasury as miscellaneous receipts.

BUREAU OF NAVIGATION.

* * * * *

Recruiting.

RECRUITING: * * * *Provided*, That any person who may hereafter enlist in the Navy for the first time shall, in time of peace, if he so elects, receive discharge therefrom without cost to himself during the month of June or December, respectively, following the completion of one year's service at sea. An honorable discharge may be granted under this provision; but when so granted shall not entitle the holder, in case of reenlistment, to the benefits of an honorable discharge granted upon completion of an enlistment: *And provided further*, That, at the time, he is not under charges, or undergoing

Discharge.

Postmasters procure enlistments.

punishment, or in debt to the Government: *Provided further*, That the President is authorized in his discretion to utilize the services of postmasters of the second, third, and fourth classes in procuring the enlistment of recruits for the Navy and the Marine Corps, and for each recruit accepted for enlistment in the Navy or the Marine Corps, the postmaster procuring his enlistment shall receive the sum of \$5.

* * * * *

Prizes. Gunnery exercises.

GUNNERY AND ENGINEERING EXERCISES: Prizes, trophies, and badges for excellence in gunnery, target practice, engineering exercises and for economy in coal consumption to be awarded under such rules as the Secretary of the Navy may formulate; for the purpose of printing, recording, classifying, compiling, and publishing the rules and results; for the establishment and maintenance of shooting galleries, target houses, targets and ranges; for hiring established ranges, and for transporting the civilian assistants and equipment to and from ranges, \$135,000.

* * * * *

Ordnance and ordnance stores.

ORDNANCE AND ORDNANCE STORES: * * * for the maintenance, repair, or operation of horse-drawn passenger-carrying vehicles, and one motor-propelled passenger-carrying vehicle, to be used only for official purposes at naval magazines, the naval proving ground, Indianhead, Maryland, and naval torpedo stations,

* * *

NAVAL MAGAZINE, LUGET SOUND, WASHINGTON: For the purchase of a light automobile for carrying passengers, to be used only for official purposes, \$600. Puget Sound magazine.

PROJECTILE PLANT: Toward the erection and equipment of a plant for the manufacture of projectiles, on a site to be selected by the President, including the employment of all necessary expert, drafting, and clerical assistance (to cost when completed not exceeding \$1,411,222), \$705,611, to be available until expended. Projectile plant.

ARMOR PLANT: The Secretary of the Navy is hereby authorized and directed to provide, either by the erection of a factory or by the purchase of a factory, or both, for the manufacture of armor for the vessels of the Navy; said factory or factories to have an annual capacity of not less than 20,000 tons of armor; to be located at a place or places approved by the General Board of the Navy, with especial reference to considerations of safety in time of war; and the sum of \$11,000,000 is hereby appropriated, out of any money in the Treasury not otherwise appropriated, to be immediately available, for the purposes of this paragraph. And if the United States owns no suitable site or sites, authority is hereby given to acquire by purchase, condemnation, or gift such site or sites as may be necessary. The expenditures for drafting, technical, expert, and clerical assistance necessary shall be paid from the appropriation herein made. Armor plant.

The Secretary of the Navy shall keep accurate and itemized account of the cost per ton of the product of such factory or factories and report the same to Congress in his annual report.

* * * * *
 BATTERIES FOR MERCHANT AUXILIARIES: For batteries for merchant auxiliaries (to cost not exceeding \$3,300,000), to be available until expended, \$1,650,000. Batteries, merchant auxiliaries.

* * * * *
 AIR COMPRESSORS FOR DESTROYERS: For the purchase and manufacture of air compressors and equipment for destroyers, \$195,000. Air compressors.

TORPEDO NETS FOR BATTLESHIPS: For the purchase and manufacture of torpedo nets and equipment, \$480,000. Torpedo nets.

RESERVE ORDNANCE SUPPLIES: For a reserve of ordnance supplies to be available until June thirtieth, nineteen hundred and eighteen, \$4,503,524. Ordnance.

* * * * *
 CONTINGENT BUILDING FUND: For minor extensions and improvements of public works under the cognizance of the Bureau of Ordnance, \$10,000. Contingent building fund.

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BUREAU OF YARDS AND DOCKS.

MAINTENANCE, BUREAU OF YARDS AND DOCKS: * * * Maintenance. *Provided further,* That hereafter worn-out motor-propelled

vehicles for the Naval Establishment may be exchanged as a part of the purchase price of new ones.

* * * * *

PUBLIC WORKS, BUREAU OF YARDS AND DOCKS.

- Portsmouth. NAVY YARD, PORTSMOUTH, NEW HAMPSHIRE: Toilet and locker facilities, \$3,000.
- Boston. NAVY YARD, BOSTON, MASSACHUSETTS: Additional air-compressor plant, \$37,500; dredging, to continue, \$10,000; ventilating system, \$5,000; toilet and locker facilities, \$12,000; in all, \$64,500.
- New York. NAVY YARD, NEW YORK, NEW YORK: * * * ventilating system, \$11,000; toilet and locker facilities, \$7,000; improvements to heating system, \$8,000; improvements to brass foundry, \$7,900; in all, \$108,900.
- Philadelphia. NAVY YARD, PHILADELPHIA, PENNSYLVANIA: Ventilating system, \$9,000; toilet and locker facilities, \$4,000; * * * dry dock (limit of cost, not exceeding \$3,500,000), \$500,000; in all, \$538,000.

For the purchase of ground adjoining Quartermaster's Depot, Marine Corps, Philadelphia, Pennsylvania, and the erection thereon of an addition to said depot, to cost, ground and building, not to exceed \$175,000.

NAVY YARD, WASHINGTON, DISTRICT OF COLUMBIA: Additional gun shop (to cost exclusive of equipment not exceeding \$600,000), \$200,000; fireproof model storage, \$65,000; fuel-oil storage, \$18,000; toilet and locker facilities, \$2,000; in all, \$285,000.

For the acquisition by purchase or condemnation of such lands in the vicinity of the navy yard, Washington, District of Columbia, as in the judgment of the Secretary of the Navy it shall be deemed necessary or expedient to acquire for additions to said navy yard, \$331,000, and in addition to said sum the unexpended balances of the appropriation in the Act of March third, nineteen hundred and seven (Thirty-fourth Statutes, page eleven hundred and eighty-seven), for a railroad bridge and track at the Washington Navy Yard, and of the appropriation in the Act of June twenty-fourth, nineteen hundred and ten (Thirty-sixth Statutes, pages six hundred and fifteen to six hundred and sixteen), authorizing the Secretary of the Navy to enter into an agreement with the Philadelphia, Baltimore and Washington Railroad Company for the construction of a track connection to the Washington Navy Yard, and the acquisition of land or property necessary in connection therewith, are hereby reappropriated and made available for the acquisition of such additional lands, and the several provisions of said Act of June twenty-fourth, nineteen hundred and ten, so authorizing the Secretary of the Navy to enter into said agreement, are hereby amended to read as follows: "The Secretary of the Navy is hereby authorized to enter into an agreement or agreements with such railroad company or com-

panies as he may deem proper for the purpose of establishing, maintaining, and operating a sufficient and satisfactory track connection or connections with the railroad track system of the Washington Navy Yard and as said system is now or may be hereafter established: *Provided*, That so much of said track connection or connections as can not be constructed over any right of way or property now or hereafter owned or occupied by such railroad company or companies shall be constructed wholly upon a suitable and satisfactory right of way to be provided by the United States, the title to which at all times remain in the United States: *Provided further*, That so far as may be consistent with the public interests said track connection or connections, with appurtenant turnouts and sidings, may be located and constructed in, upon, over, and through public grounds, space, and streets of the United States as the same are now or may be hereafter ascertained and established: *Provided further*, That the Secretary of the Navy is hereby authorized to acquire any part of the land or property necessary for said right of way by purchase or condemnation, and to secure the construction of the connections, sidetracks, turnouts, switches, and so forth, necessary to the proper operation of the yard system in connection with the said track connection or connections, and for the purpose of acquiring said right of way such part of the sums herein appropriated for additions to said navy yard as may be necessary are hereby made available: *Provided further*, That authority is hereby granted to the railroad company or companies, and its or their successors and assigns, entering into the agreement aforesaid, to construct, maintain, and operate a bridge and approaches thereto for such track connection across the Anacostia River, District of Columbia, at a point suitable to the interests of navigation to an available point within or in the vicinity of the said navy yard, in accordance with the provisions of the Act entitled 'An Act to regulate the construction of bridges over navigable waters,' approved March twenty-third, nineteen hundred and six: *Provided further*, That pending the completion of the track connection hereinbefore authorized and provided for the Philadelphia, Baltimore and Washington Railroad Company is hereby authorized to maintain its track connection with the said navy yard as at present existing and to continue the operation thereof under such rules and regulations as may be established by the Commissioners of the District of Columbia for the governance thereof: *Provided*, That within thirty days after the completion of the new track connection with the said navy yard hereinbefore authorized and provided for said Philadelphia, Baltimore and Washington Railroad Company shall, at its own expense, remove said existing track connection east of the west building line of Second Street east and restore and make the surface of the streets over and through which the

...and satisfactory to the Commissioners of the District of Columbia: *Provided further*, That Congress has the right to alter, amend, or repeal this Act": *Provided further*, That in the event that the Secretary of the Navy shall be unable to acquire the land or lands, or parcel or parcels thereof, necessary or expedient in his judgment for the purposes aforesaid at a price deemed by him to be reasonable, then and in that event he is hereby authorized and directed to acquire the same by condemnation proceedings in the Supreme Court of the District of Columbia, to be instituted upon his request by the Attorney General of the United States, and to be conducted in substantial accord with the provisions of the Act of Congress approved August twenty-third, eighteen hundred and ninety (Twenty-sixth Statutes, pages four hundred and twelve to four hundred and thirteen), providing a site for the enlargement of the Government Printing Office, which provisions are hereby made applicable to the proceedings for this purpose, and jurisdiction to hear and determine the same is hereby conferred upon the Supreme Court of the District of Columbia: *Provided further*, That the power and authority to acquire by purchase or condemnation, as the case may be, lands for the purposes aforesaid shall include the power and authority to purchase, condemn, or compensate for any wharves, bulkheads, structures, or other improvements upon any land, as well as any outstanding privately owned interests in the same, in the vicinity of the said navy yard deemed expedient for said additions within the area designated by the Secretary of the Navy that, though owned or claimed by the United States, is in the occupancy of private individuals, and the sums herein appropriated for are hereby made available for such purposes: *Provided further*, That upon the acquisition of the additional lands hereby authorized to be acquired all portions of public streets on which any squares acquired so abut and lying between the same, and all public alleys within said squares, together with such portions of streets and public alleys as lie between the present navy yard and the lands, or any part thereof, so acquired, are hereby abandoned and closed, and said portions of said streets and public alleys, together with the Government-owned land lying south of the north line of Potomac Avenue between the west boundary of the navy yard and the east line of Second Street east prolonged in a southerly direction, and such other Government-owned land along the water front of the Anacostia River lying between the east line of the said navy yard and the west line of Eleventh Street east prolonged in a southerly direction, shall be regarded as set apart and reserved for naval purposes: *Provided further*, That any balance not expended in said purchase or condemnation may be used toward improving the lands so added to the said navy yard and toward the extending of the railroad-track system thereof and connections

thereto: *Provided further*, That the Commissioners of the District of Columbia are authorized to lease, for periods not exceeding ten years, such portions of Potomac Avenue and P Street between One-half Street and First Street southeast, together with public reservation numbered two hundred and forty-seven, and such portion of First Street southeast as may in their judgment be not needed for public use, together with a water frontage of Potomac Avenue and said portion of First Street, east, as abuts the Anacostia River and all the land of the United States in the area lying between said streets and avenue and the Anacostia River, to Lewis E. Smoot, of Washington, District of Columbia, at a rental to be fixed by said commissioners: *Provided further*, That the said Lewis E. Smoot shall surrender to the Government of the United States his present leasehold on wharf property now held by him which is included in the land proposed to be added to the navy yard under the provision of this Act.

NAVY YARD, NORFOLK, VIRGINIA: Ventilating system, \$15,000; toilet and locker facilities, \$12,000; to complete one hundred and fifty ton crane, \$265,000; dry dock (limit of cost, not exceeding \$3,500,000), \$500,000; one structural shop (cost not to exceed \$1,000,000), \$400,000; salvage and tools, \$50,000; in all, \$1,242,000.

Norfolk.

The Secretary of the Navy is authorized to lease for a period not to exceed three years storage facilities in the vicinity of the navy yard, Norfolk, at an annual rental of not exceeding \$16,000, to be paid out of the appropriation "Pay, miscellaneous."

BUILDINGS AND GROUNDS, NAVAL ACADEMY: Sea wall, \$70,000.

MARINE RECRUITING STATION, PORT ROYAL, SOUTH CAROLINA: For a new building for the naval hospital and for necessary changes in existing buildings and equipments, \$15,000.

Port Royal.

NAVY YARD, CHARLESTON, SOUTH CAROLINA: * * * toilet and locker facilities, \$8,000; in all, \$20,000.

Charleston.

Dredging Cooper River, approach to navy yard, Charleston, South Carolina, \$175,000.

NAVY AERONAUTIC STATION, PENSACOLA, FLORIDA: To repair and reconstruct, where necessary, public works damaged by storm of July, nineteen hundred and sixteen, \$420,000.

Pensacola.

NAVAL STATION, NEW ORLEANS, LOUISIANA: To repair and reconstruct where necessary public works damaged in September, nineteen hundred and fifteen, by hurricane, \$150,000, and the accounting officers of the Treasury are hereby authorized to transfer from this appropriation to the appropriation "Naval station, New Orleans, Louisiana," made by joint resolution approved April twenty-fifth, nineteen hundred and fourteen, the amount heretofore expended therefrom for such repairs and reconstruction.

New Orleans.

Mare Island.

NAVY YARD, MARE ISLAND, CALIFORNIA: Maintenance of dikes and dredging, \$50,000; erecting shop, \$25,000; toilet and locker facilities, \$9,000; floating crane, revolving type (to cost not exceeding \$600,000), \$300,000; in all, \$384,000.

The Secretary of the Navy is hereby authorized to purchase two hundred and thirty-two acres of land on or near the Bay of San Diego, San Diego County, California, to be used for advance base, expeditionary and aviation purposes, to cost not exceeding \$250,000: *Provided*, That at the same time the city of San Diego, San Diego County, California, donates, free of encumbrance, to the United States Government a parcel of five hundred acres of adjoining tide lands of the Bay of San Diego, known as Dutch Flat, without cost to the United States Government for the purpose of establishing a naval base thereon.

Puget Sound.

NAVY YARD, PUGET SOUND, WASHINGTON: * * * toilet and locker facilities, \$3,000; in all, \$18,000.

Pearl Harbor.

NAVAL STATION, PEARL HARBOR, HAWAII: Dry dock, to continue, \$700,000.

Cayey, Porto Rico.

The following-described part of the military reservation of Henry Barracks, at Cayey, Porto Rico, is hereby transferred to and placed under the control and jurisdiction of the Navy Department for use for naval purposes:

That part of the military reservation of Henry Barracks known as Magazine Hill, comprising that portion of said reservation lying westerly of Las Lleras (quebrada) and south and east of the Cagnas and Guayama Roads, excepting a rectangular area in the northern extremity of said tract marked "Board Public Work," on the map of Henry Barracks prepared under the direction of Major H. C. Price, Porto Rico Regiment of Infantry, by Lieutenant Carlos M. Lopez, Porto Rico Regiment of Infantry, April twenty-seventh, nineteen hundred and fifteen, which land transferred to the Navy Department is shown in red on photostat copy of map bearing the legend "Henry Barracks, Cayey, Porto Rico. Map showing boundary lines of the original Spanish reservation and the present reservation as described in General Order Numbered Ninety-seven, War Department, July seventh, nineteen hundred and three, and General Order Numbered Thirty-one, War Department, February twenty-fourth, nineteen hundred and five. Compiled and corrected from existing maps under direction of Major H. C. Price, Porto Rico Regiment of Infantry, by Lieutenant Carlos M. Lopez, Porto Rico Regiment of Infantry, April twenty-seventh, nineteen hundred and fifteen," on file in the Navy Department; containing approximately fifty-nine acres, more or less.

Fords Island, Hawaii.

The following-described part of the naval reservation on Fords (Mokuumeume) Island, island of Oahu, Territory of Hawaii, as shown on brown print bearing the legend "Military and Naval Reservations adjacent to Honolulu Harbor, Office Quartermaster General, Decem-

ber, nineteen hundred and fifteen," on file in the Navy Department, is hereby transferred to and placed under the control and jurisdiction of the War Department for use for military purposes:

Beginning at a point marked by a concrete monument at the southeast corner of the land acquired by the United States from the John Li estate through condemnation proceedings, which point has the coordinates two hundred and thirty and one-tenth feet south and eighty-seven and two-tenths feet west from "Ford No. 5" (Ford No. 5 being marked by a galvanized pipe in a concrete monument stamped "U. S. 1911," established by the United States district engineer office, and having coordinates eight thousand five hundred and seventy and ninety-nine hundredths feet south and ten thousand and eighty-seven and sixty-four hundredths feet east from the Ewa Territorial trigonometric station); thence north twenty-three degrees twelve minutes east one hundred and seventy-seven feet, more or less; thence north sixteen degrees no minutes east sixty-six feet, more or less, to a point on the shore line at high-water mark; thence southerly along high-water mark to a point marked by a concrete monument that is, with reference to the point of beginning, south fifty-one degrees no minutes east seventy feet, more or less, the southwesterly boundary of the said tract being formed by the line joining said last-mentioned point on the high-water line with the point of beginning: *Provided*, That this transfer is in no manner to interfere with the right of the Navy Department to make such use of the shoals and islets extending in a northeasterly direction from Fords Island as the needs of the naval service may require: *Provided further*, That there may be established over said military reservation, at such place as may be agreed upon by the Secretary of the Navy and the Secretary of War, a right of way for the use of the Navy from the remaining portion of the naval reservation on Fords Island to the said shoals and islets.

NAVAL STATION, TUTUILA, SAMOA: Officers' quarters, Tutuila.
\$4,000.

NAVAL STATION, GUAM: Water-front improvements, Guam.
\$1,000.

GUNS AND MUNITIONS STORAGE: For the storage of Guns and
munitions stor-
age. naval magazines, navy yards, and stations; Navy Yard, Washington, District of Columbia, gun storage, \$23,000; Naval Magazine, Fort Mifflin, Pennsylvania, one magazine building, \$25,000; mine storage, \$25,000; Naval Magazine, Hingham, Massachusetts, one magazine building, \$21,600; one shell house, \$21,600; Naval Magazine, Iona Island, New York, detonating fuse house, \$2,000; two subsurface magazines, \$4,000; Naval Powder Depot, Lake Denmark, New Jersey, four subsurface magazines, \$6,000; naval magazine, Kuahua, Hawaii, magazine for explosive "D," \$3,000; naval mag-

- azine, Mare Island, California, shell house, \$19,200; naval magazine, Puget Sound, Washington, extension of fuze and primer house, \$2,500; Naval Magazine, Saint Juliens Creek, Virginia, storehouse, \$16,000; Naval Proving Ground, Indian Head, Maryland, soda storehouses, \$69,000; sulphur storehouses, \$18,500; cotton storehouses, \$19,000; Pacific Coast Torpedo Station, Keyport, Washington, magazine for war heads, \$5,000; in all, \$280,400.
- Naval magazine, Hingham. NAVAL MAGAZINE, HINGHAM, MASSACHUSETTS: Smokeless powder test building, \$1,300; quarters for guards, \$5,000; in all, \$6,300.
- Proving ground, Indian Head. NAVAL PROVING GROUND, INDIANHEAD, MARYLAND: Three powder dry houses, \$15,000; fire protection, \$38,000; for the construction of a foot-passenger bridge over Mattawoman Creek, Charles County, Maryland, for the exclusive use of the Government of the United States under such rules and regulations as may be prescribed by the Secretary of the Navy, \$25,000: *Provided*, That the said bridge shall be so constructed as not to interfere with the navigation of the said creek; fence around powder factory, \$28,000; in all, \$106,000.
- Fort Mifflin. NAVAL MAGAZINE, FORT MIFFLIN, PENNSYLVANIA: Office building, \$5,000.
- * * * *
- Keyport. NAVAL TORPEDO STATION, KEYPORT, WASHINGTON: Railroad system, \$5,000; one officer's quarters, \$6,000; in all, \$11,000.
- Kuahua. NAVAL MAGAZINE, KUAHUA, HAWAII: Surveillance test house, \$3,000; filling house for explosive D, \$2,000; in all, \$5,000.
- Mare Island. NAVAL MAGAZINE, MARE ISLAND, CALIFORNIA: Laboratory and testing building, \$3,000.
- Newport. NAVAL TORPEDO STATION, NEWPORT, RHODE ISLAND: Seaman gunners' quarters, \$105,000; sea wall and filling, \$36,000; in all, \$141,000.
- St. Juliens Creek. NAVAL MAGAZINE, SAINT JULIENS CREEK, VIRGINIA: Filling house, \$2,000; railroad system, \$12,500; locomotive house, \$3,500; for eighty-eight acres of additional land to be secured by purchase or condemnation or otherwise, as the Secretary of the Navy may direct, \$60,000, or so much thereof as may be necessary; in all, \$78,000.
- Puget Sound. NAVAL MAGAZINE, PUGET SOUND, WASHINGTON: Two filling houses, \$3,000; guardhouse, \$4,000; in all, \$7,000.
- Depots for coal. DEPOTS FOR COAL AND OTHER FUEL: For fuel storage at Guantanamo Bay, Cuba, Pearl Harbor, Hawaii, and Guam, \$460,000; for custody and care of naval petroleum reserves, \$10,000; * * * in all, \$500,000.
- NAVAL COALING STATION, MELVILLE, RHODE ISLAND: Improvements to water supply, including purchase of land, \$15,000.

The appropriation contained in the naval appropriation Act approved March third, nineteen hundred and fifteen, of \$20,000 for the construction of a building for the storage of torpedoes at the naval torpedo station,

Newport, Rhode Island, is hereby made available for expenditure for a like purpose at the naval cooling station, Melville, Rhode Island.

NAVAL HOSPITAL, CANACAO, PHILIPPINE ISLANDS: Six contagious-disease units, \$3,600. Naval hospitals.

NAVAL HOSPITAL, CHELSEA, MASSACHUSETTS: See wall, \$14,700.

NAVAL HOSPITAL, MARE ISLAND, CALIFORNIA: Mess hall, extension, \$15,000.

NAVAL HOSPITAL, NEWPORT, RHODE ISLAND: Three contagious wards, \$18,000.

MARINE BARRACKS, GUAM: Three officers' quarters, \$10,000.

EXPERIMENTAL AND RESEARCH LABORATORY: For laboratory and research work on the subject of gun erosion, torpedo motive power, the gyroscope, submarine guns, protection against submarine, torpedo and mine attack, improvement in submarine attachments, improvement and development in submarine engines, storage batteries and propulsion, aeroplanes and aircraft, improvement in radio installations, and such other necessary work for the benefit of the Government service, including the construction, equipment, and operation of a laboratory, the employment of scientific civilian assistants as may become necessary, to be expended under the direction of the Secretary of the Navy (limit of cost not to exceed \$1,500,000), \$1,000,000: *Provided*, That nothing herein shall be construed as preventing or interfering with the continuation or undertaking of necessary experimental work during the fiscal year ending June thirtieth, nineteen hundred and seventeen, as heretofore conducted under other appropriations: *Provided further*, That the Secretary of the Navy shall make detailed reports to the Congress not later than June thirtieth, nineteen hundred and seventeen, and annually thereafter, showing the manner in which all expenditures hereunder have been made. Experimental laboratory.

NAVAL TRAINING STATION, SAN FRANCISCO, CALIFORNIA: Water supply improvements, to be immediately available, \$32,475. Training station, San Francisco.

NAVAL HOSPITAL, NEW YORK, NEW YORK: Remodeling house numbered four, \$10,000.

* * * * *

The President is hereby authorized to appoint a commission of five officers of the Navy not below the rank of commander to investigate and report at the beginning of the next regular session of Congress if practicable, and if not, as soon thereafter as practicable, as to the necessity, desirability, and advisability of establishing an additional navy yard or naval station on the Pacific coast of the United States. And if such a navy yard or naval station be recommended as necessary and advisable, said report shall designate the most suitable site and the estimated cost thereof, together with a detailed statement of the reasons for such designation and the nature and scope Commission for additional navy yards or stations.

of the activities for naval purposes of such yard or station. In arriving at such designation the commission shall take into consideration all strategical and other military considerations as well as all industrial elements necessary for the economical and successful operation of such a yard or station, including local conditions as to labor and material. Said report shall also contain an estimated cost of the necessary buildings, shops, piers, sea walls, and equipment of said yard or station together with the estimated annual cost of maintenance thereof.

Said commission shall also investigate and report upon the necessity, desirability, and advisability of improving existing or establishing an additional navy yard or naval station on the Atlantic coast south of Cape Hatteras or on or near the United States coast of the Gulf of Mexico or in the Caribbean Sea of a character adequate for the proper naval defense of that portion of the country. Said report shall contain all the information of like character as directed in the preceding paragraph relating to the investigation and report as to the Pacific coast.

Said commission shall also investigate and report as to the necessity, desirability, and advisability of establishing submarine and aviation bases on the Atlantic, Gulf of Mexico, and Pacific coasts and other possessions of the United States, and as to the cost and location thereof:

Provided, That the sum of \$10,000 is hereby appropriated to defray the expenses of said commission, including drafting, technical and clerical assistance in the Navy Department or elsewhere.

Said commission shall also investigate and report as to the necessity, desirability, and advisability of abolishing any existing navy yard or naval station, and if such action is recommended, to report fully the reasons therefor and the advantages to be obtained thereby.

BUREAU OF MEDICINE AND SURGERY.

Medical partment. Contingent expenses.	De-	MEDICAL DEPARTMENT: * * * and toward the accumulation of a reserve supply of medical stores, \$921,740.
		CONTINGENT, BUREAU OF MEDICINE AND SURGERY: * * * purchase, maintenance, repair, and operation of two passenger-carrying motor vehicles for naval dispensary, Washington, District of Columbia, to be used only for official purposes; * * * care of grounds, * * * for the care, maintenance, and treatment of the insane of the Navy and Marine Corps on the Pacific coast, including supernumeraries held for transfer to the Government Hospital for the Insane; * * * <i>Provided</i> , That the Secretary of the Navy, in his discretion, may expend \$25,000 of said appropriation for the purchase of a dairy herd, land for pasturage, and erection of necessary buildings for the naval hospital at Las Animas, Colorado.

TRANSPORTATION OF REMAINS: * * * *Provided*, ^{Transportation of remains.} That no deduction shall hereafter be made from the six months' gratuity pay allowed under the naval Act of August twenty-second, nineteen hundred and twelve, on account of expenses for funeral, interment, or for expenses of preparation and transportation of the remains:
* * *

HOSPITAL CORPS.

Hereafter the authorized strength of the Hospital Corps of the Navy shall equal three and one-half per centum of the authorized enlisted strength of the Navy and Marine Corps, and shall be in addition thereto, and as soon as the necessary transfers or appointments may be effected the Hospital Corps of the United States Navy shall consist of the following grades and ratings: ^{Strength of.} Chief pharmacists, pharmacists, and enlisted men classified as chief pharmacists' mates; pharmacists' mates, first class; pharmacists' mates, second class; pharmacists' mates, third class; hospital apprentices, first class; and hospital apprentices, second class; such classifications in enlisted ratings to correspond respectively to the enlisted ratings, seaman branch, of chief petty officers; petty officers, first class; petty officers, second class; petty officers, third class; seamen, first class; and seamen, second class: *Provided*, That enlisted men of other ratings in the Navy and in the Marine Corps shall be eligible for transfer to the Hospital Corps, and men of that corps to other ratings in the Navy and the Marine Corps. ^{Grades and ratings.}

The President may hereafter, from time to time, appoint as many pharmacists as may be deemed necessary, from the rating of chief pharmacist's mate, subject to such moral, physical, and professional examinations and requirements as to length of service as the Secretary of the Navy may prescribe: *Provided*, That the pharmacists now in the Hospital Corps of the United States Navy or hereafter appointed therein in accordance with the provisions of this Act shall have the same rank, pay, and allowances as are now or may hereafter be allowed other warrant officers. ^{Pharmacists.}

Pharmacists shall, after six years from the date of warrant, be commissioned chief pharmacists after passing satisfactorily such examinations as the Secretary of the Navy may prescribe, and shall, when so commissioned, have the same rank, pay, and allowances as now or may hereafter be allowed other commissioned warrant officers: *Provided*, That the pharmacists at present in the service who have served or may hereafter serve six or more years in that grade shall be eligible for promotion to the grade of chief pharmacist upon satisfactorily passing the examinations provided for in this Act.

The Secretary of the Navy is hereby empowered to limit and fix the numbers in the various ratings.

Section three of an Act entitled "An Act to organize a Hospital Corps of the Navy of the United States; to define its duties and regulate its pay," approved June seventeenth, eighteen hundred and ninety-eight, be, and the same is hereby, repealed, and the pay, allowances, and emoluments of the enlisted men of the Hospital Corps shall be the same as are now, or may hereafter be, allowed for respective corresponding ratings, except the rating of turret captain of the first class in the seaman branch of the Navy: *Provided*, That the pay of the rating of the chief pharmacist's mate shall be the same as that now allowed for the existing rating of hospital steward.

Hospital and ambulance service with such commands and at such places as may be prescribed by the Secretary of the Navy, shall be performed by members of said corps, and the corps shall be a constituent part of the Medical Department of the Navy; and the enlisted men thereof shall be a part of the enlisted force provided by law for the Navy.

Officers and enlisted men of the Medical Department of the Navy, serving with a body of marines detached for service with the Army in accordance with the provisions of section sixteen hundred and twenty-one of the Revised Statutes, shall, while so serving, be subject to the rules and articles of war prescribed for the government of the Army in the same manner as the officers and men of the Marine Corps while so serving.

NAVAL DENTAL CORPS.

Dental Corps.

That the President of the United States is hereby authorized to appoint and commission, by and with the advice and consent of the Senate, dental surgeons in the Navy at the rate of one for each one thousand of the authorized enlisted strength of the Navy and Marine Corps, who shall constitute the Naval Dental Corps, and shall be a part of the Medical Department of the Navy. Original appointments to the Naval Dental Corps shall be probationary for a period of two years and may be revoked at any time during the probationary period by the President: *Provided*, That the rank of such officers of the same date of appointment among themselves at the end of said probationary period shall be determined by the recommendations of an examining board appointed by the Secretary of the Navy, which board shall conduct a competitive examination, based upon both service record and professional attainments, in accordance with such regulations as may be prescribed by the Secretary of the Navy, and the rank of such officers so determined shall be as of date of original appointment with reference to other appointments to the naval service: *Provided further*, That all appointees to the grade of dental surgeon shall be citizens of the United States between twenty-four and thirty years of age, and shall be

graduates of standard medical or dental colleges and trained in the several branches of dentistry, and who shall, before appointment, have successfully passed moral, physical, and professional examinations before medical and professional examining boards appointed by the Secretary of the Navy, and have been recommended for appointment by such boards.

Dental surgeons shall have the rank, pay, and allowances of lieutenants (junior grade) until they shall have completed five years' service. Dental surgeons of more than five but less than twenty years' service shall, subject to such examinations as the Secretary of the Navy may prescribe, have the rank, pay, and allowances of lieutenant. Dental surgeons of more than twenty years' service shall, subject to such examinations as the Secretary of the Navy may prescribe, have the rank, pay, and allowances of lieutenant commander: *Provided*, That the total number of dental surgeons with the rank, pay, and allowances of lieutenant commander shall not at any time exceed ten.

All officers now in the Dental Corps (including the officers appointed for temporary service) appointed under the provisions of the Act of August twenty-second, nineteen hundred and twelve, entitled "An Act making appropriations for the Naval Service for the fiscal year ending June thirtieth, nineteen hundred and thirteen, and for other purposes," and all officers now in active service appointed under the provisions of the Act of March fourth, nineteen hundred and thirteen, who were eligible for appointment to the Dental Corps under the provisions of said Act, shall be appointed dental surgeons in the Dental Corps without further examination and without regard to the age qualifications herein prescribed: *Provided*, That the officers so appointed shall not be subject to the provisions herein prescribed for probationary service for a period of two years: *Provided further*, That such officers shall, after appointment as herein prescribed, rank from date of commission and take seniority among themselves in the order of their original appointment by the Secretary of the Navy as shown on the Navy list on the date of approval of this Act: *And provided further*, That no dental surgeon appointed in accordance with the provisions of this Act who on original appointment to the Dental Corps was over forty years of age shall be eligible for retirement before he has reached the age of seventy years, except for physical disability incurred in the line of duty.

Dental surgeons who shall have lost numbers on the Navy list by sentence of court-martial or by failure upon examination for promotion shall be considered to have lost service accordingly for purposes of advancement in rank with increased pay and allowances.

Rank of—

DENTAL RESERVE CORPS.

Dental Reserve Corps.

That a Navy Dental Reserve Corps is hereby authorized to be organized and operated under the provisions of the Act approved August twenty-second, nineteen hundred and twelve, providing for the organization and operation of a Navy Medical Reserve Corps, and differing therefrom in no respect other than that the qualification requirements of the appointees shall be dental surgeons and graduates of reputable schools of medicine or dentistry instead of "reputable schools of medicine," and so many of said appointees may be ordered to temporary active service as the Secretary of the Navy may deem necessary to the health and efficiency of the personnel of the Navy and Marine Corps, provided the whole number of both Naval Dental Corps and Naval Dental Reserve Corps officers in active service shall not exceed in time of peace one to one thousand of the officers and enlisted men of the Navy and Marine Corps: *Provided*, That all officers now in the Navy Dental Reserve Corps shall be re-commissioned in the Navy Dental Reserve Corps provided in this Act, in the order of their original appointment in said Corps, and hereafter when ordered to active duty officers of the Medical Reserve Corps and officers of the Dental Reserve Corps shall receive promotion in rank in the respective Reserve Corps under the same relative conditions and provisions of active service as is provided in this Act for the Naval Dental Corps.

BUREAU OF SUPPLIES AND ACCOUNTS.

Pay of the Navy.

PAY OF THE NAVY: * * * commutation of quarters for officers on shore not occupying public quarters, including * * * pay clerks, * * * and hire of quarters for officers and enlisted men on sea duty at such times as they may be deprived of their quarters on board ship due to repairs or other conditions which may render them uninhabitable, \$3,000; * * * interest on deposits by men, \$12,000; pay of petty officers, seamen, landsmen, and apprentice seamen, including men in the engineers' force and men detailed for duty with the Fish Commission, sixty-eight thousand seven hundred men, and the President is hereafter authorized, whenever in his judgment a sufficient national emergency exists, to increase the authorized enlisted strength of the Navy to eighty-seven thousand men; and pay of enlisted men of the Hospital Corps, and for the pay of enlisted men detailed for duty with the Naval Militia, \$30,655,704.29; pay of enlisted men undergoing sentence of court-martial, \$225,000, and hereafter the number of enlisted men of the Navy shall be exclusive of those sentenced by court-martial to discharge; * * * and six thousand apprentice seamen * * * *Provided*, That the enlisted strength of the Navy authorized in this Act shall be

Authorized strength.

deemed to include all enlistments heretofore made during the calendar year which may have been in excess of the number authorized by law at the time: *Provided further*, That the designation of the rating of coal passer be changed to fireman, third class, and that of ordinary seaman to seaman, second class, without change of pay; and that the Bureau of Navigation be authorized under rules established for the advancement of other enlisted men, to advance printers to the ratings of printers, first class, and chief printer, which ratings are hereby authorized with same pay and increases allowed to yeomen, first class, and chief yeomen, respectively: *And provided further*, That the rating of storekeeper is hereby established in the artificer branch with the following rates of pay per month: Chief petty officer, \$50; petty officer, first class, \$40; petty officer, second class, \$35; petty officer, third class, \$30, subject to such increases of pay and allowances as are or may hereafter be authorized by law for the enlisted men of the Navy.

Hereafter in addition to the appointment of midshipmen to the United States Naval Academy, as now prescribed by law, the President is hereby allowed fifteen appointments annually instead of ten as now prescribed by law, and the Secretary of the Navy is allowed twenty-five appointments annually, instead of fifteen as now prescribed by law, the latter to be appointed from the enlisted men of the Navy who are citizens of the United States, and not more than twenty years of age on the date of entrance to the Naval Academy, and who shall have served not less than one year as enlisted men on the date of entrance: *Provided*, That such appointments shall be made in the order of merit from candidates who have in competition with each other passed the mental examination now or hereafter required by law for entrance to the Naval Academy, and who passed the physical examinations required before entrance under existing laws.

That hereafter the Secretary of the Navy is authorized to permit not exceeding four Filipinos, to be designated, one for each class, by the Governor General of the Philippine Islands, to receive instruction at the United States Naval Academy at Annapolis, Maryland: *Provided*, That the Filipinos undergoing instruction, as herein authorized, shall receive the same pay, allowances, and emoluments, to be paid out of the same appropriations, and shall be subject to the same rules and regulations governing admission, attendance, discipline, resignation, discharge, dismissal, and graduation as are authorized by law and regulation for midshipmen appointed from the United States, but the Filipino midshipmen herein authorized shall not be entitled to appointment to any commissioned office in the United States Navy by reason of their graduation from the Naval Academy.

Midshipmen,
appointment of,
by President,
By Secretary
of Navy.

COMMISSIONED PERSONNEL.

Commissioned
officers, number
of.

Hereafter the total number of commissioned officers of the active list of the line of the Navy, exclusive of commissioned warrant officers, shall be four per centum of the total authorized enlisted strength of the active list, exclusive of the Hospital Corps, prisoners undergoing sentence of discharge, enlisted men detailed for duty with the Naval Militia, and the Flying Corps: *Provided*, That the total number of commissioned line officers on the active list at any one time, exclusive of commissioned warrant officers, shall be distributed in the proportion of one of the grade of rear admiral to four in the grade of captain, to seven in the grade of commander, to fourteen in the grade of lieutenant commander, to thirty-two and one-half in the grade of lieutenant, to forty-one and one-half in the grades of lieutenant (junior grade) and ensign, inclusive: *Provided further*, That lieutenants (junior grade) shall have had not less than three years' service in that grade before being eligible for promotion to the grade of lieutenant.

Commissioned
officers of Staff
Corps.

The total authorized number of commissioned officers of the active list of the following staff corps, exclusive of commissioned warrant officers, shall be based on percentages of the total number of commissioned officers of the active list of the line of the Navy as follows:

Pay Corps, twelve per centum; Construction Corps, five per centum; Corps of Civil Engineers, two per centum; and that the total authorized number of commissioned officers of the Medical Corps shall be sixty-five one hundredths of one per centum of the total authorized number of the officers and enlisted men of the Navy and Marine Corps, including midshipmen, Hospital Corps, prisoners undergoing sentence of discharge, enlisted men detailed for duty with the Naval Militia, and the Flying Corps. Officers of the lower grades of the Medical Corps, Pay Corps, Construction Corps, and Corps of Civil Engineers shall be advanced in rank up to and including the rank of lieutenant commander with the officers of the line with whom or next after whom they take precedence under existing law: *Provided*, That all assistant surgeons shall from date of their original appointment take rank and precedence with lieutenants (junior grade): *Provided further*, That to determine the authorized number of officers in the various grades and ranks of the line and of the staff corps as herein provided, computations shall be made by the Secretary of the Navy semiannually, as of July first and January first of each year, and the resulting numbers in the various grades and ranks, as so computed, shall be held and considered for all purposes as the authorized number of officers in such various grades and ranks and shall not be varied between such dates.

Secretary to de-
termine author-
ized number of
officers.

The total number of commissioned officers of the active list of the following mentioned staff corps at any one time, exclusive of commissioned warrant officers, shall be distributed in the various grades of the respective corps as follows:

Medical Corps: One-half medical directors with the rank of rear admiral to four medical directors with the rank of captain, to eight medical inspectors with rank of commander, to eighty-seven and one-half in the grades below medical inspector: *Provided*, That hereafter appointees to the grade of assistant surgeon shall be between the ages of twenty-one and thirty-two at the time of appointment. Officers, Medical Corps.

Pay Corps: One-half pay directors with the rank of rear admiral to four pay directors with the rank of captain, to eight pay inspectors with the rank of commander, to eighty-seven and one-half in the grades below pay inspector. Pay Corps.

Construction Corps: One-half naval constructors with the rank of rear admiral to eight and one-half naval constructors with the rank of captain, to fourteen naval constructors with the rank of commander, to seventy-seven naval constructors and assistant naval constructors with rank below commander: *Provided*, That vacancies in the Construction Corps shall be filled in the manner now prescribed by law, at such annual rate as the Secretary of the Navy may prescribe: *Provided further*, That hereafter ensigns of not less than one year's service as such shall be eligible for transfer to the Construction Corps. Construction Corps.

Corps of Civil Engineers: One-half civil engineers with the rank of rear admiral to five and one-half civil engineers with the rank of captain, to fourteen civil engineers with the rank of commander, to eighty civil engineers and assistant civil engineers with the rank below commander. Corps of Civil Engineers.

Hereafter no further appointments shall be made to the Corps of Professors of Mathematics, and that corps shall cease to exist upon the death, resignation, or dismissal of the officers now carried in that corps on the active and retired lists of the Navy.

When there is an odd number of officers in the grade or rank of rear admiral in the line or in each corps, the lower division thereof shall include the excess in number, except where there is but one.

Whenever a final fraction occurs in computing the authorized number of any corps, grade or rank in the naval service, the nearest whole number shall be regarded as the authorized number: *Provided*, That at least one officer shall be allowed in each grade or rank.

For the purpose of determining the authorized number of officers in any grade or rank of the line or of the staff corps, there shall be excluded from consideration those officers carried by law as additional numbers, including staff officers heretofore permanently commis-

sioned with the rank of rear admiral, and nothing contained herein shall be held to reduce below that heretofore authorized by law the number of officers in any grade or rank in the staff corps.

Pay and allowances of officers.

Hereafter pay and allowances of officers in the upper half of the grade or rank of rear admiral, including the staff corps and including staff officers heretofore permanently commissioned with the rank of rear admiral, shall be that now allowed by law for the first nine rear admirals, and the pay and allowances of officers in the lower half of the grade or rank of rear admiral, including the staff corps, shall be that now allowed by law for the second nine rear admirals: *Provided*, That officers shall take rank in each staff corps according to the dates of commission in the several grades, excepting in cases where they have gained or lost numbers.

Hereafter chief boatswains, chief gunners, chief machinists, chief carpenters, chief sail makers, chief pharmacists, and chief pay clerks, on the active list with creditable records, shall, after six years from date of commission, receive the pay and allowances that are now or may hereafter be allowed a lieutenant (junior grade), United States Navy: *Provided*, That chief boatswains, chief gunners, chief machinists, chief carpenters, chief sail makers, chief pharmacists, and chief pay clerks, on the active list with creditable records, shall, after twelve years from date of commission, receive the pay and allowances that are now or may hereafter be allowed a lieutenant, United States Navy.

Warrant officers shall receive the same allowances of heat and light as are now or may hereafter be allowed an ensign, United States Navy.

Warrant officers shall be allowed such leave of absence, with full pay, as is now or may hereafter be allowed other officers of the United States Navy.

Promotions by selection.

Hereafter all promotions to the grades of commander, captain, and rear admiral of the line of the Navy, including the promotion of those captains, commanders, and lieutenant commanders who are, or may be, carried on the Navy list as additional to the numbers of such grades, shall be by selection only from the next lower respective grade upon the recommendation of a board of naval officers as herein provided.

The board shall consist of nine rear admirals on the active list of the line of the Navy not restricted by law to the performance of shore duty only, and shall be appointed by the Secretary of the Navy and convened during the month of December of each year and as soon after the first day of the month as practicable.

Each member of said board shall swear, or affirm, that he will, without prejudice or partiality, and having in view solely the special fitness of officers and the efficiency of the naval service, perform the duties imposed upon him as herein provided.

The board shall be furnished by the Secretary of the Navy with the number of vacancies in the grades of rear admiral, captain, and commander to be filled during the following calendar year, including the vacancies existing at the time of the convening of the board and those that will occur by operation of law from the date of convening until the end of the next calendar year, and with the names of all officers who are eligible for consideration for selection as herein authorized, together with the record of each officer: *Provided*, That any officer eligible for consideration for selection shall have the right to forward through official channels at any time not later than ten days after the convening of said board a written communication inviting attention to any matter of record in the Navy Department concerning himself which he deems important in the consideration of his case: *Provided*, That such communication shall not contain any reflection upon the character, conduct, or motives of or criticism of any officer: *Provided further*, That no captains, commanders, or lieutenant commanders who shall have had less than four years' service in the grade in which he is serving on November the thirtieth of the year of the convening of the board shall be eligible for consideration by the board: *Provided further*, That the recommendation of the board in the case of officers of the former Engineer Corps who are restricted by law to the performance of shore duty only and in that of officers who may hereafter be assigned to engineering duty only shall be based upon their comparative fitness for the duties prescribed for them by law. Upon promotion they shall be carried as additional numbers in grade.

The board shall recommend for promotion a number of officers in each grade equal to the number of vacancies to be filled in the next higher grade during the following calendar year: *Provided*, That no officer shall be recommended for promotion unless he shall have received the recommendation of not less than six members of said board: *Provided further*, That the increase in the number of captains herein authorized shall be made at the rate of not more than ten captains in any one year.

The report of the board shall be in writing signed by all of the members and shall certify that the board has carefully considered the case of every officer eligible for consideration under the provisions of this law, and that in the opinion of at least six of the members, the officers therein recommended are the best fitted of all those under consideration to assume the duties of the next higher grade, except that the recommendation of the board in the case of officers of the former Engineer Corps who are restricted by law to the performance of shore duty only, and in that of officers who may hereafter be assigned to engineering duty only, shall be based upon their comparative fitness for the duties prescribed for them by law.

Report to
President.

The report of the board shall be submitted to the President for approval or disapproval. In case any officer or officers recommended by the board are not acceptable to the President, the board shall be informed of the name of such officer or officers, and shall recommend a number of officers equal to the number of those found not acceptable to the President and if necessary shall be reconvened for this purpose. When the report of the board shall have been approved by the President, the officers recommended therein shall be deemed eligible for selection, and if promoted shall take rank with one another in accordance with their seniority in the grade from which promoted: *Provided*, That any officers so selected shall prior to promotion be subject in all respects to the examinations prescribed by law for officers promoted by seniority, and in case of failure to pass the required professional examination such officer shall thereafter be ineligible for selection and promotion. And should any such officer fail to pass the required physical examination he shall not be considered, in the event of retirement, entitled to the rank of the next higher grade.

On and after June thirtieth, nineteen hundred and twenty, no captain, commander, or lieutenant commander shall be promoted unless he has had not less than two years' actual sea service on seagoing ships in the grade in which serving or who is more than fifty-six, fifty, or forty-five years of age, respectively: *Provided*, That the qualification of sea service shall not apply to officers restricted to the performance of engineering duty only: *Provided further*, That captains, commanders, and lieutenant commanders who become ineligible for promotion on account of age shall be retired on a percentage of pay equal to two and one-half per centum of their shore-duty pay for each year of service: *Provided further*, That the total retired pay shall not exceed seventy-five per centum of the shore-duty pay they were entitled to receive while on the active list.

Age of retirement.

Except as herein otherwise provided, hereafter the age for retirement of all officers of the Navy shall be sixty-four years instead of sixty-two years as now prescribed by law.

Nothing contained in this Act shall be construed to reduce the rank, pay, or allowances of any officer of the Navy or Marine Corps as now provided by law.

OFFICERS FOR ENGINEERING DUTY ONLY.

Officers for engineering duty.

Officers of the line of the Navy not below the grade of lieutenant may, upon application, and with the approval of the Secretary of the Navy, be assigned to engineering duty only, and that when so assigned and until they reach the grade of commander, they shall perform duty as prescribed in section four of the Personnel Act approved March third, eighteen hundred and ninety-nine, and there-

after shore duty only as now prescribed for officers transferred to the line from the former engineer corps, except that commanders may be assigned to duty as fleet and squadron engineers: *Provided*, That when so assigned they shall retain their place with respect to other line officers in the grades they now or may hereafter occupy, and also the right to succession to command on shore in accordance with their seniority, and shall be promoted as vacancies occur subject to physical examination and to such examination in engineering as the Secretary of the Navy may prescribe: *Provided further*, That the number of officers so assigned in any one year shall be in accordance with the requirements of the service as determined by the Secretary of the Navy: *And provided further*, That the Secretary of the Navy is hereby authorized to appoint annually in the line of the Navy for a period of ten years following the passage of this Act, in the order of merit determined by such competitive examination as he may prescribe, thirty acting ensigns for the performance of engineering duties only. Persons so appointed must have received a degree of mechanical or electrical engineer from a college or university of high standing or be graduates of technical schools approved by the Secretary of the Navy, must have been found physically qualified by a board of medical officers of the Navy for the performance of the duties required, and must at the time of appointment be not less than twenty nor more than twenty-six years of age. Such appointments shall be for a probationary period of three years, and may be revoked at any time by the Secretary of the Navy.

Secretary to appoint ensigns for engineering duty.

Such acting ensigns shall, upon the completion of the probationary period of three years, of which two years shall have been spent on board cruising vessels and one year pursuing a course of instruction at the Naval Academy prescribed by the Secretary of the Navy, be commissioned in the grade of lieutenant of the junior grade after satisfactorily passing such examination as may be prescribed by the Secretary of the Navy, and having been recommended for promotion by the examining board and found physically qualified by a board of medical officers of the Navy.

Such officers shall thereafter be required to perform engineering duties only, and shall be eligible for advancement to the higher grades in the manner herein provided for line officers assigned to engineering duty only.

Hereafter no officer or enlisted man in the Navy or Marine Corps in active service who shall be absent from duty on account of sickness or disease resulting from his own intemperate use of drugs or alcoholic liquors, or other misconduct, shall receive pay for the period of such absence, the time so absent and the cause thereof to be ascertained under such procedure and regulations as may be prescribed by the Secretary of the Navy: *Provided*, That an enlistment shall not be regarded as com-

plete until the enlisted man shall have made good any time in excess of one day lost on account of sickness or disease resulting from his own intemperate use of drugs or alcoholic liquors, or other misconduct.

The Secretary of the Navy is hereby authorized to grant furlough without pay to enlisted men for a period covering the unexpired portion of their enlistment: *Provided*, That such furlough be granted under the same conditions and in lieu of discharge by purchase or by special order of the department. Enlisted men so furloughed shall be subject to recall in time of war or national emergency to complete the unexpired portion of their enlistment, and shall be in addition to the authorized number of enlisted men of the Navy.

Duty with Red
Cross.

Hereafter the authorized number of surgeons in the United States Navy be, and it is hereby, increased by one; and that hereafter the Secretary of the Navy be, and he is hereby, authorized to detail one or more officers of the Medical Corps of the United States Navy for duty with the Military Relief Division of the American National Red Cross.

The Secretary of the Navy is hereby authorized to cause to be paid to Mrs. Sophia Gompers, mother of the late William Gompers, seaman, United States Navy, \$176.40, being the amount equal to six months' pay at the rate received by that seaman at the date of his death, less expenses of interment.

That the Secretary of the Navy is hereby authorized and directed to cause to be paid to Mrs. Eliza Orr, mother of the late William Orr, fireman, United States Navy, an amount equal to six months' pay at the rate received by him at the date of his death, less expenses of interment.

No officer who, after having commanded a fleet in active commission, has been retired for age and whom, in the judgment of the Secretary of the Navy, the public interests make it necessary to retain for a time after said retirement and who is performing active duty as chairman of the executive committee of the General Board, shall, for the period so retained, suffer any reduction in the emoluments he was receiving at the time of his retirement: *Provided*, That hereafter any retired officer of the naval service who shall be detailed on active duty shall, while so serving, receive the active duty pay and allowances of the grade, not above that of lieutenant commander in the Navy or of major in the Marine Corps, that he would have attained in due course of promotion if he had remained on the active list for a period beyond the date of his retirement equal to the total amount of time during which he has been detailed on active duty since his retirement: *Provided*, That nothing herein shall be construed to reduce the pay of any retired officer on active duty whose retired pay exceeds the active duty pay and allowances for the grade of lieutenant commander.

Hereafter all commissioned officers of the active list of the Navy shall receive the same pay and allowances according to rank and length of service: *Provided*, That this provision shall not be construed to reduce the pay and allowances of commissioned warrant officers as herein authorized.

That the accounting officers of the United States Treasury are hereby authorized and directed to allow in the accounts of disbursing officers of the Navy all payments for telephones in Government quarters which have been disallowed under section seven of the Act of August twenty-third, nineteen hundred and twelve (Thirty-seventh Statutes, pages one and four hundred and fourteen), by decision of the Comptroller.

That the accounting officers of the United States Treasury are hereby authorized to credit to the account of Paymaster George R. Crapo, United States Navy, the sum of \$360, which amount was paid by the said Paymaster Crapo for a passenger-carrying vehicle for official use at the Naval Station, Key West, Florida, on September twenty-second, nineteen hundred and fourteen, under a mistake of law.

The Secretary of the Treasury is hereby authorized and directed to credit in the accounts of Passed Assistant Paymaster James C. Hilton, United States Navy, the sum of \$6,033.61, being the amount stolen from United States funds by a person or persons unknown and charged against the accounts of the said James C. Hilton, passed assistant paymaster, on the books of the Treasury Department.

The accounting officers of the Treasury are hereby authorized and directed to allow in the accounts of Paymaster T. D. Harris, United States Navy, credit for the full payment of the contract price made by him to James Morrow under contract of May twenty-ninth, nineteen hundred and nine, and to Carson, Pirie, Scott and Company, James Corse, N. H. Dow Manufacturing Company, The Snead and Company Iron Works, and Original Cabinet Company under contracts of March, nineteen hundred and eleven, pertaining to the naval training station, Great Lakes, Illinois.

That the President of the United States is hereby authorized to cause Ensign Harold Harrison Little, United States Navy, to be examined for promotion to the grade of lieutenant (junior grade), United States Navy, and subject to his successfully passing such reexamination to promote him to the grade of lieutenant (junior grade), to take place on the Navy list in such grade next after Lieutenant (Junior Grade) William G. Greenman, United States Navy, who was the officer immediately above the said Harold Harrison Little in the list of lieutenants (junior grade) at the date said Harold Harrison Little became due for promotion to the grade of lieutenant (junior grade), United States Navy: *Provided*, That

no back pay, allowances, or emoluments shall accrue by reason of the passage of this Act.

Hereafter Assistant Paymaster John D. P. Hodapp, United States Navy, shall be regarded as having been appointed as an assistant paymaster in the United States Navy on the same date as the officer now next above him in grade: *Provided*, That nothing herein shall be construed to entitle the said Assistant Paymaster John D. P. Hodapp, United States Navy, to any back pay, allowances, or other emoluments.

Section six of an Act entitled "An Act making appropriations for the legislative, executive, and judicial expenses of the Government for the fiscal year ending June thirtieth, nineteen hundred and seventeen, namely:" approved May tenth, nineteen hundred and sixteen, is hereby amended so as to read as follows:

"SEC. 6. That unless otherwise specially authorized by law, no money appropriated by this or any other Act shall be available for payment to any person receiving more than one salary when the combined amount of said salaries exceeds the sum of \$2,000 per annum, but this shall not apply to retired officers or enlisted men of the Army, Navy, Marine Corps, or Coast Guard, or to officers and enlisted men of the Organized Militia and Naval Militia in the several States, Territories, and the District of Columbia: *Provided*, That no such retired officer, officer, or enlisted man shall be denied or deprived of any of his pay, salary, or compensation as such, or of any other salary or compensation for services heretofore rendered, by reason of any decision or construction of said section six."

NAVAL FLYING CORPS.

Naval
Corps.

Flying

The Naval Flying Corps shall be composed of one hundred and fifty officers and three hundred and fifty enlisted men, detailed, appointed, commissioned, enlisted, and distributed in the various grades, ranks, and ratings of the Navy and Marine Corps as hereafter provided. The said number of officers, student flyers, and enlisted men shall be in addition to the total number of officers and enlisted men which is now or may hereafter be provided by law for the other branches of the naval service.

The number of officers detailed to duty in aircraft involving actual flying in any one year shall be in accordance with the requirements of the Air Service as determined by the Secretary of the Navy: *Provided*, That the officers so detailed from the line of the Navy and from the Marine Corps shall not exceed the total number herein prescribed for the Naval Flying Corps: *Provided further*, That the proportion of line officers of the Navy and of the Marine Corps thus detailed shall be the same as the proportion established for the regular services: *And provided further*, That the student flyers hereinafter provided

for shall be in addition to the officers and enlisted men comprising the Naval Flying Corps.

The officers detailed and the enlisted men of the Naval Flying Corps shall receive the same pay and allowances that are now provided by law for officers and enlisted men of the same grade or rank and rating in the Navy and Marine Corps detailed to duty with aircraft involving actual flying. Pay and allowances of.

The Secretary of the Navy is hereby authorized to appoint annually in the line of the Navy and the Marine Corps for a period of two years following the passage of this Act, in order of merit as determined by such competitive examinations as he may prescribe, fifteen acting ensigns or acting second lieutenants for the performance of aeronautic duties only. Persons so appointed must be citizens of the United States, and may be appointed from warrant officers or enlisted men of the naval service or from civil life, and must, at the time of appointment, be not less than eighteen or more than twenty-four years of age: *Provided*, That no person shall be so appointed until he has been found physically qualified by a board of medical officers of the Navy for the performance of the duties required: *Provided further*, That the number of such appointments to the line of the Navy and of the Marine Corps shall be in the proportion decided for the regular services. Such appointments shall be for a probationary period of three years and may be revoked at any time by the Secretary of the Navy. Secretary to appoint 15 acting ensigns.

Such acting ensigns and acting second lieutenants shall be detailed to duty in the Naval Flying Corps in aircraft involving actual flying.

Such acting ensigns of the Navy and acting second lieutenants of the Marine Corps shall, upon completion of the probationary period of three years, be appointed acting lieutenants of the junior grade, or acting first lieutenants, respectively, by the Secretary of the Navy for the performance of aeronautic duties only, after satisfactorily passing such examinations as he may prescribe, and after having been recommended for promotion by the examining board and found physically qualified by a board of medical officers of the Navy. Such appointments shall be for a probationary period of four years and may be revoked at any time by the Secretary of the Navy. Appointment of officers, Flying Corps.

Such acting lieutenants (junior grade) and acting first lieutenants may elect to qualify for aeronautic duty only or to qualify for all the duties of officers of the same grade in the Navy and in the Marine Corps, respectively. Those officers who elect to qualify for aeronautic duty only shall be detailed to duty in the Naval Flying Corps involving actual flying in aircraft. Those officers who elect to qualify for the regular duties of their grade shall be detailed to duty in the regular service for at least two years to allow them to prepare for such qualification.

Such acting lieutenants (junior grade) and acting first lieutenants who have elected to qualify for aeronautic duty only shall, upon completion of the probationary period of four years, be commissioned in the grade of lieutenant of the line of the Navy or captain of the Marine Corps for aeronautic duties only, after satisfactorily passing such competitive examination as may be prescribed by the Secretary of the Navy to determine their moral, physical, and professional qualifications for such commissions and the order of rank in which they shall be commissioned. Such lieutenants for aeronautic duty only shall be borne on the lists as extra numbers, taking rank with and next after officers of the same date of commission.

Such acting lieutenants (junior grade) and acting first lieutenants who have elected to qualify for the regular duties of the line of the Navy and of the Marine Corps, respectively, shall, upon completion of the probationary period of four years, two years of which shall have been on such regular duties, be commissioned in the grade of the line of the Navy or Marine Corps according to his length of service, after passing satisfactorily such competitive examinations as may be prescribed by the Secretary of the Navy to determine their moral, physical, and professional qualifications for such commissions and to determine the order of rank in which they shall be commissioned. Such officers of the line of the Navy and Marine Corps will be borne upon the lists of their respective corps as extra numbers, taking rank with and next after officers of the regular services of the same date of commissions.

Acting lieutenants (junior grade) of the line of the Navy for aeronautic duties only and acting first lieutenants of the Marine Corps for aeronautic duty only who have completed the probationary period of four years may, upon examination for commissions to the next higher grade, if recommended by the board of examination, be transferred to the Naval Reserve Flying Corps and commissioned in the same grade or the next higher grade as may be recommended in accordance with their qualifications as determined by the examination: *Provided*, That at any time during such probationary period any such officer can, upon his own request, if his record warrants it, be transferred to the Naval Reserve Flying Corps and commissioned in the acting grade he then holds. Any officer of the Naval Flying Corps holding an appointment of student flyer or acting ensign, second lieutenant, lieutenant (junior grade), or first lieutenant, who, upon examination for promotion, is found not qualified shall, if not recommended by the examining board for transfer to the Naval Reserve Flying Corps, be honorably discharged from the naval service.

Officers commissioned for aeronautic duty only shall be eligible for advancement to the higher grades, not above

captain in the Navy or colonel in the Marine Corps, in the same manner as other officers whose employment is not so restricted, except that they shall be eligible to promotion without restriction as to sea duty, and their professional examinations shall be restricted to the duty to which personally assigned: *Provided*, That any such officer must serve at least three years in any grade before being eligible to promotion to the next higher grade.

Nothing in this Act shall be so construed as to prevent the detail of officers and enlisted men of other branches of the Navy as student aviators or student airmen in such numbers as the needs of the service may require.

Such officers and enlisted men, while detailed as student aviators and student airmen involving actual flying in aircraft, shall receive the same pay and allowances that are now provided by law for officers and enlisted men of the same grade or rank and rating in the Navy detailed for duty with aircraft.

Pay of airmen.

The Secretary of the Navy is hereby authorized to appoint annually for a period of four years, from enlisted men of the naval service, or from citizens of the United States in civil life, not to exceed thirty student flyers for instruction and training in aeronautics who shall receive the same pay and allowances as midshipmen at the United States Naval Academy: *Provided*, That persons so appointed must, at the time of appointment, be not less than seventeen or more than twenty-one years of age: *Provided further*, That no person shall be appointed a student flyer until he shall have qualified therefor by such examination as may be prescribed by the Secretary of the Navy.

Student flyers.

The appointment of student flyers shall continue in force for two years, unless sooner revoked by the Secretary of the Navy, in his discretion, and at the end of such period student flyers shall be examined for qualification as qualified aviators: *Provided*, That if such student flyers are not qualified, their appointment will be revoked, or, if recommended by the examining board, they shall be transferred to the Naval Reserve Flying Corps and commissioned as ensigns therein.

Student flyers shall, after receiving a certificate of qualification as an aviator for actual flying in aircraft, rank with midshipmen and shall receive the same pay and allowances as midshipmen, plus fifty per centum thereof: *Provided*, That student flyers who have qualified as aviators under the provisions of this Act shall be commissioned acting ensigns for aeronautic duties only, after three years' service: *Provided further*, That they shall have been examined by a board of officers of the Naval Flying Corps to determine by a competitive examination prescribed by the Secretary of the Navy their moral, physical, and professional fitness and the order of rank in which they shall be commissioned: *And provided further*, That any student flyer qualified as an aviator

may at any time, in the discretion of the Secretary of the Navy, if his record warrants it, at his own request, be transferred to the Naval Reserve Flying Corps and be commissioned as ensign therein: *And provided further*, That student flyers not considered qualified for commissions as acting ensigns for aeronautic duties only may, upon recommendation of the examining board, be transferred to the Naval Reserve Flying Corps and be commissioned as ensigns therein.

Aeronautic schools.

The Secretary of the Navy is hereby authorized to establish aeronautic schools for the instruction and training of student flyers and prescribe the course of instruction and qualifications for certificate of graduation as a qualified aviator.

Nothing in this or any other Act shall be so construed as to prevent the temporary detail of officers and enlisted men of any branch of the Navy for duty with aircraft.

Pay in case of accident or death.

In the event of the death of an officer or enlisted man or student flyer of the Naval Flying Corps from wounds or disease, the result of an aviation accident, not the result of his own misconduct, received while engaged in actual flying in or in handling aircraft, the gratuity to be paid under the provisions of the Act approved August twenty-second, nineteen hundred and twelve, entitled "An Act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and thirteen, and for other purposes," shall be an amount equal to one year's pay at the rate received by such officer or enlisted man or student flyer at the time of the accident resulting in his death. In all cases where an officer or enlisted man or student flyer of the Navy or Marine Corps dies, or where a student flyer or an enlisted man of the Navy or Marine Corps is disabled by reason of any injury received or disease contracted in line of duty, the result of an aviation accident, received while employed in actual flying in or in handling aircraft, the amount of pension allowed shall be double that authorized to be paid should death or the disability have occurred by reason of an injury received or disease contracted in line of duty not the result of an aviation accident.

Student flyers and the acting ensigns and acting lieutenants (junior grade) and acting second and first lieutenants for aeronautic duties only provided for herein shall be subject to the laws and regulations and orders for the government of the Navy, but shall not be entitled to retirement or retired pay.

The enlisted personnel of the Naval Flying Corps shall be distributed by the Secretary of the Navy in the various ratings as now obtain in the Navy in so far as such ratings are applicable to duties connected with aircraft.

Within the first two years after the approval of this Act enlisted men may be transferred from other branches of the Naval Service to the Naval Flying Corps, under regulations established by the Secretary of the Navy gov-

erning such transfer and the qualifications for this corps: *Provided*, That the number so transferred shall not exceed one-half the total number of enlisted men allowed by this Act.

The Secretary of the Navy shall establish regulations governing the term of enlistment, the qualifications, and advancement of the enlisted men of the Flying Corps.

Any enlisted man who passes satisfactorily the prescribed examination and is recommended by a board of officers may be appointed a student flyer as herein provided.

ADMINISTRATION OF JUSTICE.

Hereafter all officers of the Navy and Marine Corps who are authorized to order either general or summary courts-martial may order deck courts upon enlisted men under their command, and shall have the same authority to inflict minor punishments as is conferred by law upon the commander of a naval vessel.

Deck courts.

Summary courts-martial may be ordered upon enlisted men in the naval service under his command by the commanding officer of any brigade, regiment, or separate or detached battalion, or other separate or detached command, and, when empowered by the Secretary of the Navy, by the commanding officer or officer in charge of any command not specifically mentioned in the foregoing: *Provided*, That when so empowered by the Secretary of the Navy to order summary courts-martial, the commanding officer of a naval hospital or hospital ship shall be empowered to order such courts and deck courts, and inflict the punishments which the commander of a naval vessel is authorized by law to inflict, upon all enlisted men of the naval service attached thereto, whether for duty or as patients.

Court-martial.

No sentence of a summary court-martial shall be carried into execution until the proceedings and sentence have been approved by the officer ordering the court, or his successor in office, and by his immediate superior in command: *Provided*, That if the officer ordering the court, or his successor in office, be the senior officer present, such sentence may be carried into execution upon his approval thereof.

When empowered by the Secretary of the Navy, general courts-martial may be convened by the commanding officer of a squadron, of a division, of a flotilla, or of a larger naval force afloat, and of a brigade or larger force of the naval service on shore beyond the continental limits of the United States: *Provided*, That in time of war, if then so empowered by the Secretary of the Navy, general courts-martial may be convened by the commandant of any navy yard or naval station, and by the commanding officer of a brigade or larger force of the Navy or Marine Corps on shore not attached to a navy yard or naval station.

Courts of inquiry.

Courts of inquiry may be convened by any officer of the naval service authorized by law to convene general courts-martial.

When a force of marines is embarked on a naval vessel, or vessels, as a separate organization, not a part of the authorized complement thereof, the authority and powers of the officers of such separate organization of marines shall be the same as though such organization were serving at a navy yard on shore, but nothing herein shall be construed as impairing the paramount authority of the commanding officer of any naval vessel over the vessel under his command and all persons embarked thereon.

NAVAL RESERVE FORCE.

Naval reserves.

There is hereby established, under the Department of the Navy, a Naval Reserve Force, to consist of six classes, designated as follows and as hereinafter described:

First. The Fleet Naval Reserve.

Second. The Naval Reserve.

Third. The Naval Auxiliary Reserve.

Fourth. The Naval Coast Defense Reserve.

Fifth. The Volunteer Naval Reserve.

Sixth. Naval Reserve Flying Corps.

The Naval Reserve Force shall be composed of citizens of the United States who, by enrolling under regulations prescribed by the Secretary of the Navy or by transfer thereto as in this Act provided, obligate themselves to serve in the Navy in time of war or during the existence of a national emergency, declared by the President: *Provided*, That citizens of the insular possessions of the United States may enroll in the Naval Auxiliary Reserve.

The Secretary of the Navy shall make all necessary and proper regulations not inconsistent with law for the administration of the provisions of this Act which relate to the Naval Reserve Force.

Service.

Members of the Naval Reserve Force may be ordered into active service in the Navy by the President in time of war or when, in his opinion, a national emergency exists.

Ranks and grades.

There shall be allowed in the Naval Reserve Force the various ratings, grades, and ranks, not above the rank of lieutenant commander, corresponding to those in the Navy. Officers of the line may be appointed for deck or engineering duties, as they may elect.

Members of the Naval Reserve Force appointed to commissioned grades shall be commissioned by the President alone, and members of such force appointed to warrant grades shall be warranted by the Secretary of the Navy: *Provided*, That officers so warranted or commissioned shall not be deprived of the retainer pay, allowances, or gratuities to which they would otherwise be entitled. Officers of the Naval Reserve Force shall rank with but after officers of corresponding rank in the Navy.

Enrollment and reenrollment shall be for terms of four years, but members shall in time of peace, when no national emergency exists, be discharged upon their own request upon reimbursing the Government for any clothing gratuity that may have been furnished them during their current enrollment.

Enrollment.

Persons enrolling shall be required to take the oath of allegiance to the United States.

When first enrolled members of the Naval Reserve Force, except those in the Fleet Naval Reserve, shall be given a provisional grade, rank or rating in accordance with their qualifications determined by examination. They may thereafter, upon application, be assigned to active service in the Navy for such periods of instruction and training as may enable them to qualify for and be confirmed in such grade, rank or rating.

No member shall be confirmed in his provisional grade, rank or rating until he shall have performed the minimum amount of active service required for the class in which he is enrolled, nor until he has duly qualified by examination for such rank or rating under regulations prescribed by the Secretary of the Navy.

No person shall be appointed or commissioned as an officer in any rank in any class of the Naval Reserve Force, or promoted to a higher rank therein, unless he shall have been examined and recommended for such appointment, commission, or promotion by a board of three naval officers not below the rank of lieutenant commander, nor until he shall have been found physically qualified by a board of medical officers to perform the duties required in time of war, except that former officers and midshipmen of the Navy, who shall have left the service under honorable conditions and who shall have enrolled in the Naval Reserve Force, may be appointed in the grade and rank last held by them without examination other than the physical examination above prescribed.

Examination for appointment.

The retainer pay of all members of the Naval Reserve Force, except the Volunteer Naval Reserve, while enrolled in a provisional rank or rating, and until such time as they shall have been confirmed in such rank or rating, shall be \$12 per annum. Thereafter, the retainer pay shall be that prescribed for members in the various classes.

Retainer pay of.

Retainer pay shall be in addition to any pay to which a member may be entitled by reason of active service.

Retainer pay shall only be paid to members of the Naval Reserve Force upon their making such reports concerning their movements and occupations as may be required by the Secretary of the Navy.

Members of the Naval Reserve Force who reenroll for a term of four years within four months from the date of the termination of their last term of enrollment, and

who shall have performed the minimum amount of active service required during the preceding term of enrollment, shall, for each such reenrollment, receive an increase of twenty-five per centum of their base retainer pay: *Provided*, That enrolled members who shall have completed twenty years of service in the Naval Reserve Force, and who shall have performed the minimum amount of active service required in their class for maintaining efficiency during each term of enrollment, shall, upon their own application, be retired with the rank or rating held by them at the time, and shall receive in lieu of any pay, a cash gratuity equal to the total amount of their retainer pay during the last term of their enrollment.

Retainer pay shall be paid annually or at shorter intervals, as the Secretary of the Navy, in his discretion, may direct.

No existing law shall be construed to prevent any member of the Naval Reserve Force from accepting employment in any branch of the public service, except as an officer or enlisted man in any branch of the military service of the United States or any State thereof, nor from receiving the pay and allowances incident to such employment in addition to his retainer pay.

Enrolled members of the Naval Reserve Force shall be subject to the laws, regulations, and orders for the government of the Regular Navy only during such time as they may by law be required to serve in the Navy, in accordance with their obligations, and when on active service at their own request as herein provided, and when employed in authorized travel to and from such active service in the Navy. Members of the Naval Reserve Force shall be issued a distinctive badge or button which may be worn with civilian dress, and whoever, not being a member of the Naval Reserve Force of the United States and not entitled under the law to wear the same, willfully wears or uses the badge or button or who uses or wears the same to obtain aid or assistance thereby, shall be punished by a fine of not more than \$20 or by imprisonment for not more than thirty days or by both such fine and imprisonment.

All members of the Naval Reserve Force shall, when actively employed as set forth in this Act, be entitled to the same pay, allowances, gratuities, and other emoluments as officers and enlisted men of the naval service on active duty of corresponding rank or rating and of the same length of service. When not actively employed in the Navy, members of the Naval Reserve Force shall not be entitled to any pay, bounty, gratuity, or pension except as expressly provided for members of the Naval Reserve Force by the provisions of this Act.

Enrolled members of the Naval Reserve Force may, in time of war or national emergency, be required to perform active service in the Navy throughout the war or until the national emergency ceases to exist.

Members of the Naval Reserve Force shall, upon first reporting for active service for training during each period of enrollment, be credited with a uniform gratuity of \$50 for officers and of \$30 for men.

Upon reporting for active service in time of war or national emergency the uniform gratuity shall be \$150 for officers and \$60 for men, or the difference between these amounts and any amounts that may have been credited as a uniform gratuity during the current enrollment: *Provided*, That should any member of the Naval Reserve Force sever his connection with the service without compulsion on part of the Government before the expiration of his term of enrollment, the amount so credited shall be deducted from any money that may be or may become due him.

Uniform gratuity.

Hereafter, in shipping officers and men for service on board United States auxiliary vessel, preference shall be given to members of the Naval Reserve Force, and, after two years from the date of approval of this Act, no person shall be shipped for such service who is not a member of the Naval Reserve Force herein provided.

Members of the Naval Reserve Force may, upon application, be transferred from one class to another class for which qualified under the provisions of this Act; and may in time of war volunteer for and be assigned to duties prescribed for any class which they may be deemed competent to perform.

The Secretary of the Navy shall prescribe a suitable flag, or pennant, that may be flown as an insignia on private vessels or vessels of the merchant service commanded by officers of the Naval Reserve Force: *Provided*, That it shall not be flown in lieu of the National ensign.

Flag of.

The Secretary of the Navy is hereby authorized to establish schools or camps of instruction at such times and in such localities as he may deem advisable for the purpose of instructing members and applicants for membership in the Naval Reserve Force. No applicant shall be accepted for instruction unless he agrees to abide by the regulations of the school and pursue the course prescribed by the Secretary of the Navy. Persons who satisfactorily complete the course will be given certificates of qualification for the rank or rating for which duly qualified, and may be permitted to enroll in the proper class of the reserve in such rank or rating. For the purpose of carrying into effect this paragraph of the Act there is hereby appropriated, out of any money in the Treasury not otherwise appropriated, \$30,000, which is hereby made available to be expended as the Secretary of the Navy may direct in the necessary equipment and maintenance of such schools and camps.

Schools or camps of instruction.

FLEET NAVAL RESERVE.

Fleet naval reserve.

All former officers of the United States naval service, including midshipmen, who have left that service under honorable conditions, and those citizens of the United States who have been, or may be entitled to be, honorably discharged from the naval service after not less than one four-year term of enlistment or after a term of enlistment during minority, and who shall have enrolled in the Naval Reserve Force shall be eligible for membership in the Fleet Naval Reserve.

Enlisted men, transfer to Fleet Naval Reserves.

In addition to the enrollments in the Fleet Naval Reserve above provided, the Secretary of the Navy is authorized to transfer to the Fleet Naval Reserve at any time within his discretion any enlisted man of the naval service with twenty or more years' naval service, and any enlisted man, at the expiration of a term of enlistment who may be then entitled to an honorable discharge, after sixteen years' naval service: *Provided*, That such transfers shall only be made upon voluntary application and in the rating in which then serving, and the men so transferred shall be continued in the Fleet Naval Reserve until discharged by competent authority.

To active duty.

The Secretary of the Navy is authorized to assign any member of the Fleet Naval Reserve to active duty for training on board ship, upon the application of such member, but any member who has failed to perform three months' active service with the Navy in any term of enrollment shall, on the next reenrollment, receive retainer pay at the rate of \$12 per annum until such time as he shall have completed three months' active service. The three months' active service with the Navy may be taken in one or more periods, at the election of the member: *Provided*, That no member shall be entitled to travel allowance unless the period of such active service is for not less than one month, or unless specifically provided for by such regulations as may be prescribed by the Secretary of the Navy.

Pay of Fleet Naval Reserve.

Men enrolled in the Fleet Naval Reserve with less than eight years' naval service shall be paid at the rate of \$50 per annum; those with eight or more years and less than twelve years' naval service shall be paid at the rate of \$72 per annum; and those with twelve or more years' naval service shall be paid at the rate of \$100 per annum, such pay to be considered as retainer pay for the obligation on the part of such members to serve in the Navy in time of war or national emergency: *Provided*, That for all purposes of this Act a complete enlistment during minority and any enlistment terminated within three months prior to the expiration of the term of enlistment by special order of the Secretary of the Navy shall be considered as four years' service. The annual retainer pay of officers of the Fleet Naval Reserve shall be two months' base pay of the corresponding rank in the Navy.

Reenrollments in the Fleet Naval Reserve shall be for four years. Officers and men enrolling in the Fleet Naval Reserve within four months of the date of the termination of their last naval service or reenrolling within four months of the date of the termination of their last term of enrollment shall receive an increase of twenty-five per centum of their retainer pay for each such enrollment: *Provided*, That men who have enrolled in the Fleet Naval Reserve within four months of the date of their discharge from the regular naval service shall, upon reenlistment in the regular naval service within four months of the date of discharge from the Fleet Naval Reserve, be entitled to the same gratuity and additional pay as if they had reenlisted in the regular naval service within four months of discharge therefrom.

Reenrollment t.
Fleet Naval Re-
serve.

Members of the Fleet Naval Reserve who have, when transferred to the Fleet Naval Reserve, completed naval service of sixteen or twenty or more years shall be paid a retainer at the rate of one-third and one-half, respectively, of the base pay they were receiving at the close of their last naval service plus all permanent additions thereto: *Provided*, That the pay authorized in this paragraph as a retainer shall be increased ten per centum for all men who may be credited with extraordinary heroism in the line of duty or whose average marks in conduct for twenty years or more shall not be less than ninety-five per centum of the maximum.

Retainer pay.

Any pay which may be due any member of the Fleet Naval Reserve shall be forfeited when so ordered by the Secretary of the Navy upon the failure, under such conditions as may be prescribed by the Secretary of the Navy, of such man to report for inspection.

Members of the Fleet Naval Reserve who have established their qualifications by examination to the satisfaction of the Secretary of the Navy may be given warrants or commissions in the Fleet Naval Reserve in the grades of boatswain, gunner, carpenter, machinist, pharmacist, pay clerk, ensign for deck or engineering duties, or in the lowest grades of the staff corps: *Provided further*, That those so warranted or commissioned shall not be deprived of the retainer pay, allowances, or gratuities to which they would be otherwise entitled.

Men transferred to the Fleet Naval Reserve shall be governed by the laws and regulations for the government of the Navy and shall not be discharged from the Naval Reserve Force without their consent, except by sentence of a court-martial. They may, upon their own request, upon completing thirty years' service, including naval and fleet naval reserve service, be placed on the retired list of the Navy with the pay they were then receiving plus the allowances to which enlisted men of the same rating are entitled on retirement after thirty years' naval service. They shall be required to keep on hand such

Naval laws and
regulations
govern.

part of the uniform-clothing outfit as may be prescribed by the Secretary of the Navy.

The Secretary of the Navy is authorized in time of war or when a national emergency exists to call any enlisted man on the retired list into active service for such duty as he may be able to perform. While so employed such enlisted men shall receive the same pay and allowances they were receiving when placed on the retired list.

NAVAL RESERVE.

Naval Reserve. Members of the Naval Reserve Force who have been or may be engaged in the seagoing profession, and who have enrolled for general service, shall be eligible for membership in the Naval Reserve. No person shall be first enrolled in this class who is less than eighteen or more than thirty-five years of age, nor unless he furnishes satisfactory evidence as to his ability and character; nor shall any person be appointed an officer in this class unless he shall have had not less than two years' experience as an officer on board of lake or ocean going vessels.

The minimum active service required of members to qualify for confirmation in their rank or rating in this class shall be three months.

The minimum active service required for maintaining the efficiency of a member of this class is three months during each term of enrollment. This active service may be in one period or in periods of not less than three weeks each year.

Pay of. The annual retainer pay of members in this class after confirmation in rank or rating shall be two months' base pay of the corresponding rank or rating in the Navy.

NAVAL AUXILIARY RESERVE.

Naval Auxiliary Reserve. Members of the Naval Reserve Force of the seagoing profession who shall have been or may be employed on American vessels of the merchant marine of suitable type for use as naval auxiliaries and which shall have been listed as such by the Navy Department for use in war, shall be eligible for membership in the Naval Auxiliary Reserve.

In time of war or during the existence of a national emergency, persons in this class shall be required to serve only in vessels of the merchant ship type, except in cases of emergency, to be determined by the senior officer present, when said officer may, in his discretion, detail them for temporary duty elsewhere as the exigencies of the service may require.

The requirement as to qualifications of officers and men for confirmation in rank or rating, and as to the maintenance of efficiency in rank or rating, shall be prescribed by the Secretary of the Navy and shall be limited to the requirements for the proper organization, discipline,

maneuvering, navigation, and operation of vessels of the merchant ship type while performing auxiliary service to the fleet in time of war, and length of time of employment on board such vessels in the merchant service.

Officers in the Naval Auxiliary Reserve shall exercise military command only on board the ships to which they are attached and in the naval auxiliary service.

The annual retainer pay of members in this class after confirmation in rank or rating shall be for officers, one month's base pay of the corresponding rank in the Navy, and for men, two months' base pay of the corresponding rating in the Navy.

Pay of.

NAVAL COAST DEFENSE RESERVE.

Members of the Naval Reserve Force who may be capable of performing special useful service in the Navy or in connection with the Navy in defense of the coast, shall be eligible for membership in the Naval Coast Defense Reserve.

Naval Coast
Defense Reserve.

Persons may enroll in this class for service in connection with the naval defense of the coast, such as service with coast-defense vessels, torpedo craft, mining vessels, patrol vessels or as radio operators, in various ranks or ratings corresponding to those of the Navy for which they shall have qualified under regulations prescribed by the Secretary of the Navy: *Provided*, That the Secretary of the Navy may permit the enrollment in this class of owners and operators of yachts and motor power boats suitable for naval purposes in the naval defense of the coast; and is hereby authorized to enter into contract with the owners of such power boats and other craft suitable for war purposes to take over the same in time of war or national emergency upon payment of a reasonable indemnity.

Enrollment of.

The amount of active service required for confirmation in rank and rating and for maintaining efficiency in rank and rating shall be the same as that required for members of the Naval Reserve.

The annual retainer pay of members of this class shall be the same as that of members of the Naval Reserve.

Pay of.

VOLUNTEER NAVAL RESERVE.

The Volunteer Naval Reserve shall be composed of those members of the Naval Reserve Force who are eligible for membership in any one of the other classes of the Naval Reserve Force, and who obligate themselves to serve in the Navy in any one of said classes without retainer pay and uniform gratuity in time of peace.

Volunteer Na-
val Reserve.

NAVAL RESERVE FLYING CORPS.

Naval Reserve
Flying Corps.

The Naval Reserve Flying Corps shall be composed of officers and student flyers who have been transferred from the Naval Flying Corps to the Naval Reserve Flying Corps and of enlisted men who shall have been so transferred under the same conditions as those provided by law for enlisted men of the Navy transferred to the Fleet Naval Reserve: *Provided*, That surplus graduates of the aeronautic school may be commissioned as ensigns in the Naval Reserve Flying Corps and promoted therein under such regulations as may be prescribed by the President. Members of the Naval Reserve Force skilled in the flying of aircraft or in their design, building, or operation, shall be eligible for membership in the Naval Reserve Flying Corps. The amount of active service required for confirmation in grade, rank, or rating, and for maintaining efficiency therein, shall be the same as that required for members of the Naval Reserve. The retainer pay of members of the Naval Reserve Flying Corps shall be the same as that of members of the Naval Reserve.

MARINE CORPS RESERVE.

Marine
Reserve.
Corps

A United States Marine Corps Reserve, to be a constituent part of the Marine Corps and in addition to the authorized strength thereof, is hereby established under the same provisions in all respects (except as may be necessary to adapt the said provisions to the Marine Corps) as those providing for the Naval Reserve Force in this Act: *Provided*, That the Marine Corps Reserve may consist of not more than five classes, corresponding, as near as may be, to the Fleet Naval Reserve, the Naval Reserve, the Naval Coast Defense Reserve, the Volunteer Naval Reserve, and the Naval Reserve Flying Corps, respectively.

Naval Reserve
Force.

All Acts or parts of Acts relating to the Naval Reserve which are inconsistent with the provisions of this Act relating to the Naval Reserve Force are hereby repealed.

Naval Reserve Force: For the authorized expenses of organizing the Naval Reserve Force, \$130,000, and the unexpended balance of the appropriation for carrying into effect the provisions of the Act of March third, nineteen hundred and fifteen, relating to a Naval Reserve, be, and it is hereby, made immediately available to carry into effect the foregoing provisions relating to a Naval Reserve Force. The retainer pay and active service pay of members of the Naval Reserve Force shall be paid from the appropriation "Pay—the Navy," and the retainer pay and active service pay of the Marine Corps Reserve shall be paid from the appropriation "Pay, Marine Corps."

NAVAL MILITIA AND NATIONAL NAVAL VOLUNTEERS.

Each commissioned and warrant officer on the active list of the Naval Militia shall receive compensation for his services, referred to hereinafter as retainer pay, except during periods of service for which he may become lawfully entitled to the same pay as an officer of corresponding grade of the United States Navy or Marine Corps, at the following rates per annum, namely:

Compensation.

To officers of or above the naval rank or equivalent rank of lieutenant, \$500;

To officers of the naval rank or equivalent rank of lieutenant (junior grade), \$240;

To officers of the naval rank or equivalent rank of ensign, \$200;

To warrant officers, \$120:

Provided, That no commissioned or warrant officer of the Naval Militia shall be entitled to any retainer pay for any period during which he has not attended the minimum number of drills prescribed in section fifteen of an Act entitled "An Act to promote the efficiency of the Naval Militia, and for other purposes," approved February sixteenth, nineteen hundred and fourteen, or equivalent official duty duly authorized in lieu thereof in accordance with such regulations as may be issued by the Secretary of the Navy.

That each enlisted man on the active list of the Naval Militia shall receive compensation for his services, referred to hereinafter as retainer pay, except during periods of service for which he may become lawfully entitled to the same pay as an enlisted man of corresponding rate or rank of the United States Navy or Marine Corps, at a rate equal to twenty-five per centum of the base pay now, or as may be hereafter, provided by law for an enlisted man of corresponding rate or rank in the United States Navy or Marine Corps, but not to exceed \$120 per annum: *Provided*, That such enlisted man shall receive the full retainer pay represented by said twenty-five per centum of said base pay only if he shall have attended, during any one year, the maximum number of assemblies for drill, instruction, and target practice, but for the purpose of computing pay not to exceed forty-eight (or equivalent official duty), which he shall have been duly required to attend, and a proportionate amount for attendance at a lesser number of the same, being in no case less than fifty per centum of said maximum, nor less than the minimum total number of assemblies for drill, instruction, and target practice provided for by section fifteen of an Act entitled "An Act to promote the efficiency of the Naval Militia, and for other purposes," approved February sixteenth, nineteen hundred and fourteen, or duly authorized equivalent official duty.

That no member of the Naval Militia shall be entitled to the retainer pay herein provided for until he has been

found qualified, both physically and professionally, in accordance with the standard prescribed by the Secretary of the Navy, and until he has enrolled in the National Naval Volunteers hereinafter provided for.

That the compensation provided for herein shall be computed for quarterly periods under such regulations as the Secretary of the Navy may prescribe, beginning the first days of January, April, July, and October, respectively, of each year, in proportion to the number of said assemblies attended, and no compensation shall be paid to any enlisted man during the first semiannual period of any year unless he shall have attended during said period at least fifty per centum of said minimum of assemblies; but attendance at any lesser number of said assemblies during said period shall be reckoned with the said assemblies attended during the second, third, and fourth quarterly periods in computing the compensation, if any, due him for that year: *Provided*, That when any enlisted man enters into an enlistment he shall be entitled to proportional compensation for that year if during the remainder of the year he shall attend a number of said assemblies whose ratio to said minimum is not less than the ratio of the part of the year so served to the whole year; and when the enlistment of any man shall expire the compensation, if any, to which he may be entitled shall be determined in like manner: *And provided further*, That periods of any actual military duty equivalent to the assemblies hereinabove particularly referred to, except those periods of service for which, under existing or future laws, members of the Naval Militia may become entitled to the same pay as officers and enlisted men of the corresponding ranks, grades, or rates in the United States Navy and Marine Corps, may be accepted as service in lieu of such drills, when approved by the Secretary of the Navy.

Whenever a member of the Naval Militia who is employed under a department of the Government of the United States attends drills, cruises, or other ordered duty of the Naval Militia, he shall receive the amount of the salary or wages he would have earned when so employed, in addition to the amount provided for by law as a member of the said Naval Militia: *Provided, however*, That such attendance shall not affect his efficiency rating in said department, nor shall he suffer demotion or loss of position during or at the termination of any naval or military service when ordered upon special or active duty of any kind.

That the retainer pay provided above shall be paid quarterly, except as otherwise above provided, to officers and enlisted men of the Naval Militia through the disbursing officer provided for under section eleven of an Act to promote the efficiency of the Naval Militia, and for other purposes, approved February sixteenth, nineteen hundred and fourteen, who shall be an officer of the

pay corps of the Naval Militia. The Secretary of the Navy is hereby authorized to pay to such disbursing officer so much of the amount appropriated to carry out the provisions of this Act as shall be necessary for the above purposes. When disbursing officers are traveling in the performance of their official duties under orders issued by the Secretary of the Navy they shall be reimbursed for their actual and necessary traveling expenses, the same to be made a charge against the appropriation "Arming and equipping Naval Militia."

The governor of each State and Territory, and the commanding general of the District of Columbia Militia, shall appoint either the above-described disbursing officer or such other officer of the pay corps of the Naval Militia as he may elect as accounting officer for each battalion thereof, or, at his option, for each larger unit or combination of units of the same, who shall be responsible for the proper accounting for all property belonging to the United States issued to and for the use of such battalion, or larger unit or combination of units.

Accounting officer.

Accounting officers shall render accounts as prescribed by the Secretary of the Navy and shall be required to give good and sufficient bonds to the United States in such sums as the Secretary of the Navy may direct, conditioned upon the faithful accounting for all property belonging to the United States and for the safekeeping of such part thereof as may be in the personal custody of such officer. Accounting officers may issue any or all such property to other officers or enlisted men of the Naval Militia under such rules and regulations as may be prescribed: *And provided further*, That the Secretary of the Navy shall cause an inspection of the accounts and records of the accounting officers to be made by an officer of the Navy at least once each year.

Accounting.

When accounting officers are traveling in the performance of their official duties under orders issued by the Secretary of the Navy they shall be reimbursed for their actual and necessary traveling expenses, the same to be made a charge against the appropriation "Arming and equipping Naval Militia."

That officers and enlisted men of the Naval Militia to whom property has been issued as herein provided for shall be responsible for the safe-keeping and return thereof. Stoppages may be made against the compensation payable to any officer or enlisted man of the Naval Militia to cover the cost of public property lost or destroyed by and chargeable to such officer or enlisted man.

That no part of the Naval Militia which is entitled to compensation under the provisions of this Act shall be disbanded without the consent of the President.

That to provide a force for use in any emergency, including that of actual or imminent war, requiring the use of naval forces in addition to those of the Regular Navy, of which emergency the President shall be, for the

National Naval Volunteers.

purposes of this Act, the sole judge, there is hereby created a force, to be known as the "National Naval Volunteers," into which the President alone is authorized, under such regulations as he may prescribe, to at any time enroll, by commission, warrant, and enlistment, respectively, and without examination, such number of the officers and men of the various branches of the Naval Militia as he may decide to so enroll from among those of the Naval Militia who have theretofore confirmed to the standard of professional and physical examination prescribed for such officers and men under section five of an Act entitled "An Act to promote the efficiency of the Naval Militia, and for other purposes," approved February sixteenth, nineteen hundred and fourteen, and who may volunteer for such enrollment; and may also similarly enroll, immediately upon the occurrence of any such emergency (subject to their first or subsequent passing examinations satisfactory to him, or may, if he shall think best, enroll without any examination), such further number of the officers and men of the Naval Militia as may so volunteer from among those of the Naval Militia who have not theretofore conformed to said standards. Such officers and men, so enrolled by commission, warrant, or enlistment, shall be eligible and liable for call for immediate service in the event of any such emergency.

That the President may also, in the event of such emergency, draft into the naval service of the United States and enroll as members of the said Volunteers as many officers and men of the Naval Militia as he may think best, and with or without examination, as he may decide, from among those of the Naval Militia who shall not therefore have volunteered and been enrolled in said Volunteers: *Provided*, That no commissioned or warrant officer drafted or otherwise enrolled shall be compelled to serve in said Volunteers in a lower rank or grade than that which he held in the Naval Militia at the time of being drafted or otherwise enrolled: *Provided further*, That the President may commission, warrant, or rate in said Volunteers any person who shall be so enrolled as above.

That when the National Naval Volunteers are ordered by the President into the active service they will, from the date such orders are issued until such time as they may be discharged from such service, be subject to the laws for the government of the Navy in so far as those laws may properly be applied to persons not in the regular permanent naval service.

That all persons so enrolled shall be held to service in said Volunteers during the continuance of any such emergency and during the period of any existing or thereafter ensuing war, unless sooner relieved by order of the President or until reaching the age of sixty-two years for those in the naval branch and the age of sixty-four years for those in the Marine Corps branch, upon attaining

which ages such persons, respectively, shall be relieved from such enrollment: *Provided*, That during the continuance of any such emergency or war any enrolled person who shall fail to obey the call to service of the President may be arrested and compelled to serve, and, in addition thereto, may be tried by court-martial as a deserter and punished as such in such manner as said court-martial may lawfully direct.

That any person so enrolled may tender his resignation to, or request his discharge from, the President, who may, in his discretion, accept such resignation or grant such discharge and disenroll such person, and any person so enrolled may be disenrolled by the President for any cause: *Provided*, That no person so enrolled shall be held against his will to such enrollment for a longer continuous period than three years, except during the pendency or duration of the emergency or of war hereinabove referred to. Any person enrolled may subsequently, upon his own application while so enrolled and if still a member of the Naval Militia, be reenrolled in any rank, grade, or rating for which he shall have been found qualified under the provisions of section five of an Act entitled "An Act to promote the efficiency of the Naval Militia, and for other purposes," approved February sixteenth, nineteen hundred and fourteen, and for which he shall also have been duly commissioned, warranted, enlisted, or rated, as the case may be, in the Naval Militia.

That every person enrolled in said Volunteers shall, from the date of the call of the President, and during the continuance of his active service under said call, stand relieved from all duty as a member of the Naval Militia, and shall, during said period, have in said Volunteers all the authority and obligations of a person of similar rank, grade, or rate in the United States Navy or Marine Corps, shall be governed by the laws and regulations for the government of the Navy, and shall, during his time of active service, be entitled to the same pay and allowances as are, or may be hereafter, provided by law for a person of similar rank, grade, or rate in the United States Navy and Marine Corps, respectively.

That the members of the said Volunteers may be ordered to duty with the Navy or separately, and either within or without the territorial limits of the United States, and when so serving shall rank with but after those of corresponding rank, grades, or rates in the United States Navy or Marine Corps, except that for the purpose of determining who shall exercise command over a combined force, composed of vessels commanded by officers of said Volunteers, and of vessels commanded by officers of the United States Navy, acting in conjunction, and for the purpose of determining who shall exercise command on shore over a combined force composed of military units commanded by officers of said Volunteers and officers of the United States Navy or Marine Corps, acting in con-

junction, all officers of said Volunteers of or above the rank of lieutenant commander (naval branch) or major (Marine Corps branch) will be regarded as junior to lieutenant commanders of the Navy and majors of the United States Marine Corps, respectively, and provided that as between themselves officers of the said Volunteers shall take rank and precedence as of the dates of the commissions in the Naval Militia under which enrolled in said Volunteers.

That when serving under the call of the President, officers of said Volunteers may serve on courts-martial for the trial of officers and men of the United States naval or Naval Militia service, or of said Volunteers, but in the cases of courts-martial convened for the trial of officers or enlisted men of the United States Navy or Marine Corps, the majority of the members shall be officers of the regular naval service, and officers and enlisted men of the said Volunteers may be tried by courts-martial, the members of which are members of the regular naval service, or of said Volunteers, or any or all of the same.

That when any officer or enlisted man of the said Volunteers is disabled by reason of wounds or disabilities received in the active service of the United States, when called to duty under the provisions of this Act, he shall be entitled to all the benefits of the pension laws existing at the time of his service for the benefit of members of the United States Navy or Marine Corps, respectively, and in case such officer or enlisted man dies in the active service of the United States, or in returning to his place of residence after being relieved from such active service, or at any time in consequence of wounds or disabilities received in such active service, his widow and children, or previously designated dependent relative, if any, shall be entitled to all the benefits of such pension laws.

That the President may relieve any and all persons in the National Naval Volunteers from active service when their services are no longer needed.

That no distinction shall be made between the regular naval service and the National Naval Volunteers when in active service under the call of the President, in respect to promotions or rewards for valorous conduct, or to the conferring upon officers or enlisted men of brevet rank, medals of honor, or other rewards for distinguished conduct.

That the Naval Militia shall consist of the regularly enlisted militia between the ages of eighteen and forty-five years, organized as prescribed for the Naval Militia by law, and commissioned officers between the ages of twenty-one and sixty-two years (naval branch), and twenty-one and sixty-four years (Marine Corps branch): *Provided, however,* That enlisted men may continue in service after the age of forty-five years, and until the age of sixty-two years (naval branch), or sixty-four years (Marine Corps branch), provided the service is continuous.

Benefits of pension laws.

That hereafter the period of enlistment in the Naval Militia shall be three years. An enlisted man who has served honorably for the full term of his enlistment may reenlist for a term of one, two, or three years, as he may elect. When a man reenlists within thirty days from the date of the expiration of his prior enlistment his term of service shall be considered as continuous, and shall be so dated. Period of enlistment.

That courts-martial in the Naval Militia of the several States and Territories and in the District of Columbia shall, except when the Naval Militia shall have been called into the service of the United States, consist of general courts-martial, summary courts-martial, and deck courts. Courts-martial.

That general courts-martial shall consist of not less than three nor more than thirteen officers, and may be convened by order of the governor of a State or Territory, or the commanding general of the District of Columbia Militia.

That summary courts-martial may be ordered by the governor of a State, or Territory or by the commanding general of the District of Columbia Militia, or by the commanding officer of a Naval Militia battalion or brigade.

That deck courts may be ordered by the commanding officer of a Naval Militia battalion or brigade, or by a Naval Militia officer in command of Naval Militia forces on shore or on any vessel loaned to a State, Territory, or the District of Columbia, or on any vessel on which said forces may be serving.

That the above courts-martial and deck courts herein provided for shall be constituted and have cognizance of the same subjects, and possess like powers, except as to punishments, as similar courts provided for in the Navy of the United States, and the proceedings of courts-martial of the Naval Militia shall follow the forms and modes of procedure prescribed for such courts in the Navy of the United States.

That every precept or order for the convening of any such court may authorize said court to sit at any place or places within the territorial limits of the State, Territory, or District where such Naval Militia may be located, or organized, as the convening authority may designate, and may further provide that any such court may be convened and sit on board any such naval or other vessel, wherever the same may from time to time happen to be, or at such place or places ashore, outside the territorial limits referred to above, as, in the judgment of the said convening authority, may be convenient or desirable for the purposes of such courts-martial.

That general courts-martial shall have power to impose fines not exceeding \$200, to sentence to forfeiture of pay and allowances, to a reprimand, to dismissal or dishonorable discharge from the service, to reduction in Punishments.

rank or rating; or any two or more of such punishments may be combined in the sentences imposed by such courts.

That summary courts-martial shall have the same powers of punishment as general courts-martial, except that fines imposed by summary courts-martial shall not exceed \$100.

That deck courts may impose fines not exceeding \$50 for any single offense, may sentence enlisted men to reduction in rank or rating, to forfeiture of pay and allowances, to a reprimand, to discharge with other than dishonorable discharge, or to a fine in addition to any one of the other sentences specified.

That all courts-martial of the Naval Militia, including deck courts, shall have the power to sentence to confinement in lieu of fines authorized to be imposed: *Provided*, That such sentences shall not exceed one day for each dollar of fine authorized.

That no sentence of dismissal or dishonorable discharge from the Naval Militia shall, except when the Naval Militia shall have been called into the service of the United States, be executed without the approval of the governor of the State or Territory or the commanding general of the District of Columbia Militia.

That presidents of general courts-martial, senior members of summary courts-martial, and deck-court officers of the Naval Militia shall have the power to issue warrants to arrest accused persons and to bring them before the court for trial whenever such persons have disobeyed an order in writing from the convening authority to appear before such court, a copy of the charge or charges having been delivered to the accused with such order, and to issue subpoenas and subpoenas duces tecum, and to enforce by attachment attendance of witnesses and the production of books and papers, and to sentence for a refusal to be sworn or to answer, all as authorized for similar proceedings for courts-martial in the Navy of the United States.

That all processes and sentences of said courts-martial shall be executed by such civil or other officers as may be prescribed by the laws of the several States and Territories, except as hereinafter alternatively provided, and in any State where no provisions have been made for such action and in the Territories and the District of Columbia the same shall be executed by a United States marshal, or by his duly appointed deputy, and it shall further be the duty in any case of any United States marshal, when so required by the convening authority of any such court-martial, to execute all such processes and sentences and make return thereof to the officer issuing or imposing the same.

That the Naval Militia shall be subject to the system of discipline prescribed for the United States Navy and Marine Corps, and the commanding officer of a Naval Militia battalion or brigade, and the Naval Militia officer in command of Naval Militia forces on shore or on any

vessel of the Navy loaned to the States, Territories, and the District of Columbia, or on any vessel on which such forces are training, shall have the power, without trial by courts-martial, to impose upon members of the Naval Militia the punishments which the commanding officer of a vessel of the Navy is authorized by law to impose.

That the amount of any fine imposed under sentence of the courts heretofore named on any member of the Naval Militia may be collected from him, or may be deducted from any amount due said member as accrued pay or retainer pay under the provisions of this Act, or otherwise.

That all fines assessed under the provisions of this Act and collected or withheld shall be paid to the commanding officer of the Naval Militia brigade, battalion, or separate unassigned unit of which the person against whom such fine shall have been assessed is a member, to be used by said commanding officer to replace lost or damaged property or for such other purposes of his Naval Militia organization as he may decide, subject to such regulations as may be prescribed by the Secretary of the Navy. Upon the receipt of a certificate from the authority convening the court as to any fine assessed by it, any United States disbursing officer concerned shall pay over any funds due the said member not exceeding the amount of such fine to said commanding officer upon the sole receipt of said commanding officer.

That courts of inquiry in the Naval Militia shall be instituted, constituted, and conducted in the same manner and shall have like powers and duties as similar courts in the Navy of the United States, except that in the Naval Militia courts of inquiry shall be ordered by the governor of the State or Territory, the commanding general of the District of Columbia Militia, or the commanding officer of a Naval Militia brigade or battalion.

That officers of the United States Navy and Marine Corps may, with the approval of the Secretary of the Navy, be elected or appointed and commissioned as officers of the Naval Militia without prejudice to their position or status in the regular service: *Provided*, That such officers so commissioned shall, when directed by the Secretary of the Navy, tender their resignations of such State commissions: *And provided further*, That nothing herein contained shall limit the authority of the Secretary of the Navy over such officers so commissioned.

That line officers of the Naval Militia may be for line duties only, for engineering duties only, or for aeronautic duties only.

That, under such regulations as the President may prescribe, the Secretary of the Navy may, upon the recommendation of the governor of any State or Territory, or the commanding general of the National Guard of the District of Columbia, authorize a limited number of selected officers or enlisted man of the Naval Militia to

Study in service schools.

attend and pursue a regular course of study at any Navy or Marine Corps service school of the United States, except the United States Naval Academy; or to be attached to any Navy or Marine Corps command for routine practical instruction; and such officer or enlisted man shall receive, out of any Naval Militia allotment of funds available for the purpose, the same travel allowances and quarters, or commutation of quarters, and the same pay, allowances, and subsistence to which an officer or enlisted man of the naval service would be entitled for attending such school, college, or practical course of instruction under orders from proper naval authority, while in actual attendance at such school, college, or practical course of instruction: *Provided*, That in no case shall the pay and allowances authorized by this section exceed those of a lieutenant in the Navy.

That the Secretary of the Navy shall cause to be estimated annually the amount necessary for carrying out the provisions of this Act, and no money shall be expended under said provisions, except as shall, from time to time, be appropriated for carrying them out.

That the Secretary of the Navy is hereby authorized to sell at cost and issue lubricating oil and gasoline to vessels of the Volunteer Patrol Squadrons duly enrolled in the several naval districts; and that during maneuvers or practice drills when any of the vessels of said Patrol Boat Squadrons shall be acting singly or as squadrons under the direct command or control of an officer or officers of the United States Navy, gasoline fuel shall be supplied to them free of charge.

COAST GUARD.

Coast Guard.

Whenever, in time of war, the Coast Guard operates as a part of the Navy in accordance with law, the personnel of that service shall be subject to the laws prescribed for the government of the Navy: *Provided*, That in the initiation, prosecution, and completion of disciplinary action, including remission and mitigation of punishments for any offense committed by any officer or enlisted man of the Coast Guard, the jurisdiction shall hereafter depend upon and be in accordance with the laws and regulations of the department having jurisdiction of the person of such offender at the various stages of such action: *Provided, further*, That any punishment imposed and executed in accordance with the provisions of this section shall not exceed that to which the offender was liable at the time of the commission of his offense.

How paid.

Hereafter whenever, in accordance with law, the expenses of the Coast Guard are paid by the Navy Department, any naval appropriations from which payments are so made shall be reimbursed from available appropriations made by Congress for the expenses of the Coast Guard.

Whenever the personnel of the Coast Guard, or any part thereof, is operating with the personnel of the Navy in accordance with law, precedence between commissioned officers of corresponding grades in the two services shall be determined by the date of commissions in those grades.

Any commissioned or warrant officer, petty officer, or other enlisted man in the Coast Guard may be assigned to any duty which may be necessary for the proper conduct of the Coast Guard; and the Secretary of the Treasury in time of peace and the Secretary of the Navy in time of war may, in his discretion, man any Coast Guard station during the entire year, or any portion thereof, maintain any house of refuge as a Coast Guard station, and change, establish, and fix the limits of Coast Guard districts and divisions.

That the Secretary of the Treasury is hereby authorized and directed to construct and equip two steam Coast Guard cutters for service on the Pacific coast and in Alaskan waters, at a total cost not to exceed the sum of \$700,000; one steam Coast Guard cutter for service as an anchorage patrol boat in New York Harbor, at a cost not to exceed the sum of \$125,000, such vessel to be especially constructed for ice breaking; to purchase or construct and equip two or more cutters for service in harbors and shoal waters, at a total cost not to exceed \$50,000; to purchase or construct and equip three light-draft river steamboats, including lifeboats and such other life-saving appliances and equipment as may be necessary, to be used in rescuing lives and property and in distributing food and clothing to marooned people during flood times on the Mississippi and Ohio Rivers and their tributaries, for patrolling said waters for the enforcement of navigation and motor-boat laws, and for rendering aid to vessels in distress, at a total cost not to exceed \$240,000. On account of Coast Guard vessels herein authorized, to be available until expended, \$400,000: *Provided*, That the Secretary of the Navy, at the request of the Secretary of the Treasury, is hereby authorized to build the vessels herein authorized, or any Coast Guard vessels hereafter authorized, at such navy yards as the Secretary of the Navy may designate.

That for the purpose of saving life and property along the coasts of the United States and at sea contiguous thereto, and to assist in the national defense, the Secretary of the Treasury is authorized to establish, equip, and maintain aviation stations, not exceeding ten in number, at such points on the Atlantic and Pacific coasts, the Gulf of Mexico, and the Great Lakes as he may deem advisable, and to detail for aviation duty in connection therewith officers and enlisted men of the United States Coast Guard. At one of these stations there may be instituted a school for the purpose of special instruction in aeronautics, and the Secretary of the Treasury is hereby

Cutters.

Steamboats.
Life boats.

Aviation stations.

School of aeronautics.

authorized to employ one expert instructor in aeronautics, at a salary of \$4,000 per annum, and one assistant instructor, also skilled in aeronautics, at a salary of \$3,000 per annum.

At the request of the Secretary of the Treasury the Secretaries of War and Navy are authorized to receive officers and enlisted men of the Coast Guard for instruction in aviation at any aviation school maintained by the Army and Navy, and such officers and enlisted men shall be subject to the regulations governing such schools.

Coast Guard detailed for aviation duty.

Hereafter officers and enlisted men of the Coast Guard, when detailed for aviation duty, shall receive the same percentages of increases in pay and allowances as are now or may hereafter be prescribed by law for officers and men of the Navy detailed for aviation duty: *Provided*, That no more than a yearly average of fifteen commissioned officers and a total of forty warrant officers and enlisted men of the Coast Guard detailed for duty involving actual flying in aircraft shall receive any increase in pay or allowances by reason of such detail or duty: *Provided further*, That the number of third lieutenants and third lieutenants of engineers now authorized by law for the Coast Guard is hereby increased ten and five, respectively, and such portion of the Act approved August twenty-fourth, nineteen hundred and twelve, which provides that no additional appointments as cadets or cadet engineers shall be made in the Revenue-Cutter Service unless hereafter authorized by Congress is hereby revoked.

LIGHTHOUSE SERVICE.

Transfer of Lighthouse Service vessels, etc., in emergency.

The President is hereby authorized, whenever in his judgment a sufficient national emergency exists, to transfer to the service and jurisdiction of the Navy Department, or of the War Department, such vessels, equipment, stations, and personnel of the Lighthouse Service as he may deem to the best interest of the country, and after such transfer all expenses connected therewith shall be defrayed out of the appropriations for the department to which transfer is made: *Provided*, That such vessels, equipment, stations, and personnel shall be returned to the Lighthouse Service when such national emergency ceases in the opinion of the President, and nothing in this Act shall be construed as transferring the Lighthouse Service or any of its functions from the Department of Commerce except in time of national emergency and to the extent herein provided: *Provided further*, That any of the personnel of the Lighthouse Service who may be transferred as herein provided shall, while under the jurisdiction of the Navy Department or War Department, be subject to the laws, regulations, and orders for the government of the Navy or Army, as the case may be, in so far as the same may be applicable to persons whose

retention permanently in the military service of the United States is not contemplated by law.

The Secretary of the Navy, the Secretary of War, and the Secretary of Commerce shall jointly prescribe regulations governing the duties to be performed by the Lighthouse Service in time of war, and for the cooperation of that service with the Navy and War Departments in time of peace in preparation for its duties in war, and this may include arrangements for a direct line of communication between the officers or bureaus of the Navy and War Departments and the Bureau of Lighthouses to provide for immediate action on all communications from these departments.

Duties of Lighthouse Service.

That the President be, and he is hereby, authorized to appoint the following-named officers now on the retired list of the United States Navy to the grade and rank on the active list of the United States Navy, as hereinafter provided:

Commodore Ten Eyck De Witt Veeder, retired, to be a rear admiral on the active list, to take rank next after Rear Admiral Austin M. Knight, United States Navy; Captain Templin Morris Potts, retired, to be a rear admiral on the active list, to take rank next after Rear Admiral William B. Caperton, United States Navy; Captain John Henry Gibbons, retired, to be a captain on the active list, to take rank next after Captain Frank M. Bennett, United States Navy; Captain Frank Kinsey Hill, retired, to be a captain on the active list, to take rank next after Captain Clarence S. Williams, United States Navy; Captain Armistead Rust, retired, to be a captain on the active list, to take rank next after Captain Robert L. Russell, United States Navy; Captain John Gardner Quinby, retired, to be a rear admiral on the active list, to take rank next after Rear Admiral Thomas S. Rodgers, United States Navy; Captain John Morris Ellicott, retired, to be a captain on the active list, to take rank next after Captain Robert B. Higgins, United States Navy; Captain Frank W. Kellogg, retired, to be a captain on the active list to take rank next after Captain Thomas Snowden, United States Navy; Commander Allen M. Cook, retired, to be a commander on the active list and to take rank next after Commander John R. Brady, United States Navy; Commander Emmet R. Pollock, retired, to be a commander on the active list, to take rank next after Commander Andre Morton Proctor, United States Navy; Captain Washington Irving Chambers, retired, to be a rear admiral on the active list, to take rank next after Rear Admiral Walter McLean, United States Navy; Commander George N. Hayward, retired, to be a captain on the active list to take rank next after Captain Lloyd H. Chandler, United States Navy: *Provided*, That the aforesaid officers shall establish to the satisfaction of the Secretary of the Navy, by the usual examination prescribed by law, their physical, mental,

moral, and professional fitness to perform the duties of the grade on the active list to which they are hereby restored: *Provided further*, That the aforesaid officers shall be carried as additional numbers in the grade to which they may be appointed under this Act, or at any time thereafter promoted: *Provided further*, That the aforesaid officers shall not by the passage of this Act be entitled to back pay or allowances of any kind.

Provisions,
Navy,
Naval Acad-
emy dairy.

PROVISIONS, NAVY: * * * commuted rations for officers on sea duty (other than * * * chief pay clerks, * * *

For the purchase of necessary additional land, cattle, and work animals, machinery and implements, erection of new buildings, repairs and alterations of buildings now on the farm for clearing and improving the land and for all other purposes necessary for the complete installation of the Naval Academy dairy and farm, located at Gambrills, Maryland, \$100,000: *Provided*, That the cost of said land shall not exceed \$15,000: *Provided further*, That the amount appropriated for this purpose shall be treated as an advance to the midshipmen's store fund at the Naval Academy, to be ultimately returned to the United States: *Provided further*, That expenditures hereunder shall be reported by the Chief of the Bureau of Supplies and Accounts to the Secretary of the Navy in the same manner as now prescribed by law for the midshipmen's store fund.

Supplies and
accounts.
Maintenance.

MAINTENANCE, BUREAU OF SUPPLIES AND ACCOUNTS:

For fuel; the removal and transportation of ashes and garbage from ships of war; * * * expenses of disbursing officers; * * * *Provided*, That the sum to be paid out of this appropriation, under the direction of the Secretary of the Navy, for * * * storeman, store laborer, * * * service in * * * disbursing offices * * *

* * * * *
Section six of an Act entitled "An Act to regulate commerce," approved February fourth, eighteen hundred and eighty-seven, as amended March second, eighteen hundred and eighty-nine, and June twenty-ninth, nineteen hundred and six, which reads:

"That in time of war or threatened war preference and precedence shall, upon demand of the President of the United States, be given over all other traffic for the transportation of troops and material of war, and carriers shall adopt every means within their control to facilitate and expedite the military traffic,"
be amended to read as follows:

"That in time of war or threatened war preference and precedence shall, upon demand of the President of the United States, be given over all other traffic for the transportation of troops and material of war, and carriers shall adopt every means within their control to facilitate and expedite the military traffic. And in time of peace shipments consigned to agents of the United States for

its use shall be delivered by the carriers as promptly as possible and without regard to any embargo that may have been declared, and no such embargo shall apply to shipments so consigned."

FUEL AND TRANSPORTATION: Coal and other fuel for steamers' and ships' use, including expenses of transportation, storage, and handling the same; maintenance and general operation of machinery of naval coaling depots and coaling plants; water for all purposes on board naval vessels; and ice for the cooling of water, including the expense of transportation and storage of both, \$5,000,000. Fuel.

BUREAU OF CONSTRUCTION AND REPAIR.

CONSTRUCTION AND REPAIR OF VESSELS: * * * Construction and repair.
installing gun foundations on Panama Canal colliers Ulysses and Achilles, \$10,071,069.16: * * * Repairs of ships. And the Secretary of the Navy is hereby authorized to make expenditures from appropriate funds under the various bureaus for repairs and changes on the vessels herein named, in an amount not to exceed the sum specified for each vessel, respectively, as follows: North Dakota, \$730,000; Georgia, \$525,000; Virginia, \$525,000; Salem, \$430,000; Cincinnati, \$285,000; Saratoga, \$335,000; Henry, \$150,000; Mayrant, \$150,000; F-1, \$205,000; F-2, \$205,000; F-3, \$205,000; Pontiac, \$20,000; Constitution, \$150,000; in all, \$3,915,000: * * *.

The statutory limit of \$200,000 for repairs and changes to capital ships of the Navy, as provided in the Act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and eight, approved March second, nineteen hundred and seven, is hereby changed to \$300,000.

The Secretary of the Navy is hereby authorized to sell Secretary to sell ships. any or all of the auxiliary ships of the Navy classified as colliers, transports, tenders, supply ships, special types, and hospital ships, which are eighteen years and over in age, which he deems unsuited to present needs of the Navy and which can be disposed of at an advantageous price, which shall not be less than fifty per centum of their original cost, the money obtained from such sale to be covered into the Treasury as miscellaneous receipts.

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BUREAU OF STEAM ENGINEERING.

ENGINEERING: * * * Steam engineering. maintenance and operation of coast signal service, including expenses of office of superintendent of radio service * * * *Provided further,* That such land of the United States under the control of a particular department or other branch of the Government that has been or may hereafter be mutually selected as a site for a naval radio station may,

by direction of the President, be transferred to and placed under the control and jurisdiction of the Navy Department for use as a naval radio station or other naval purposes: * * * *Provided further*, That so much of the foregoing and of current appropriations as may be necessary may be used to complete the construction of the machinery of the fuel ship Maumee: *Provided further*, That an expenditure under this appropriation of not exceeding \$10,000 for the purchase and construction of antennæ and supports for the State, War, and Navy Department Buildings for the use of the naval radio service is hereby authorized; in all, engineering, \$9,056,376.28: *Provided further*, That an expenditure under this appropriation of not exceeding \$4,500 is authorized for the installation of a pneumatic tube between the communication office in the State, War, and Navy Building, and the branch communication office in the Navy annex.

* * * * *
 For the construction of propelling engines for the North Dakota, Salem, Mayrant, and Henley, to be available until expended, \$1,000,000.

Machinery
plants.

* * * * *
 Machinery plants: For repairs and improvements of machinery plants at navy yards at Portsmouth, New Hampshire, \$25,000; Boston, Massachusetts, \$35,000; New York, New York, \$25,000; Philadelphia, Pennsylvania, \$25,000; Norfolk, Virginia, \$25,000; Charleston, South Carolina, \$20,000; Mare Island, California, \$25,000; and Puget Sound, Washington, \$20,000; in all, \$200,000.

NAVAL ACADEMY.

Naval Academy.

PAY OF PROFESSORS AND OTHERS, NAVAL ACADEMY:
 * * * *Provided*, That the Secretary of the Navy is authorized to employ at the Naval Academy such number of professors and instructors, including one professor as librarian, as, in his opinion, may be necessary for the proper instruction of the midshipmen; and that professors and instructors so employed shall receive such compensation for their services as may be prescribed by the Secretary of the Navy: *Provided further*, That the total amount so paid shall not exceed \$175,000 annually: *And provided further*, That the Secretary of the Navy shall report to Congress each year the number of professors and instructors so employed and the amount of compensation prescribed for each.

* * * * *
 * * * four clerks, at \$840 each; one stenographer at \$840; * * * one attendant at \$300. * * *

DEPARTMENT OF ORDNANCE AND GUNNERY: One leading ordnanceman, \$960; one ordnanceman at \$750; one at \$660; one at \$540; two ordnance helpers, at \$480 each; and one writer, \$600; in all, \$4,470.

DEPARTMENTS OF ELECTRICAL ENGINEERING AND PHYSICS: One electrical machinist, at \$1,180; one electrical machinist, at \$1,180; * * * in all, \$4,720.

DEPARTMENT OF SEAMANSHIP: One clerk at \$840; * * *

DEPARTMENT OF MARINE ENGINEERING AND NAVAL CONSTRUCTION: * * * one instructor in mechanical drawing, \$2,000; * * *

COMMISSARY DEPARTMENT: * * * six cooks, at \$600 each, and ten assistants, at \$360 each; one steward, \$1,200, and one assistant, \$1,080; one head waiter, \$840, * * * four pantry men, at \$420 each; * * * five bakers, \$600 each; * * * three assistants, \$480; four baker helpers, at \$300 each; fifty waiters, at \$20 per month each, and fifty waiters, at \$16 per month each, \$21,600; * * * twenty-nine attendants, at \$400 each, \$11,600; three coffeemen, at \$300 each; three dish pantrymen, at \$300 each; three firemen, at \$300 each; two utility men, at \$300 each; one lineman, at \$300; two seamstresses, at \$420 each; three clerks, at \$360 each; in all, \$61,400.

* * * * *

From and after the passage of this Act there shall be appointed every year, in the following manner, a Board of Visitors, ^{Board of Visitors.} to visit the academy, the date of the annual visit of the board aforesaid to be fixed by the Secretary of the Navy: Seven persons shall be appointed by the President and four Senators and five Members of the House of Representatives shall be designated as visitors by the Vice President or President pro tempore of the Senate and the Speaker of the House of Representatives, respectively, in the month of January of each year. The chairman of the Committee on Naval Affairs of the Senate and chairman of the Committee on Naval Affairs of the House of Representatives shall be ex officio members of said board.

Each member of said board shall receive while engaged upon duties as a member of the board not to exceed \$5 a day and actual expenses of travel by the shortest mail routes.

For expenses of the Board of Visitors to the Naval Academy, \$3,000.

* * * * *

MARINE CORPS.

PAY, MARINE CORPS: Pay of officers, active list: ^{Marine Corps.} * * * including clerks for assistant paymasters, nine, and for the following additional officers hereby authorized, \$1,421,849.

Hereafter the total number of commissioned officers of ^{Percentage of} the active list of the line and staff of the Marine Corps, ^{commissioned} exclusive of officers borne on the Navy list as additional ^{officers.} numbers, shall be four per centum of the total authorized

enlisted strength of the active list of the Marine Corps, exclusive of the Marine Band, and of men under sentence of discharge by court-martial, distributed in the proportion of one officer with rank senior to colonel to four with the rank of colonel, to five with the rank of lieutenant colonel, to fourteen with the rank of major, to thirty-seven with the rank of captain, to thirty-one with the rank of first lieutenant, to thirty-one with the rank of second lieutenant: *Provided further*, That brigadier generals shall be appointed from officers of the Marine Corps senior in rank to lieutenant colonel: *Provided further*, That the promotion to the grade of brigadier general of any officer now or hereafter carried as an additional number in the grade or with the rank of colonel shall be held to fill a vacancy in the grade of brigadier general: *Provided further*, That in determining the officers with rank senior to colonel there shall be included the officer serving as major general commandant: *And provided further*, That appointments hereafter made to the position of major general commandant under the provisions of the Act approved December nineteenth, nineteen hundred and thirteen, entitled "An Act to make the tenure of office of the major general commandant of the Marine Corps for a term of four years," shall be made from officers of the active list of the Marine Corps not below the rank of colonel: *Provided further*, That the officers serving in the senior grade of the Adjutant and Inspector's, Quartermaster's, and Paymaster's Departments shall, while serving therein, have the rank, pay, and allowances of a brigadier general: *And provided further*, That for the purpose of determining the number of officers in the various ranks as herein provided such staff officers shall be counted as being of the rank of colonel: *And provided further*, That officers holding permanent appointments in the staff departments shall not be eligible for appointment to the grade of brigadier general of the line as hereinbefore provided.

Percentage of
commissioned
staff officers.

The total commissioned personnel of the active list of the staff departments, whether serving therein under permanent appointments or under temporary detail, as herein provided, shall be eight per centum of the authorized commissioned strength of the Marine Corps, and of this total one-fifth shall constitute the adjutant and inspector's department, one-fifth the paymaster's department, and three-fifths the quartermaster's department.

No further permanent appointments shall be made in any grade in any staff department. Any vacancy hereafter occurring in the lower grade of any staff department shall be filled by the detail of an officer of the line for a period of four years unless sooner relieved; any vacancy hereafter occurring in the upper grade of any staff department shall be filled by the appointment of an officer with the rank of colonel holding a permanent appointment in the staff department in which the vacancy

exists, or of some other officer holding a permanent appointment in such staff department in which the vacancy exists, or in case there be no permanent staff officer with the rank of colonel in that department, or of a colonel of the line in case there be no officer holding a permanent appointment in such staff department. Such appointments shall be made by the President and be for a term of four years, and the officer so appointed shall be recommissioned in the grade to which appointed.

That prior to June thirtieth, nineteen hundred and eighteen, an officer holding a permanent appointment in any staff department may, upon his own application, with the approval of the President, be reappointed in the line of the Marine Corps in the grade and with the rank he would hold on the date of his reappointment if he had remained continuously in the line: *Provided*, That no officer holding a permanent appointment in any staff department shall be recommissioned in the line with the rank of colonel or lieutenant colonel: *Provided further*, That such staff officer shall, before being reappointed in the line of the Marine Corps as above provided, perform line duties for one year, at the expiration of which time he shall as a prerequisite to reappointment in the line be required to establish to the satisfaction of an examining board consisting of line officers of the Marine Corps his physical, mental, and professional fitness for the performance of line duty.

That for the purpose of advancement in rank to and including the grade of colonel, all commissioned officers of the line and staff of the Marine Corps shall be placed on a common list in the order of seniority each would hold had he remained continuously in the line. All advancements in rank to captain, major, lieutenant colonel, and colonel shall, subject to the usual examinations, be made from officers with the next junior respective rank, whether of the line or staff, in the order in which their names appear on said list.

Appointees to the grade of second lieutenant, if appointed from civil life, shall be between the ages of twenty and twenty-five years, and before receiving a commission in the Marine Corps, each appointee shall establish to the satisfaction of the Secretary of the Navy his mental, physical, moral, and professional qualifications for such commission: *Provided*, The President of the United States be, and hereby is, authorized, by and with the advice and consent of the Senate, to appoint as second lieutenants on the active list in the United States Marine Corps, to take rank at the foot of the list of second lieutenants as it stands at the date of reinstatement, former officers of the Marine Corps who resigned from the naval service in good standing: *Provided*, That they shall establish their moral, physical, mental, and professional qualifications to perform the duties of that grade to the satisfaction of the Secretary of the Navy:

Second Lieutenants. How appointed.

Probationary
period before
commissioned.

Provided further, That the Secretary of the Navy, in his discretion, may waive the age limit in favor of the aforesaid former officers of the Marine Corps: *Provided further*, That the prior service of such officers and the service after reinstatement shall be not less than thirty years before the age of retirement. That appointments from noncommissioned officers of the Marine Corps and from civil life shall be for a probationary period of two years and may be revoked at any time during that period by the Secretary of the Navy: *Provided further*, That the rank of such officers of the same date of appointment among themselves at the end of said probationary period shall, with the approval of the Secretary of the Navy, be determined by the report of a board of Marine officers who shall conduct a competitive professional examination under such rules as may be prescribed by the Secretary of the Navy and the rank of such officers so determined shall be as of date of original appointment with reference to other appointments to the Marine Corps: *Provided further*, That no midshipmen at the United States Naval Academy or cadet at the United States Military Academy who fails to graduate therefrom shall be eligible for appointment as a commissioned officer in the Marine Corps until after the graduation of the class of which he was a member.

Grades of marine
gunner,
quartermaster's
clerk.

That the warrant grades of marine gunner and quartermaster clerk are hereby established, and the appointment as herein prescribed of twenty marine gunners and twenty quartermaster clerks is hereby authorized. Officers in those grades shall have the rank and receive the pay, allowances and privileges of retirement of warrant officers in the Navy. They shall be appointed from the noncommissioned officers of the Marine Corps and clerks to quartermasters now serving as such and who have performed field service.

Rank of brigadier
general.

That officers of the Marine Corps with the rank of colonel who shall have served faithfully for forty-five years on the active list shall, when retired, have the rank of brigadier general; and such officers who shall hereafter be retired at the age of sixty-four years before having served for forty-five years, but who shall have served faithfully on the active list until retired, shall, on the completion of forty years from their entry in the naval service, have the rank of brigadier general.

The President is hereby authorized, within two years after the approval of this Act, by and with the advice and consent of the Senate, to transfer to the active list of the Marine Corps or Navy Pay Corps any officer under fifty years of age who may have been transferred from the active list to the retired list of the Marine Corps or Navy Pay Corps by the action of any retiring board for physical disability incurred in the line of duty: *Provided*, That such officer shall be transferred to the place on the active list which he would have had if he had not

been retired, and shall be carried as an additional number in the grade to which he may be transferred or at any time thereafter promoted: *Provided further*, That such officer shall establish to the satisfaction of the Secretary of the Navy his mental, moral, professional, and physical qualifications to perform the duties on the active list of the grade to which he is transferred. The provisions of sections fourteen hundred and ninety-three and fourteen hundred and ninety-four of the Revised Statutes of the United States shall apply to the Marine Corps.

In lieu of suspension from promotion of any officer of the Marine Corps who hereafter fails to pass a satisfactory professional examination for promotion, or who is now under suspension from promotion by reason of such failure, such officer shall suffer loss of numbers, upon approval of the recommendation of the examining board, in the respective ranks, as follows: Lieutenant colonel, one; major, two; captain, three; first lieutenant, five; second lieutenant, eight: *Provided*, That any such officer shall be reexamined as soon as may be expedient after the expiration of six months if he in the meantime again becomes due for promotion, and if he does not in the meantime again become due for promotion he shall be reexamined at such time anterior to again becoming due for promotion as may be for the best interests of the service: *Provided further*, That if any such officer fails to pass a satisfactory professional reexamination he shall be honorably discharged with one year's pay from the Marine Corps.

For pay of officers prescribed by law, on the retired list: Pay of retired officers.
 For two major generals, * * * four lieutenant colonels, * * * three second lieutenants, * * *

Pay of enlisted men, active list: Pay of enlisted men. Pay and allowances of noncommissioned officers, musicians, and privates, as prescribed by law, and for the following additional enlisted men hereby authorized: Twenty-eight sergeants major, one hundred and seventeen quartermaster sergeants, one hundred and seven first sergeants, one hundred and seven gunnery sergeants, five hundred sergeants, eight hundred and thirty-five corporals, fifty drummers, fifty trumpeters, three thousand two hundred and thirty-five privates; and hereafter the number of enlisted men of the Marine Corps shall be exclusive of those sentenced by court-martial to discharge, and for the expenses of clerks of the United States Marine Corps traveling under orders, and * * *

The President is authorized, when, in his judgment, it becomes necessary to place the country in a complete state of preparedness, to further increase the enlisted strength of the Marine Corps to seventeen thousand four hundred: *And provided*, That the distribution in the various grades shall be in the same proportion as that authorized at the time when the President avails himself of the authority herein granted. President to increase strength of Marine Corps.

Marine band.

That the band of the United States Marine Corps shall consist of one leader, whose pay and allowances shall be those of a captain in the Marine Corps; one second leader, whose pay shall be \$150 per month and who shall have the allowances of a sergeant major; ten principal musicians, whose pay shall be \$125 per month; twenty-five first-class musicians, whose pay shall be \$100 per month; twenty second-class musicians, whose pay shall be \$85 per month; and ten third-class musicians, whose pay shall be \$70 per month; such musicians of the band to have the allowances of a sergeant and to have no increase in the rates of pay on account of length of service: *Provided*, That a member of the said band shall not, as an individual, furnish music, or accept an engagement to furnish music, when such furnishing of music places him in competition with any civilian musician or musicians, and shall not accept or receive remuneration for furnishing music except under special circumstances when authorized by the President.

For pay and allowances prescribed by law of enlisted men on the retired list: For seven sergeants major, * * * twenty-three gunnery sergeants, twenty-seven quartermaster sergeants, forty first sergeants, sixty-four sergeants, seventeen corporals, nineteen first-class musicians, * * * and twenty-two privates, * * *

Undrawn clothing: For payment to discharged enlisted men for clothing undrawn, \$100,000.

Mileage: For mileage to officers traveling under orders without troops, \$58,000.

For commutation of quarters of officers on duty without troops where there are no public quarters, \$61,000.

PAY OF CIVIL FORCE: In the office of the major general commandant: * * * one clerk, at \$1,800; * * *

In the office of the adjutant and inspector: * * * one clerk at \$1,800; * * *

In the office of the quartermaster: * * * one clerk, at \$1,800; * * *

MAINTENANCE, QUARTERMASTER'S DEPARTMENT, MARINE CORPS.

Quartermaster's Department.

PROVISIONS, MARINE CORPS: * * * payments of board and lodging * * * or in lieu of board, commutation of rations to recruiting parties; * * *

Fuel, Marine Corps.

FUEL, MARINE CORPS: For heat, light, and commutation thereof * * *

Military stores.

MILITARY STORES, MARINE CORPS: * * * purchase of two armored automobiles, to cost not exceeding \$10,000 each, * * * procuring, preserving, and handling ammunition and other necessary military supplies, including a reserve supply of small-arms ammunition; in all \$1,657,021.74.

CAMPS OF INSTRUCTION: The Secretary of the Navy is hereby authorized to establish and maintain at such places as he may designate, and prescribe regulations for the government thereof, Marine Corps training camps for the instruction of citizens of the United States who make application and are designated for such training; no such camps to be in existence for a period longer than six weeks in each fiscal year, except in time of actual or threatened war; to use Marine Corps and such other Government property as he may deem necessary for the military training of such citizens while in attendance at such camps. The Quartermaster's Department, United States Marine Corps, is authorized to sell such articles of uniform clothing as may be prescribed at cost price to the volunteer citizens who are designated to participate in these instructions: *Provided*, That these citizens shall be required to furnish at their own expense transportation and subsistence to and from these camps, and subsistence while undergoing training therein. The sum of \$31,000 is hereby appropriated to carry into effect the foregoing provisions.

Camps of instruction.

TRANSPORTATION AND RECRUITING, MARINE CORPS:
 * * * *Provided*, That authority is hereby granted to employ the services of advertising agencies in advertising for recruits under such terms and conditions as are most advantageous to the Government.

COMMUTATION OF QUARTERS, MARINE CORPS: Commutation of quarters for enlisted men on recruiting duty, for officers and enlisted men serving with troops * * *

Commutation of quarters.

CONTINGENT, MARINE CORPS: * * * purchase, hire, repair, and maintenance of such harness, wagons, motor wagons, armored automobiles, * * *

Contingent.

For the authorized expenses of the Marine Corps Reserve, \$25,000.

INCREASE OF THE NAVY.

For the purpose of further increasing the Naval Establishment of the United States, the President of the United States is hereby authorized to undertake prior to July first, nineteen hundred and nineteen, the construction of the vessels enumerated below:

Increase of the Navy.

Ten first-class battleships, carrying as heavy armor and as powerful armament as any vessels of their class, to have the highest practicable speed and greatest desirable radius of action; four of these at a cost, exclusive of armor and armament, not to exceed \$11,500,000 each, to be begun as soon as practicable.

Ten battleships.

Six battle cruisers, carrying suitable armor and as powerful armament as any vessels of their class, to have the highest practicable speed and greatest desirable radius

Six battle cruisers.

of action; four of these to cost, exclusive of armor and armament, not to exceed \$16,500,000 each, to be begun as soon as practicable.

Ten scout
cruisers.

Ten scout cruisers, carrying suitable protection and armament suited to their size and type, to have the highest practicable speed and greatest desirable radius of action; four to cost, exclusive of armor and armament, not to exceed \$5,000,000 each, to be begun as soon as practicable.

Fifty torpedo-
boat destroyers.

Fifty torpedo-boat destroyers, to have the highest practicable speed and greatest desirable radius of action; twenty to cost, exclusive of armor and armament, not to exceed \$1,200,000 each, to be begun as soon as practicable: *Provided*, That not less than four of these shall be built on the Pacific coast: *Provided further*, That the cost of construction on the Pacific coast does not exceed the cost of construction on the Atlantic coast, plus the cost of transportation from the Atlantic to the Pacific.

Nine fleet sub-
marines.

Nine fleet submarines.

Fifty-eight
coast submarines.

Fifty-eight coast submarines, of which number three to have a surface displacement of about eight hundred tons each, to cost, exclusive of armor and armament, not to exceed \$1,200,000 each, and twenty-seven, which shall be the best and most desirable and useful type of submarine which can be procured at a cost, exclusive of armor and armament, not to exceed \$700,000 each, shall be begun as soon as practicable; and the sum of \$8,217,000 is hereby appropriated for the construction of said submarines, to be available until expended. Not less than twelve of the submarines herein authorized to be begun as soon as practicable shall be built on the Pacific coast: *Provided*, That the cost of construction on the Pacific coast does not exceed the cost of construction on the Atlantic coast, plus the cost of transportation from the Atlantic to the Pacific.

One submarine, equipped with the Neff system of submarine propulsion, exclusive of armor and armament, \$250,000: *Provided*, That the owners of the Neff system of submarine propulsion will construct, in accordance with drawings, plans, and specifications provided by them, one coast-defense submarine of about one hundred and fifty tons displacement when submerged, carrying armor and armament similar and equal to that of the "C" class of submarines, with fittings, equipment, machinery, devices, appliances, and appurtenances of every kind with latest improvements, complete in all respects, and suitable for naval purposes: *Provided further*, That the money appropriated for this purpose shall not be paid to the builders of said boat until the same has been completed, passed satisfactory service tests, and been accepted by the Secretary of the Navy; but upon such completion, tests, and acceptance by the Secretary of the Navy the sum appropriated shall be paid.

Three fuel ships, one at a cost not to exceed \$1,500,000, to be begun as soon as practicable. Three fuel ship.

One repair ship. One repair ship.

One transport. One transport.

One hospital ship, at a cost not to exceed \$2,350,000, to be begun as soon as practicable. One hospital ship.

Two destroyer tenders. Two destroyer tenders.

One fleet submarine tender. One submarine tender.

Two ammunition ships, one at a cost, exclusive of armor and armament, not to exceed \$2,350,000, to be begun as soon as practicable. Two ammunition ships.

Two gunboats, one at a cost, exclusive of armor and armament, not to exceed \$860,000, to be begun as soon as practicable: *Provided*, That the sixty-six vessels directed herein to be begun as soon as practicable shall be contracted for or shall be begun in navy yards with in six months from the date of the approval of this Act. Two gunboats.

* * * * *

INCREASE OF THE NAVY, AMMUNITION: Toward ammunition for the vessels herein authorized, to be available until expended, \$19,485,500.

Total increase of the Navy heretofore and herein authorized, \$139,345,287.

To provide for the speedy construction of the vessels herein authorized and for the additional cost incident thereto, including the employment of more than one shift of labor per day, overtime work, and the speedy delivery of material, the Secretary of the Navy in his discretion is hereby authorized to increase the total cost of each of said vessels, including armor and armament, not to exceed twenty per centum thereof if any of said vessels be constructed in Government navy yards; and if any of said vessels or the armor or armament for same be constructed by private contract, the Secretary of the Navy in his discretion is hereby authorized to prescribe in the contracts for same provisions for the payment of premiums over and above the contract price, not to exceed twenty per centum thereof, for the most expeditious delivery of same, and further provisions for penalties for delays and failure to complete within the contract time: *Provided*, That if, in the judgment of the Secretary of the Navy, the most rapid and economical construction of the battle cruisers authorized herein can be obtained thereby, he may contract for the construction of any or all of them upon the basis of actual cost, plus a reasonable profit to be determined by him. That each and every employee of the navy yards, gun factories, naval stations, and arsenals of the United States Government is hereby granted thirty days' leave of absence each year, without forfeiture of pay during such leave: *Provided further*, That it shall be lawful to allow pro rata leave only to those serving twelve consecutive months or

more: *And provided further*, That in all cases the heads of divisions shall have discretion as to the time when the leave can best be allowed: *And provided further*, That not more than thirty days' leave with pay shall be allowed any such employee in one year: *Provided further*, That this provision shall not be construed to deprive employees of any sick leave or legal holidays to which they may now be entitled under existing law.

Improve and
equip navy
yards.

The Secretary of the Navy is authorized to improve and equip the navy yards at Puget Sound, Philadelphia, Norfolk, New York, Boston, Portsmouth, Charleston, and New Orleans for the construction of such ships herein or as may be hereafter authorized as may be assigned to such yards for construction, and the sum of \$6,000,000, or so much thereof as may be necessary, is hereby appropriated for this purpose: *Provided*, That the Secretary of the Navy is authorized to equip the navy yards at Norfolk, Philadelphia, Boston, and Puget Sound for the construction of capital ships.

The Secretary of War and the Secretary of the Navy are authorized and directed to report to Congress at the earliest practicable date:

First. Specific plans for improvement of the harbors and canals and connecting channels which, in their judgment, will best provide adequate facilities for operations of the fleet for defense of the harbors on the Atlantic, Gulf, and Pacific coasts of the United States.

Second. The feasible extensions requisite to make existing approved projects for improvement of the aforementioned harbors, canals, and channels available for the purposes stated in the foregoing paragraph.

Third. The cost of each such several improvements calculated upon the basis of completion thereof under contract within five years.

It is hereby declared to be the policy of the United States to adjust and settle its international disputes through mediation or arbitration, to the end that war may be honorably avoided. It looks with apprehension and disfavor upon a general increase of armament throughout the world, but it realizes that no single nation can disarm, and that without a common agreement upon the subject every considerable power must maintain a relative standing in military strength.

President to
invite Govern-
ments to send
representatives
to formulate
plan of arbitra-
tion in future.

In view of the premises, the President is authorized and requested to invite, at an appropriate time, not later than the close of the war in Europe, all the great Governments of the world to send representatives to a conference which shall be charged with the duty of formulating a plan for a court of arbitration or other tribunal, to which disputed questions between nations shall be referred for adjudication and peaceful settlement, and to consider the question of disarmament and submit their recommendation to their respective Governments for approval. The President is hereby authorized to appoint nine citizens

of the United States, who, in his judgment, shall be qualified for the mission by eminence in the law and by devotion to the cause of peace, to be representatives of the United States in such a conference. The President shall fix the compensation of said representatives, and such secretaries and other employees as may be needed. Two hundred thousand dollars, or so much thereof as may be necessary, is hereby appropriated and set aside and placed at the disposal of the President to carry into effect the provisions of this paragraph.

If at any time before the construction authorized by this Act shall have been contracted for there shall have been established, with the cooperation of the United States of America, an international tribunal or tribunals competent to secure peaceful determinations of all international disputes, and which shall render unnecessary the maintenance of competitive armaments, then and in that case such naval expenditures as may be inconsistent with the engagements made in the establishment of such tribunal or tribunals may be suspended, when so ordered by the President of the United States.

* * * * *

That no part of any sum herein appropriated shall be expended for the purchase of structural steel, ship plates, armor, armament, or machinery from any persons, firms, or corporations who are parties to any existing combination or conspiracy to monopolize the interstate or foreign commerce or trade of the United States, or the commerce or trade between the United States and any Territory or the District of Columbia, in any of the articles aforesaid, and no purchase of structural steel, ship plates, or machinery shall be made at a price in excess of a reasonable profit above the actual cost of manufacture. But this limitation shall in no case apply to any existing contract.

The Secretary of the Navy is hereby directed to submit to the Congress during its next regular session a report on the largest battleship which can be undertaken in the United States in the present state of the shipbuilding and engineering sciences and arts, giving due consideration to the present and prospective depths and other limiting dimensions of the docks and harbors of the United States and its possessions and of the locks of the Panama Canal, and he shall further report the principal characteristics of such a vessel, giving the displacement, cost, number and size of guns, thickness of armor, speed and cruising radius, and he shall further report on the desirability of building one or more such vessels.

Secretary to report on the largest battleship which can be built.

* * * * *

Approved, August 29, 1916.

SIXTY-FOURTH CONGRESS, SECOND SESSION—MARCH 4, 1917.

[PUBLIC—No. 391—64TH CONGRESS.]

[H. R. 20632.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and eighteen, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the following sums be, and they are hereby, appropriated, to be paid out of any money in the Treasury not otherwise appropriated, for the naval service of the Government for the year ending June thirtieth, nineteen hundred and eighteen, and for other purposes:

PAY, MISCELLANEOUS.

Pay, miscellaneous.

The Secretary of the Navy shall send to Congress at the beginning of its next regular session a complete schedule or list showing the amount of money of all pay and for all allowances for each grade of officers in the Navy, including retired officers, and for all officers included in this Act and for all enlisted men so included.

Schedule of all pay and allowances to be sent to Congress.

For commissions and interests; transportation of funds; exchange; mileage to officers while traveling under orders in the United States, and for actual personal expenses of officers while traveling abroad under orders, and for traveling expenses of civilian employees, and for actual and necessary traveling expenses of midshipmen while proceeding from their homes to the Naval Academy for examination and appointment as midshipmen; for actual traveling expenses of female nurses; actual expenses of officers while on shore patrol duty; *mileage to officers of the Naval Reserve Force traveling under orders of the Secretary of the Navy*; hire of launches or other small boats in Asiatic waters; for rent of buildings and offices not in navy yards, including the rental of offices in the District of Columbia; expenses of courts-martial, prisoners and prisons, and courts of inquiry, boards of inspection, examining boards, with clerks' and witnesses' fees, and traveling expenses and costs; expenses of naval defense districts; stationery and recording; religious books; newspapers and periodicals for the naval service; all advertising for the Navy Department and its bureaus (except advertising for recruits for the Bureau of Navigation); copying; ferriage; tolls; costs of suits; commissions, war-

Miscellaneous expenses.

- rants, diplomas, and discharges; relief of vessels in distress; recovery of valuables from shipwrecks; quarantine expenses; reports; professional investigation; cost of special instruction at home and abroad, including maintenance of students and attachés; information from abroad and at home, not exceeding \$100,000, and the collection and classification thereof; all charges pertaining to the Navy Department and its bureaus for ice for the cooling of drinking water on shore (except at naval hospitals), telephone rentals and tolls, telegrams, cablegrams, and postage, foreign and domestic, and post-office box rentals; and other necessary and incidental expenses: *Provided*, That the sum to be paid out of the appropriation, under the direction of the Secretary of the Navy, for clerical, inspection, and messenger service in navy yards, naval stations, for the fiscal year ending June thirtieth, nineteen hundred and eighteen, shall not exceed \$215,000, and for necessary expenses for the interned persons and prisoners of war under the jurisdiction of the Navy Department, including funeral expenses for such interned persons or prisoners of war as may die while under such jurisdiction; in all, \$1,134,000: *Provided*, That the Secretary of the Navy is authorized to lease for a period not to exceed three years storage facilities in the vicinity of the navy yard, Norfolk, at an annual rental of not exceeding \$14,000, to be paid out of the appropriation "Pay, miscellaneous."
- CONTINGENT, NAVY:** For all emergencies and extraordinary expenses, exclusive of personal services in the Navy Department, or any of its subordinate bureaus or offices at Washington, District of Columbia, arising at home or abroad, but impossible to be anticipated or classified, to be expended on the approval and authority of the Secretary of the Navy, and for such purposes as he may deem proper, \$46,000.
- For actual expenses incurred by and in connection with the civilian Naval Consulting Board, \$25,000.
- INVESTIGATION OF FUEL OIL:** For an investigation of fuel oil and gasoline adapted to naval requirements, including the question of supply and storage and the availability economically and otherwise of such supply as may be afforded by the naval reserves on the public domain, and for such other expenses for transportation and hire of vehicles in connection with naval petroleum reserves as the Secretary of the Navy may deem appropriate; for the purchase of necessary instruments and appliances; for the extension of the naval fuel-oil testing plant at the navy yard, Philadelphia, Pennsylvania, and the temporary employment of civilian experts and assistants, \$60,000.
- AVIATION:** For aviation, to be expended under the direction of the Secretary of the Navy for procuring, producing, constructing, operating, preserving, storing, and handling aircraft, including rigid dirigibles, and appurtenances, maintenance of aircraft stations and experi-

Information from abroad, etc.

Provisos.

Allowances for clerical, etc., services at yards, etc.

Interned persons, etc.

Norfolk, Va., lease of storage facilities.

Contingent.

Civilian Consulting Board.

Fuel oil and gasoline. Investigation, etc., of.

Testing plant.

Aviation. General expenses.

mental work in development of aviation for naval purposes, \$5,133,000: *Provided*, That the sum to be paid out of this appropriation under the direction of the Secretary of the Navy for drafting, clerical, inspection, and messenger service for aircraft stations shall not exceed \$75,000.

Proviso.
Technical, etc., services.

To enable the Secretary of War and the Secretary of the Navy to secure by purchase, condemnation, donation, or otherwise, such basic patent or patents as they may consider necessary to the manufacture and development of aircraft in the United States and its dependencies, for governmental and civil purposes, under such regulations as the Secretary of War and the Secretary of the Navy may prescribe, \$1,000,000.

Securing basic aircraft patents.

Provided, That such arrangements may be made in relation to the purchase of any basic patent connected with the manufacture and development of aircraft in the United States as in the judgment of the Secretary of War and the Secretary of the Navy will be of the greatest advantage to the Government and to the development of the industry.

Proviso.
Arrangements authorized.

Provided further, That in the event there shall be pending in court litigation involving the validity of said patent or patents, bond, with good and approved security in an amount sufficient to indemnify the United States, shall be required, payable to the United States, conditioned to repay to the United States the amount paid for said patent or patents in the event said patent or patents are finally adjudged invalid.

Indemnity bond for validity of patents.

NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS: For scientific research, technical investigations, and special reports in the field of aeronautics, including the necessary laboratory and technical assistants; traveling expenses of members and employees; rent (office in the District of Columbia not to exceed \$1,500); office supplies, printing, and other miscellaneous expenses; clerks; draftsmen; personal services in the field and in the District of Columbia: *Provided*, That the sum to be paid out of this appropriation for clerical, drafting, watchmen, and messenger service for the fiscal year ending June thirtieth, nineteen hundred and eighteen, shall not exceed \$12,000; in all, \$107,000.

Advisory Committee for Aeronautics. Expenses, employees, etc.

Proviso.
Clerical, etc., services.

The balances under the several items of the appropriation "National Advisory Committee for Aeronautics," carried in the Act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and seventeen, approved August twenty-ninth, nineteen hundred and sixteen, are hereby consolidated into a single fund and may be expended by the committee for its purposes as stated in the paragraph of Public Act Numbered Two hundred and seventy-one, Sixty-third Congress, approved March third, nineteen hundred and fifteen, establishing the committee.

Use of balances.

STATE MARINE SCHOOLS: To reimburse the State of New York, \$25,000, and the State of Massachusetts, \$25,000, for expenses incurred in the maintenance and support of marine schools in those States in accordance with section two of the Act entitled "An Act for the establishment of marine schools, and for other purposes,"

State marine schools. Reimbursing New York and Massachusetts.

approved March fourth, nineteen hundred and eleven; in all, \$50,000.

Lepers. Care,
etc., Cullion, P. I.

CARE OF LEPERS, ISLANDS OF GUAM AND CULION: Naval station, island of Guam: Maintenance and care of lepers, special patients, and for other purposes, including cost of transfer of lepers from Guam to the island of Cullion, in the Philippines, and their maintenance, \$20,000.

Bureau of Nav-
igation.

BUREAU OF NAVIGATION.

Transportation.

Transportation: For travel allowance of enlisted men discharged on account of expiration of enlistment; transportation of enlisted men and apprentice seamen and applicants for enlistment at home and abroad, with subsistence and transfers en route, or cash in lieu thereof; transportation to their homes, if residents of the United States, of enlisted men and apprentice seamen discharged on medical survey, with subsistence and transfers en route, or cash in lieu thereof; transportation of sick or insane enlisted men and apprentice seamen to hospitals, with subsistence and transfers en route, or cash in lieu thereof; *transportation of enrolled men of the Naval Reserve Force to and from duty, with subsistence and transfers en route, or cash in lieu thereof*; apprehension and delivery of deserters and stragglers, and for railway guides and other expenses incident to transportation, \$1,060,524.

Naval Reserve
Force.

Recruiting.

Recruiting: Expenses of recruiting for the naval service; rent of rendezvous and expenses of maintaining the same; *purchase, rental, maintenance, operation, exchange, and repair of motor-propelled passenger-carrying vehicles for official use*; advertising for and obtaining men and apprentice seamen; actual and necessary expenses in lieu of mileage to officers on duty with traveling recruiting parties, \$419,228.84.

Discharges.

So much of the Act entitled "An Act making appropriations for the Naval Service for the fiscal year ending June thirtieth, nineteen hundred and seventeen," and approved August twenty-ninth, nineteen hundred and sixteen, which reads as follows, is hereby repealed:

Discharges af-
ter one year's sea
service, etc.

"Provided, That any person who may hereafter enlist in the Navy for the first time shall, in time of peace, if he so elects, receive discharge therefrom without cost to himself during the month of June or December, respectively, following the completion of one year's service at sea. An honorable discharge may be granted under this provision; but when so granted shall not entitle the holder, in case of reenlistment, to the benefits of an honorable discharge granted upon completion of an enlistment: *And provided further*, That, at the time, he is not under charges, or undergoing punishment, or in debt to the Government."

Conditions.

Provided, That the provisions of this section shall not apply to enlistments under the operation of the Act hereby repealed. Not applicable to enlistments under repealed law.

The Act entitled "An Act authorizing certain officers of the Navy and Marine Corps to administer oaths," approved January twenty-fifth, eighteen hundred and ninety-five, as amended by the Act of March third, nineteen hundred and one, be, and the same is hereby, further amended so as to read as follows: Administration of oaths.

That judges advocate of naval general courts-martial and courts of inquiry, and all commanders in chief of naval squadrons, commandants of navy yards and station, officers commanding vessels of the Navy, and recruiting officers of the Navy, and the adjutant and inspector, assistants adjutant and inspector, commanding officers, recruiting officers of the Marine Corps, and such other officers of the Regular Navy and Marine Corps of the Naval Reserve Force, of the Marine Corps Reserve, and of the National Naval Volunteers as may be hereafter designated by the Secretary of the Navy, be, and they are hereby, authorized to administer oaths for the purposes of the administration of naval justice and for other purposes of naval administration. Officers authorized to administer oaths. Reserves and Volunteers added.

That hereafter the Secretary of the Navy may authorize the senior officer present, or other commanding officer, on a foreign station to order boards of medical examiners, examining boards, and retiring boards for the examination of such candidates for appointment, promotion, and retirement in the Navy and Marine Corps as may be serving in such officer's command and may be directed to appear before any such board. Examining boards at foreign stations authorized.

Contingent: Ferriage, continuous-service certificates, discharges, good-conduct badges, and medals for men and boys; purchase of gymnastic apparatus; transportation of effects of deceased officers and enlisted men of the Navy, and of officers and enrolled men of the Naval Reserve Force who die while on duty; books for training apprentice seamen and landsmen; maintenance of gunnery and other training classes, packing boxes and materials; books and models; stationery; and other contingent expenses and emergencies arising under cognizance of the Bureau of Navigation, unforeseen and impossible to classify, \$10,000.

GUNNERY AND ENGINEERING EXERCISES: Prizes, trophies, and badges for excellence in gunnery, target practice, engineering exercises and for economy in coal consumption, to be awarded under such rules as the Secretary of the Navy may formulate; for the purposes of printing, recording, classifying, compiling, and publishing the rules and results; for the establishment and maintenance of shooting galleries, target houses, targets and ranges; for hiring established ranges, and for transporting the civilian assistants and equipment to and from ranges, \$205,000. Gunnery and engineering exercises.

Outfits on first enlistments, etc.

OUTFITS ON FIRST ENLISTMENT: Outfits for all enlisted men and apprentice seamen of the Navy on first enlistment, at not to exceed \$60 each; *for the clothing gratuity of officers and men of the Naval Reserve Force, \$50 each for officers and \$30 each for men; in all, \$2,385,920.*

Naval auxiliaries.

MAINTENANCE OF NAVAL AUXILIARIES: Pay, transportation, shipping and subsistence of civilian officers and crews of naval auxiliaries, and all expenses connected with naval auxiliaries employed in emergencies which can not be paid from other appropriations, *\$1,144,390.*

Equipment supplies, instruments, etc.

Instruments and supplies: Supplies for seamen's quarters; and for the purchase of all other articles of equipage at home and abroad; and for the payment of labor in equipping vessels therewith and manufacture of such articles in the several navy yards; all pilotage and towage of ships of war; canal tolls, wharfage, dock and port charges, and other necessary incidental expenses of a similar nature; services and materials in repairing, correcting, adjusting, and testing compasses on shore and on board ship; nautical and astronomical instruments and repairs to same; libraries for ships of war, professional books, schoolbooks, and papers; compasses, compass fittings, including binnacles, tripods, and other appendages of ship's compasses; logs and other appliances for measuring the ship's way, and leads and other appliances for sounding; photographs, photographic instruments and materials, printing outfit and materials, *\$450,000.*

Ocean and lake surveys.

OCEAN AND LAKE SURVEYS: Hydrographic surveys, including the pay of the necessary hydrographic surveyors, cartographic draftsmen and recorders, and for the purchase and printing of nautical books, charts, and sailing directions, *\$105,000: Provided, That the Secretary of the Navy is authorized to detail such naval officers not exceeding four as may be necessary to the Hydrographic Office.*

Naval Militia, arming, equipping, pay, etc.

ARMING AND EQUIPPING NAVAL MILITIA: For the pay, subsistence, and transportation of such portion of the Naval Militia and National Naval Volunteers as shall engage in actual service or instruction afloat or on shore, and for pay, transportation, and subsistence of any part of the Naval Militia as shall participate in any cruise, maneuvers, field or other instruction, or encampment of any part of the Regular Navy afloat, on shore, or in the Office of Naval Militia Affairs; for prizes, trophies, and badges for excellence in gunnery exercises and target practice of the Naval Militia; for the purpose of providing for issue to the Naval Militia any stores and supplies or publications which are supplied to the Navy by any department; for the actual and necessary traveling expenses, together with a per diem not to exceed \$10 to be established by the Secretary of the Navy, of the Naval Militia Board appointed by the Secretary of the Navy; and for the necessary clerical and office ex-

Naval Militia Board.

penses of the *Office of Naval Militia Affairs in the Bureau of Navigation*, and for retainer pay of officers and enlisted men, and traveling and other necessary expenses of the Naval Militia and National Naval Volunteers, \$1,527,617.70.

Naval Militia Affairs Office.

Retainer pay.

For the completion of the alteration, installation of machinery, and repair of the United States ship *Topaka*, \$85,500.

"Topeka," altering, etc.

That so much of the Act entitled "*An Act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and seventeen, and for other purposes*," approved August twenty-ninth, nineteen hundred and sixteen, which reads as follows:

Volunteer patrol squadrons.

"The Secretary of the Navy is hereby authorized to sell at cost and issue lubricating oil and gasoline to vessels of the Volunteer Patrol Squadrons duly enrolled in the several naval districts; and that during maneuvers or practice drills, when any of the vessels of said Patrol Boat Squadrons shall be acting singly or as squadrons under the direct command or control of an officer or officers of the United States Navy, gasoline fuel shall be supplied to them free of charge," be, and the same is hereby, amended as follows:

Sale of lubricating oil and gasoline at cost. Free fuel at maneuvers, etc.

The word "gasoline" where it first occurs be, and it is hereby, stricken out and the word "fuel" substituted therefor; that the word "gasoline" where it occurs the second time in said paragraph be, and it is hereby, stricken out.

"Gasoline" stricken out and "fuel" substituted.

NAVAL TRAINING STATION, CALIFORNIA: Maintenance of naval training station, Yerba Buena Island, California: Labor and material; buildings and wharves; general care, repairs, and improvements of grounds, buildings, and wharves; wharfage, ferriage, and street car fare; purchase and maintenance of live stock, and attendance on same; wagons, carts, implements, and tools, and repairs to same, including the maintenance, repair, and operation of one horse-drawn passenger-carrying vehicle to be used only for official purposes; fire engines and extinguishers; gymnastic implements, models and other articles needed in instruction of apprentice seamen; printing outfit and materials, and maintenance of same; heating and lighting; stationery, books, schoolbooks, and periodicals; fresh water, and washing; packing boxes and materials; and all other contingent expenses; maintenance of dispensary building; lectures and suitable entertainments for apprentice seamen; in all, \$92,000.

Training stations. Yerba Buena Island, Cal.

NAVAL TRAINING STATION, RHODE ISLAND: Maintenance of naval training station, Coasters Harbor Island, Rhode Island: Labor and material; buildings and wharves; dredging channels; extending sea walls; repairs to causeway and sea wall; general care, repairs, and improvements of grounds, buildings, and wharves; wharfage, ferriage, and street car fare; purchase and maintenance of live stock, and attendance on same; wagons, carts, implements, and tools, and repairs to same, including the maintenance, repair, and operation of two

Coasters Harbor Island, R. I.

- horse-drawn passenger-carrying vehicles to be used only for official purposes; fire engines and extinguishers; gymnastic implements; models and other articles needed in instruction of apprentice seamen; printing outfit and materials, and maintenance of same; heating and lighting; stationery, books, schoolbooks, and periodicals; fresh water, and washing; packing boxes and materials; and all other contingent expenses; lectures and suitable entertainments for apprentice seamen; in all \$100,000: *Provided*, That the sum to be paid out of this appropriation under the direction of the Secretary of the Navy for clerical, drafting, inspection, and messenger service for the fiscal year ending June thirtieth, nineteen hundred and eighteen, shall not exceed \$5,701.60.
- Proviso.**
Clerical, etc., services.
- Great Lakes.** NAVAL TRAINING STATION, GREAT LAKES: Maintenance of naval training station: Labor and material; general care, repairs, and improvements of grounds, buildings, and piers; street car fare; purchase and maintenance of live stock, and attendance on same; motor-propelled vehicles, wagons, carts, implements, and tools, and repairs to same, including the maintenance, repair, and operation of one motor-propelled passenger-carrying vehicle, and one horse-drawn passenger-carrying vehicle to be used only for official purposes; fire apparatus and extinguishers; gymnastic implements; models and other articles needed in instruction of apprentice seamen; printing outfit and material, and maintenance of same; heating and lighting, and repairs to power-plant equipment, distributing mains, tunnel, and conduits; stationery, books, schoolbooks, and periodicals; washing; packing boxes and materials; lectures and suitable entertainments for apprentice seamen; and all other contingent expenses: *Provided*, That the sum to be paid out of this appropriation under the direction of the Secretary of the Navy for clerical, drafting, inspection, and messenger service for the fiscal year ending June thirtieth, nineteen hundred and eighteen, shall not exceed \$1,500; in all, naval training station, Great Lakes, \$96,400.
- Proviso.**
Clerical, etc., services.
- Saint Helena, Va.** NAVAL TRAINING STATION, SAINT HELENA: Maintenance of naval training station; labor and material, general care, repairs, and improvements; schoolbooks; and all other incidental expenses, \$30,000.
- Naval Reserve Force.**
Expenses.
- NAVAL RESERVE FORCE: For expenses of organizing, administering, and recruiting the Naval Reserve Force, including clerical and messenger hire, office rent, furniture, stationery, and postage; printing, advertising, and other necessary expenses, \$130,000.
- Naval Reserve.**
Continuous service credit for reenlistments prior to May, 1917.
- Any former member of class one of the United States Naval Reserve, established by the Act of March third, nineteen hundred and fifteen, "An Act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and sixteen, and for other purposes," who shall have reenlisted in the Navy prior to May first, nineteen hundred and seventeen, shall

be held and considered to have reenlisted within four months from the date of discharge from the Navy for the purposes of continuous-service pay. And any such member of the said Naval Reserve who was serving therein on August twenty-ninth, nineteen hundred and sixteen, shall upon his application therefor, any time prior to July first, nineteen hundred and seventeen, be enrolled in the Naval Reserve Force, and any such person so enrolled shall, for all purposes, be considered as having served continuously in such Naval Reserve Force since August twenty-ninth, nineteen hundred and sixteen, with due credit for previous and continuous service in the Naval Reserve in the same manner and to the same effect as for equal length of service in the Naval Reserve Force: *Provided*, That no such enrolled person shall receive any back pay or allowances for any period during which he shall have received pay or allowances, or either, for service in any other branch of the naval service, regular or reserve.

Enrollment if serving Aug. 20, 1916.

Service credit for Naval Reserve Force.

Proviso. Pay restrictions.

SCHOOLS OR CAMPS OF INSTRUCTION, NAVAL RESERVE FORCE. For equipment and maintenance of schools and camps established for the purpose of instructing members of and applicants for membership in the Naval Reserve Force, \$30,000.

Instruction camps, etc. Expenses.

NAVAL WAR COLLEGE, RHODE ISLAND: For maintenance of the Naval War College on Coasters Harbor Island, including the maintenance, repair, and operation of one horse-drawn passenger-carrying vehicle to be used only for official purposes; and care of grounds for same, \$35,250; services of a lecturer on international law, \$2,000; services of civilian lecturers, rendered at the War College, \$300; care and preservation of the library, including the purchase, binding, and repair of books of reference and periodicals, \$1,300: *Provided*, That the sum to be paid out of this appropriation under the direction of the Secretary of the Navy for clerical, inspection, drafting, and messenger service for the fiscal year ending June thirtieth, nineteen hundred and eighteen, shall not exceed \$22,500; in all, Naval War College, Rhode Island, \$38,850.

Naval War College, R. I.

Proc. Clerical, etc., services.

NAVAL HOME, PHILADELPHIA, PENNSYLVANIA, PAY OF EMPLOYEES: One Secretary, \$1,800; one foreman mechanic, \$1,800; one superintendent of grounds, at \$900; one steward, at \$900; one store laborer, at \$540; one matron and office assistant, at \$600; one beneficiaries' attendant, at \$360; one chief cook, at \$540; one assistant cook, at \$420; one assistant cook, at \$360; one chief laundress, at \$300; five laundresses, at \$240 each; one chief scrubber, at \$300; three scrubbers, at \$240 each; one head waitress, at \$300; eight waitresses, at \$240 each; one kitchen attendant, at \$420; nine laborers, at \$420 each; one stable keeper and driver, at \$540; one master at arms, at \$720; two house corporals, at \$480 each; one barber,

Naval Home, Philadelphia, Pa. Pay of employees.

at \$480; one carpenter, at \$960; one painter, at \$960; one painter, at \$840; one engineer, \$960; four laborers, at \$600 each; two laborers, at \$660 each; one laborer, at \$420; total for employees, \$27,840.

Maintenance.

MAINTENANCE: Water rent, heating, and lighting; cemetery, burial expenses and headstones; general care and improvements of grounds, buildings, walls, and fences; repairs to power-plant equipment, implements, tools, and furniture, and purchase of the same; music in chapel and entertainments for beneficiaries; stationery, books, and periodicals; transportation of indigent and destitute beneficiaries to the Naval Home, and of sick and insane beneficiaries, their attendants and necessary subsistence for both, to and from other Government hospitals; employment of such beneficiaries in and about the Naval Home as may be authorized by the Secretary of the Navy, on the recommendation of the governor; support of beneficiaries, and all other contingent expenses, including the maintenance, repair, and operation of three horse-drawn passenger-carrying vehicles, to be used only for official purposes, \$87,805; in all, for Naval Home, \$115,645, which sum shall be paid out of the income from the naval pension fund: *Provided*, That all moneys derived from the sale of material at the Naval Home, which was originally purchased from moneys appropriated from the income from the naval pension fund, and all moneys derived from the rental of Naval Home property, shall *hereafter* be turned into the naval pension fund.

Payable from
Naval pension
fund.

Proviso.
Return to fund
of money re-
ceived, etc.

BUREAU OF ORDNANCE.

Bureau of Ord-
nance,
Ordnance and
ordnance stores.

ORDNANCE AND ORDNANCE STORES: For procuring, producing, preserving, and handling ordnance material; for the armament of ships; for fuel, material, and labor to be used in the general work of the Ordnance Department; for furniture at naval magazines, torpedo stations, and proving grounds; for maintenance of the proving ground and powder factory and for target practice; for the maintenance, repair, or operation of horse-drawn passenger-carrying vehicles, and one motor-propelled passenger-carrying vehicle, to be used only for official purposes at naval magazines, the naval proving ground, Indianhead, Maryland, and naval torpedo stations, and for pay of chemists, clerical, drafting, inspection, and messenger service in navy yards, naval stations, and naval magazines: *Provided*, That the sum to be paid out of this appropriation under the direction of the Secretary of the Navy for chemists, clerical, drafting, inspection, watchmen, and messenger service in navy yards, naval stations, and naval magazines for the fiscal year ending June thirtieth, nineteen hundred and eighteen, shall not exceed \$750,000; in all, \$8,488,333.

Passenger
vehicles, etc.

Proviso.
Chemical, etc.,
services.

Purchase and manufacture of smokeless powder, \$1,800,000: *Provided*, That no part of any money appropriated by this Act shall be expended for the purchase of powder other than small arms powder at a price in excess of 53 cents a pound: *Provided further*, That in expenditures of this appropriation, or any part thereof, for powder, no powder shall at any time be purchased unless the powder factory at Indianhead, Maryland, shall be operated on a basis of not less than its full maximum capacity.

Smokeless powder.
Provide.
 Price limited.
 Purchases subject to full operation of Indianhead plant.

FOR NAVAL GUN FACTORY, WASHINGTON, DISTRICT OF COLUMBIA: New and improved machinery for existing shops, \$307,036; repairs and betterments to present facilities, \$395,200; machinery and equipment for new gun shop, \$1,798,500; in all, \$2,500,736.

Naval gun factory, D. C.
 Machinery, etc.

PROJECTILE PLANT: To complete the erection and equipment of a plant for the manufacture of projectiles, on a site to be selected by the President, including the employment of all necessary expert, drafting, and clerical assistance, \$1,375,345, to be immediately available and to remain available until expended, and the limit of cost fixed in the Naval Appropriation Act, approved August twenty-ninth, nineteen hundred and sixteen, is hereby increased to \$2,080,956.

Projectile plant.
 Erection and equipment.

Cost increased.

NEW BATTERIES FOR SHIPS OF THE NAVY: For liners for eroded guns, to be available until June thirtieth, nineteen hundred and nineteen, \$100,000; for one twelve-inch, forty-five-caliber gun, to be available until June thirtieth, nineteen hundred and nineteen, \$60,000, for anti-aircraft guns and mounts complete, to be available until June thirtieth, nineteen hundred and nineteen, \$629,000; for machine guns and equipment, \$1,250,000; for one-pounder boat guns and mounts complete, to be available until June thirtieth, nineteen hundred and nineteen, \$162,000; in all, \$2,201,000.

New batteries for ships.

Anti-aircraft, machine and boat guns.

BATTERIES FOR MERCHANT AUXILIARIES: For batteries for merchant auxiliaries (to cost not exceeding \$6,381,174), to be immediately available and to continue available until June thirtieth, nineteen hundred and twenty, \$4,731,174.

Batteries for merchant auxiliaries.

AMMUNITION FOR MERCHANT AUXILIARIES: For ammunition for merchant auxiliaries, to be immediately available and to continue available until June thirtieth, nineteen hundred and twenty, \$7,731,941.

Ammunition.

NAVAL STATIONS: To provide anti-aircraft guns and ammunition at naval stations, \$3,800,000.

Anti-aircraft guns for stations.

AMMUNITION FOR SHIPS OF THE NAVY: For procuring, producing, preserving, and handling ammunition for issue to ships, \$3,500,000, to be available until expended.

Ammunition for ships.

ARMAMENT AND AMMUNITION FOR COAST GUARD CUTTERS: Toward the armament and ammunition for two Coast Guard cutters, to be available until expended, \$159,590.

Coast Guard cutters, armament, etc.

TORPEDOES AND APPLIANCES: For the purchase and manufacture of torpedoes and appliances, to be available until June thirtieth, nineteen hundred and twenty, \$1,049,280.

Torpedoes and appliances.

- RESERVE ORDNANCE SUPPLIES:** For a reserve of ordnance supplies to be available until June thirtieth, nine-hundred and *nineteen*, \$4,657,460.
- TORPEDO STATION, NEWPORT, RHODE ISLAND:** For labor and material; general care of and repairs to grounds, buildings, and wharves; boats, instruction, instruments, tools, experiments, and general torpedo outfits, \$100,000.
- Machinery.** For new and improved machinery and tools for torpedo factory, \$100,000.
- Submarine base, New London, Conn. Establishing.** For the further development of the submarine base at New London, Connecticut, including the erection and equipment of repair shops, the provision of additional berthing space, and the erection of quarters and barracks for officers and men, \$1,250,000.
- EXPERIMENTAL WORK, BUREAU OF ORDNANCE:** For experimental work in the development of armor-piercing and torpedo shell and other projectiles, fuses, powders, and high explosives, in connection with problems of the attack of armor with direct and inclined fire at various ranges, including the purchase of armor, powder, projectiles, and fuses for the above purposes and of all necessary material and labor in connection therewith; and for other experimental work under the cognizance of the Bureau of Ordnance in connection with the development of ordnance material for the Navy, \$100,000.
- CONTINGENT BUILDING FUND, BUREAU OF ORDNANCE:** For minor extensions and improvements of public works under the cognizance of the Bureau of Ordnance, \$10,000.
- REPAIRS, BUREAU OF ORDNANCE:** For necessary repairs to ordnance buildings, magazines, wharves, machinery, and other items of like character, \$30,000.
- CONTINGENT, BUREAU OF ORDNANCE:** For miscellaneous items, namely, cartage, expenses of light and water at magazines and stations, tolls, ferriage, technical books, and incidental expenses attending inspection of ordnance material, \$9,500.

BUREAU OF YARDS AND DOCKS.

Maintenance.

MAINTENANCE, BUREAU OF YARDS AND DOCKS: For general maintenance of yards and docks, namely: For books, maps, models, and drawings; purchase and repair of fire engines; fire apparatus and plants; machinery, operation or repair, purchase; maintenance of horses and driving teams; carts, timber wheels, and all vehicles, including motor-propelled and horse-drawn passenger-carrying vehicles to be used only for official purposes, and including motor-propelled vehicles for freight-carrying purposes only for use in the navy yards; tools and repair of the same; stationery; furniture for Government houses and offices in navy yards and naval stations; coal and other fuel; candles, oil, and gas; attendance on light and power plants; cleaning and clearing up yards and care of buildings; attendance on fires, lights, fire engines, and

fire apparatus and plants; incidental labor at navy yards; water tax, tolls, and ferriage; pay of watchmen in navy yards; awnings and packing boxes; and for pay of employees on leave, \$2,709,000: *Provided*, That the sum to be paid out of this appropriation under the direction of the Secretary of the Navy for clerical, inspection, drafting, messenger, and other classified work in the navy yards and naval stations for the fiscal year ending June thirtieth, nineteen hundred and eighteen, shall not exceed \$780,000. Proviso,
Clerical, etc.,
services.

CONTINGENT, BUREAU OF YARDS AND DOCKS: For contingent expenses and minor extensions and improvements of public works at navy yards and stations, \$75,000. Contingent.

PUBLIC WORKS, BUREAU OF YARDS AND DOCKS. Public works.

NAVY YARD, PORTSMOUTH, NEW HAMPSHIRE: *Crane-track extension, \$11,000; distributing-system extensions, \$18,000; power-plant improvements, \$105,000; in all, \$134,000.* Portsmouth,
N. H.

NAVY YARD, BOSTON, MASSACHUSETTS: *Sterilizing and disinfecting plant, \$9,000; improved drainage and filling arrangements, Dry Dock Numbered Two, \$17,500; locomotive and crane shed, \$20,000; for improvement of the central power plant, \$150,000; for extension of chain shop, \$60,000; in all, \$256,500.* Boston, Mass.

NAVY YARD, NEW YORK, NEW YORK: *Dredging, to continue, \$125,000, to be immediately available; central power-plant improvements, \$160,000; remodeling building numbered one hundred and thirty-two for pattern storage, \$34,000; storage facilities, \$500,000; machine-shop extension; \$400,000; in all, \$1,219,000.* New York,
N. Y.

NAVY YARD, PHILADELPHIA, PENNSYLVANIA: *Dry dock, to continue, \$1,000,000; central power-plant improvements, \$120,000; fifty-ton locomotive crane, \$100,000; in all, \$1,220,000.* Philadelphia,
Pa., dry dock,
etc.

The limit of cost for the purchase of ground adjoining quartermaster's depot, Marine Corps, Philadelphia, Pennsylvania, and the erection of an addition to said depot thereon, is hereby increased not to exceed in all \$375,000, and for that purpose \$200,000 additional is hereby appropriated. Marine Corps
depot.

NAVY YARD, WASHINGTON, DISTRICT OF COLUMBIA: *Gun shop to complete, \$900,000, and the limit of cost is hereby increased to \$1,100,000; extending sight shop \$40,000; improving lighting facilities, \$16,000; improvements, central power plant and distributing systems, \$772,000; in all, \$1,728,000.* Washington,
D. C.

The Commissioners of the District of Columbia are hereby authorized and directed to execute such deed or deeds or other instruments as the Attorney General may deem necessary and appropriate to transfer to the United States, for use for Land trans-
ferred to navy
yard.

- naval purposes, title to lots thirteen and fourteen in square eight hundred and one, District of Columbia, at a price to be mutually agreed upon between the said commissioners and the Secretary of the Navy: Provided, That pending the transfer of title the Secretary of the Navy is hereby authorized to assume control and jurisdiction over said lots and to make use of them for naval purposes.*
- Proviso. Immediate control, etc.**
- Norfolk, Va.** NAVY YARD, NORFOLK, VIRGINIA: Dry dock, to continue, \$1,000,000; one structural shop, to complete, \$600,000; water-front improvements, \$500,000; improvements central power plant and distributing systems, \$300,000; in all, \$2,400,000.
- Naval Academy. Bancroft Hall, etc.** BUILDINGS AND GROUNDS, NAVAL ACADEMY: Extension of Bancroft Hall (to cost not to exceed \$2,270,000) \$1,000,000; improvements central power plant and distributing systems, \$300,000; two freight elevators, Bancroft Hall, \$15,000; in all, \$1,315,000.
- Port Royal, S. C. Marine recruiting station.** MARINE RECRUITING STATION, PORT ROYAL, SOUTH CAROLINA: Two bungalows for officers' quarters, \$6,000; station improvements, \$20,500; twelve sets of noncommissioned officers' quarters, including not to exceed \$5,000 for the purchase of a strip of land along the south boundary of the station, \$23,000; in all, \$49,500.
- Charleston, S. C.** NAVY YARD, CHARLESTON, SOUTH CAROLINA: Dredging to continue, \$15,000; new superstructure for Pier Numbered Three hundred and fourteen, \$50,000; improvements central power plant and distributing systems, \$130,000; addition to dispensary, \$12,000; storage facilities, \$50,000; in all, \$257,000.
- Pensacola, Fla. aeronautic station.** NAVY AERONAUTIC STATION, PENSACOLA, FLORIDA: Improvements, central power plant, \$50,000; water system, \$40,000; repair and resurfacing roads, \$10,000; quarters for enlisted men, \$20,000; two magazines and one building for the storage of torpedoes, \$125,000; in all, \$245,000.
- New Orleans, La.** NAVAL STATION, NEW ORLEANS, LOUISIANA: Extension of wharf, \$30,000; floating crane, \$30,000; in all, \$60,000.
- Mare Island, Cal.** NAVY YARD, MARE ISLAND, CALIFORNIA: Floating crane, revolving type, to complete, \$450,000, and the limit of cost is hereby increased to \$750,000; maintenance of dikes and dredging, \$50,000; improvements central power plant and distributing system, \$105,000; in all, \$605,000.
- Puget Sound, Wash.** NAVY YARD, PUGET SOUND, WASHINGTON: Improvements, central power plant and distributing systems, \$150,000; purchase of land and fitting up trial course (Vashon Island), \$5,000; improved drainage in dry docks, \$12,000; storage facilities, \$500,000; in all, \$667,000.
- Pearl Harbor, Hawaii.** NAVAL STATION, PEARL HARBOR, HAWAII: Dry dock, to complete, \$936,500; storehouse, \$100,000; in all, \$1,036,500.
- Tutuila, Samoa.** NAVAL STATION, TUTUILA, SAMOA: Additional water supply, \$30,000; enlisted men's quarters, \$10,000; in all, \$40,000.
- Guam.** NAVAL STATION, GUAM: Roads, \$10,000; storage facilities, \$5,000; purchase of land, \$15,000; water supply and power plant improvements, \$30,000; in all, \$60,000.

NAVAL STATION, GUANTANAMO, CUBA: *Dredging and fill* Guantanamo, Cuba.
(to cost not exceeding \$25,000), \$9,000; *water supply*, \$25,000; in all, \$34,000.

NAVAL MAGAZINE, HINGHAM, MASSACHUSETTS: *Storehouse*, \$35,000; *two magazines*, \$70,000; in all, \$105,000. Hingham, Mass., naval magazine.

NAVAL PROVING GROUND, INDIANHEAD, MARYLAND: *Improvements to powder factory*, \$150,000. Indian head, Md., proving ground.

NAVAL MAGAZINE, FORT MIFFLIN, PENNSYLVANIA: *One magazine building*, \$35,000; *shell house*, \$35,000; *railroad track extension*, \$11,400; *concrete fence*, \$46,800; *one set of quarters for chief gunner, or gunner*, \$7,000; *fire protection system, extension*, \$7,500; in all, \$142,700. Fort Mifflin, Pa., naval magazine.

NAVAL MAGAZINE, IONA ISLAND, NEW YORK: *One mine and projectile house*, \$38,000; *water front improvements*, \$12,000; in all, \$50,000. Iona Island, N. Y., naval magazine.

NAVAL MAGAZINE, LAKE DENMARK, NEW JERSEY: *Two shell houses*, \$70,000; *one magazine*, \$30,000; in all, \$100,000. Lake Denmark, N. J., naval magazine.

NAVAL TORPEDO STATION, KEYPORT, WASHINGTON: *Freight wharf*, \$8,000; *one set of quarters for commissioned officers*, \$8,000; in all, \$16,000. Keyport, Wash., torpedo station.

NAVAL MAGAZINE, MARE ISLAND, CALIFORNIA: *One explosive D loading House and equipment*, \$8,000; *building for mine storage*, \$8,000; in all, \$16,000. Mare Island, Cal., naval magazine.

NAVAL TORPEDO STATION, NEWPORT, RHODE ISLAND: *Primer filling house*, \$30,000; *extension of fire protection system*, \$8,000; *building for mine storage, Rose Island*, \$9,000; in all, \$47,000. Newport, R. I., torpedo station.

NAVAL MAGAZINE, SAINT JULIENS CREEK, VIRGINIA: *Extension of small arms ammunition building*, \$8,000; *one mine storage building, including track extension*, \$9,000; *one magazine*, \$30,000; *two shell houses*, \$70,000; in all, \$117,000. Saint Juliens Creek, Va., naval magazine.

NAVAL MAGAZINE, CHARLESTON SOUTH CAROLINA: *Two buildings for ammunition storage*, \$70,000; *one building, with necessary equipment, for the storage of torpedoes*, \$50,000; in all, \$120,000. Charleston, S. C., naval magazine.

NAVAL MAGAZINE, PUGET SOUND, WASHINGTON: *Shop for loading shells*, \$7,000; *extension of water system*, \$30,000; *one fuse and detonator house*, \$3,600; *one mine storage building*, \$9,000; in all, \$49,600. Puget Sound, Wash., naval magazine.

DEPOTS FOR COAL AND OTHER FUEL: For fuel storage at Guantanamo Bay, Cuba, \$140,000; Pearl Harbor, Hawaii, \$200,000; Puget Sound, \$300,000; San Diego, California, \$150,000; Melville, Rhode Island, \$140,000; contingent, \$60,000; and the custody and care of naval petroleum reserves, \$10,000; in all, \$1,000,000. Fuel depots.

NAVAL TRAINING STATION, SAN FRANCISCO: *Three contagious wards*, \$25,000. Training station, Cal.

NAVAL HOSPITAL, PORTSMOUTH, NEW HAMPSHIRE: *Three contagious wards*, \$20,000. Portsmouth, N. H., hospital.

NAVAL HOSPITAL, GREAT LAKES, ILLINOIS: *Three contagious wards*, \$20,000. Great Lakes, Ill., naval hospital.

- Peking, China,
marine barracks. *MARINE GUARD, AMERICAN LEGATION, PEKING, CHINA: Barracks Building, \$50,000; laundry, including machinery, \$12,000; in all, \$62,000.*
- Philadelphia,
Pa., marine bar-
racks. *MARINE BARRACKS, PHILADELPHIA, PENNSYLVANIA: Advance base storage, \$30,000; additional barracks, \$200,000; in all, \$280,000.*
- Winthrop, Md.,
rifle range. *MARINE CORPS RIFLE RANGE, WINTHROP, MARYLAND: Range improvements, \$10,000.*
- Norfolk, Va.,
marine barracks. *MARINE BARRACKS, NORFOLK, VIRGINIA: Station im-
provements, \$12,700, to be immediately available; housing
for artillery, \$4,000; housing for trucks for artillery,
\$2,500; stable, \$3,000; shops and storeroom, \$3,500; in all,
\$25,700.*
- Training sta-
tion, R. I. *NAVAL TRAINING STATION, NEWPORT, RHODE ISLAND: Im-
provements to power plant, \$33,000.*
- Mare Island,
Cal., marine bar-
racks. *MARINE BARRACKS, MARE ISLAND, CALIFORNIA: Re-
modeling old barracks, \$35,000; extension of roads and
walks \$20,000; in all, \$55,000.*
- San Diego, Cal.,
Marine Corps
base. *MARINE BARRACKS, SAN DIEGO, CALIFORNIA: Toward
the establishment of a Marine Corps base, \$600,000.*
- Research labo-
ratory. *EXPERIMENTAL AND RESEARCH LABORATORY: To com-
plete, experimental and research laboratory, \$500,000:
Provided, That nothing in this or any other Act shall be
construed as preventing or interfering with the continua-
tion or undertaking of necessary experimental work
during the fiscal year ending June thirtieth, nineteen
hundred and eighteen, as heretofore conducted under
other appropriations for the Naval Establishment.*
- Proviso.
- Regular experi-
ments, etc., not
interfered with.
- Indian head,
Md.: Damages re-
imbursed. *REIMBURSEMENT FOR PROPERTY DAMAGED, INDIAN-
HEAD, MARYLAND: To reimburse the owner of the prop-
erty damaged by the firing of a sixteen-inch shell at the
naval proving ground, Indianhead, Maryland, \$755.01.*
- Lighting facil-
ities for night
work. *LIGHTING FACILITIES, NAVY YARDS AND STATIONS:
Improvements, lighting facilities to facilitate night work,
at navy yards and naval stations, \$200,000.*
- Repairs and
preservation. *REPAIRS AND PRESERVATION AT NAVY YARDS AND
STATIONS: For repairs and preservation at navy yards,
fuel depots, fuel plants, and stations, \$1,705,000.*
- Available until
expended. *Total public works, \$16,976,255.01, and the amounts
herein appropriated therefor, except for repairs and pres-
ervation at navy yards and stations, shall be available
until expended.*
- Boston, Mass.,
contract author-
ized for use of dry
dock at. *The Secretary of the Navy is hereby authorized to enter
into contract for the use by the United States Government of a
dry dock at Boston, Massachusetts, which shall be capable
of docking the largest vessel that can be passed through the
locks of the Panama Canal, for a period of not to exceed six
years from completion of such dock, at a compensation of
\$50,000 per annum during said period of six years, the
right of the United States Government to the use of said
dock in time of war to be prior and paramount: Provided,
That the construction of said dock shall be undertaken im-
mediately upon entering into this contract and shall be com-
pleted within thirty months thereafter: And provided further,*
- Proviso.
- Immediate con-
struction.

That said contract shall provide for docking rates not in excess of commercial rates and for such other conditions as may be prescribed by the Secretary of the Navy prior to entering into said contract: And provided further, That in the event, during the said contract period of six years, the necessities of the fleet require the docking of vessels which will necessitate a charge greater than \$50,000 per annum, the Secretary of the Navy is authorized to have vessels docked therein at a rate of charge not greater than the price stipulated in said contract.

Commercial rates.

Provision for extra docking.

BUREAU OF MEDICINE AND SURGERY.

Bureau of Medicine and Surgery.

Surgeons' necessities.

Civil establishment.

MEDICAL DEPARTMENT: For surgeons' necessities for vessels in commission, navy yards, naval stations, Marine Corps, and for the civil establishment at the several naval hospitals, navy yards, naval medical supply depots, Naval Medical School, Washington, and Naval Academy, and toward the accumulation of a reserve supply of medical stores, \$1,121,740.

Contingent.

CONTINGENT, BUREAU OF MEDICINE AND SURGERY: For tolls and ferriages; care, transportation, and burial of the dead; purchase of books and stationery, binding of medical records, unbound books, and pamphlets; hygienic and sanitary investigation and illustration; sanitary and hygienic instruction; purchase and repairs of nonpassenger-carrying wagons, automobile ambulances, and harness; purchase of and feed for horses and cows; maintenance, repair, and operation of two passenger-carrying motor vehicles for naval dispensary, Washington, District of Columbia; *purchase of one motor-propelled vehicle for official use only for the medical officer on out-patient medical service at the Naval Academy, and of a motor omnibus for the transportation of convalescent patients and attendants at the Naval Hospital at Las Animas, Colorado, to be used only for official purposes; trees, plants, care of grounds, garden tools, and seeds; incidental articles for the Naval Medical School and naval dispensary, Washington, naval medical supply depots, sick quarters at Naval Academy and marine barracks; washing for medical department at Naval Medical School and naval dispensary, Washington, naval medical supply depots, sick quarters at Naval Academy and marine barracks, dispensaries at navy yards and naval stations, and ships; and for minor repairs on buildings and grounds of the United States Naval Medical School and naval medical supply depots; rent of rooms for naval dispensary, Washington, District of Columbia, not to exceed \$1,200; for the care, maintenance, and treatment of the insane of the Navy and Marine Corps on the Pacific coast, including supernumeraries held for transfer to the Government Hospital for the Insane; for dental outfits and dental material, not to exceed \$38,000, and all other necessary contingent expenses; in all, \$291,080.*

Dental outfits, etc.

Transporting remains of officers, etc.

Militia, Volunteers, and Reserve Force added.

Proviso. Application of fund.

TRANSPORTATION OF REMAINS: To enable the Secretary of the Navy, in his discretion, to cause to be transferred to their homes the remains of officers and enlisted men of the Navy and Marine Corps, *of members of the Nurse Corps, and of officers and enlisted men of the Naval Militia and National Naval Volunteers and the Naval Reserve Force when on active service with the Navy*, who die or are killed in action ashore or afloat, and also to enable the Secretary of the Navy, in his discretion, to cause to be transported to their homes the remains of civilian employees who die outside of the continental limits of the United States, \$32,658: *Provided*, That the sum herein appropriated shall be available for payment for transportation of the remains of officers and men who have died while on duty at any time since April twenty-first, eighteen hundred and ninety-eight, and shall be available until June thirtieth, nineteen hundred and nineteen.

Bureau of Supplies and Accounts.

Pay of the Navy. Allotment amounts. Officers, etc.

Enlisted men.

Shore pay for warrant officers.

Apprentice seamen, etc.

BUREAU OF SUPPLIES AND ACCOUNTS.

PAY OF THE NAVY: Pay and allowances prescribed by law of officers on sea duty and other duty, *and officers on waiting orders*, \$15,333,156.42; officers on the retired list, \$2,940,368.72; commutation of quarters for officers on shore not occupying public quarters, including boat-swains, gunners, carpenters, sailmakers, machinists, pharmacists, pay clerks, and mates, naval constructors, and assistant naval constructors, \$675,679; and also members of Nurse Corps (female), \$1,000; for hire of quarters for officers serving with troops where there are no public quarters belonging to the Government, and where there are not sufficient quarters possessed by the United States to accommodate them, or commutation of quarters not to exceed the amount which an officer would receive were he not serving with troops, and hire of quarters for officers and enlisted men on sea duty at such times as they may be deprived of their quarters on board ship due to repairs or other conditions which may render them uninhabitable, \$4,000; pay of enlisted men on the retired list, \$492,657.34; extra pay to men reenlisting under honorable discharge, \$1,400,000; interest on deposits by men, \$12,000; pay of petty officers, seamen, landsmen, and apprentice seamen, including men in the engineers' force and men detailed for duty with the Fish Commission, sixty-eight thousand seven hundred men; and pay of enlisted men of the Hospital Corps, and for the pay of enlisted men detailed for duty with the Naval Militia, \$26,835,914.67; pay of enlisted men undergoing sentence of court-martial, \$225,000, and as many machinists as the President may from time to time deem necessary to appoint; *and hereafter the pay of warrant officers while on shore duty during the fourth three years service shall be \$1,750 per annum; and six thousand apprentice seamen under training at training stations, and on board training ships, at the pay*

prescribed by law, \$950,400; pay of the Nurse Corps, \$141,600; rent of quarters for members of the Nurse Corps, \$12,000; *retainer pay and active-service pay of members of the Naval Reserve Force, \$2,000,000; in all, \$51,023,776.15; and the money herein specifically appropriated for "Pay of the Navy" shall be disbursed and accounted for in accordance with existing law as "Pay of the Navy," and for that purpose shall constitute one fund; and hereafter advances of pay not to exceed three months' pay in any one case may be made to officers ordered to and from sea duty and to and from shore duty beyond the seas, under such regulations as the Secretary of the Navy may prescribe.*

Retainer pay, etc., Reserve Force.

Accounting.

Advances to officers, duty beyond the sea, etc.

Hereinafter, in addition to the appointment of midshipmen to the United States Naval Academy, as now prescribed by law, the Secretary of the Navy is allowed one hundred appointments annually, instead of twenty-five as now prescribed by law, to be appointed from the enlisted men of the Navy who are citizens of the United States, and not more than twenty years of age on the date of entrance to the Naval Academy, and who shall have served not less than one year as enlisted men on the date of entrance: Provided, That such appointments shall be made in the order of merit from candidates who have, in competition with each other, passed the mental examination now or hereafter required by law for entrance to the Naval Academy, and who passed the physical examination before entrance under existing laws.

Naval Academy, additional appointments from enlisted men authorized.

Proviso. Competitive examinations.

The President, in his discretion, is authorized to reduce the course of instruction at the Naval Academy from four to three years for a period of two years from the date of the approval of this Act, and may during said two years graduate classes which have completed a three-year course.

Course of instruction reduced for two years.

Hereafter all laws relating to the examination of officers of the Navy for promotion shall be construed to apply to the regular advancement of staff officers to higher ranks on the active list, the same as though such advancements in rank were promotions to higher grades: Provided, That nothing in this paragraph shall be construed as in any way affecting the original appointment of officers to the Dental Corps as provided in the Act approved August twenty-ninth, nineteen hundred and sixteen, making appropriations for the naval service of the fiscal year ending June thirtieth, nineteen hundred and seventeen, and for other purposes, and the time served by dental surgeons as acting or acting assistant dental surgeons shall be reckoned in computing the increased service pay and service for promotion of such as are commissioned under said Act.

Examinations for promotions applicable to staff officers.

Proviso. Dental Corps not affected.

Time allowance for service pay.

Whoever shall forge, counterfeit, or falsely alter any certificate of discharge from the military or naval service of the United States, or shall in any manner aid or assist in forging, counterfeiting, or falsely altering any such certificate, or shall use, unlawfully have in his possession, exhibit, or cause to be used or exhibited, any such forged, counterfeited, or falsely altered certificate, knowing the same to be forged, counterfeited, or falsely altered, shall be fined not

Punishment for forging, etc., discharge certificates.

more than \$1,000 or imprisoned not more than one year, or both, in the discretion of the court.

Provisions.

PROVISIONS, NAVY: For provisions and commuted rations for the seamen and marines, which commuted rations may be paid to caterers of messes, in case of death or desertion, upon orders of the commanding officers, commuted rations for officers on sea duty (other than commissioned officers of the line, Medical and Pay Corps, chaplains, chief boatswains, chief gunners, chief carpenters, chief machinists, chief pay clerks, and chief sailmakers) and midshipmen, and commuted rations stopped on account of sick in hospital and credited at the rate of 50 cents per ration to the naval hospital fund; subsistence of officers and men unavoidably detained or absent from vessels to which attached under orders (during which subsistence rations to be stopped on board ship and no credit for commutation therefor to be given); *subsistence of men on detached duty; subsistence of members of the Naval Reserve Force during period of active service;* and for subsistence of female nurses and Navy and Marine Corps general courts-martial prisoners undergoing imprisonment with sentences of dishonorable discharge from the service at the expiration of such confinement: *Provided, That the Secretary of the Navy is authorized to commute rations for such general courts-martial prisoners in such amounts as seem to him proper, which may vary in accordance with the location of the naval prison, but which shall in no case exceed 30 cents per diem for each ration so commuted; and for the purchase of United States Army emergency rations as required; in all, \$10,144,943.40, to be available until the close of the fiscal year ending June thirtieth, nineteen hundred and nineteen.*

Proviso.
Commutation
of rations
of
prisoners.

Army emer-
gency rations.

Clothing and
small-stores fund.

Reserve mate-
rial for emergency
uses.

Proviso.
Current use;
reimbursement.

Maintenance.

CLOTHING AND SMALL-STORES FUND: *For purchase of clothing and small-stores for issue to the naval service, to be added to the "Clothing and small-stores fund," \$1,500,000.*

RESERVE MATERIAL, NAVY: *For procuring apparatus and materials (other than ordnance materials and medical stores), as a war reserve necessary to be carried in the supply departments for the purpose of fitting out vessels of the fleet and merchant auxiliaries in time of war or when, in the opinion of the President, a national emergency exists, to be immediately available and to continue available until expended, \$3,000,000: Provided, That, to prevent deterioration such materials shall be used as required in time of peace, and when so used reimbursement shall be made to this appropriation from current naval appropriations in order that additional stocks may be procured.*

MAINTENANCE, BUREAU OF SUPPLIES AND ACCOUNTS: For fuel; the removal and transportation of ashes and garbage from ships of war; books, blanks, and stationery, including stationery for commanding and navigating officers of ships, chaplains on shore and afloat, and for the use of courts-martial on board ships; purchase, repair, and

exchange of typewriters for ships; packing boxes and materials; interior fittings for general storehouses, pay offices, and accounting offices in navy yards; expenses of disbursing officers; coffee mills and repairs thereto; expenses of naval clothing factory and machinery for the same; laboratory equipment; purchase of articles of equipage at home and abroad under the cognizance of the Bureau of Supplies and Accounts, and for the payment of labor in equipping vessels therewith, and the manufacture of such articles in the several navy yards; musical instruments and music; mess outfits; soap on board naval vessels; athletic outfits; tolls, ferriages, yeomen's stores, safes, and other incidental expenses; labor in general storehouses, paymasters' offices, and accounting offices in navy yards and naval stations, including naval stations maintained in island possessions under the control of the United States, and expenses in handling stores purchased and manufactured under "General account of advances"; and reimbursement to appropriations of the Department of Agriculture of cost of inspection of meats and meat food products for the Navy Department: *Provided*, That the sum to be paid out of this appropriation, under the direction of the Secretary of the Navy, for chemists and for clerical, inspection, storeman, store laborer, and messenger service in the *supply* and accounting departments of the navy yards and naval stations and disbursing offices for the fiscal year ending June thirtieth, nineteen hundred and eighteen, shall not exceed \$1,650,000; in all, \$3,250,000.

Equip ment supplies.

Food inspection. *Proviso.* Chemical, etc., services.

FREIGHT, BUREAU OF SUPPLIES AND ACCOUNTS: All freight and express charges pertaining to the Navy Department and its bureaus, except the transportation of coal for the Bureau of Supplies and Accounts, \$850,000.

Freight, Department and bureaus.

FUEL AND TRANSPORTATION: Coal and other fuel for steamers' and ships' use, including expenses of transportation, storage, and handling the same; maintenance and general operation of machinery of naval fuel depots and fuel plants; water for all purposes on board naval vessels; and ice for the cooling of water, including the expense of transportation and storage of both, \$6,500,000.

Fuel and transportation.

Officers of the Corps of Civil Engineers hereafter appointed shall, from the date of their original appointment, take rank and precedence with Lieutenants (junior grade).

Civil engineers. Rank of original appointments.

*That the President of the United States is authorized, by and with the advice and consent of the Senate, to appoint Leonard G. Hoffman, secretary to the late Admiral of the Navy, an assistant paymaster in the United States Navy, as an additional number in said grade or to any grade to which he may hereafter be promoted: *Provided*, That the services of the said Leonard G. Hoffman as secretary to the late Admiral of the Navy shall, for purposes of pay be credited to him as service in the Navy.*

Leonard G. Hoffman. Appointment as assistant paymaster authorized.

Proviso. Service credit.

BUREAU OF CONSTRUCTION AND REPAIR.

Bureau of Construction and Repair.

Construction and repair of vessels.

Equipment supplies.

Proviso. Repairs. Wooden ships.

Other ships.

In foreign waters, etc.

Clerical, etc. services.

CONSTRUCTION AND REPAIR OF VESSELS: For preservation and completion of vessels on the stocks and in ordinary; purchase of materials and stores of all kinds; steam steerers, pneumatic steerers, steam capstans, steam windlasses, and all other auxiliaries; labor in navy yards, and on foreign stations; purchase of machinery and tools for use in shops; carrying on work of experimental model tank and wind tunnel; designing naval vessels; construction and repair of yard craft, lighters, and barges; wear, tear, and repair of vessels afloat; general care, increase, and protection of the Navy in the line of construction and repair; incidental expenses for vessels and navy yards, inspectors' offices, such as photographing, books, professional magazines, plans, stationery, and instruments for drafting room, and for pay of classified force under the bureau; for hemp, wire, iron, and other materials for the manufacture of cordage, anchors, cables, galleys, and chains; specifications for purchase thereof shall be so prepared as shall give fair and free competition; canvas for the manufacture of sails, awnings, hammocks, and other work; interior appliances and tools for manufacturing purposes in navy yards and naval stations; and for the purchase of all other articles of equipage at home and abroad; and for the payment of labor in equipping vessels therewith and manufacture of such articles in the several navy yards; naval signals and apparatus, other than electric, namely, signals, lights, lanterns, rockets, running lights, lanterns, and lamps and their appendages for general use on board ship for illuminating purposes; and oil and candles used in connection therewith; bunting and other materials for making and repairing flags of all kinds; for all permanent galley fittings and equipage; rugs, carpets, curtains, and hangings on board naval vessels, \$12,850,000: *Provided*, That no part of this sum shall be applied to the repair of any wooden ship when the estimated cost of such repairs, to be appraised by a competent board of naval officers, shall exceed ten per centum of the estimated cost, appraised in like manner, of a new ship of the same size and like material: *Provided further*, That no part of this sum shall be applied to the repair of any other ship when the estimated cost of such repairs, to be appraised by a competent board of naval officers, shall exceed twenty per centum of the estimated cost, appraised in like manner, of a new ship of the same size and like material: *Provided further*, That nothing herein contained shall deprive the Secretary of the Navy of the authority to order repairs of ships damaged in foreign waters or on the high seas, so far as may be necessary to bring them home: *Provided further*, That the sum to be paid out of this appropriation, under the direction of the Secretary of the Navy, for clerical, drafting, inspection, watchmen (ship keepers), and messenger service in navy yards, naval stations, and

officers of superintending naval constructors for the fiscal year ending June thirtieth, nineteen hundred and eighteen, shall not exceed \$1,650,000.

IMPROVEMENT OF CONSTRUCTION PLANTS: For repairs and improvements of machinery and implements at construction plants at navy yards at Portsmouth, New Hampshire, \$10,000; Boston, Massachusetts, \$25,000; New York, New York, \$35,000; Philadelphia, Pennsylvania, \$25,000; Norfolk, Virginia, \$35,000; Charleston, South Carolina, \$10,000; Mare Island, California, \$35,000; Puget Sound, Washington, \$25,000; in all \$200,000.

CONSTRUCTION OF COAST GUARD CUTTERS: *The limit of cost of two steam Coast Guard cutters for service on the Pacific coast and in Alaskan waters, authorized by the Act entitled "An Act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and seventeen, and for other purposes," approved August twenty-ninth, nineteen hundred and sixteen, to be, and hereby is, increased from \$700,000 to \$900,000.*

The limit of cost of one steam Coast Guard cutter for service as anchorage patrol boat in New York Harbor, authorized by the Act entitled "An Act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and seventeen, and for other purposes," approved August twenty-ninth, nineteen hundred and sixteen, to be, and hereby is, increased from \$125,000 to \$185,000.

That the Secretary of the Treasury is hereby authorized and directed to construct and equip one Coast Guard cutter for duty on the Atlantic coast, with headquarters at Beaufort, North Carolina; one Coast Guard cutter for service on the Great Lakes, with headquarters at Detroit, Michigan, to replace the old cutter Morrill; and one Coast Guard cutter for service on the Pacific Ocean, with headquarters at Honolulu, Hawaii, to replace the condemned cutter Thetis, at a limit of cost not to exceed, for the three cutters, a total of \$1,350,000. On account of Coast Guard cutters herein authorized, to be available until expended, \$675,000.

BUREAU OF STEAM ENGINEERING.

ENGINEERING: For repairs, preservation, and renewal of machinery, auxiliary machinery, and boilers of naval vessels, yard craft, and ships' boats, distilling and refrigerating apparatus; repairs, preservation, and renewal of electric interior and exterior signal communications and all electrical appliances of whatsoever nature on board naval vessels, except range finders, battle order and range transmitters and indicators, and motors and their controlling apparatus used to operate machinery belonging to other bureaus; maintenance and operation of coast signal service, including expenses of office of Director of Naval Communications and the purchase of land as necessary for sites for

Construction plant.

Coast Guard cutters. Limit of cost increased. Pacific and Alaskan waters.

New York Harbor anchorage patrol.

Three additional cutters for designated service.

Cost limit.

Bureau of Steam Engineering. Engineering, repairs, machinery, etc.

Director of Naval Communications.

- Equipm e n t radio shore stations; equipage, supplies, and materials under the cognizance of the bureau required for the maintenance and operation of naval vessels, yard craft, and ships' boats; purchase, installation, repair, and preservation of machinery, tools, and appliances in navy yards and stations, *including \$50,000 for the purchase and installation of tools in the electrical shop at the navy yard, Portsmouth, New Hampshire*; pay of classified force under the bureau; incidental expenses for naval vessels, navy yards and stations, inspectors' offices, the engineering experiment station, such as photographing, technical books, and periodicals, stationery, and instruments; instruments and apparatus, supplies, and technical books and periodicals necessary to carry on experimental and research work in radiotelegraphy at the naval radio laboratory: *Provided*, That the sum to be paid out of this appropriation, under the direction of the Secretary of the Navy, for clerical, drafting, inspection, and messenger service in navy yards, naval stations, and offices of United States inspectors of machinery and engineering material for the fiscal year ending June thirtieth, nineteen hundred and eighteen, shall not exceed *\$1,035,000: Provided further*, That the sum to be paid out of this appropriation for the purchase of land for sites for radio shore stations shall not exceed *\$10,000: Provided further*, That the total expenditures under this appropriation at the naval radio laboratory shall not exceed *\$5,000: Provided further*, That an expenditure under this appropriation of not exceeding *\$350 for the purchase and maintenance of a native pony and a two-wheeled rig for the use of the commanding officer of the high-power radio station, Sangley Point, Philippine Islands, is hereby authorized*; in all, engineering, *\$12,270,000.*
- Electrical shop, Portsmouth. *High-POWER RADIO STATIONS: For the establishment of a high-power radio station on the island of Porto Rico, \$400,000, to be available until expended.*
- Radiotelegraphy work. Engineering experiment station, United States Naval Academy, Annapolis, Maryland—Experimental and research work: For original investigation and extended experimentation of naval appliances; and for the purchase of such machines and auxiliaries considered applicable for test and use in the naval service, and for maintenance of buildings and grounds, *\$85,000.*
- Proviso, etc., services. Vehicles, etc., Philippine Islands high-power station. *Equipment of building: For extension of steam, air, and water lines, and electric circuits; for foundations for machinery; for purchase and installation of additional testing instruments and apparatus, \$20,000.*
- Radio shore station sites. Radio laboratory. *MACHINERY PLANTS: For repairs and improvements of machinery plants at navy yards at Portsmouth, New Hampshire, \$20,000; Boston, Massachusetts, \$25,000; New York, New York, \$30,000; Philadelphia, Pennsylvania, \$25,000; Norfolk, Virginia, \$25,000; Charleston, South Carolina, \$20,000; Mare Island, California, \$25,000; and Puget Sound, Washington, \$20,000; in all, \$190,000.*
- Porto Rico. High-power radio station. *Engineering experiment station, Experimental, etc., work.*
- Equipping building. *Equipment of building: For extension of steam, air, and water lines, and electric circuits; for foundations for machinery; for purchase and installation of additional testing instruments and apparatus, \$20,000.*
- Machinery plants. *MACHINERY PLANTS: For repairs and improvements of machinery plants at navy yards at Portsmouth, New Hampshire, \$20,000; Boston, Massachusetts, \$25,000; New York, New York, \$30,000; Philadelphia, Pennsylvania, \$25,000; Norfolk, Virginia, \$25,000; Charleston, South Carolina, \$20,000; Mare Island, California, \$25,000; and Puget Sound, Washington, \$20,000; in all, \$190,000.*

NAVAL ACADEMY.

Naval Academy.

PAY OF PROFESSORS AND OTHERS, NAVAL ACADEMY: Pay of professors and instructors, including one professor as librarian, \$175,000.

Pay of professors, etc.

No part of any sum in this Act appropriated shall be expended in the pay or allowances of any commissioned officer of the Navy detailed for duty as an instructor at the United States Naval Academy to perform duties which were performed by civilian instructors on January first, nineteen hundred and thirteen.

No pay for officer performing duty of civilian.

On swordmaster, \$1,600; one assistant, \$1,400; and one assistant, \$1,200; one headmaster in physical training, \$1,700; one instructor in physical training, \$1,700; and two instructors in physical training, at \$1,400 each; three instructors in physical training, at \$1,200 each; one assistant librarian, \$2,400; one cataloguer, \$1,500; and one shelf assistant, \$1,100, one shelf assistant, \$900; one secretary of the Naval Academy, \$2,400; two clerks, at \$1,700 each; four clerks, at \$1,400 each; four clerks, at \$1,100 each; four clerks, at \$1,000 each; seven clerks, at \$1,000 each; one clerk, \$900; six clerks, at \$840 each; one draftsman, \$1,400; one surveyor, \$1,400; services of organist at chapel \$300; one captain of the watch, \$1,100; one second captain of the watch, \$1,000; twenty-two watchmen, at \$900 each; three telephone switchboard operators, at \$600 each; one mail messenger, \$1,000. In all, pay of professors and others, Naval Academy, \$255,400.

Instructors, etc.

DEPARTMENT OF ORDNANCE AND GUNNERY: One leading ordnanceman, \$1,100; one electrician, \$1,248; one ordnanceman, \$950; one ordnanceman, \$840; one ordnanceman, \$720; two ordnance helpers, at \$600 each; in all, \$6,058.

Department of Ordnance and Gunnery.

DEPARTMENTS OF ELECTRICAL ENGINEERING AND PHYSICS: Three electrical machinists, at \$1,180 each; two mechanics, at \$1,180 each, one laboratorian, \$1,000; in all, \$6,900.

Departments of Electrical Engineering and Physics.

DEPARTMENT OF SEAMANSHIP: Two coxswains, at \$480 each; three seamen, at \$420 each; in all, \$2,220.

Department of seamanship.

DEPARTMENT OF MARINE ENGINEERING AND NAVAL CONSTRUCTION: One master machinist, \$1,900, and one assistant, \$1,400; one pattern maker, \$1,400; one boiler maker, one blacksmith, three machinists, one molder, and one coppersmith, at \$1,280 each; one pattern maker and one blacksmith at \$1,080 each; one instructor in mechanical drawing, \$2,000; machinists and other employees, \$9,515.20; in all, \$27,335.20.

Department of Marine Engineering and Naval Construction.

COMMISSARY DEPARTMENT: One chief cook, \$1,200; one cook, \$900, nine cooks, at \$600 each, and twelve assistants, at \$360 each; one steward, \$1,200, and two assistants, \$1,080 each; one head waiter, \$840, one assistant head waiter, \$720, and three assistants, at \$600 each; one pantryman, \$520, four pantrymen, at \$420 each;

Commissary Department.

one chief baker, at \$1,200; five bakers, \$600 each; two assistants, at \$540 each, and three assistants, \$480; *one head butcher, at \$900; two assistant butchers, at \$720 each, and one butcher's helper, at \$480*; four baker helpers, at \$300 each; *sixty-five waiters, at \$20 per month each, and sixty-five waiters, at \$16 per month each, \$28,080*; *two coffeemen, at \$540 each, four coffeemen, at \$300 each*; *four dish pantrymen, at \$300 each; one fireman, \$600, four firemen, at \$300 each; four utility men, at \$300 each; one lineman, \$540, two linemen, at \$300 each*; two seamstresses, at \$420 each; *four clerks, at \$360 each; one driver, \$600; scullions and other unskilled labor (wages in no case to exceed \$40 per month), \$1,380*; in all, \$71,440.

Department of Buildings and Grounds. *DEPARTMENT OF BUILDINGS AND GROUNDS: One messenger to superintendent, \$600; forty-five building attendants, at \$400 each, \$18,000; in all \$18,600.*

In all, civil establishment, \$387,993.20.

Contingent expenses. *CURRENT AND MISCELLANEOUS EXPENSES, NAVAL ACADEMY: Text and reference books for use of instructors; stationery, blank books and forms, models, maps, and periodicals; apparatus and materials for instruction in physical training and athletics; expenses of lectures and entertainments not exceeding \$1,000, including pay and expenses of lecturer; chemicals, philosophical apparatus and instruments, stores, machinery, tools, fittings, apparatus, and materials for instruction purposes, \$43,500.*

Library. *Purchase, binding, and repair of books for the library (to be purchased in the open market on the written order of the superintendent, \$2,500.*

Board of Visitors. *For expenses of the Board of Visitors to the Naval Academy, \$3,000.*

Superintendent. *For contingencies for the superintendent of the academy, to be expended in his discretion, \$3,000.*

In all, current and miscellaneous expenses, \$52,000.

Maintenance and repairs. *MAINTENANCE AND REPAIRS, NAVAL ACADEMY: For general maintenance and repairs at the Naval Academy, namely: For necessary repairs of public buildings, wharves, and walls inclosing the grounds of the Naval Academy, improvements, repairs, and fixtures; for books, periodicals, maps, models, and drawings; purchase and repair of fire engines; fire apparatus and plants; machinery; purchase and maintenance of all horses and vehicles for use at the academy, including the maintenance, operation, and repair of three horse-drawn passenger-carrying vehicles to be used only for official purposes; seeds and plants; tools and repairs of the same; stationery; furniture for Government buildings and offices at the academy; coal and other fuel; candles, oil, and gas; attendance on light and power plants; cleaning and clearing up station and care of buildings; attendance on fires, lights, fire engines, fire apparatus, and plants, and telephone, telegraph, and clock systems; incidental labor; advertising, water tax, postage, tele-*

Vehicles.

phones, telegrams, tolls, and ferriage; flags and awnings; packing boxes; fuel for heating and lighting bandsmen's quarters; pay of inspectors and draftsmen; music, musical and astronomical instruments; and for the pay of employees on leave, \$465,120: *Provided, That \$75,000 of this appropriation, or so much thereof as may be necessary is made immediately available for altering, furnishing, lighting and equipping the marine barracks at Annapolis, Maryland, as temporary quarters for housing and messing midshipmen.*

Proviso.
Temporary quarters for midshipmen.

Rent of buildings for the use of the academy, and commutation of rent for bandsmen, at \$8 per month each, \$3,936.

Rent.

In all, maintenance and repairs, \$469,056.

In all, Naval Academy, exclusive of public works, \$909,049.20.

MARINE CORPS.

PAY, MARINE CORPS: Pay of officers, active and reserve list: For pay and allowances prescribed by law for all officers on the active and reserve list, including clerks for assistant paymasters, nine, \$1,690,666.

Marine Corps. Pay. Officers' active list.

For pay of officers prescribed by law, on the retired list: For two major generals, four brigadier generals, six colonels, five lieutenant colonels, eleven majors, nineteen captains, thirteen first lieutenants, two second lieutenants, and one paymaster's clerk, and for officers who may be placed thereon during the year, including such increased pay as is now or may hereafter be provided for retired officers regularly assigned to active duty, \$198,307.50.

Officers, retired list.

Pay of enlisted men, active and reserve list: Pay and allowances of noncommissioned officers, musicians, and privates, as prescribed by law, and for the expenses of clerks of the United States Marine Corps traveling under orders, and including additional compensation for enlisted men of the Marine Corps regularly detailed as gun captains, gun pointers, mess sergeants, cooks, messmen, signalmen, or holding good-conduct medals, pins, or bars, including interest on deposits by enlisted men, post-exchange debts of deserters, under such rules as the Secretary of the Navy may prescribe, and the authorized travel allowance of discharged enlisted men and for prizes for excellence in gunnery exercise and target practice and for pay of enlisted men designated as Navy mail clerks and assistant Navy mail clerks, both afloat and ashore: *Provided, That the provisions of the Act of May twenty-seventh, nineteen hundred and eight (Thirty-fifth Statutes, pages four hundred and seventeen and four hundred and eighteen), as amended by the Act of August twenty-fourth, nineteen hundred and twelve (Thirty-seventh Statutes, page five hundred and sixty), are hereby extended to authorize the designation of enlisted men of the Navy or Marine Corps as Navy mail clerks and assistant Navy mail clerks with expe-*

Enlisted men, active list.

Proviso.
Mail clerks with expeditionary forces on shore.

Gunners and quarter master clerks.

Increased pay, foreign shore service. *ditionary forces on shore: Provided further, That marine gunners and quartermaster clerks of the Marine Corps assigned to foreign shore service shall hereafter be entitled to the same increased compensation and under the same conditions as is now or hereafter allowed by law to commissioned officers of the Marine Corps. In all, \$4,800,532.*

Enlisted men, retired list. For pay and allowances prescribed by law of enlisted men on the retired list: For *nine* sergeants major, one drum major, twenty-three gunnery sergeants, *thirty-seven* quartermaster sergeants, *forty-three* first sergeants, *sixty-six* sergeants, *twenty-one* corporals, *twenty* first-class musicians, one drummer, and *twenty-four* privates, and for those who may be retired during the fiscal year, \$175,986.

Undrawn clothing. Undrawn clothing: For payment to discharged enlisted men for clothing undrawn, \$100,000.

Mileage. Mileage: For mileage to officers traveling under orders without troops, \$58,000.

Commutation of quarters. For commutation of quarters of officers on duty without troops where there are no public quarters, \$75,000.

Civil force. PAY OF CIVIL FORCE: In the office of the major general commandant: One chief clerk, at \$2,000; one clerk, at \$1,800; one messenger, at \$971.28.

In the office of the paymaster: One chief clerk, at \$2,000; one clerk, at \$1,500; one clerk, at \$1,200.

In the office of the adjutant and inspector: One chief clerk, at \$2,000; one clerk, at \$1,800; one clerk, at \$1,500; one clerk, at \$1,400; one clerk, at \$1,200.

In the office of the quartermaster: One chief clerk, at \$2,000; one clerk, at \$1,800; one clerk, at \$1,500; two clerks, at \$1,400 each; two clerks at \$1,200 each; one draftsman, at \$2,000.

In the office of the assistant quartermaster, San Francisco, California: One chief clerk, at \$1,800.

In the office of the assistant quartermaster, Philadelphia, Pennsylvania: One chief clerk, at \$1,800; one messenger, at \$840.

In all, for pay of civil force, \$34,511.28, and the money herein specifically appropriated for pay of the Marine Corps shall be disbursed and accounted for in accordance with existing law as pay of the Marine Corps, and for that purpose shall constitute one fund.

In all, pay, Marine Corps, \$7,132,802.78.

MAINTENANCE, QUARTERMASTER'S DEPARTMENT, MARINE CORPS.

Quarter m a s - ter's department. Provisions. PROVISIONS, MARINE CORPS: For noncommissioned officers, musicians, and privates serving ashore; subsistence and lodging of enlisted men when traveling on duty, or cash in lieu thereof; commutation of rations to enlisted men regularly detailed as clerks and messengers; payments of board and lodging of applicants for enlistment while under observation, recruits, recruiting par-

ties, and enlisted men where it is impracticable to otherwise furnish subsistence, or in lieu of board, commutation of rations to recruiting parties; transportation of provisions, and the employment of necessary labor connected therewith; ice machines and their maintenance where required for the health and comfort of the troops and for cold storage; ice for offices and preservation of rations, \$1,676,000. Hereafter no law shall be construed to entitle enlisted men on shore duty to any rations or commutation therefor other than such as are now or may hereafter be allowed enlisted men in the Army: *Provided*, That when it is impracticable or the expense is found greater to supply marines serving on shore duty in the island possessions and on foreign stations with the Army ration, such marines may be allowed the Navy ration or commutation therefor.

Shore duty rations.

Provido.
Navy ration instead of Army.

CLOTHING, MARINE CORPS: For noncommissioned officers, musicians, and privates, authorized by law, \$1,580,000: *Provided*, That hereafter worn-out sewing machines, machinery, rubber tires, and band instruments may be exchanged in part payment for the purchase of like articles.

Clothing.

Provido.
Exchanges allowed.

FUEL, MARINE CORPS: For heat, light, and commutation thereof for the authorized allowance of quarters for officers and enlisted men, and other buildings and grounds pertaining to the Marine Corps; fuel, electricity, and oil for cooking, power, and other purposes; and sales to officers, \$260,000.

Fuel, light, etc.

MILITARY STORES, MARINE CORPS: Pay of chief armorer, at \$4 per diem; one mechanic, at \$3 per diem; two mechanics, at \$2.50 each per diem; one chief electrician, at \$4 per diem, and one assistant electrician, at \$3.50 per diem; per diem of enlisted men employed on constant labor for periods of not less than ten days; purchase of military equipments, such as rifles, revolvers, cartridge boxes, bayonet scabbards, haversacks, blanket bags, canteens, rifle slings, swords, drums, trumpets, flags, waistbelts, waist plates, cartridge belts, spare parts for repairing rifles, machetes; purchase and repair of tents, field cots, field ovens, and stoves for tents; purchase and repair of instruments for bands; purchase of music and musical accessories; purchase and marking of prizes for excellence in gunnery and rifle practice; good-conduct badges; medals awarded to officers and enlisted men by the Government for conspicuous, gallant, and special service; incidental expenses of schools of application; construction, equipment, and maintenance of school, library, and amusement rooms and gymnasiums for enlisted men, and the purchase and repair of all articles of field sports for enlisted men; purchase and repair of signal equipment and stores; establishment and maintenance of targets and ranges, renting ranges, construction of buildings for temporary shelter and preservation of

Military stores.
Pay.

Equipment, etc.

- stores, and entrance fees in competitions; procuring, preserving, and handling ammunition and other necessary military supplies; in all, \$852,000.
- Ammunition.**
- Instruction camps.** **MAINTENANCE.** **CAMPS OF INSTRUCTION:** *For the establishment and maintenance of camps of instruction as authorized in the naval appropriation Act, approved August twenty-ninth, nineteen hundred and sixteen, \$31,000.*
- Maintenance.**
- Transportation and recruiting.** **TRANSPORTATION AND RECRUITING, MARINE CORPS:** For transportation of troops, and of applicants for enlistment between recruiting stations and recruit depots or posts, including ferrriage and transfers en route, or cash in lieu thereof; toilet kits for issue to recruits upon their first enlistment and the expense of the recruiting service, \$500,000: *Provided*, That authority is hereby granted to employ the services of advertising agencies in advertising for recruits under such terms and conditions as are most advantageous to the Government.
- Proviso.**
- Advertising.**
- Repairs of barracks, etc.** **REPAIRS OF BARRACKS, MARINE CORPS:** Repairs and improvements to barracks, quarters, and other public buildings at posts and stations; for the renting, leasing, improvement, and erection of buildings in the District of Columbia, and at such other places as the public exigencies require; and for per diem to enlisted men employed under the direction of the Quartermaster's Department on the repair of barracks, quarters, and other public buildings on constant labor for periods of not less than ten days, \$220,000.
- Forage.** **FORAGE, MARINE CORPS:** For forage in kind and stabling for public animals of the Quartermaster's Department and the authorized number of officers' horses, \$68,000.
- Commutation of quarters.** **COMMUTATION OF QUARTERS, MARINE CORPS:** Commutation of quarters for enlisted men on recruiting duty, for officers and enlisted men serving with troops where there are no public quarters belonging to the Government, and where there are not sufficient quarters possessed by the United States to accommodate them; commutation of quarters for enlisted men employed as clerks and messengers in the offices of the commandant, adjutant and inspector, paymaster, and quartermaster and the offices of the assistant adjutant and inspectors, assistant paymasters, assistant quartermasters, at \$21 each per month, and for enlisted men employed as messengers in said offices, at \$10 each per month \$167,000.
- Contingent.** **CONTINGENT, MARINE CORPS:** For freight, expressage, tolls, cartage, advertising, washing of bed sacks, mattress covers, pillowcases, towels, and sheets, funeral expenses of officers and enlisted men and retired enlisted men of the Marine Corps, including the transportation of bodies and their arms and wearing apparel from the place of demise to the homes of the deceased in the United States; stationery and other paper, printing and binding, telegraphing, rent of telephones; purchase, repair, and exchange of typewriters; apprehension of stragglers and

deserters; per diem of enlisted men employed on constant labor for periods of not less than ten days; employment of civilian labor; purchase, repair, and installation and maintenance of gas, electric, sewer, and water pipes and fixtures; office and barracks furniture, camp and garrison equipage and implements; mess utensils for enlisted men; packing boxes, wrapping paper, oilcloth, crash, rope, twine, quarantine fees, camphor and carbolized paper, carpenters' tools, tools for police purposes, safes, purchase, hire, repair, and maintenance of such harness, wagons, motor wagons, armored automobiles, carts, drays, motor-propelled and horse-drawn passenger-carrying vehicles, to be used only for official purposes, and other vehicles as are required for the transportation of troops and supplies and for official military and garrison purposes; purchase of public horses and mules; services of veterinary surgeons, and medicines for public animals, and the authorized number of officers' horses; purchase of mounts and horse equipment for all officers below the grade of major required to be mounted; shoeing for public animals and the authorized number of officers' horses; purchase and repair of hose, fire extinguishers, hand grenades, carts, wheelbarrows, and lawn mowers; purchase, installation, and repair of cooking and heating stoves and furnaces; purchase of towels, soap, combs, and brushes for offices; postage stamps for foreign and registered postage; books, newspapers, and periodicals; improving parade grounds; repair of pumps and wharves, water; straw for bedding, mattresses; mattress covers, pillows, sheets; furniture for Government quarters and repair of same; packing and crating officers' allowance of baggage on change of station; deodorizers, lubricants, disinfectants; and for all emergencies and extraordinary expenses arising at home and abroad, but impossible to anticipate or classify, \$846,385: *Provided, That hereafter no part of the pay and allowances authorized for enlisted men detailed as clerks and messengers in the office of the Major General Commandant and the several staff offices shall be forfeited when granted furlough for not exceeding thirty days in each calendar year.*

Proviso.
Leaves of absence with pay to detailed enlisted men.

In all, for the maintenance of Quartermaster's Department, Marine Corps, \$6,200,385; and the money herein specifically appropriated for the maintenance of the Quartermaster's Department, Marine Corps, shall be disbursed and accounted for in accordance with existing law as maintenance, Quartermaster's Department, Marine Corps, and for that purpose shall constitute one fund.

Disbursing and accounting.

For the authorized expenses of the Marine Corps Reserve, \$25,000.

Marine Corps Reserve.

Total Marine Corps, including Marine Corps Reserve, exclusive of public works, \$13,358,187.78.

INCREASE OF THE NAVY.

Increase of the Navy. Additional early construction directed of specified vessels. Cost increased.

Previously authorized vessels.

New vessels. Construction and machinery.

Torpedo boats.

Armor and armament.

Ammunition.

Emergency suspension of eight-hour law on Government contracts. Provision. Overtime wages.

Of the vessels authorized in the "Act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and seventeen, and for other purposes," approved August twenty-ninth, nineteen hundred and sixteen, the construction of the following vessels shall be begun as soon as practicable at a cost exclusive of armor and armament not to exceed the following amounts: Three battleships, \$15,500,000 each; one battle cruiser, \$19,000,000; three scout cruisers, \$6,000,000 each; fifteen destroyers, \$1,300,000 each; one destroyer tender, \$2,300,000; one submarine tender, \$1,900,000; eighteen coast submarines to have a surface displacement of about eight hundred tons each, \$1,300,000 each, and the limits of cost for the four battle cruisers and for three scout cruisers authorized and appropriated for in said Act but not yet contracted for, are increased to not to exceed \$19,000,000 each for the battle cruisers and \$6,000,000 each for the scout cruisers, exclusive of armor and armament, and the construction of said vessels shall be begun as soon as practicable.

CONSTRUCTION AND MACHINERY: On account of hulls and outfits and machinery of *three battleships, one battle cruiser, three scout cruisers, fifteen destroyers, one submarine tender, one destroyer tender, and other vessels* heretofore authorized, to be available until expended, \$93,123,000.

INCREASE OF THE NAVY, TORPEDO BOATS: On account of submarine torpedo boats heretofore authorized \$16,816,110, and on account of the *eighteen additional coast submarine torpedo boats herein appropriated for \$6,115,170; in all, submarine torpedo boats, \$22,931,280*, to be available until expended.

INCREASE OF THE NAVY, ARMOR AND ARMAMENT: Toward the armor and armament for vessels heretofore authorized and the *additional vessels herein appropriated for*, to be available until expended, \$44,180,000.

INCREASE OF THE NAVY, AMMUNITION: Toward the ammunition for the vessels heretofore authorized and for *additional vessels herein appropriated for*, to be available until expended, \$14,528,043.

Total increase of the Navy heretofore authorized and herein appropriated for, \$174,762,323.

That in case of national emergency the President is authorized to suspend provisions of law prohibiting more than eight hours labor in any one day of persons engaged upon work covered by contracts with the United States: Provided further, That the wages of persons employed upon such contracts shall be computed on a basic day rate of eight hours work, with overtime rates to be paid for at not less than time and one-half for all hours work in excess of eight hours.

NAVAL EMERGENCY FUND.

To enable the President to secure the more economical and expeditious delivery of materials, equipment, and munitions and secure the more expeditious construction of ships authorized and for the purchase or construction of such additional torpedo boat destroyers, submarine chasers and such other naval small craft, including aircraft, guns and ammunition for all of said vessels and aircraft and for each and every purpose connected therewith, as the President may direct, to be expended at the direction and in the discretion of the President, \$115,000,000, or so much thereof as may be necessary, and to be immediately available.

Naval emergency fund.
Amount made immediately available for specified objects.

In addition to the eighteen submarines hereinbefore appropriated for, the Secretary of the Navy is hereby authorized and directed to proceed at once to cause to be constructed twenty coast submarines to have a surface displacement of about eight hundred tons each at a cost not to exceed \$1,300,000 each, exclusive of armor and armament, on the most approved lines according to plans and specifications to be provided or adopted by the Secretary of the Navy. The same may be let by contract to private builders or constructed by the Government in navy yards, or both, as may be directed by the Secretary of the Navy. Said twenty submarines shall be constructed on the Pacific coast: *Provided*, That the cost of construction on the Pacific coast does not exceed the cost of construction on the Atlantic coast plus the cost of transportation from the Atlantic to the Pacific. Eighteen million dollars is hereby appropriated toward the construction of said submarines.

Additional submarines to be immediately built.

Contracts, etc.

Pacific coast construction.

Proviso.
Cost condition.

Appropriation emergency ship construction.

(a) That the word "person" as used in paragraphs (b), (c), next hereafter shall include any individual, trustee, firm, association, company, or corporation. The word "ship" shall include any boat, vessel, submarine, or any form of aircraft, and the parts thereof. The words "war material" shall include arms, armament, ammunition, stores, supplies, and equipment for ships and airplanes, and everything required for or in connection with the production thereof. The word "factory" shall include any factory, workshop, engine works, building used for manufacture, assembling, construction, or any process, and any shipyard or dockyard. The words "United States" shall include the Canal Zone and all territory and waters, continental and insular, subject to the jurisdiction of the United States.

Meaning of terms used.

(b) That in time of war, or of national emergency arising prior to March first, nineteen hundred and eighteen, to be determined by the President by proclamation, the President is hereby authorized and empowered, in addition to all other existing provisions of law:

Additional authority vested in President prior to March 1, 1918.

First. Within the limits of the amounts appropriated therefor, to place an order with any person for such ships or war material as the necessities of the Government, to be determined by the President, may require and which are of the nature, kind, and quantity usually produced or capable of

May order ships or war material from any person.

Compliance obligatory, etc.

Possession of factory, etc., if order refused, etc.

Cancel, etc., existing contracts, take possession of factory, etc.

Require whole output of any factory, etc.

Take over any factory for Government use.

Authority to cease Mar. 1, 1918.

Compensation for canceled contracts, etc.

Part payment if unsatisfactory, and suit for remainder.

being produced by such person. Compliance with all such orders shall be obligatory on any person to whom such order is given, and such order shall take precedence over all other orders and contracts theretofore placed with such person. If any person owning, leasing, or operating any factory equipped for the building or production of ships or war material for the Navy shall refuse or fail to give to the United States such preference in the execution of such an order, or shall refuse to build, supply, furnish, or manufacture the kind, quantity, or quality of ships or war material so ordered at such reasonable price as shall be determined by the President, the President may take immediate possession of any factory of such person, or of any part thereof without taking possession of the entire factory, and may use the same at such times and in such manner as he may consider necessary or expedient.

Second. Within the limit of the amounts appropriated therefor, to modify or cancel any existing contract for the building, production, or purchase of ships or war material; and if any contractor shall refuse or fail to comply with the contract as so modified the President may take immediate possession of any factory of such contractor, or any part thereof without taking possession of the entire factory, and may use the same at such times and in such manner as he may consider necessary or expedient.

Third. To require the owner or occupier of any factory in which ships or war material are built or produced to place at the disposal of the United States the whole or any part of the output of such factory, and, within the limit of the amounts appropriated therefor, to deliver such output or parts thereof in such quantities and at such times as may be specified in the order at such reasonable price as shall be determined by the President.

Fourth. To requisition and take over for use or operation by the Government any factory, or any part thereof without taking possession of the entire factory, whether the United States has or has not any contract or agreement with the owner or occupier of such factory.

That all authority granted to the President in this paragraph, to be exercised in time of national emergency, shall cease on March first, nineteen hundred and eighteen.

(d) That whenever the United States shall cancel or modify any contract, make use of, assume, occupy, requisition, or take over any factory or part thereof, or any ships or war material, in accordance with the provisions of paragraph (b), it shall make just compensation therefor, to be determined by the President, and if the amount thereof so determined by the President is unsatisfactory to the person entitled to receive the same, such person shall be paid fifty per centum of the amount so determined by the President and shall be entitled to sue the United States to recover such further sum as added to said fifty per centum shall make up such amount as will be just compensation therefor, in the manner provided for by section twenty-four, paragraph

twenty, and section one hundred and forty-five of the Judicial Code.

The Secretary of the Navy shall build any of the vessels herein appropriated for in such navy yards as he may designate should it reasonably appear that the persons, firms, or corporations, or the agents thereof, bidding for the construction of any of said vessels have entered into any combination, agreement, or understanding, the effect, object, or purpose of which is to deprive the Government of fair, open, and unrestricted competition in letting contracts for the construction of any of said vessels: *Provided, That* the Secretary of the Navy is hereby authorized to build any of the vessels herein authorized in such navy yards as he may designate.

Vessels to be built at navy yard if bidders combine.

Proviso. Designation of navy yards.

In the event the Secretary of the Navy is unable to secure from the private shipbuilders contracts for the expeditious construction of the ships heretofore authorized at a fair and reasonable price, the sum of \$12,000,000, or so much thereof as may be necessary, is hereby appropriated to enable the Secretary of the Navy to equip the navy yards with suitable and necessary machinery, implements, building ways, and equipment for the construction of such of said vessels as may be assigned to navy yards for construction.

Equipment of navy yards for construction, if speedy contracts not obtainable.

If, in the judgment of the Secretary of the Navy, the most rapid and economical construction of the battle cruiser herein appropriated for can be obtained thereby, he may contract for the construction of said battle cruiser upon the basis of actual cost, plus a reasonable profit to be determined by him.

Contract for battle cruiser at cost plus reasonable profit.

That section forty-four of the Act entitled "An Act to codify, revise, and amend the penal laws of the United States," approved March fourth, nineteen hundred and nine, be, and the same is hereby, amended to read as follows:

Criminal Code amendment.

"SEC. 44. Whoever shall willfully trespass upon, injure, or destroy any of the works or property or material of any submarine mine or torpedo or fortification or harbor-defense system owned or constructed or in process of construction by the United States, or shall willfully interfere with the operation or use of any such submarine mine, torpedo, fortification, or harbor-defense system, or shall knowingly, willfully, or wantonly violate any duly authorized and promulgated order or regulation of the President governing persons or vessels within the limits of defensive sea areas, which defensive sea areas are hereby authorized to be established by order of the President from time to time as may be necessary in his discretion for purposes of national defense, shall be punished on conviction thereof in a district or circuit court of appeals of the United States for the district or circuit in which the offense is committed, or into which the offender is first brought, by a fine of not more than \$5,000, or by imprisonment for a term not exceeding five years, or by both, in the discretion of the court."

Trespassing upon, injuring, etc., military works unlawful.

Violating regulations within established defensive sea areas.

Punishment for.

Restriction in purchase, etc., which can be supplied by Government plants.

Of each of the sums appropriated by this Act, except such amounts as may be required to meet obligations authorized in previous Acts and for which contracts have been made, no part shall be used to procure through purchase or contract any vessels, armament, articles, or materials which the navy yards, gun factories, or other industrial plants operated by the Navy Department are equipped to supply, unless such Government plants are operated approximately at their full capacity for not less than one regular shift each working day, except when contract costs are less than costs in said Government plants, and except when said Government plants are unable to complete the work within the time required, and except in cases of emergency: *Provided*, That no part of the appropriations made in this Act shall be available for the salary or pay of any officer, manager, superintendent, foreman, or other person having charge of the work of any employee of the United States Government while making or causing to be made with a stop watch or other time-measuring device a time study of any job of any such employee between the starting and completion thereof, or of the movements of any such employee while engaged upon such work; nor shall any part of the appropriations made in this Act be available to pay any premium or bonus or cash reward to any employee in addition to his regular wages, except for suggestions resulting in improvements or economy in the operation of any Government plant.

Proviso.
No pay to officer, etc., using time-measuring device on work of employee.

Cash rewards, etc., limited.

Purchases from trust combinations, etc., forbidden.

Restriction on price.

Present contracts not affected.

A appropriation not to be used for clerical, etc., services in department.

Specific authority for use in Government.

Increase in pay to civilian employees receiving not more than \$1,500 a year.

That no part of any sum herein appropriated shall be expended for the purchase of structural steel, ship plates, armor, armament, or machinery from any persons, firms, or corporations who are parties to any existing combination or conspiracy to monopolize the interstate or foreign commerce or trade of the United States, or the commerce or trade between the *States* and any Territory or the District of Columbia, in any of the articles aforesaid, and no purchase of structural steel, ship plates, or machinery shall be made at a price in excess of a reasonable profit above the actual cost of manufacture. But this limitation shall in no case apply to any existing contract.

That no part of any sum herein appropriated under "Increase of the Navy" shall be used for the payment of any clerical, drafting, inspection, or messenger service, or for the pay of any of the other classified force under the various bureaus of the Navy Department, Washington, District of Columbia.

That no part of any sum appropriated by this Act shall be used for any expense of the Navy Department at Washington, District of Columbia, unless specific authority is given by law for such expenditure.

That during the fiscal year nineteen hundred and eighteen all civilian employees in the Naval Establishment, including on the lump-sum rolls only those persons who are carried thereon at the close of the fiscal year ending June thirtieth,

nineteen hundred and seventeen, shall receive increased compensation at the rate of ten per centum per annum to such employees who receive salaries or wages in such establishment at the rate per annum of less than \$1,200, and increased compensation at the rate of five per centum per annum to such employees who receive salaries or wages in such establishment at a rate of not more than \$1,800 per annum; And provided, That so much as may be necessary for such purpose is hereby appropriated out of any moneys in the Treasury not otherwise appropriated: Provided further, That in computing said ten per centum and five per centum increases of salaries, the specific increases of salaries made in this Act shall be included as a part of such increase.

All appropriations contained in this Act are hereby made immediately available, but no appropriation in this Act shall be used for payment of deficiencies.

Approved, March 4, 1917.

Provisos.
Appropriation.

Specific increase included.

Appropriation immediately available, not to be used for deficiencies.

SIXTY-FIFTH CONGRESS, FIRST SESSION—JUNE 15, 1917.

[PUBLIC—No. 23—65TH CONGRESS.]

[H. R. 3971.]

AN ACT Making appropriations to supply urgent deficiencies in appropriations for the Military and Naval Establishments on account of war expenses for the fiscal year ending June thirtieth, nineteen hundred and seventeen, and for other purposes.

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AVIATION.

AVIATION: For aviation, including not to exceed \$150,000 for the purchase of land, * * * \$11,000,000
* * *

BUREAU OF NAVIGATION.

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MAINTENANCE OF NAVAL AUXILIARIES: The sum appropriated for "Maintenance of naval auxiliaries" in the naval Act approved March fourth, nineteen hundred and seventeen, shall be transferred to other appropriations as follows: "Transportation, Bureau of Navigation," \$11,500; "Pay of the Navy," \$846,890, and "Provisions, Navy," \$286,000.

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SCHOOLS OR CAMPS OF INSTRUCTION FOR RECRUITS AND NAVAL RESERVE FORCES: For rental of necessary land and for providing quarters and the maintenance and equipment thereof, for assembling, training, and instructing recruits and reserves of all classes, including the crews of section patrols, harbor patrols, submarines and submarine chasers, and beach patrols, and for all purposes connected therewith, \$2,655,360.

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PUBLIC WORKS, BUREAU OF YARDS AND DOCKS.

Quarters for marine guards: For temporary quarters for marine guards at naval magazines, \$100,000.

Submarine facilities: For submarine facilities, navy yards and stations, \$1,500,000.

Power plants and distributing systems: For improvements, central power plants and distributing systems, navy yards and stations, \$750,000.

Depots for coal and other fuel: Toward fuel-oil storage, including not to exceed \$100,000 for the purchase of land, \$1,500,000.

Ordnance storage: For storage of ammunition, mines, torpedoes, and other ordnance material, \$3,000,000.

Naval operating base, Hampton Roads, Virginia: The President is hereby authorized and empowered to take over for the United States the immediate possession and title, including all easements, rights of way, riparian and other rights appurtenant thereto, and including all the rights and properties of railway, electric light, power, telephone, telegraph, water, and sewer companies, of the tract of land known as the Jamestown Exposition site, on Hampton Roads, Virginia, and of such lands adjacent thereto as lie north of Ninety-ninth Street and Algonquin Street, the entire property being bounded on the north and west by Hampton Roads and Willoughby Bay, on the east by Boush Creek, and on the south by Ninety-ninth and Algonquin Streets.

That if said lands and appurtenances and improvements thereof shall be taken over as aforesaid, the United States shall make just compensation therefor, to be determined by the President, and if the amount thereof, so determined by the President, is unsatisfactory to the person entitled to receive the same such person shall be paid seventy-five per centum of the amount so determined by the President and shall be entitled to sue the United States to recover such further sum, as added to said seventy-five per centum will make up such amount as will be just compensation therefor, in the manner provided for by section twenty-four, paragraph twenty, and section one hundred and forty-five of the Judicial Code.

Upon the taking over of said property by the President as aforesaid, the title to all property so taken over shall immediately vest in the United States.

For the payment of compensation for said property so taken over, \$1,200,000, or so much thereof as may be necessary; and toward the equipment of the same as a naval operating base, including piers, store houses, oil-fuel storage, training station and recreation grounds for the fleet and other purposes, \$1,600,000, in all, \$2,800,000: *Provided*, That the appropriation herein shall be available only for the acquisition of the entire property bounded on the north and west by Hampton Roads and Willoughby Bay, on the east by Boush Creek, and on the south by Ninety-ninth and Algonquin Streets, together with all easements, rights of way, riparian and other rights appurtenant thereto, and all the rights and properties of railway, electric light, power, telephone, telegraph, cable, water, and sewer companies: *Provided further*, That the Secretary of the Navy is authorized to expend public money in the development of said tract of land without reference to the requirements of section three hundred and fifty-five of the Revised Statutes.

Hospital construction: For temporary hospital construction, \$1,000,000; and for the establishment of naval medical supply depots at Brooklyn, New York, and Mare Island, California, by purchase or construction, \$350,000; in all, \$1,350,000.

Naval magazine, Saint Juliens Creek, Virginia: The Secretary of the Navy is authorized to expend public money in the development of the tract of land to be added to the naval reservation at the naval ammunition depot, Saint Juliens Creek, Virginia, without reference to the requirements of section three hundred and fifty-five of the Revised Statutes, and the provision in the naval appropriation Act approved August twenty-ninth, nineteen hundred and sixteen (Thirty-ninth Statutes at Large, page five hundred and seventy), authorizing the purchase of additional land under the heading "Naval magazine, Saint Juliens Creek, Virginia," is hereby amended to read as follows: "For additional land, to be secured by purchase or condemnation or otherwise, as the Secretary of the Navy may direct, \$60,000."

Puget Sound, Washington, Navy Yard: The Secretary of the Navy is authorized to acquire by gift, purchase, or condemnation, easements over private land where necessary for the installation of a telephone, power and distant control line for the radio station at Keyport, Washington, between said station and the navy yard, Puget Sound, Washington, \$3,500, which sum is hereby appropriated.

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BUREAU OF MEDICINE AND SURGERY.

HOSPITAL EXPENSES: For the care, maintenance, and treatment of patients in naval and in other than naval hospitals, and for the rental of land, \$3,000,000.

BUREAU OF SUPPLIES AND ACCOUNTS.

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CLOTHING and SMALL-STORES FUND: For purchase of clothing and small-stores for issue to the naval service, to be added to the "Clothing and small-stores fund," \$9,571,000.

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RESERVE MATERIAL, NAVY: For procuring apparatus and materials (other than ordnance materials and medical stores), as a war reserve necessary to be carried in the supply departments for the purpose of fitting out vessels of the fleet and merchant auxiliaries in time of war or when, in the opinion of the President, a national emergency exists, \$2,000,000: *Provided*, That, to prevent deterioration materials purchased under the reserve material Navy fund shall be used as required in time of peace, and when so used reimbursement shall be made to this appropriation from current naval appropriations in order that additional stocks may be procured.

BUREAU OF CONSTRUCTION AND REPAIR.

* * * *Provided*, That the limitations imposed by existing law relative to repairs to vessels of the Navy shall not apply to the expenditure of funds made available in this Act * * *.

BUREAU OF STEAM ENGINEERING.

* * * * *

The foregoing appropriations for the Naval Establishment shall be available for similar expenses of the Coast Guard and Lighthouse Services while cooperating with the Navy in so far as the regular appropriations for these services are insufficient therefor; and, when expenditures are thus made, naval appropriations need not be reimbursed from the appropriations of the Coast Guard and Lighthouse Services.

NAVAL ACADEMY.

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Buildings: For an addition to Isherwood Hall, \$300,000.

MARINE CORPS.

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MAINTENANCE, QUARTERMASTER'S DEPARTMENT, MARINE CORPS.

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REPAIRS OF BARRACKS, MARINE CORPS: Repairs and improvements to barracks, quarters, and other public buildings at posts and stations; for the renting, leasing, improvement, and erection of buildings in the District of Columbia, and at such other places as the public exigencies require; and for per diem to enlisted men employed under the direction of the quartermaster's department on the repair of barracks, quarters, and other public buildings on constant labor for periods of not less than ten days, \$1,104,000.

* * * * *

Depot of supplies, Marine Corps, Philadelphia, Pennsylvania: For the purchase of a strip of land in rear of the depot of supplies, Marine Corps, Philadelphia, Pennsylvania, extending about one hundred and forty-two feet on Washington Avenue and about two hundred and twenty-six feet on Fifteenth Street, with all buildings thereon, and for adapting said buildings to uses connected with the depot, \$200,000.

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INCREASE OF THE NAVY.

The limit of cost of the forty-six submarines now under contract is increased by the sum of \$10,000 each.

SIXTY-FIFTH CONGRESS, FIRST SESSION—OCTOBER 6, 1917.

[PUBLIC—No. 64—65TH CONGRESS.]

[H. R. 5049.]

AN ACT Making appropriations to supply urgent deficiencies in appropriations for the fiscal year ending June thirtieth, nineteen hundred and eighteen, and prior fiscal years, on account of war expenses, and for other purposes.

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AVIATION.

For aviation, * * * including not to exceed \$315,000 for the acquisition of land by purchase or condemnation; * * * \$45,000,000: * * *

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NAVAL EMERGENCY FUND.

To enable the President to secure the more economical and expeditious delivery of materials, equipment, and munitions, and secure the more expeditious construction of ships authorized, and for the purchase or construction of such additional torpedo boat destroyers, submarine chasers, and such other naval small craft, and for each and every purpose connected therewith, as the President may direct, to be expended at the direction and in the discretion of the President, \$100,000,000.

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BUREAU OF NAVIGATION.

Recreation for enlisted men: For the recreation, amusement, comfort, and contentment of enlisted men of the Navy afloat and under training ashore, to be expended in the discretion of the Secretary of the Navy, under such regulations as he may prescribe, \$150,000: *Provided*, That no person shall be employed hereunder at a rate of compensation exceeding \$1,800 per annum.

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BUREAU OF ORDNANCE.

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Fuel lands for armor and projectile plants: For the investigation and acquisition of options to mineral rights on about twenty-six thousand acres of gas and oil lands in the State of West Virginia, located within reasonable distance of the Government armor plant, \$25,000.

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PUBLIC WORKS, BUREAU OF YARDS AND DOCKS.

Hospital construction: For temporary hospital construction and repairs, as may be necessary, at points not provided with suitable hospital facilities, and for buildings for naval medical supplies, \$2,000,000.

New London, Connecticut, submarine base: For the acquisition, by purchase or condemnation, of the tract of land, comprising approximately twenty-six and eighty-eight one-hundredths acres, owned by the C. M. Shay Fertilizer Company, in the immediate vicinity of the property now owned and occupied by the United States as a submarine base at New London, Connecticut, including all easements, rights of way, riparian and other rights appurtenant thereto, \$90,000.

Washington, District of Columbia, Navy Yard: For yard improvements, \$5,000,000.

Handling appliances: For three fifty-ton cranes for use at navy yards, \$450,000.

Training camps: For construction and equipment of training camps, including the rental of land, \$6,000,000.

Marine railways: For marine railways at navy yards and stations, \$375,000.

Ordnance stations: For improvements at stations under the jurisdiction of the Bureau of Ordnance, \$2,250,000.

The appropriation of \$10,000 for expenses of a commission of naval officers to investigate the question of navy yards and naval stations, contained in the naval appropriation Act for the fiscal year nineteen hundred and seventeen, is continued and made available during the fiscal year nineteen hundred and eighteen.

Naval Operating Base, Hampton Roads, Virginia: For cold storage, \$300,000.

Temporary storage: For temporary storage, \$1,000,000.

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BUREAU OF STEAM ENGINEERING.

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For additional amount for the establishment of a high-power radio station on the island of Porto Rico, \$200,000.

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INCREASE OF THE NAVY.

For acquiring and providing facilities for the expeditious construction of additional torpedo-boat destroyers, and for each and every purpose connected therewith, and toward their construction, to cost in all not more than \$350,000,000, or so much thereof as may be necessary, to be expended at the direction and in the discretion of the President.

The President is hereby authorized and empowered, within the amount hereinbefore authorized, to acquire or provide facilities additional to those now in existence for

the construction of torpedo-boat destroyers, their hulls, machinery, and appurtenances, including the immediate taking over for the United States of the possession of and title to land, its appurtenances and improvements, which he may find necessary in this connection.

That if said lands and appurtenances and improvements shall be taken over as aforesaid, the United States shall make just compensation therefor, to be determined by the President, and if the amount thereof, so determined by the President, is unsatisfactory to the person entitled to receive the same, such person shall be paid seventy-five per centum of the amount so determined by the President and shall be entitled to sue the United States to recover such further sum as added to said seventy-five per centum will make up such amount as will be just compensation therefor, in the manner provided for by section twenty-four, paragraph twenty, section one hundred and forty-five of the Judicial Code.

Upon the taking over of said property by the President as aforesaid the title to all property so taken over shall immediately vest in the United States.

SIXTY-FIFTH CONGRESS, SECOND SESSION—MARCH 28, 1918.

[PUBLIC—No. 109—65TH CONGRESSES.]

[H. R. 9867.]

AN ACT Making appropriations to supply urgent deficiencies in appropriations for the fiscal year ending June thirtieth, nineteen hundred and eighteen, and prior fiscal years, on account of war expenses, and for other purposes.

CONTINGENT, NAVY.

* * * *Provided*, That not exceeding \$25,000 of this appropriation shall be available for special allowances for maintenance to officers of the Navy serving under unusual conditions outside the United States and its insular possessions.

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BUREAU OF NAVIGATION.

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Outfits on first enlistment: Outfits for all enlisted men and apprentice seamen of the Navy on first enlistment, at not to exceed \$60 each; for the clothing gratuity of officers and men of the Naval Reserve Force, \$50 each for officers and \$30 each for men in time of peace and \$150 each for officers and \$60 each for men in time of war when called to active duty, \$1,000,000.

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PUBLIC WORKS, BUREAU OF YARDS AND DOCKS.

Hospital construction: For temporary hospital construction and repairs, as may be necessary, at points not provided with suitable hospital facilities, and for buildings for naval medical supplies, \$2,750,000.

Training camps: For construction and equipment of training camps, including the rental of land, \$12,000,000.

Power plants: For improvements to central power plants and distributing systems, navy yards and stations, \$3,500,000.

Ordnance stations: For improvements at stations under jurisdiction of the Bureau of Ordnance, \$2,500,000.

Temporary storage: For temporary storage, \$500,000.

Improvement and equipment of navy yards: To enable the Secretary of the Navy to add to the equipment of navy yards suitable and necessary machinery, improvements, building ways, and other facilities for the construction of ships, \$1,570,000.

Hampton Roads, Virginia, naval operating base: For additional for payment of compensation for property taken over under the authority contained in the deficiency appropriation Act approved June fifteenth, nineteen hundred and seventeen, \$55,072.25, or so much thereof as may be necessary.

Naval prison: For a temporary prison, including all necessary equipment, auxiliary structures and facilities, \$200,000.

Purchase of land for warehouses, South Brooklyn, New York: For the purchase of land for terminal warehouses between Twenty-eighth and Thirty-second Streets and Second and Third Avenues, South Brooklyn, New York, \$560,000, or so much thereof as may be necessary.

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COAST GUARD CUTTERS.

The total limit of cost of the five Coast Guard cruising cutters, fixed at \$2,250,000 by the naval appropriation Act approved March fourth, nineteen hundred and seventeen, is increased to \$3,500,000: *Provided*, That if in the judgment of the Secretary of the Navy the most rapid and economical construction of the foregoing vessels can be obtained thereby, he may contract, within the limit of cost herein named, for the construction of said vessels upon the basis of actual cost plus a reasonable profit to be determined by him.

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NAVAL ACADEMY.

Dairy (reimbursable): For the purchase of the necessary additional cattle and work animals, machinery and implements, erection of additional buildings, and for all other purposes necessary to increase the stock and equipment of the Naval Academy dairy and farm, located at Gambrills, Maryland, \$55,000: *Provided*, That the amount appropriated for this purpose shall be treated as an advance to the midshipmen's store fund at the Naval Academy, to be ultimately returned to the United States: *Provided further*, That expenditures hereunder shall be reported by the Chief of the Bureau of Supplies and Accounts to the Secretary of the Navy in the same manner as now prescribed by law for the midshipmen's store fund.

Midshipmen's store fund (reimbursable): The Secretary of the Navy is authorized to advance to the midshipmen's store fund at the Naval Academy the sum of \$50,000 under "General account of advances," said sum to be used for the purchase of stores and to be accounted for in the same manner as is provided for the midshipmen's store fund in the Act approved May thirteenth, nineteen hundred and eight, and to be repaid into the Treasury not later than December thirty-first, nineteen hundred and nineteen.

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SIXTY-FIFTH CONGRESS, SECOND SESSION—APRIL 26, 1918.

[PUBLIC—No. 140—65TH CONGRESS.]

[H. R. 10783.]

AN ACT To authorize the Secretary of the Navy to increase the facilities for the proof and test of ordnance material, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the Secretary of the Navy is hereby authorized to expend the sum of \$1,000,000, or any part thereof, in his discretion, for the purpose of increasing the facilities for the proof and test of ordnance material, including necessary buildings, construction, equipment, railroad, and water facilities, land and damages and losses to persons, firms, and corporations resulting from the procurement of the land for this purpose, and also all necessary expenses incident to the procurement of said land: *Provided,* That if such lands and appurtenances and improvements attached thereto, can not be procured by purchase within one month after the passage of this Act the President is hereby authorized and empowered to take over for the United States the immediate possession and title of such lands and improvements, including all easements, rights of way, riparian, and other rights appurtenant thereto, of any land selected by him to be used for the carrying out of the purposes of this Act. That if said land and appurtenances and improvements shall be taken over as aforesaid, the United States shall make just compensation therefor, to be determined by the President, and if the amount thereof so determined by the President is unsatisfactory to the person entitled to receive the same, such person shall be paid seventy-five per centum of the amount so determined by the President and shall be entitled to sue the United States to recover such further sum, as, added to the said seventy-five per centum, will make up such amount as will be just compensation therefor, in the manner provided for by section twenty-four, paragraph twenty, and section one hundred and forty-five of the Judicial Code. Upon the taking over of said property by the President as aforesaid, the title to all such property so taken over shall immediately vest in the United States. For the purposes of this Act there is hereby appropriated out of any money in the Treasury of the United States not otherwise appropriated the sum of \$1,000,000, or so much thereof as may be necessary: *Provided,* That no railroad shall be built in the District of Columbia under this Act, until Congress has approved the point from which such road may start and also the route to be followed in the District of Columbia.

Approved, April 26, 1918.

SIXTY-FIFTH CONGRESS, SECOND SESSION—JUNE 4, 1918.

[PUBLIC—NO. 164—65TH CONGRESS.]

[H. R. 12280.]

AN ACT Making appropriations to supply additional urgent deficiencies in appropriations for the fiscal year ending June thirtieth, nineteen hundred and eighteen, on account of war expenses and for other purposes.

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PUBLIC WORKS, BUREAU OF YARDS AND DOCKS.

Training camps: For construction and equipment of training camps, including the rental of land, \$11,000,000.

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SIXTY-FIFTH CONGRESS, SECOND SESSION—JULY 1, 1918.

[PUBLIC—NO. 182—65TH CONGRESS.]

[H. R. 10854.]

AN ACT Making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and nineteen, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the following sums be, and they are hereby, appropriated, to be paid out of any money in the Treasury not otherwise appropriated, for the naval service of the Government for the year ending June thirtieth, nineteen hundred and nineteen, and for other purposes:

Naval service appropriations.

GENERAL EXPENSES.

The Secretary of the Navy shall send to Congress at the beginning of its next regular session a complete schedule or list showing the amount of money of all pay and for all allowances for each grade of officers in the Navy, including retired officers, and for all officers included in this Act and for all enlisted men so included.

Schedule of all pay and allowances to be sent to Congress.

PAY, MISCELLANEOUS.

For commissions and interest; transportation of funds; exchange; mileage to officers while traveling under orders in the United States, and for actual personal expenses of officers while traveling abroad under orders, and for traveling expenses of civilian employees, and for actual and necessary traveling expenses of midshipmen while proceeding from their homes to the Naval Academy for examination and appointment as midshipmen; for actual traveling expenses of female nurses; actual expenses of officers while on shore patrol duty; mileage to officers of the Naval Reserve Force traveling under orders of the Secretary of the Navy; hire of launches or other small boats in Asiatic waters; for rent of buildings and offices not in navy yards, including the rental of offices in the District of Columbia; expenses of courts-martial, prisoners and prisons, and courts of inquiry, boards of inspection, examining boards, with clerks, and witnesses' fees, and traveling expenses and costs; expenses of naval defense districts; stationery and recording; religious books;

Expenses designated.

newspapers and periodicals for the naval service; all advertising for the Navy Department and its bureaus (except advertising for recruits for the Bureau of Navigation); copying; ferriage; tolls; costs of suits; commissions, warrants, diplomas, and discharges; relief of vessels in distress; recovery of valuables from shipwrecks; quarantine expenses; reports; professional investigation; cost of special instruction at home and abroad, including maintenance of students and attachés; information from abroad and at home, and the collection and classification thereof; all charges pertaining to the Navy Department and its bureaus for ice for the cooling of drinking water on shore (except at naval hospitals), telephone rentals and tolls, telegrams, cablegrams, and postage, foreign and domestic, and post-office box rentals; and other necessary and incidental expenses: *Provided*, That the sum to be paid out of this appropriation, under the direction of the Secretary of the Navy, for clerical, inspection, and messenger service in navy yards, naval stations, for the fiscal year ending June thirtieth, nineteen hundred and nineteen, shall not exceed \$500,000, and for necessary expenses for the interned persons and prisoners of war under the jurisdiction of the Navy Department, including funeral expenses for such interned persons or prisoners of war as may die while under such jurisdiction; in all, \$4,350,000: *Provided*, That hereafter the Secretary of the Navy is authorized to consider, ascertain, adjust, determine, and pay the amounts due on all claims for damages to and loss of private property of inhabitants of any European country not an enemy or ally of an enemy when the amount of the claim does not exceed the sum of \$1,000, occasioned and caused by men in the naval service during the period of the present war, all payments in settlement of such claims to be made out of "Pay, Miscellaneous."

The Act entitled "An Act to provide additional protection for the owners of patents of the United States, and for other purposes," approved June twenty-fifth, nineteen hundred and ten, shall be, and the same is hereby, amended to read as follows, namely:

"That whenever an invention described in and covered by a patent of the United States shall hereafter be used or manufactured by or for the United States without license of the owner thereof or lawful right to use or manufacture the same, such owner's remedy shall be by suit against the United States in the Court of Claims for the recovery of his reasonable and entire compensation for such use and manufacture: Provided, however, That said Court of Claims shall not entertain a suit or award compensation under the provisions of this Act where the claim for compensation is based on the use or manufacture by or for the United States of any article heretofore owned, leased, used by, or in the possession of the United States: Provided further, That in any such suit the United States may avail itself of any and all defenses, general or special, that might

Information from abroad, etc.

Provisos. Clerical, etc., services at yards and stations.

Interned persons and prisoners of war.

Claims for damages to private property by naval forces abroad.

Patents.

Recovery by owner if invention used or manufactured by the United States.

Provisos. Claims barred.

Defenses allowed.

be pleaded by a defendant in an action for infringement, as set forth in Title Sixty of the Revised Statutes, or otherwise: And provided further, That the benefits of this Act shall not inure to any patentee who, when he makes such claim, is in the employment or service of the Government of the United States, or the assignee of any such patentee; nor shall this Act apply to any device discovered or invented by such employee during the time of his employment or service."

Patents by Government employees, etc., not included.

The Secretary of the Navy is authorized in leasing waterfront property from any State or municipality where the State law or charter of the municipality requires that the improvements placed upon leased lands shall at the termination of the lease become the property of the State or municipality, to provide, as a part or all of the consideration therefor, that improvements placed thereon by the United States shall become the property of the lessor upon the expiration of the lease or any renewal thereof.

Revision of improvements on leased State, etc., waterfronts.

That hereafter the Secretary of the Navy is authorized to cause vessels under his control adapted to the purpose, to afford salvage service to public or private vessels in distress: Provided, That when such salvage service is rendered by a vessel specially equipped for the purpose or by a tug, the Secretary of the Navy may determine and collect reasonable compensation therefor.

Salvage by naval vessels.

Proviso. Compensation.

CONTINGENT, NAVY: For all emergencies and extraordinary expenses, exclusive of personal services in the Navy Department, or any of its subordinate bureaus or offices at Washington, District of Columbia, arising at home or abroad, but impossible to be anticipated or classified, to be expended on the approval and authority of the Secretary of the Navy, and for such purposes as he may deem proper, \$150,000: Provided, That this appropriation shall be available for special allowances for maintenance to officers of the Navy serving under unusual conditions outside the United States and its insular possessions.

Contingent.

Proviso. Allowances for unusual conditions abroad.

TEMPORARY GOVERNMENT FOR WEST INDIAN ISLANDS: For expenses incident to the occupation of the Virgin Islands and to the execution of the provisions of the Act providing a temporary government for the West Indian Islands acquired by the United States from Denmark, and for other purposes, approved March third, nineteen hundred and seventeen, to be applied under the direction of the President, \$200,000.

Virgin Islands. Expenses of temporary government in.

For actual expenses incurred by and in connection with the civilian Naval Consulting Board, \$100,000.

Civilian consulting board.

INVESTIGATION OF FUEL OIL: For an investigation of fuel oil and gasoline adapted to naval requirements, including the question of supply and storage and the availability economically and otherwise of such supply as may be afforded by the naval reserves on the public domain, and for such other expenses for transportation and hire of vehicles in connection with naval petroleum reserves as the Secretary of the Navy may deem appropriate; for the purchase of necessary instruments and

Fuel oil and gasoline. Investigation, etc., of.

Testing plant. appliances; for the extension of the naval fuel-oil testing plant at the navy yard, Philadelphia, Pennsylvania, and the temporary employment of civilian experts and assistants, \$60,000.

Aviation. General expenses. AVIATION: For aviation, to be expended under the direction of the Secretary of the Navy for procuring, producing, constructing, operating, preserving, storing, and handling aircraft, establishment and maintenance of aircraft stations, including the acquisition of land by purchase, donation, or condemnation; and for experimental work in development of aviation for naval purposes, \$220,383,119:

Providos. Technical, etc., services. Provided, That the sum to be paid out of this appropriation under the direction of the Secretary of the Navy for drafting, clerical, inspection, and messenger service for aircraft stations shall not exceed \$300,000: Provided further, That the Secretary of the Navy is hereby authorized to consider, ascertain, adjust, determine, and pay out of this appropriation the amounts due on claims for damages which have occurred or may occur to private property growing out of the operations of naval aircraft.

State marine schools. STATE MARINE SCHOOLS: To reimburse the State of New York, \$25,000, the State of Massachusetts, \$25,000, and the State of Washington, \$25,000, for expenses incurred in the maintenance and support of marine schools in those States in accordance with section two of the Act entitled "An Act for the establishment of marine schools, and for other purposes," approved March fourth, nineteen hundred and eleven; in all, \$75,000.

Lepers. Care, etc., Culion, P. I. CARE OF LEPERS, ISLAND OF GUAM: Naval station, island of Guam: Maintenance and care of lepers, special patients, and for other purposes, including cost of transfer of lepers from Guam to the island of Culion, in the Philippines, and their maintenance, \$20,000.

BUREAU OF NAVIGATION.

Bureau of Navigation. Transportation. Transportation: For travel allowance of enlisted men discharged on account of expiration of enlistment; transportation of enlisted men and apprentice seamen and applicants for enlistment at home and abroad, with subsistence and transfers en route, or cash in lieu thereof; transportation to their homes, if residents of the United States, of enlisted men and apprentice seamen discharged on medical survey, with subsistence and transfers en route, or cash in lieu thereof; transportation of sick or insane enlisted men and apprentice seamen to hospitals, with subsistence and transfers en route, or cash in lieu thereof; transportation of enlisted men of the Naval Reserve Force to and from duty, with subsistence and transfers en route, or cash in lieu thereof; transportation of civilian officers and crews of naval auxiliaries; apprehension and delivery of deserters and stragglers, and for railway guides and other expenses incident to transportation; expenses of recruiting for the naval service; rent of

Naval Reserve Force.

Recruiting.

rendezvous and expenses of maintaining the same; purchase, rental, maintenance, operation, exchange, and repair of motor-propelled passenger-carrying vehicles for official use; advertising for and obtaining men and apprentice seamen; actual and necessary expenses in lieu of mileage to officers on duty with traveling recruiting parties, \$12,000,000.

Recreation for enlisted men: For the recreation, amusement, comfort, and contentment of enlisted men of the Navy afloat and under training ashore, to be expended in the discretion of the Secretary of the Navy, under such regulations as he may prescribe: Provided, That no person shall be employed hereunder at a rate of compensation exceeding \$1,800 per annum, \$150,000.

Recreation for enlisted men.

Proviso. Pay restriction.

Contingent: Ferriage, continuous-service certificates, discharges, good-conduct badges, and medals for men and boys, including civilian employees who render conspicuous service by putting their life in jeopardy to save life or property; purchase of gymnastic apparatus; transportation of effects of deceased officers and enlisted men of the Navy, and of officers and enrolled men of the Naval Reserve Force who die while on duty; books for training apprentice seamen and landsmen; maintenance of gunnery and other training classes; packing boxes and materials; books and models; stationery; and other contingent expenses and emergencies arising under cognizance of the Bureau of Navigation, unforeseen and impossible to classify, \$20,000.

Contingent.

GUNNERY AND ENGINEERING EXERCISES: Prizes, trophies, and badges for excellence in gunnery, target practice, engineering exercises, and for economy in coal consumption, to be awarded under such rules as the Secretary of the Navy may formulate; for the purposes of printing, recording, classifying, compiling, and publishing the rules and results; for the establishment and maintenance of shooting galleries, target houses, targets and ranges; for hiring established ranges, and for transporting the civilian assistants and equipment to and from ranges \$425,000.

Gunnery and engineering exercises.

Targets, ranges, etc.

OUTFITS ON FIRST ENLISTMENT: Outfits for all enlisted men and apprentice seamen of the Navy on first enlistment, at not to exceed \$100 each; for the clothing gratuity of officers and other members of the Naval Reserve Force, not to exceed \$150 each for officers; for civilian clothing not to exceed \$15 per man to men given discharges for bad conduct, undesirability, or inaptitude; in all, \$9,975,000.

Outfits on first enlistment, etc.

Instruments and supplies: Supplies for seamen's quarters; and for the purchase of all other articles of equipage at home and abroad; and for the payment of labor in equipping vessels therewith and manufacture of such articles in the several navy yards; all pilotage and towage of ships of war; canal tolls, wharfage, dock and port charges, and other necessary incidental expenses of a similar nature; services and materials in repairing, correcting, adjusting, and testing compasses on shore and on

Equipment supplies; instruments, etc.

board ship; nautical and astronomical instruments and repairs to same; libraries for ships of war, professional books, schoolbooks, and papers; *maintenance of gunnery and other training classes*; compasses, compass fittings, including binnacles, tripods, and other appendages of ship's compasses; logs and other appliances for measuring the ship's way, and leads and other appliances for sounding; photographs, photographic instruments and materials, printing outfit and materials; *and for the necessary civilian electricians for gyrocompass testing and inspection, \$3,469,800.*

Ocean and lake surveys.

OCEAN AND LAKE SURVEYS: Hydrographic surveys, including the pay of the necessary hydrographic surveyors, cartographic draftsmen and recorders, and for the purchase and printing of nautical books, charts, and sailing directions, *\$155,000; Provided, That the Secretary of the Navy is authorized to detail such naval officers as may be necessary to the Hydrographic Office.*

Proviso. Hydrographic Office details.

Naval Militia and Volunteers. Laws repealed.

That upon the approval of this Act all laws heretofore enacted by the Congress relating to the Naval Militia and the National Naval Volunteers be, and the same hereby are, repealed; and the President is authorized to transfer as a class all members of the National Naval Volunteers to the class "the Naval Reserve," "the Naval Reserve Flying Corps" or "the Marine Corps Reserve" of the Naval Reserve Force or the Marine Corps Reserve, for general service, in the confirmed rank, grade, or rating they now hold in the National Naval Volunteers, regardless of their being members of a State military force, and without examination and the necessity of executing or filing a new oath and acceptance of office; that until such transfer is effected members of the National Naval Volunteers shall retain their present status and be entitled to receive the same pay, allowances, gratuities, and other benefits as heretofore provided by law, and shall continue subject to the laws prescribed for the government of the Navy; that all members of the Naval Reserve Force shall be eligible for reenrollment in the rank, grade, or rating held on the termination of their last enrollment; that no enrollments or promotions shall be made in any rank or grade above that of lieutenant commander, except as herein otherwise provided.

Status, etc., retained until transferred.

Reenrollment in Naval Reserve Force. Limitation.

Medical and Dental Reserve Corps. Laws repealed. Proviso.

Transferred to Naval Reserve Force.

That all laws heretofore enacted by Congress relating to the Medical Reserve Corps and Dental Reserve Corps be, and the same hereby are, repealed: Provided, That members of the Medical Reserve Corps and Dental Reserve Corps may be enrolled in the Naval Reserve Force in their present grades and ranks.

Naval Dental Corps and Reserve. Provisions repealed.

That the Act approved August twenty-ninth, nineteen hundred and sixteen, entitled "An Act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and seventeen, and for other purposes" (Statutes at Large, volume thirty-nine, chapter four hundred and seventeen, pages five hundred and seventy-three and five hundred and seventy-four), be, and the same is hereby,

amended by striking out all of said Act following the caption "Naval Dental Corps" on page five hundred and seventy-three, but preceding the caption "Dental Reserve Corps", on page five hundred and seventy-four, and by substituting therefor the following:

"That the President of the United States is hereby authorized to appoint and commission, by and with the advice and consent of the Senate, dental officers in the Navy at the rate of one for each thousand of the total authorized number of officers and enlisted men of the Navy and Marine Corps, in the grades of assistant dental surgeon, passed assistant dental surgeon and dental surgeon, who shall constitute the Naval Dental Corps, and shall be a part of the Medical Department of the Navy, Original appointments to the Naval Dental Corps shall be made in the grade of assistant dental surgeon with the rank of lieutenant (junior grade), and all dental officers now in the Dental Corps appointed under the provisions of the Act of Congress approved August twenty-second, nineteen hundred and twelve (Statutes at Large, volume thirty-seven, page three hundred and forty-five), or under the provisions of the Act of Congress approved August twenty-ninth, nineteen hundred and sixteen (Statutes at Large, volume thirty-nine, page five hundred and seventy-three), or who may hereafter be appointed, shall take rank and precedence with officers of the Medical Naval Corps of the same rank according to the dates of their respective commissions or original appointments, and all such dental officers shall be eligible for advancement in grade and rank in the same manner and under the same conditions as officers of the Naval Medical Corps with or next after whom they take precedence, and shall receive the same pay and allowances as officers of corresponding rank and length of service in the Naval Medical Corps up to and including the rank of lieutenant commander: Provided, That dental surgeons shall be eligible for advancement in pay and allowances, but not in rank, to and including the pay and allowances of commander and captain, subject to such examinations as the Secretary of the Navy may prescribe, except that the number of dental surgeons with the pay and allowances of captain shall not exceed four and one-half per centum and the number of dental surgeons with the pay and allowances of commander shall not exceed eight per centum of the total authorized number of dental officers: Provided further, That dental surgeons shall be eligible for advancement to the pay and allowances of commander and captain when their total active service as dental officers in the Navy is such that if rendered as officers of the Naval Medical Corps, it would place them in the list of medical officers with the pay and allowances of commander or captain, as the case may be: And provided further, That dental officers who shall have gained or lost numbers on the Navy list shall be considered to have gained or lost service accordingly; and the

Naval Dental Corps.
Created as part of Medical Department.
Ratio to Navy and Marine Corps strength.
Grades.

Original rank.

Rank and precedence in Medical Corps.

Promotions.

Provisos.
Advance in pay, but not in rank, up to captains.

Service pay and allowances.

Effect of gained or lost numbers.

Credit for service under former commissions.	<i>time served by dental officers on active duty as acting assistant dental surgeons and assistant dental surgeons under provisions of law existing prior to the passage of this Act shall be reckoned in computing the increased service pay and service for precedence and promotion of dental officers herein authorized or heretofore appointed.</i>
Qualifications.	<i>"All appointees authorized by this Act shall be citizens of the United States between twenty-one and thirty-two years of age, and shall be graduates of standard medical or dental colleges and trained in the several branches of dentistry, and shall, before appointment, have successfully passed mental, moral, physical, and professional examinations before medical and professional examining boards appointed by the Secretary of the Navy, and have been recommended for appointment by such boards: Provided, That hereafter no person shall be appointed as assistant dental surgeon in the Navy who is not a graduate of a standard medical or dental college.</i>
Proviso. College graduation.	<i>"Officers of the Naval Dental Corps shall become eligible for retirement in the same manner and under the same conditions as now prescribed by law for officers of the Naval Medical Corps, except that section fourteen hundred and forty-five of the Revised Statutes of the United States shall not be applicable to dental officers, and they shall not be entitled to rank above lieutenant commander on the retired list, or to retired pay above that of captain.</i>
Retirement.	<i>"All dental officers now serving under probationary appointments shall become immediately eligible for permanent appointment under the provisions of this Act, subject to the examinations prescribed by the Secretary of the Navy for original appointment as dental officers, and may be appointed assistant dental surgeon with the rank of lieutenant (junior grade) to rank from the date of their probationary appointments: Provided, That the senior dental officer now at the United States Naval Academy shall not be displaced by the provisions of this Act, and he shall hereafter have the grade of dental surgeon and the rank, pay, and allowances of lieutenant commander, and he shall not be eligible for retirement before he has reached the age of seventy years, except for physical disability incurred in the line of duty: Provided further, That no dental officer in the Navy who on original appointment as dental officer was over forty years of age shall be eligible for retirement before he has reached the age of seventy years, except for physical disability incurred in line of duty.</i>
Disability not required.	<i>"All Acts or parts of Acts inconsistent with the provisions of this Act relating to the Dental Corps of the Navy are hereby repealed: Provided, That nothing herein contained shall be construed to legislate out of the service any officer now in the Medical Department of the Navy or to reduce the rank, pay, or allowances now authorized by law for any officer of the Navy."</i>
Limitation.	<i>That the provisions of the Act entitled "An Act making appropriations for the naval service for the fiscal year end-</i>
Probationary officers eligible.	<i>"All Acts or parts of Acts inconsistent with the provisions of this Act relating to the Dental Corps of the Navy are hereby repealed: Provided, That nothing herein contained shall be construed to legislate out of the service any officer now in the Medical Department of the Navy or to reduce the rank, pay, or allowances now authorized by law for any officer of the Navy."</i>
Proviso. Naval Academy senior dental officer. Rank, etc., for.	<i>"All Acts or parts of Acts inconsistent with the provisions of this Act relating to the Dental Corps of the Navy are hereby repealed: Provided, That nothing herein contained shall be construed to legislate out of the service any officer now in the Medical Department of the Navy or to reduce the rank, pay, or allowances now authorized by law for any officer of the Navy."</i>
Retirement limitation.	<i>"All Acts or parts of Acts inconsistent with the provisions of this Act relating to the Dental Corps of the Navy are hereby repealed: Provided, That nothing herein contained shall be construed to legislate out of the service any officer now in the Medical Department of the Navy or to reduce the rank, pay, or allowances now authorized by law for any officer of the Navy."</i>
Inconsistent laws repealed. Proviso. No reduction of pay, etc.	<i>"All Acts or parts of Acts inconsistent with the provisions of this Act relating to the Dental Corps of the Navy are hereby repealed: Provided, That nothing herein contained shall be construed to legislate out of the service any officer now in the Medical Department of the Navy or to reduce the rank, pay, or allowances now authorized by law for any officer of the Navy."</i>
Fleet Naval Reserve.	<i>"All Acts or parts of Acts inconsistent with the provisions of this Act relating to the Dental Corps of the Navy are hereby repealed: Provided, That nothing herein contained shall be construed to legislate out of the service any officer now in the Medical Department of the Navy or to reduce the rank, pay, or allowances now authorized by law for any officer of the Navy."</i>

ing June thirtieth, nineteen hundred and seventeen, and for other purposes," approved August twenty-ninth, nineteen hundred and sixteen, are hereby amended as follows:

Strike out that part of the fourth paragraph under the subcaption "Fleet Naval Reserve" which reads as follows: "Men enrolled in the Fleet Naval Reserve with less than eight years' naval service shall be paid at the rate of \$50 per annum, those with eight or more years' and less than twelve years' naval service shall be paid at the rate of \$72 per annum; and those with twelve or more years' naval service shall be paid at the rate of \$100 per annum, such pay to be considered as retainer pay for the obligation on the part of such members to serve in the Navy in time of war or national emergency," and substitute therefor the following:

Paragraph repealed.

"The retainer pay of the enrolled men of the Fleet Naval Reserve shall be the same as for the enrolled men of the Naval Reserve and shall be computed in like manner: Provided, That nothing herein shall operate to reduce the retainer pay allowed by existing law to enlisted men who, after sixteen years' or more naval service, are transferred to the Fleet Naval Reserve, nor to deny to such enlisted men their privilege of retirement upon completing thirty years' naval service as now provided by law."

Retainer pay made same as Naval Reserve. Proviso.

Service credit and retirement not affected.

Strike out the first paragraph under the subcaption "Naval Reserve," and substitute the following:

Naval Reserve.

"Members of the Naval Reserve Force who have enrolled for general service and are citizens of the United States are eligible for membership in the Naval Reserve. No person shall be enrolled in or transferred to this class unless he establishes satisfactory evidence as to his qualifications for duty on board combatant ships of the Navy."

Qualification for enrollment in.

That the age limits for the several ranks, grades, and ratings on first enrollment in the Naval Reserve shall be as prescribed by the Secretary of the Navy.

Age limits, etc., to be prescribed.

That the minimum active service required for maintaining the efficiency of a member of the Naval Reserve shall be two months during each term of enrollment and an attendance at not less than thirty-six drills during each year, or other equivalent duty. The active service may be in one period or in periods of not less than fifteen days each.

Active service requirements.

That the annual retainer pay of members of the Naval Reserve Force, except officers in the Naval Auxiliary Reserve and transferred members of the Fleet Naval Reserve, after confirmation in rank, grade, or rating, shall be the equivalent of two months' base pay of the corresponding rank, grade, or rating in the Navy, but the highest base pay upon which the retainer pay of officers of the Naval Reserve Force shall be computed shall not be greater than the base pay of a lieutenant commander. Service in the Navy, Marine Corps, National Naval Volunteers, and Naval Militia shall be counted as continuous service in the Naval Reserve Force, both for the purpose of retirement and of computing retainer pay: Provided, That no member of the Naval Reserve Force shall be eligible for retirement other

Retainer pay.

Limit for officers.

Service credits.

Proviso. Retirement limitations.

- Restriction on than for physical disability incurred in line of duty: Provided further, That no retainer pay of any member of the Naval Reserve Force except those enlisted men transferred to the Fleet Naval Reserve after sixteen or twenty or more years' naval service shall be in excess of the amount authorized to members having had sixteen years' continuous service therein.
- Retainer pay.
- Duty afloat in That in time of peace the Secretary of the Navy is authorized, in his discretion, to order any member of the Naval Reserve Force, with his consent, who has been confirmed in his rank, grade, or rating, to perform any duty afloat for any period of time for which his services may be required: Provided, That such members may be relieved from duty by the Secretary of the Navy at any time and shall upon their own application be released from said duty within four months from the date of their application therefor.
- Time of peace.
- Proviso. Termination.
- Uniform gratuity. That the uniform gratuity for the members, other than officers, of each class of the Naval Reserve Force shall be the same as that prescribed for enlisted men of the Navy, but in time of peace the Secretary of the Navy shall prescribe the portion of the clothing gratuity to be issued to such members, other than officers, of the Naval Reserve Force.
- Pay restriction in time of peace. That in time of peace no member of any class of the Naval Reserve Force shall be entitled to retainer pay when assigned to active duty for purposes other than training.
- Clothing gratuity in time of war. That no part of the clothing gratuity credited to members of the Naval Reserve Force shall be deducted from their accounts where said members accept or have accepted temporary appointments in the Navy in time of war or other national emergency.
- Age disenrollment. That members of the Naval Reserve Force shall upon reaching the age of sixty-four years be disenrolled except that in time of war or other national emergency such members of the Naval Reserve Force, if in active service, may be continued therein during such period as the Secretary of the Navy may determine, but not longer than six months after said war or other national emergency shall cease to exist.
- Retention in time of war.
- Promotion of officer in time of peace. That no officer of any class of the Naval Reserve Force shall in time of peace be promoted above the grade of lieutenant commander, but in time of war or other national emergency officers of the Naval Reserve Force of and above the rank of lieutenant commander in active service shall be eligible for selection for promotion to the next higher grade or rank by the same board of officers that selects officers of the United States Navy for promotion to such higher ranks and grades, under the same rules and regulations as apply to the selection for promotion of officers of the United States Navy. The promotion of officers of the Naval Reserve Force below the rank of lieutenant commander shall at all times be in accordance with such regulations as the Secretary of the Navy may prescribe.
- In time of war.
- At all times below lieutenant commander.
- Precedence of officers on active duty. That when on active duty officers of the Naval Reserve Force shall take precedence among themselves and with other

officers of the naval service in their respective grades or ranks according to the dates of their commissions or provisional assignment of rank in the Naval Reserve Force: *Provided*, That all officers of the Naval Reserve Force of and above the rank of lieutenant commander shall rank with but after officers of the same rank or grade in the United States Navy, except that in time of war or other national emergency such officers of the Naval Reserve Force shall have a date of precedence with officers of the United States Navy as of the date of general mobilization, to be established by the Secretary of the Navy: *Provided further*, That during the present emergency the date of precedence of all officers of the Naval Reserve Force shall be as prescribed by the Secretary of the Navy.

Proviso.
Of and above lieutenant commander.

For present emergency.

No officer of the Naval Coast Defense Reserve or officer of the Naval Reserve Flying Corps shall exercise command except within his particular department or service for the due performance of his respective duties.

Commands restricted.

Members of the Naval Reserve Force when employed in active service, ashore or afloat, under the Navy Department shall receive the same pay and allowances as received by the officers and enlisted men of the Regular Navy of the same rank, grades, or ratings and of the same length of service, which shall include service in the Navy, Marine Corps, Naval Reserve Force, Naval Militia, National Naval Volunteers, or Marine Corps Reserve.

Active service pay, etc., to correspond with Navy.

Service credits, Naval Reserve Force.

That the unexpended and unobligated portion of all moneys heretofore appropriated, and the appropriation authorized by section ten of Public Numbered Fifty-seven, Sixty-third Congress, approved February sixteenth, nineteen hundred and fourteen, for the training and equipment of the Naval Militia and the National Naval Volunteers, for the clerical force and the office expenses of the Division of Naval Militia Affairs, and the property loaned by the Navy Department for the arming and equipping of the Naval Militia shall be, and hereby are, made available for training and equipping the Naval Reserve Force and for the purchase, rental, and maintenance of suitable armories therefor, including the acquisition of the necessary land upon which such armories may be located.

Appropriations for Naval Militia and Volunteers available for.

That the clerical force and office expenses provided for the Division of Naval Militia Affairs shall be transferred to the Bureau of Navigation.

Naval Militia Division transferred to Bureau of Navigation.

Enrolled members of the Naval Reserve Force when in active service shall be subject to the laws, regulations, and orders for the government of the Regular Navy, and the Secretary of the Navy may, in his discretion, permit the members of the Naval Reserve Force to wear the uniform of their respective ranks, grades, or ratings while not in active service, and such members shall, for any act committed by them while wearing the uniform of their respective ranks, grades, or ratings, be subject to the laws, regulations, and orders for the government of the Regular Navy.

Naval Reserve Force. Uniform permitted. Responsibility. Navy Regulations to govern, in active service.

Training Sta-
tions.
Yerba Buena
Island, Cal.

NAVAL TRAINING STATION, CALIFORNIA: Maintenance of naval training station, Yerba Buena Island, California: Labor and material; buildings and wharves; general care, repairs, and improvements of grounds, buildings, and wharves; wharfage, ferriage, and street car fare; purchase and maintenance of live stock, and attendance on same; wagons, carts, implements, and tools, and repairs to same, including the maintenance, repair, and operation of one horse-drawn passenger-carrying vehicle to be used only for official purposes; fire engines and extinguishers; gymnastic implements, models, and other articles needed in instruction of apprentice seamen; printing outfit and materials, and maintenance of same; heating and lighting; stationery, books, schoolbooks, and periodicals; fresh water, and washing; packing boxes and materials; and all other contingent expenses; maintenance of dispensary building; lectures and suitable entertainments for apprentice seamen; in all, \$225,000.

Coasters Harbor
Island, R. I.

NAVAL TRAINING STATION, RHODE ISLAND: Maintenance of naval training station, Coasters Harbor Island, Rhode Island: Labor and material; buildings and wharves; dredging channels; extending sea walls; repairs to causeway and sea wall; general care, repairs, and improvements of grounds, buildings, and wharves; wharfage, ferriage, and street car fare; purchase and maintenance of live stock, and attendance on same; wagons, carts, implements, and tools, and repairs to same, including the maintenance, repair, and operation of two horse-drawn passenger-carrying vehicles to be used only for official purposes; fire engines and extinguishers; gymnastic implements; models and other articles needed in instruction of apprentice seamen; printing outfit and materials, and maintenance of same; heating and lighting; stationery, books, schoolbooks, and periodicals; fresh water, and washing; packing boxes and materials; and all other contingent expenses; lectures and suitable entertainments for apprentice seamen; in all, \$350,000: *Provided*, That the sum to be paid out of this appropriation under the direction of the Secretary of the Navy for clerical, drafting, inspection, and messenger service for the fiscal year ending June thirtieth nineteen hundred and nineteen shall not exceed \$15,701.60.

Provided.
Clerical, etc.,
services.

Great Lakes
Ill.

NAVAL TRAINING STATION, GREAT LAKES: Maintenance of naval training station: Labor and material; general care, repairs, and improvements of grounds, buildings, and piers; street car fare; purchase and maintenance of live stock, and attendance on same; motor-propelled vehicles, wagons, carts, implements, and tools, and repairs to same, including the maintenance, repair, and operation of one motor-propelled passenger-carrying vehicle, and one horse-drawn passenger-carrying vehicle to be used only for official purposes; fire apparatus and extinguishers; gymnastic implements; models and other articles needed in instruction of apprentice seamen; printing outfit and

material, and maintenance of same; heating and lighting, and repairs to power-plant equipment, distributing mains, tunnel, and conduits; stationery, books, schoolbooks, and periodicals; washing; packing boxes and materials; lectures and suitable entertainments for apprentice seamen; and all other contingent expenses: *Provided*, That the sum to be paid out of this appropriation under the direction of the Secretary of the Navy for clerical, drafting, inspection, and messenger service for the fiscal year ending June thirtieth, nineteen hundred and nineteen, shall not exceed \$6,000; in all, naval training station, Great Lakes, \$725,000.

Provided,
Clerical, etc.,
services.

NAVAL TRAINING STATION, SAINT HELENA: Maintenance of naval training stations at Saint Helena and at naval operating base, Virginia, labor and material, general care, repairs, and improvements; schoolbooks; and all other incidental expenses, \$310,000.

Saint Helena,
Va.

ORGANIZING THE NAVAL RESERVE FORCE: For expenses of organizing, administering, and recruiting the Naval Reserve Force, including clerical and messenger hire, office rent, furniture, stationery, and postage, printing, advertising, and other necessary expenses, \$200,000.

Naval Reserve
Force.
Organization,
etc., expenses.

SCHOOLS OR CAMPS OF INSTRUCTION, NAVAL RESERVE FORCE: For assembling, training, and instructing recruits and reserves of all classes, including the crews of section patrols, submarines and submarine chasers, and beach patrols, and for all purposes connected therewith, \$2,655,360.

Instruction
schools or camps.

NAVAL WAR COLLEGE, RHODE ISLAND: For maintenance of the Naval War College on Coasters Harbor Island, including the maintenance, repair, and operation of one horse-drawn passenger-carrying vehicle to be used only for official purposes; and care of grounds for same, \$35,250; services of a professor of international law, \$2,000; services of civilian lecturers, rendered at the War College, \$300; care and preservation of the library, including the purchase, binding, and repair of books of reference and periodicals, \$1,300: *Provided*, That the sum to be paid out of this appropriation under the direction of the Secretary of the Navy for clerical, inspection, drafting, and messenger service for the fiscal year ending June thirtieth, nineteen hundred and nineteen, shall not exceed \$22,500; in all, Naval War College, Rhode Island, \$38,850.

Naval War Col-
lege, R. I.

Provided,
Clerical, etc.,
services.

NAVAL HOME, PHILADELPHIA, PENNSYLVANIA, PAY OF EMPLOYEES: One secretary, \$1,800; one foreman mechanic, \$1,800; one superintendent of grounds, at \$900; one steward, at \$900; one store laborer, at \$540; one matron and office assistant, at \$600; one beneficiaries' attendant, at \$360; one chief cook, at \$540; one assistant cook, at \$420; one assistant cook, at \$360; one chief laundress, at \$300; five laundresses, at \$240 each; one chief scrubber, at \$300; three scrubbers, at \$240 each; one head waitress, at \$360; eight waitresses, at \$240 each; one kitchen attendant, at \$420; nine laborers, at \$420 each; one stable keeper and driver, at \$540; one master

Naval Home,
Philadelphia, Pa.
Pay of em-
ployees.

at arms, at \$720; two house corporals, at \$480 each; one barber, at \$480; one carpenter, at \$960; one painter, at \$960; one painter, at \$840; one engineer, \$960; four laborers, at \$600 each; two laborers, at \$660 each; one laborer, at \$420; total for employees, \$27,840.

Maintenance.

MAINTENANCE: Water rent, heating, and lighting; cemetery, burial expenses and headstones; general care and improvements of grounds, buildings, walls, and fences; repairs to power-plant equipment, implements, tools, and furniture, and purchase of the same; music in chapel and entertainments for beneficiaries; stationery, books, and periodicals; transportation of indigent and destitute beneficiaries to the Naval Home, and of sick and insane beneficiaries, their attendants and necessary subsistence for both, to and from other Government hospitals; employment of such beneficiaries in and about the Naval Home as may be authorized by the Secretary of the Navy, on the recommendation of the governor; support of beneficiaries, and all other contingent expenses, including the maintenance, repair, and operation of three horse-drawn passenger-carrying vehicles, to be used only for official purposes, \$87,805; in all, for Naval Home, \$115,645, which sum shall be paid out of the income from the naval pension fund.

Payable from naval pension fund.

Enlisted strength of navy. Increase authorized.

That the authorized enlisted strength of the active list of the Navy is hereby increased from eighty-seven thousand to one hundred and thirty-one thousand four hundred and eighty-five.

Navy and Marine Corps, temporary increase.

That the Act approved May twenty-second, nineteen hundred and seventeen (Statutes at Large, volume forty, page eighty-five), entitled "An Act to temporarily increase the commissioned and warrant and enlisted strength of the Navy and Marine Corps, and for other purposes," be, and the same is hereby, amended by striking out all of the first and second sections of said Act, after the enacting clause, and by substituting therefor the following:

Navy. Enlisted strength temporarily increased. Distribution.

"That the authorized enlisted strength of the active list of the Navy is hereby temporarily increased from one hundred and thirty-one thousand four hundred and eighty-five to one hundred and eighty-one thousand four hundred and eighty-five; the authorized number of apprentice seamen is hereby temporarily increased from six thousand to twenty-four thousand; and the authorized number of enlisted men of the Flying Corps is hereby temporarily increased from three hundred and fifty to ten thousand: Provided, That the phrase 'authorized enlisted strength,' as applied to the personnel of the Navy, shall mean the total number of enlisted men of the Navy authorized by law, exclusive of the Hospital Corps, apprentice seamen, those sentenced by court-martial to discharge, those detailed for duty with Naval Militia, those furloughed without pay, enlisted men of the Flying Corps, and those under instruction in trade schools: Provided further, That the number of enlisted men for instruction in trade schools shall not at any time exceed fourteen thousand.

Proviso. Authorized enlisted strength defined.

Number at trade schools.

which number is hereby temporarily authorized: Provided further, That the President is authorized, at any time during the period of the present war, when in his judgment it becomes necessary, temporarily to increase the authorized enlisted strength of the Navy, as provided for herein, by the addition of fifty thousand men."

Further increase authorized.

"Sec. 2. That the authorized enlisted strength of the active list of the Marine Corps is hereby temporarily increased from seventeen thousand four hundred to seventy-five thousand five hundred, this authorized strength being distributed in the various grades of the enlisted force in the same proportion as those authorized at the date of the approval of this Act: Provided, That not more than twenty-five per centum of the authorized number of privates in the Marine Corps shall have the rank of private, first class, which rank is hereby established in the Marine Corps."

Marine Corps. Enlisted strength increased.

Privates, first class, established.

The rank and title of Major General is hereby created in the Marine Corps, and the President is authorized to nominate, and, by and with the advice and consent of the Senate to appoint one Major General, who shall at all times be junior in rank to the Major General Commandant, and also one temporary Major General in the Marine Corps, who shall at all times be junior to the permanent Major General.

Major General and temporary Major General authorized.

That the said Act of May twenty-second, nineteen hundred and seventeen, Statutes at Large, volume forty, page eighty-five, be, and the same is hereby, amended by striking out the word "lieutenant" in lines five and fourteen of section four thereof, and substituting therefor the words "lieutenant commander" and adding at the end of section four the following proviso: Provided further, That based on the temporary increase of enlisted men of the Marine Corps herein authorized, the President, by and with the advice and consent of the Senate, is authorized, in his discretion, temporarily to appoint not exceeding six brigadier generals, twenty-two colonels, and twenty-two lieutenant colonels in the Marine Corps in addition to the number permanently allowed by law in those grades; said temporary appointments shall continue in force only until otherwise directed by the President or until Congress shall amend or repeal the same and not later than six months after the termination of the present war; by striking out the words "commissioned warrant officers, warrant officers, and" in lines fourteen and fifteen of section five thereof; and by inserting after the semicolon in line thirty-one of section five, the following: "Provided further, That temporary appointments as chief warrant officers may be made by the President, with the consent of the Senate," so that said sections, as amended, will read as follows:

Temporary increase of commissioned officers.

Marine Corps. Further increase.

Limitation of authorization.

Warrant officers. Age limit stricken out. Chief warrant officers added.

"Sec. 4. Additional commissioned officers in the Navy and Marine Corps, based upon the temporary increases herein authorized in the number of enlisted men, shall be temporarily appointed by the President, in his discretion, with the advice and consent of the Senate, not above the grades and ranks of lieutenant commander in the line and staff of the Navy and

Officers. Temporary appointments based on increase enlisted strength.

Distribution of grades. *and major in the Marine Corps, the distribution in said grades and ranks to be made in accordance with the provisions of the Act of August twenty-ninth, nineteen hundred and sixteen: Provided, That all temporary original appointments shall be made in the lowest commissioned grades of the line and staff of the Navy and Marine Corps, exclusive of commissioned warrant officers, and that there shall be no permanent or temporary appointments in or permanent or temporary promotions to any grade or rank above that of lieutenant commander in the Navy or major in the Marine Corps by reason of the temporary appointment of officers authorized by this Act in excess of the total number of officers authorized by existing law or on account of the increase of enlisted men herein authorized: Provided further, That, during the period of the present war, the deficiency existing prior to the passage of this Act in the total number of commissioned officers of the Navy and Marine Corps authorized by the Act of August twenty-ninth, nineteen hundred and sixteen, may also be supplied by temporary appointments in the lowest grades and by temporary promotions to all other grades until a sufficient number of officers shall be available for regular appointment or promotion in accordance with existing law: Provided further, That nothing herein shall be held or construed to limit or abridge the use or service of the officers of the Navy and Marine Corps on the retired list or of the officers of the Naval Militia and National Naval Volunteers, Naval Reserve Force, and Marine Corps Reserve, as provided and authorized under existing law: Provided further, That temporary chaplains and temporary acting chaplains in the Navy may be appointed for service during the period of the war in the proportion of the personnel of the Navy as now prescribed by existing law: Provided further, That, based on the temporary increase of enlisted men of the Marine Corps herein authorized, the President, by and with the advice and consent of the Senate, is authorized, in his discretion, temporarily to appoint not exceeding six brigadier generals, twenty-two colonels, and twenty-two lieutenant colonels in the Marine Corps in addition to the number permanently allowed by law in those grades; said temporary appointments shall continue in force only until otherwise directed by the President or until Congress shall amend or repeal the same and not later than six months after the termination of the present war.*

Original appointments to be in lowest grades.

To higher grades restricted.

Supplying existing vacancies for present war.

Use of retired or reserve officers not abridged.

Chaplains. Additional appointments.

Marine Corps. Additional temporary officers.

Distribution of grades.

Duration of commissions.

Eligibility for appointments or promotions to temporary grades or ranks.

“Sec. 5. That the additional temporary officers authorized in the various grades and ranks of the Navy and Marine Corps in accordance with the next preceding section may be temporarily appointed to serve in the grades or ranks to which appointed or promoted by the temporary advancement of officers holding permanent and probationary commissions, by temporary appointment of commissioned warrant officers, warrant officers, and enlisted men of the Navy, and warrant officers, noncommissioned officers, and clerks to assist paymasters of the Marine Corps, commissioned and warrant officers of the United States Coast Guard, citizens of the

United States who have had previous naval or military service or training, and other citizens of the United States specially qualified: Provided, That such chief warrant officers as are given the temporary appointments provided herein who were chief warrant officers in the permanent Navy on July first, nineteen hundred and seventeen, and were not given such temporary appointments as of that date because of age restriction or ill health, shall take rank and precedence with the other chief warrant officers temporarily appointed as of July first, nineteen hundred and seventeen, and according to their seniority as chief warrant officers in the permanent service: Provided further, That in making appointments authorized herein the maximum age limit shall be fifty years for enlisted men to ensign, enlisted men of the Navy to warrant rank, noncommissioned officers of the Marine Corps to commissioned rank, members of the Marine Corps branch of the Naval Militia and National Naval Volunteers, Marine Corps Reserve, and civilians specially qualified to commissioned rank, and temporary chaplains and temporary acting chaplains: Provided further, That graduates of the Naval Academy and warrant officers duly commissioned in the Navy or Marine Corps in accordance with existing law shall not, by virtue of this Act, be required to receive temporary appointments; and the class of midshipmen graduated from the Naval Academy on March twenty-ninth, nineteen hundred and seventeen, and the classes to be graduated hereafter, may be commissioned effective from date of graduation: Provided further, That temporary appointments as warrant officers of the Navy may be made by the Secretary of the Navy: Provided further, That temporary appointments as chief warrant officers may be made by the President with the consent of the Senate: Provided further, That the temporary appointment for the war of seventy-six additional marine gunners, and seventy-six additional quartermaster clerks, is authorized: Provided further, That lieutenants (junior grade) and ensigns may be considered eligible for temporary promotions to the grades of lieutenant and lieutenant (junior grade), respectively, without regard to length of service in grade: That hereafter the Chief of Naval Operations shall receive the allowances which are now or may hereafter be prescribed by or in pursuance of law for the grade of general in the Army, and the officers of the Navy holding the rank and title of Admiral and Vice Admiral in the Navy while holding such rank and title shall receive the allowances of a General and Lieutenant General of the Army, respectively. And hereafter chiefs of bureaus of the Navy Department, including the Judge Advocate General of the Navy, shall, while so serving, have corresponding rank and shall receive the same pay and allowances as are now or may hereafter be prescribed by or in pursuance of law for chiefs of bureaus of the War Department and the Judge Advocate General of the Army.

Provisos.
Chief warrant officers.

Seniority, etc.

Maximum age limits.

Naval Academy graduates and warrant officers.

Graduates of March 29, 1917.

Temporary warrant officers.

Temporary chief warrant officers.

Marine gunners and quartermaster clerks.

Eligibility of lieutenants (junior grade) and ensigns.

Allowances. Chief of Naval Operations, Admiral and Vice Admiral.

Chiefs of Navy Department bureaus to correspond in rank, etc., with War Department.

No reduction of present pay and allowances.

That nothing contained in the preceding amendments of the Act of May twenty-second, nineteen hundred and seventeen, shall be construed to reduce the pay or allowances now authorized by law for any commissioned, warrant, or appointed officer or any enlisted man of the active or retired lists of the Navy.

Loss of pay on account of personal misconduct.

That the paragraph in the naval appropriation Act of August twenty-ninth, nineteen hundred and sixteen (Thirty-ninth Statutes at Large, five hundred and eighty), relative to the loss of pay by officers and enlisted men of the Navy and Marine Corps who are absent from duty on account of sickness or disease resulting from their own misconduct, and the making good, by enlisted men, of time so lost, be, and the same is hereby, amended by inserting after the words "on account of," in the second line, the word "injury," followed by a comma, and by inserting after the words "on account of," in the ninth line, the word "injury," followed by a comma.

"Injury" added.

Retired officers.

That hereafter, during the existence of war or of a national emergency declared by the President to exist, any commissioned or warrant officer of the Navy, Marine Corps, or Coast Guard of the United States on the retired list may, in the discretion of the Secretary of the Navy, be ordered to active duty at sea or on shore; and any retired officer performing such active duty in time of war or national emergency, declared as aforesaid, shall be entitled to promotion on the retired list to the grade or rank, not above that of lieutenant commander in the Navy or major in the Marine Corps or captain in the Coast Guard, and shall thereafter receive the pay and allowances thereof, which his total active service as an officer both prior and subsequent to retirement, in the manner rendered by him, would have enabled him to attain in due course of promotion had such service been rendered continuously on the active list during the period of time last past.

May be ordered to active duty during war. Promotions allowed.

Temporary advances while on active duty.

That during the existence of war or of a national emergency, declared as aforesaid, any commissioned or warrant officer of the Navy, Marine Corps or Coast Guard of the United States on the retired list, while on active duty, may be temporarily advanced to and commissioned in such higher grade or rank on the retired list, not above that of lieutenant commander in the Navy or major in the Marine Corps or captain in the Coast Guard, as the President may determine, and any officer so advanced shall, while on active duty, be entitled to the same pay and allowances as officers of like grade or rank on the active list: Provided, That any such commissioned or warrant officer who has been so temporarily advanced in grade or rank shall, upon his relief from active duty, or in any case not later than six months after the termination of the war or of the national emergency, declared as aforesaid, revert to the grade or rank on the retired list and to the pay and allowance status which he would have held had he not been so temporarily advanced: Provided further, That nothing in this Act shall operate to reduce the pay and allowances now allowed by law to retired officers.

Proviso. Reversion to former status when active duty ceases, etc.

No pay, etc., reduced.

That the naval appropriation Act of August twenty-ninth, nineteen hundred and sixteen (Thirty-ninth Statutes at Large, page five hundred and seventy-nine), be, and the same is hereby, amended by the insertion of a new proviso immediately after the clause that "On and after June thirtieth, nineteen hundred and twenty, no captain, commander, or lieutenant commander shall be promoted unless he has had not less than two years' actual sea service on sea-going ships in the grade in which serving, or who is more than fifty-six, fifty, or forty-five years of age, respectively," the proviso reading as follows: "Provided, That in exceptional cases where officers are specifically designated during war or national emergency declared by the President by the Secretary of the Navy as performing, or as having performed, such highly important duties on shore that their services can not be or could not have been spared from such assignment without serious prejudice to the successful prosecution of the war, the qualification of sea service in the cases of those officers so specifically designated shall not apply while the United States is at war, or during a national emergency declared by the President, or within two and one-half years subsequent to the ending of such war or national emergency."

Promotions.
Sea service re-
quirements.

Exceptions in
cases specifically
designated by the
President, during
war, etc.

The provisions of existing laws with reference to promotion by selection in the line of the Navy are hereby extended to include and authorize advancement to the ranks of commander, captain, and rear admiral in the Staff Corps of the Navy under the same conditions in all respects except as may be necessary to adapt the said provisions to such Staff Corps: Provided, That boards of selection shall in each case be composed, when practicable, of not less than five members of the corps concerned and promotions shall be made on the basis of fitness alone by selection from among the officers of the rank next below: Provided further, That the requirements for sea service in grade, length of service in grade and maximum age in grade for promotion shall not apply.

Promotions by
selection extend-
ed to Staff Corps.

Proviso.
Composition of
boards.

Sea service not
required.

That hereafter the allowances of officers, enlisted men, and student flyers of the naval service shall in no case be increased by reason of the performance of aviation duty.

No increased al-
lowances for avia-
tion duty.

That the provisions of the Act of May twenty-seventh, nineteen hundred and eight (Thirty-fifth Statutes, pages four hundred and seventeen and four hundred and eighteen), as amended by the Act of August twenty-fourth, nineteen hundred and twelve (Thirty-seventh Statutes, page five hundred and sixty), and as amended by the Act of March fourth, nineteen hundred and seventeen (Thirty-ninth Statutes, page eleven hundred and eighty-eight), are hereby extended to authorize the designation of enlisted men of the Navy or Marine Corps as Navy mail clerks and assistant Navy mail clerks for duty at stations and shore establishments under the jurisdiction of the Navy Department where the services of such mail clerks and assistant mail clerks are necessary.

Naval mail
clerks.
Shore stations
designations.

Commutation of quarters.
Determination by Secretary of the Navy to govern.

That hereafter the Secretary of the Navy may determine where and when there are no public quarters available for persons in the Navy and Marine Corps, or serving therewith, within the meaning of any Acts or parts of Acts relating to the assignment of quarters or commutation therefor.

Cash rewards for suggested improvements by civilians, etc.

That the Secretary of the Navy is hereby authorized, in his discretion and under such rules and regulations as he may prescribe, to pay cash rewards to civilian employees of the Navy Department or the Naval Establishment or other persons in civil life when due to a suggestion or series of suggestions by them there results an improvement or economy in manufacturing process or plant or naval material: Provided, That such sums as may be awarded to employees or other persons in civil life in accordance with this Act shall be paid them out of current naval appropriations in addition to their usual compensation: Provided further, That no employee or other person in civil life shall be paid a reward under this Act until he has properly executed an agreement to the effect that the use by the United States of the suggestion or series of suggestions made by him shall not form the basis of a further claim of any nature from the United States by him, his heirs, or assigns.

Proviso.
Payment from current appropriations.
Agreement required.

Alvin Hovey-King.
Reopening of disallowed accounts.

That the Comptroller of the Treasury be, and he is hereby, authorized to consider appeals from settlements of the Auditor for the Navy Department under date of April twenty-fifth, nineteen hundred and sixteen, in which settlements certain disallowances were made in the accounts of Paymaster Alvin Hovey-King, United States Navy, and in which cases the time within which appeal may lawfully be made to the comptroller has expired.

Retired enlisted men.

That any enlisted man of the Navy or Marine Corps upon the retired list who has been ordered into active service since April sixth, nineteen hundred and seventeen, or who may hereafter be ordered into active service, shall be eligible for promotion and he shall be entitled to the pay and benefits of continuous service of such rank and for such length of time as he is or has been employed in active service, and when relieved of active service shall retain upon the retired list the rank and service held by him at the time of such relief, with the pay and allowances of such rank on the retired list; and the accounting officers of the Treasury are hereby directed to allow in the accounts of any enlisted man of the Navy or Marine Corps who resigned from the retired list in order to reenlist for appointment in a higher grade, the same continuous service pay and the benefits of such rank to which he may have been appointed upon reenlistment, as if his service had been continuous, and any difference in pay from the date of reenlistment shall be credited to his account.

Promotion of in active service.

Service credits allowed.

Pay, etc., to be allowed by accounting officers.

Saint Joseph, Mich.
Lighthouse depot transferred to Navy.

The Lighthouse Depot at Saint Joseph, Michigan, described as follows, is hereby transferred to and placed under the control and jurisdiction of the Navy Department for use for naval purposes, namely:

Description.

Beginning at a four-by-four pine post, marked "U. S. L. H. E.," at the northwest angle of the United States

Life Saving Station situated in section twenty-three, township four south, range nineteen west, in the county of Berrien and State of Michigan; thence south fifty-four degrees and thirty minutes east one hundred and ninety-three feet to a four-by-four pine post, marked "U. S. L. H. E.," at shore line; thence north seventy-four degrees and eleven minutes east three hundred feet to a four-by-four pine post, marked "U. S. L. H. E.," following the line of the shore; thence north fifteen degrees and forty-nine minutes west one hundred and fifty feet to a four-by-four pine post, marked "U. S. L. H. E.,"; thence north eighty-seven degrees and eleven minutes west three hundred and thirteen feet to a four-by-four pine post, marked "U. S. L. H. E.,"; thence south thirty-five degrees and thirty minutes west one hundred and fifty-nine feet to the place of beginning, containing approximately one and seven hundred and twenty-four one-thousandths acres, more or less, together with all buildings and improvements thereon; which property is shown on drawing number seventeen thousand three hundred and twenty-one, bearing the legend, "Office of the Lighthouse Inspector, Twelfth District, Milwaukee, Wisconsin. Lighthouse Depot, Saint Joseph, Michigan. General Plan of Depot. Scale as noted. Approved July thirty-first, nineteen hundred and seventeen. N. M. Works, Superintendent. Lewis M. Stoddard, Inspector," on file in the Navy Department.

(a) That the word "person" as used in paragraph (b), (c), next hereafter shall include any individual, trustee, firm, association, company, or corporation. The word "ship" shall include any boat, vessel, submarine, or any form of aircraft, and the parts thereof. The words "war material" shall include arms, armament, ammunition, stores, supplies, and equipment for ships and airplanes, and everything required for or in connection with the production thereof. The word "factory" shall include any factory, workshop, engine works, building used for manufacture, assembling, construction, or any process, and any shipyard or dockyard. The words "United States" shall include the Canal Zone and all territory and waters, continental and insular, subject to the jurisdiction of the United States.

Emergency
ship construction.
Meaning of
terms used.

(b) The President is hereby authorized and empowered, within the limits of the amounts appropriated therefor:

Authority vested
in the President.

First. To place an order with any person for such ships or war material as the necessities of the Government, to be determined by the President, may require and which are of the nature, kind, and quantity usually produced or capable of being produced by such person. Compliance with all such orders shall be obligatory on any person to whom such order is given, and such order shall take precedence over all other orders and contracts theretofore placed with such person. If any person owning, leasing, or operating any factory equipped for the building or production of ships or war

To order ships
or war material
from any person.

Compliance ob-
ligatory.

material for the Navy shall refuse or fail to give to the United States such preference in the execution of such an order, or shall refuse to build, supply, furnish, or manufacture the kind, quantity, or quality of ships of war materials so ordered at such reasonable price as shall be determined by the President, the President may take immediate possession of any factory of such person, or of any part thereof without taking possession of the entire factory, and may use the same at such times and in such manner as he may consider necessary or expedient.

Possession of factory if order refused, etc.

To modify existing contracts.

Possession of factory on refusal, etc.

To require whole output of factory, etc.

To take over factory for Government use.

Authority to cease at end of the war.

Compensation for modified contracts, etc.

Part payment if unsatisfactory and suit allowed for remainder.

Procedure.

Cape May air station.

Second. Within the limit of the amounts appropriated therefor, to modify or cancel any existing contract for the building, production, or purchase of ships or war material; and if any contractor shall refuse or fail to comply with the contract as so modified, the President may take immediate possession of any factory of such contractor, or any part thereof without taking possession of the entire factory, and may use the same at such times and in such manner as he may consider necessary or expedient.

Third. To require the owner or occupier of any factory in which ships or war material are built or produced to place at the disposal of the United States the whole or any part of the output of such factory, and within the limit of the amounts appropriated therefor, to deliver such output or parts thereof in such quantities and at such times as may be specified in the order at such reasonable price as shall be determined by the President.

Fourth. To requisition and take over for use or operation by the Government any factory, or any part thereof, without taking possession of the entire factory, whether the United States has or has not any contract with the owner or occupier of such factory.

That all authority granted to the President herein or by him delegated shall cease six months after a final treaty of peace shall be proclaimed between this Government and the German Empire.

(d) That whenever the United States shall cancel or modify any contract, make use of, assume, occupy, requisition, or take over any factory or part thereof, or any ships or war material, in accordance with the provisions of paragraph (b), it shall make just compensation therefor, to be determined by the President, and if the amount thereof so determined by the President is unsatisfactory to the person entitled to receive the same, such person shall be paid seventy-five per centum of the amount so determined by the President and shall be entitled to sue the United States to recover such further sum as added to said seventy-five per centum shall make up such amount as will be just compensation therefor, in the manner provided for by section twenty-four, paragraph twenty, and section one hundred and forty-five of the Judicial Code.

That the Act approved October sixth, nineteen hundred and seventeen, to provide for the acquisition of an air station site for the United States Navy at Cape May, New Jersey,

be and the same is hereby, amended by adding the following at the end thereof:

“And provided further, That in the event the Secretary of the Navy is unable satisfactorily to consummate the negotiations for the purchase thereof under the provisions of said Act approved October sixth, nineteen hundred and seventeen, the President is hereby authorized and empowered to take over for and in behalf of the United States the immediate possession of and title to such land, including all easements, rights of way, riparian and other rights appurtenant or appertaining thereto deemed by him to be necessary for the purposes aforesaid, and to make compensation therefor under the terms and provisions of the legislation contained in this Act; and the appropriation of \$150,000 appropriated in said Act, approved October sixth, nineteen hundred and seventeen, or so much thereof as may be necessary, is hereby made available for the payment of compensation for said property so taken over by the President.”

Immediate possession authorized if no satisfactory agreement made.

Appropriation available.

BUREAU OF ORDNANCE.

Bureau of Ordnance.

Ordnance and ordnance stores.

ORDNANCE AND ORDNANCE STORES: For procuring, producing, preserving, and handling ordnance material; for the armament of ships; for fuel, material, and labor to be used in the general work of the Ordnance Department; for furniture at naval ammunition depots, torpedo stations, and proving grounds; for necessary improvements at and maintenance of proving grounds, powder factory, torpedo stations, gun factory, ammunition depots, and armor and projectile plant, and for target practice; for the maintenance, repair, or operation of horse-drawn and motor-propelled passenger-carrying vehicles, to be used only for official purposes at naval ammunition depots, naval proving grounds, and naval torpedo stations, and for pay of chemists, clerical, drafting, inspection, and messenger service in navy yards, naval stations, and naval ammunition depots: *Provided*, That the sum to be paid out of this appropriation under the direction of the Secretary of the Navy for chemists, clerical, drafting, inspection, watchmen, and messenger service in navy yards, naval stations, and naval ammunition depots for the fiscal year ending June thirtieth, nineteen hundred and nineteen, shall not exceed \$2,950,000; in all, \$30,522,279: *Provided further*, That ordnance materials procured under the various Ordnance appropriations shall hereafter be available for issue, to meet the general needs of the naval service, under the appropriation from which procured.

Passenger vehicles.

Provisions, Chemical, etc. services.

Uses of materials to meet general needs.

Purchase and manufacture of smokeless powder, \$2,400,000.

Smokeless powder.

NEW BATTERIES FOR SHIPS OF THE NAVY: For batteries and outfits for naval vessels, auxiliaries, patrols, aircraft, naval stations, and merchantmen, \$85,014,110.50: *Provided*, That the Secretary of the Navy is authorized to enter into

New batteries for ships.

Provisions. Additional contracts authorized.

- contracts or otherwise to incur obligations for the purposes above mentioned not to exceed \$20,000,000 in addition to the appropriations herein and heretofore made: *Provided* further, That \$41,259,523.50 of this amount shall be available to meet obligations authorized under this heading in the Act of October sixth, nineteen hundred and seventeen, and the Act of March twenty-eighth, nineteen hundred and eighteen.
- Existing obligations.** **AMMUNITION FOR VESSELS:** For procuring, producing, preserving, and handling ammunition for vessels, \$73,289,530: *Provided*, That the Secretary of the Navy is authorized to enter into contracts or otherwise to incur obligations for the purposes above mentioned not to exceed \$11,000,000 in addition to the appropriations herein and heretofore made: *Provided* further, That \$23,210,120 of this amount shall be available to meet obligations authorized under this heading in the Act of October sixth, nineteen hundred and seventeen, and the Act of March twenty-eighth, nineteen hundred and eighteen.
- Ammunition for vessels.** **TORPEDOES AND APPLIANCES:** For the purchase and manufacture of torpedoes and appliances, to be available until June thirtieth, nineteen hundred and twenty-one, \$10,000,000.
- Proviso. Additional contracts authorized.** **RESERVE ORDNANCE SUPPLIES:** For reserve and miscellaneous ordnance supplies, \$63,000,000: *Provided*, That \$30,500,000 of this amount shall be available to meet obligations authorized under this heading in the Act of October sixth, nineteen hundred and seventeen, and the Act of March twenty-eighth, nineteen hundred and seventeen.
- Existing obligations.** **TORPEDO STATION, NEWPORT, RHODE ISLAND:** For labor and material; general care of and repairs to grounds, buildings, and wharves; boats, instruction, instruments, tools, experiments, and general torpedo outfits, \$200,000.
- Torpedoes and appliances.** For new and improved machinery and tools for torpedo factory, \$200,000.
- Reserve supplies. Proviso. Existing obligations.** **EXPERIMENTS, BUREAU OF ORDNANCE:** For experimental work in the development of armor-piercing and torpedo shell and other projectiles, fuses, powders, and high explosives, in connection with problems of the attack of armor with direct and inclined fire at various ranges, including the purchase of armor, powder, projectiles, and fuses for the above purposes and of all necessary material and labor in connection therewith; and for other experimental work under the cognizance of the Bureau of Ordnance in connection with the development of ordnance material for the Navy, \$385,000.
- Torpedo station, Newport, R. I.** **CONTINGENT, BUREAU OF ORDNANCE:** For miscellaneous items, namely, cartage, expenses of light and water at ammunition depots and stations, tolls, ferrriage, technical books, and incidental expenses attending inspection of ordnance material, \$50,000.
- Machinery, etc.** **NAVY MINE DEPOT:** For the erection and equipment of a depot for the storage of high explosives and the loading of mines, on a site to be selected and acquired by the President, \$3,000,000.
- Experimental work.**
- Contingent.**
- Navy mine depot. Erecting and equipping.**

NAVY NITRATE PLANT: *For the erection, equipment, and operation of a plant for the fixation of atmospheric nitrogen, production of synthetic ammonia, its oxidation to nitric acid, and the manufacture of ammonium nitrate, for each and every expense connected therewith, including the employment of all necessary expert, drafting, and clerical assistance, \$9,150,000, to be available until expended.*

Navy nitrate plant.
Erecting, equipping, and operating.

BUREAU OF YARDS AND DOCKS.

Bureau of Yards and Docks.

Maintenance.

MAINTENANCE, BUREAU OF YARDS AND DOCKS: For general maintenance of yards and docks, namely, for books, maps, models, and drawings; purchase and repair of fire engines; fire apparatus and plants; machinery, operation or repair, purchase; maintenance of horses and driving teams; carts, timber wheels, and all vehicles, including motor-propelled and horse-drawn passenger-carrying vehicles to be used only for official purposes, and including motor-propelled vehicles for freight-carrying purposes only for use in the navy yards; tools and repair of the same; stationery; furniture for Government houses and offices in navy yards and naval stations; coal and other fuel; candles, oil, and gas; attendance on light and power plants; cleaning and clearing up yards and care of buildings; attendance on fires, lights, fire engines, and fire apparatus and plants; incidental labor at navy yards; water tax, tolls, and ferriage; pay of watchmen in navy yards; awnings and packing boxes; and for pay for employees on leave, \$10,500,000: *Provided*, That the sum to be paid out of this appropriation under the direction of the Secretary of the Navy for clerical, inspection, drafting, messenger, and other classified work in the navy yards and naval stations for the fiscal year ending June thirtieth, nineteen hundred and nineteen, shall not exceed \$2,000,000: *Provided further*, That no part of any appropriation contained in this Act shall be used for the purchase of more than one hundred and fifteen passenger-carrying automobiles for official use within the United States and its insular possessions: *And provided further*, That no part of any appropriation contained in this Act shall be used for the purchase of more than one hundred such passenger-carrying automobiles at a greater cost than \$500 each and fifteen at a greater cost than \$2,000 each: *And provided further*, That the Secretary of the Navy is authorized to distribute the high-powered automobiles now owned and in use in the United States and its insular possessions to such places and service as they may be required.

Provisions.
Clerical, etc., services.

Purchase of passenger automobiles limited.

Price restriction.

Distribution of high-powered cars.

Contingent.

CONTINGENT, BUREAU OF YARDS AND DOCKS: For contingent expenses and minor extensions and improvements of public works at navy yards and stations, \$250,000.

EMERGENCY EXPENSES, BUREAU OF YARDS AND DOCKS; *For emergency expenses and extensions of public works at navy yards and naval stations, \$4,750,000.*

Emergency expenses, etc.

Public works.

PUBLIC WORKS, BUREAU OF YARDS AND DOCKS.

Additional temporary hospitals.

HOSPITAL CONSTRUCTION: For additional temporary hospital construction and repairs as may be necessary at the points named herein and to provide same with suitable hospital facilities, Chelsea, Massachusetts, \$350,000; Newport, Rhode Island, \$500,000; New London, Connecticut, \$150,000; Brooklyn, New York, \$1,400,000; Wards Island, New York, \$1,250,000; Pelham, New York, \$900,000; Philadelphia, Pennsylvania, \$355,000; League Island, Pennsylvania, \$800,000; Norfolk, Virginia, \$1,250,000; Hampton Roads, Virginia, \$500,000; Charleston, South Carolina, \$350,000; Parris Island, South Carolina, \$175,000; Great Lakes, Illinois, \$65,000; Pearl Harbor, Hawaii, \$150,000; over seas, \$1,000,000; contingent, \$600,000; in all, \$10,295,000.

Temporary storage.

TEMPORARY STORAGE: For temporary storage, \$1,000,000.

Portsmouth, N. H.

NAVY YARD, PORTSMOUTH, NEW HAMPSHIRE: Addition to machine shop, \$200,000; addition to foundry, \$130,000; power-plant improvements, \$150,000; in all, \$480,000.

New London, Conn., submarine base.

SUBMARINE BASE, NEW LONDON, CONNECTICUT: For the further development of the submarine base at New London, Connecticut, including the erection and equipment of repair shops, the provision of additional berthing space, and the erection of quarters and barracks for officers and men, \$750,000.

Boston, Mass.

NAVY YARD, BOSTON, MASSACHUSETTS: Improvement of central power plant, \$425,000; water front improvements, \$400,000; machine shop and foundry, \$900,000; in all, \$1,725,000.

New York, N. Y.

NAVY YARD, NEW YORK, NEW YORK: Water front improvements, \$750,000; central power-plant improvements, \$500,000; in all, \$1,250,000.

Philadelphia, Pa.
Dry docks, etc.

NAVY YARD, PHILADELPHIA, PENNSYLVANIA: Dry dock, to complete, \$2,000,000; central power-plant improvements, \$300,000; tracks, streets and sewers, \$100,000; in all, \$2,400,000.

Marine Corps supplies depot.

DEPOT OF SUPPLIES, PHILADELPHIA, PENNSYLVANIA: For the erection of a lumber shed and necessary railroad sidings on land now owned by the Government and occupied as a portion of the Depot of Supplies, \$35,000.

Additional lands, etc.
Use of unexpended balance.

The unexpended balance of \$40,434.23 of appropriation of \$200,000 in the Act approved June fifteenth, nineteen hundred and seventeen, making appropriations to supply deficiencies, for the purchase of additional land, Depot of Supplies, Marine Corps, Philadelphia, Pennsylvania, is hereby made available for the purchase of all necessary land lying between Alter Street, Ellsworth Street, and Fifteenth Street, in the city of Philadelphia, including all buildings thereon and for adapting said buildings for uses connected with said depot.

NAVY YARD, WASHINGTON, DISTRICT OF COLUMBIA: ^{Washington, D. C.} Fuse and primer loading house, *Bellevue magazine*, \$25,000; ^{Naval magazine.} boundary fence, *Bellevue magazine*, \$20,600; cranes for buildings, \$375,000; central power plant and distributing systems, extensions, \$85,000; seven ordnance storehouses, *Bellevue magazine*, \$440,000; for the acquisition of additional land on the east side of the *Naval Gun Factory* ^{Additional land for gun factory.} lying south of M Street and west of Eleventh Street and for the removal of buildings thereon and the grading of the ground and construction of walls enclosing said land and equipping same for use, \$488,000: ^{Proviso.} Provided, That upon the acquisition of the land hereby authorized, all portions of ^{Closing of streets, etc.} public streets on which any squares so taken over shall abut and lying between the same, and all public alleys within said squares together with such portions of streets and public alleys as lie between the present navy yard and the land so acquired, are hereby abandoned and closed and said portions of said streets and public alleys shall be regarded as set apart and reserved for naval purposes; in all, \$1,433,600.

That portion of Eleventh Street southeast lying south of the south line of O Street southeast and west of the west face of the new Anacostia bridge is hereby abandoned and closed, and said portion of said street, together with such land owned by the United States as is bounded on the north by the south line of O Street; on the east by the west face of the new Anacostia bridge; on the south by the waters of the Anacostia River; and on the west by the west line of Eleventh Street, extending in a southerly direction from its point of intersection with the south line of O Street and prolonged to its intersection with the waters of the Anacostia River, is hereby set apart and reserved for naval purposes and placed under the control and jurisdiction of the Secretary of the Navy: ^{Other lands reserved for naval purposes.} Provided, That at all times the proper authorities of the District of Columbia shall be permitted to have access to the area above described for the purpose of making examinations of, and repairs to, the said bridge: ^{Proviso.} And provided further, ^{Access to Anacostia Bridge.} That all leases heretofore granted by the Commissioners of the District of Columbia to parties occupying said above described area are hereby, in accordance with the terms of such leases, terminated. ^{Present leases terminated.}

MARINE BARRACKS, QUANTICO, VIRGINIA: ^{Quantico, Va.} The President is authorized to acquire under the authority and provisions of this Act all of the land specified in the report of the board ^{Lands to be acquired for Marine Corps post.} appointed by the Major General Commandant, Marine Corps, dated January twenty-fifth, nineteen hundred and eighteen, at Quantico, Virginia, as a permanent Marine Corps post, and the sum of \$475,000, or so much thereof as may be necessary, is hereby appropriated for this purpose.

NAVY YARD, NORFOLK, VIRGINIA: Dry dock, to complete, \$2,000,000; water-front improvements, \$500,000; improvements central power plant and distributing system, \$300,000; tracks, streets, and sewers, \$150,000; galvanizing shop, \$100,000; toward steel and lumber storage (limit of cost, \$850,000), \$400,000; in all, \$3,450,000. ^{Norfolk, Va. Dry dock, etc.}

- Naval Academy.** **BUILDINGS AND GROUNDS, NAVAL ACADEMY:** Extension of Bancroft Hall, to complete, \$1,850,000; and the limit of cost is increased to \$2,850,000; improvements central power plant and distributing systems, \$325,000; general store building, \$100,000; building for seamanship and navigation, and other instruction purposes, \$1,000,000: *Provided, That the Secretary of the Navy is authorized to enter into contracts or otherwise to incur obligations for this purpose not to exceed \$1,500,000 in addition to the appropriation herein made; garage, \$30,000; in all, \$3,305,000.*
- Port Royal, S. C.** **MARINE RECRUITING STATION, PORT ROYAL, SOUTH CAROLINA:** For twelve additional barracks buildings, four lavatories, and six mess halls, \$60,000; dredging and reclaiming marsh land, \$35,000; sea wall, \$25,000; lining dry dock with concrete, \$25,000; street paving, \$7,000; cement sidewalks, \$7,000; trees and shrubbery, \$1,000; medical officers' quarters, \$10,000; in all, \$170,000. *The President is authorized to acquire under the authority and provisions of this Act all of the remaining portions of Parris Island for the enlargement of the Marine Recruiting Station, Port Royal, South Carolina; and the sum of \$150,000, or so much thereof as may be necessary, is hereby appropriated for this purpose.*
- Charleston, S. C.** **NAVY YARD, CHARLESTON, SOUTH CAROLINA:** For the construction of a large dry dock (limit of cost, \$4,000,000), \$1,150,000; dredging, to continue, \$25,000; railroad system extension, \$15,000; toward water-front improvements, \$200,000; boat storage, \$10,000; central power plant improvements, \$250,000; in all, \$1,650,000.
- Key West, Fla.** **NAVAL STATION, KEY WEST, FLORIDA:** Station improvements, \$25,000; for the development of a submarine base, \$1,000,000: *Provided, That the Secretary of the Navy is authorized to enter into contracts or otherwise to incur obligations for this purpose not to exceed \$1,500,000 in addition to the appropriations herein made; in all, \$1,025,000.*
- Pensacola, Fla.** **NAVAL AERONAUTIC STATION, PENSACOLA, FLORIDA:** Improvements central power plant and distributing systems, \$100,000.
- New Orleans, La.** **NAVAL STATION, NEW ORLEANS, LOUISIANA:** Floating crane, \$30,000; improvements, central power plant and distributing systems, \$280,000; water-front improvements, \$100,000; shell house, \$40,000; in all, \$450,000.
- Mare Island, Cal.** **NAVY YARD, MARE ISLAND, CALIFORNIA:** Maintenance of dikes and dredging, \$100,000; improvements central plant and distributing system, \$250,000; structural shop and auxiliary improvements, \$1,000,000; in all, \$1,350,000. *The buildings and improvements in connection with and appurtenant to the Mare Island Light Station, California, are hereby transferred from the control and jurisdiction of the Department of Commerce to the control and jurisdiction of the Navy Department for naval purposes.*
- Light station transferred to Navy.**
- Additional buildings.**
- Additional contracts authorized.**
- Marine recruiting station.**
- Entire island to enlarge station.**
- Dry dock, etc.**
- Submarine base, etc.**
- Additional contracts authorized.**
- Aeronautic station.**

NAVY YARD, PUGET SOUND, WASHINGTON: Improvements, central power plant and distributing systems, \$325,000; purchase of additional land adjoining the navy yard, \$300,000; for grading, filling, and sea-wall construction (limit of cost to be \$750,000), \$400,000; in all, \$1,025,000. Puget Sound Wash.

NAVAL STATION, PEARL HARBOR, HAWAII: Auxiliary water supply, \$41,275. Pearl Harbor, Hawaii.

NAVAL STATION, TUTUILA, SAMOA: Construction of quarters, \$9,000; additional water-supply system, including not to exceed \$500 for the purchase of land, \$15,000; storehouse, \$15,000; sea wall, \$5,000; miscellaneous, \$6,000; in all, \$50,000. Tutulla, Samoa.

NAVAL STATION, GUAM: Repair and extension of roads, \$30,000; cold storage, \$40,000; boathouse, \$20,000; miscellaneous and extensions, \$10,000; in all, \$100,000. Guam.

NAVAL STATION, GUANTANAMO, CUBA: Concrete pier, \$140,000; telephone and transmission system, \$25,000; road construction, \$15,000; storage facilities, \$20,000; in all, \$200,000. Guantanamo, Cuba.

NAVAL MAGAZINE, NEW ENGLAND COAST: Dredging, \$30,000. Naval magazine, New England coast.

NAVAL PROVING GROUND, INDIANHEAD, MARYLAND: Improvements to powder factory, \$140,000; pyro storage, \$20,000; in all, \$160,000. Indianhead, Md. Powder factory.

For the building of or providing for the construction of a railroad to connect the Naval Proving Ground and the Naval Smokeless Powder Factory at Indianhead, Maryland, with existing or contemplated railway lines, under terms and conditions satisfactory to the Secretary of the Navy, authority being granted for the immediate condemnation or acquisition of the necessary right of way, \$850,000. Connecting rail road.

NAVAL MAGAZINE, FORT MIFFLIN, PENNSYLVANIA: The President is authorized to acquire under the authority and provisions of this Act additional land for increasing ordnance facilities in the vicinity of the naval magazine, Fort Mifflin, Pennsylvania; and for this purpose \$360,000 is hereby appropriated or so much thereof as may be necessary. Right of way. Fort Mifflin, Pa. Additional land.

NAVAL MAGAZINE, NEW YORK HARBOR: Quarters for marine officer and medical officer, \$18,000. New York Harbor.

NAVAL MAGAZINE, FORT LAFAYETTE, NEW YORK: Dredging channel, \$26,000. Fort Lafayette, N. Y.

NAVAL MAGAZINE, LAKE DENMARK, NEW JERSEY: The President is authorized to acquire under the authority and provisions of this Act additional land for increasing ordnance facilities in the vicinity of the naval magazine, Lake Denmark, New Jersey; and for this purpose \$18,000 is hereby appropriated or so much thereof as may be necessary. Lake Denmark, N. J. Additional land.

TORPEDO STATION, NEWPORT, RHODE ISLAND, BUILDINGS: Boathouse and diving school, \$100,000; emergency torpedo repair shop, \$100,000; extension of industrial roads, \$20,000; extension of sea wall, \$5,000; rebuilding carpenter shop, \$25,000; improvements central power plant systems, including quay wall and fill at power house, \$800,000; in all, \$1,050,000. Newport, R. I. Torpedo station.

- Additional land.** *The President is authorized to acquire under the authority and provisions of this Act additional land for increasing ordnance facilities in the vicinity of the naval torpedo station, Newport, Rhode Island; and for this purpose \$100,000 is hereby appropriated or so much thereof as may be necessary.*
- Torpedo storage.** **TORPEDO STORAGE:** *For additional storage for torpedoes at ordnance stations, \$250,000.*
- Fuel depots.** **DEPOTS FOR COAL:** *For depots for coal and other fuel, Guantanamo, Cuba, \$90,000; Pearl Harbor, Hawaii, \$40,000; Puget Sound, Washington, \$60,000; San Diego, California, \$70,000; Mare Island, California, \$270,000; Melville, Rhode Island, \$160,000; contingent, \$50,000; care and custody of naval petroleum reserves, \$10,000; in all, \$750,000.*
- California training station.** **NAVAL TRAINING STATION, CALIFORNIA, BUILDINGS:** *Water supply, \$65,000; roads and streets, \$10,000; in all, \$75,000.*
- Peking, China. Marine barracks.** **MARINE BARRACKS, PEKING, CHINA:** *Power plant, \$25,000; barrack buildings, to complete, \$85,000; in all, \$110,000.*
- Rhode Island training station.** **NAVAL TRAINING STATION, RHODE ISLAND, BUILDINGS:** *Sea-wall improvements, \$225,000; remodeling boathouse, \$20,000; officers' quarters, \$15,000; fire apparatus house and garage, \$30,000; in all, \$290,000.*
- Additional land.** *The President is authorized to acquire under the authority and provisions of this Act additional land for the enlargement of the Naval Training Station, Narragansett Bay-Newport, Rhode Island, and for this purpose \$100,000 is hereby appropriated or so much thereof as may be necessary.*
- Great Lakes training station.** **NAVAL TRAINING STATION, ILLINOIS, BUILDINGS:** *Dredging harbor, \$35,000.*
- Additional land.** *The President is authorized to acquire under the authority and provisions of this Act additional land for the enlargement of the Naval Training Station, Great Lakes, Illinois, and for this purpose \$887,500 is hereby appropriated or so much thereof as may be necessary.*
- San Diego, Cal. Marine Corps base.** **MARINE BARRACKS, SAN DIEGO, CALIFORNIA:** *Toward the establishment of a Marine Corps base, \$1,500,000.*
- Fuel depot.** **NAVAL FUEL DEPOT, SAN DIEGO, CALIFORNIA:** *Marine railway, \$175,000.*
- Hampton Roads, Va. Naval base.** **NAVAL OPERATING BASE, HAMPTON ROADS, VIRGINIA:** *Toward water-front improvements and permanent improvements to station, including piers, bulkheads, filling, grading, and so forth, \$3,000,000.*
- Repairs and preservation.** **REPAIRS AND PRESERVATION AT NAVY YARDS:** *For repairs and preservation at navy yards, fuel depots, fuel plants, and stations, \$4,000,000.*
- Amounts available until expended.** *Total public works, \$46,694,375, and the amounts herein appropriated therefor, except for repairs and preservation at navy yards and stations, shall be available until expended.*
- Commission on navy yards, etc.** *The unexpended balance of \$4,300 of the appropriation of \$10,000 for expenses of a commission of naval officers to investigate the question of navy yards and naval stations*

contained in the Act making appropriations for the Naval Service, approved August twenty-ninth, nineteen hundred and sixteen, is further continued and made available until expended.

Balance for expenses continued.

The Paymaster General of the Navy shall cause to be paid to Mrs. Susie A. Van Kirk, mother of the late Dean R. Van Kirk, ensign, National Naval Volunteers, an amount equal to one year's pay at the rate received by that officer at the date of his death, May first, nineteen hundred and seventeen.

Susie A. Van Kirk.
Payment to, for death of son.

BUREAU OF MEDICINE AND SURGERY.

Bureau of Medicine and Surgery.
Surgeons' necessaries, civil establishments.

MEDICAL DEPARTMENT: For surgeons' necessaries for vessels in commission, navy yards, naval stations, Marine Corps, and for the civil establishment at the several naval hospitals, navy yards, naval medical supply depots, Naval Medical School, Washington, and Naval Academy, including one bookkeeper at \$1,600 and one clerk at \$1,400 at the naval medical supply depot, Brooklyn, and toward the accumulation of a reserve supply of medical stores, \$5,000,000.

Reserve supply.

CONTINGENT, BUREAU OF MEDICINE AND SURGERY: For tolls and ferriages; care, transportation, and burial of the dead, including officers and enlisted men who die within the United States; purchase of books and stationery, binding of medical records, unbound books, and pamphlets; hygienic and sanitary investigation and illustration; sanitary and hygienic instruction; purchase and repairs of non-passenger-carrying wagons, automobile ambulances, and harness; purchase of and feed for horses and cows; purchase, maintenance, repair, and operation of two passenger-carrying motor vehicles for naval dispensary, Washington, District of Columbia, and of one motor-propelled vehicle for official use only for the medical officer on out-patient medical service at the Naval Academy, and of a motor omnibus for the transportation of convalescent patients and attendants at the Naval Hospital at Las Animas, Colorado, to be used only for official purposes; trees, plants, care of grounds, garden tools, and seeds; incidental articles for the Naval Medical School and naval dispensary, Washington, naval medical supply depots, sick quarters at Naval Academy and marine barracks; washing for medical department at Naval Medical School and naval dispensary, Washington, naval medical supply depots, sick quarters at Naval Academy and marine barracks, dispensaries at navy yards and naval stations, and ships; and for minor repairs on buildings and grounds of the United States Naval Medical School and naval medical supply depots; rent of rooms for naval dispensary, Washington, District of Columbia, not to exceed \$1,200; for the care, maintenance, and treatment of the insane of the Navy and Marine Corps on the Pacific coast, including supernumeraries held for transfer to the Govern-

Contingent.

Vehicles, etc.

Dental outfits.	ment Hospital for the Insane; for dental outfits and dental material, and all other necessary contingent expenses; in all, \$1,500,000.
Transporting remains of officers, etc.	TRANSPORTATION OF REMAINS: To enable the Secretary of the Navy, in his discretion, to cause to be transferred to their homes the remains of officers and enlisted men of the Navy and Marine Corps, of members of the Nurse Corps, of <i>civilian officers and crews of naval auxiliaries</i> , and of officers and enlisted men of the Naval Militia and National Naval Volunteers and the Naval Reserve Force when on active service with the Navy, who die or are killed in action ashore or afloat, and also to enable the Secretary of the Navy, in his discretion, to cause to be transported to their homes the remains of civilian employees who die outside of the continental limits of the United States, \$350,000: <i>Provided</i> , That the sum herein appropriated shall be available for payment for transportation of the remains of officers and men who have died while on duty at any time since April twenty-first, eighteen hundred and ninety-eight, and shall be available until June thirtieth, nineteen hundred and twenty.
Militia, Volunteers, and Reserve Force.	
<i>Proviso.</i> Application of fund.	
Care of hospital patients.	CARE OF HOSPITAL PATIENTS: <i>For the care, maintenance, and treatment of patients in naval and in other than naval hospitals, for the rental and purchase of land, at Key West, Florida, and at the Naval Training Station, Great Lakes, \$4,000,000.</i>
Additional lands.	
Fort Lyons, Colo., naval hospital.	UNITED STATES NAVAL HOSPITAL, FORT LYONS, COLORADO: <i>For the purchase of about four hundred and twenty acres of land for the enlargement and development of the Naval Hospital, Fort Lyons, Colorado, \$19,600.</i>
Additional land.	
Bureau of Supplies and Accounts.	BUREAU OF SUPPLIES AND ACCOUNTS.
Pay of the Navy.	PAY OF THE NAVY: Pay and allowances prescribed by law of officers on sea duty and other duty, and officers on waiting orders, \$33,234,498; officers on the retired list, \$3,374,391; commutation of quarters for officers, including boatswains, gunners, carpenters, sailmakers, machinists, pharmacists, pay clerks, and mates, naval constructors, and assistant naval constructors, \$2,821,248, and also members of Nurse Corps (female), \$44,200; for hire of quarters for officers serving with troops where there are no public quarters belonging to the Government, and where there are not sufficient quarters possessed by the United States to accommodate them, or commutation of quarters not to exceed the amount which an officer would receive were he not serving with troops and hire of quarters for officers and enlisted men on sea duty at such times as they may be deprived of their quarters on board ship due to repairs or other conditions which may render them uninhabitable, \$25,000; pay of enlisted men on the retired list, \$540,255; extra pay to men reenlisting under honorable discharge, \$1,400,000; interest on deposit by men, \$15,000; of pay
Officers.	
Commutation of quarters, etc.	
Enlisted men.	

petty officers, seamen, landsmen, and apprentice seamen, including men in the engineers' force and men detailed for duty with the Fish Commission, *one hundred and eighty-one thousand four hundred and eighty-five men, plus ten thousand men for aviation service, plus fourteen thousand men in trade schools*; and pay of enlisted men of the Hospital Corps, and for the pay of enlisted men detailed for duty with the Naval Militia, \$121,630,172; pay of enlisted men undergoing sentence of court-martial, \$540,000, and as many machinists as the President may from time to time deem necessary to appoint; and *twenty-four thousand apprentice seamen under training at at training stations and on board training ships, at the pay prescribed by law, \$8,019,600*; pay of the Nurse Corps, \$670,800; rent of quarters for members of the Nurse Corps, \$55,800; retainer pay and active-service pay of members of the Naval Reserve Force, \$55,001,982; in all, \$227,372,946; and the money herein specifically appropriated for "Pay of the Navy" shall be disbursed and accounted for in accordance with existing law as "Pay of the Navy," and for that purpose shall constitute one fund: *Provided, That during the war, in such cases as may be approved by the Secretary of the Navy, this appropriation shall be available for the hire of quarters for officers attached to submarines when they are required to be on shore and Government quarters are not available.*

Apprentice seamen.

Naval Reserve Force.

Accounting.

Proviso. Shore quarters submarine officers.

Provisions.

PROVISIONS, NAVY: For provisions and commuted rations for the seamen and marines, which commuted rations may be paid to caterers of messes, in case of death or desertion, upon orders of the commanding officers, commuted rations for officers on sea duty (other than commissioned officers of the line, Medical and Pay Corps, chaplains, chief boatwains, chief gunners, chief carpenters, chief machinists, chief pay clerks, and chief sail-makers) and midshipmen, and commuted rations stopped on account of sick in hospital and credited at the rate of 50 cents per ration to the naval hospital fund; subsistence of officers and men unavoidably detained or absent from vessels to which attached under orders (during which subsistence rations to be stopped on board ship and no credit for commutation therefor to be given); subsistence of men on detached duty; *subsistence of officers and men of the Coast Guard and Lighthouse Services while cooperating with the Navy in so far as the regular appropriations for these services are insufficient therefor*; subsistence of officers and men of the naval auxiliary service; subsistence of members of the Naval Reserve Force during period of active service; and for subsistence of female nurses and Navy and Marine Corps general courts-martial prisoners undergoing imprisonment with sentences of dishonorable discharge from the service at the expiration of such confinement: *Provided, That the Secretary of the Navy is authorized to commute rations for such general courts-martial prisoners in such amounts as seem to him proper, which may vary in accordance with the location*

Proviso. Commutation of rations to prisoners.

of the naval prison, but which shall in no case exceed 30 cents per diem for each ration so commuted; and for the purchase of United States Army emergency rations as required; in all, \$75,520,216, to be available until the close of the fiscal year ending June thirtieth, nineteen hundred and twenty.

Army emergency ration. **CLOTHING AND SMALL STORES FUND:** For purchase of clothing and small stores for issue to the naval service, to be added to the "Clothing and small stores fund," \$27,000,000.

Clothing and small stores fund.

Maintenance. **MAINTENANCE, BUREAU OF SUPPLIES AND ACCOUNTS:** For fuel, the removal and transportation of ashes and garbage, from ships of war; books, blanks, and stationery, including stationery for commanding and navigating officers of ships chaplains on shore and afloat, and for the use of courts-martial on board ships; purchase, repair, and exchange of typewriters for ships; packing boxes and materials; interior fittings for general storehouses, pay offices, and accounting offices in navy yards; expenses of disbursing officers; coffee mills and *repair* thereto; expenses of naval clothing factory and machinery for the same; laboratory equipment; purchase of articles of equipage at home and abroad under the cognizance of the Bureau of Supplies and Accounts, and for the payment of labor in equipping vessels therewith, and the manufacture of such articles in the several navy yards; musical instruments and music; mess outfits; soap on board naval vessels; athletic outfits; tolls, ferriages, yeomen's stores, safes, and other incidental expenses; labor in general storehouses, paymasters' offices, and accounting offices in navy yards and naval stations, including naval stations maintained in island possessions under the control of the United States, and expenses in handling stores purchased and manufactured under "General account of advances"; and reimbursement to appropriations of the Department of Agriculture of cost of inspection of meats and meat food products for the Navy Department: *Provided*, That the sum to be paid out of this appropriation, under the direction of the Secretary of the Navy, for chemists and for clerical, inspection, storemen, store laborer, and messenger service in the supply and accounting departments of the navy yards and naval stations and disbursing offices for the fiscal year ending June thirtieth, nineteen hundred and nineteen, shall not exceed \$4,000,000; in all, \$17,836,625.

Equipment supplies. **FREIGHT, BUREAU OF SUPPLIES AND ACCOUNTS:** All freight and express charges pertaining to the Navy Department and its bureaus, except the transportation of coal for the Bureau of Supplies and Accounts, \$4,000,000.

Food inspection. **FUEL AND TRANSPORTATION:** Coal and other fuel for steamers' and ships' use, including expenses of transportation; storage, and handling the same; maintenance and general operation of machinery of naval fuel depots and fuel plants; water for all purposes on board naval vessels;

Freight, department and bureaus.

Fuel and transportation.

Proviso, Chemical, etc., services.

and ice for the cooling of water, including the expense of transportation and storage of both, \$19,400,000, \$1,000,000 of which, or so much thereof as may be necessary, may in his discretion, be used by the Secretary of the Navy in mining coal, or contracting for the same in Alaska, the transportation of the same, and the construction of coal bunkers and the necessary docks for use in supplying ships therewith; and the Secretary of the Navy is hereby authorized to select from the public coal lands in Alaska such areas as may be necessary for use by him for the purposes stated herein: Provided, That when, in the opinion of the President, the prices asked for the charter of vessels for the transportation of fuel are excessive, he is authorized to purchase vessels suitable for the purpose, and, if money is not otherwise available, to pay for them from the appropriation "Fuel and transportation."

Mining coal,
etc., in Alaska,
for naval use.

Selection of
areas.
Proviso.
Vessels for
carrying fuel.

BUREAU OF CONSTRUCTION AND REPAIR.

CONSTRUCTION AND REPAIR OF VESSELS: For preservation and completion of vessels on the stocks and in ordinary; purchase of materials and stores of all kinds; steam steerers, pneumatic steerers, steam capstans, steam windlasses, and all other auxiliaries; labor in navy yards and on foreign stations; purchase of machinery and tools for use in shops; carrying on work of experimental model tank and wind tunnel; designing naval vessels; construction and repair of yard craft, lighters, and barges; wear, tear, and repair of vessels afloat; general care, increase, and protection of the Navy in the line of construction and repair; *repair and maintenance of vessels of the Coast Guard and Lighthouse Services; submarine chasers, patrol boats;* incidental expenses for vessels and navy yards, inspectors' offices, such as photographing, books, professional magazines, plans, stationery, and instruments for drafting room, and for pay of classified force under the bureau; for hemp, wire, iron, and other materials for the manufacture of cordage, anchors, cables, galleys, and chains; specifications for purchase thereof shall be so prepared as shall give fair and free competition; canvas for the manufacture of sails, awnings, hammocks, and other work; interior appliances and tools for manufacturing purposes in navy yards and naval stations; and for the purchase of all other articles of equipage at home and abroad; and for the payment of labor in equipping vessels therewith and manufacture of such articles in the several navy yards; naval signals and apparatus, other than electric, namely, signals, lights, lanterns, running lights, lanterns, and lamps and their appendages for general use on board ship for illuminating purposes; and oil and candles used in connection therewith; bunting and other materials for making and repairing flags of all kinds; for all permanent galley fittings and equipage; rugs, carpets, curtains, and hangings on board naval vessels, \$60,000,000:

Bureau of construction and repair.

Construction and repair of vessels.

Coast Guard and Lighthouse vessels.

Equipment supplies.

Provided, That the limitations imposed by existing law relative to repairs to vessels of the Navy shall not apply to the expenditure of funds made available in this Act: *Provided further*, That the sum to be paid out of this appropriation, under the direction of the Secretary of the Navy, for clerical, drafting, inspection, watchmen (ship keepers), and messenger service in navy yards, naval stations, and offices of superintending naval constructors for the fiscal year ending June thirtieth, nineteen hundred and nineteen, shall not exceed \$3,000,000.

Construction plants. CONSTRUCTION PLANTS AT NAVY YARDS: For repairs and improvements of machinery and implements at construction plants at navy yards at Portsmouth, New Hampshire, \$10,000; Boston, Massachusetts, \$25,000; New York, New York, \$35,000; Philadelphia, Pennsylvania, \$25,000; Norfolk, Virginia, \$35,000; Charleston, South Carolina, \$10,000; Mare Island, California, \$35,000; Puget Sound, Washington, \$25,000; in all, \$200,000.

Bureau of Steam Engineering.

BUREAU OF STEAM ENGINEERING.

Engineering repairs, machinery, etc. ENGINEERING: For repairs, preservation, and renewal of machinery, auxiliary machinery, and boilers of naval vessels, yard craft, and ships' boats, distilling and refrigerating apparatus; repairs, preservation, and renewals of electric interior and exterior signal communications and all electrical appliances of whatsoever nature on board naval vessels, except range finders, battle order and range transmitters and indicators, and motors and their controlling apparatus used to operate machinery belonging to other bureaus; *searchlights and fire-control equipments for anti-aircraft defense at shore stations*; maintenance and operation of coast signal service, including expenses of office of Director of Naval Communications and the purchase of land as necessary for sites for radio shore stations; equipment, supplies, and materials under the cognizance of the bureau required for the maintenance and operation of naval vessels, yard craft, and ships' boats; purchase, installation, repair, and preservation of machinery, tools, and appliances in navy yards and stations, pay of classified force under the bureau; incidental expenses for navy vessels, naval yards, and stations, inspectors' offices, the engineering experiment station, such as photographing, technical books and periodicals, stationery, and instruments; instruments and apparatus, supplies, and technical books and periodicals necessary to carry on experimental and research work in radiotelegraphy at the naval radio laboratory: *Provided*, That the sum to be paid out of this appropriation, under the direction of the Secretary of the Navy, for clerical, drafting, inspection, and messenger service in navy yards, naval stations, and offices of United States inspectors of machinery and engineering material for the fiscal year ending June thirtieth, nineteen hundred and nineteen, shall not exceed \$3,035,000: *Pro-*

Director of Naval Communications.

Equipment supplies.

Radio work.

Provided.

Clerical, etc., services.

vided further, That the sum to be paid out of this appropriation for the purchase of land for sites for radio shore stations shall not exceed \$10,000; in all, engineering, \$50,000,000.

Radio shore stations.

FOR ORIGINAL INVESTIGATION AND EXTENDED EXPERIMENTATION OF NAVAL APPLIANCES: *Testing implements and apparatus; purchase and installation of such machines and auxiliaries considered applicable for test and use in the naval service, and for maintenance and equipment of buildings and grounds, \$160,000.*

Engineering experimental station.
Experimental work.

The foregoing appropriations for the Naval Establishment shall be available for similar expenses of the Coast Guard and Lighthouse Services while cooperating with the Navy in so far as the regular appropriations for these services are insufficient therefor; and, when expenditures are thus made, naval appropriations need not be reimbursed from the appropriations of the Coast Guard and Lighthouse Services.

Coast Guard and Lighthouse Service.

Naval appropriations available for, while cooperating with Navy.

So much of the naval appropriations for the fiscal years nineteen hundred and eighteen and nineteen hundred and nineteen as is necessary may be transferred on the books of the Treasury to the credit of the regular appropriations of the Coast Guard and Lighthouse Services.

Transfer of credits.

That the President of the United States be, and he is hereby, authorized during the period of the present war to promote temporarily, with the advice and consent of the Senate, commissioned line officers and engineer officers of the United States Coast Guard below the rank and grades of captain and captain of engineers to the ranks and grades of the Coast Guard not above captain and captain of engineers, respectively, without regard to number or length of service in rank or grade: Provided, That such temporary promotions may be to such rank and grade in the Coast Guard not above captain or captain of engineers as correspond to the rank and grade that may be attained in accordance with law, either permanently or temporarily, by line officers of the regular Navy of the same length of total service: Provided further, That constructors of the Coast Guard now authorized by law who shall have had as much total service in the Coast Guard as the officer of the Construction Corps of the Navy at the foot of the permanent or temporary list of those with the rank of lieutenant commanders may be temporarily promoted to the rank of captain of the Coast Guard: And provided further, That for the purposes of this Act service in the Coast Guard to be counted must have been continuous: And provided further, That nothing contained in this paragraph shall operate to disturb the relative position of officers in the Coast Guard with reference to precedence or promotion, but all such officers otherwise qualified shall be advanced in rank with or ahead of officers in the Coast Guard who were their juniors on the date of this Act.

Coast Guard.
Temporary promotion of officers during present war.

Previous.
Restriction in rank and grade.

Constructors.

Service credit.

Precedence, etc., not disturbed.

That the President be, and he is hereby, authorized during the period of the present war to promote temporarily, with the advice and consent of the Senate, the captain commandant of the Coast Guard to the rank of commodore in the Navy and

Promotion of captain commandant, and engineer in chief.
Relative rank.

Rank of captains.	<p><i>brigadier general in the Army, and the engineer in chief of the Coast Guard to the rank of captain in the Navy and colonel in the Army, officers of the Coast Guard holding permanent commissions above the rank and grade of first lieutenant and first lieutenant of engineers as follows: Not to exceed two-fifths of the captains authorized by law, and not to exceed one-third of the captains of engineers authorized by law, to have the rank of senior captain in the Coast Guard; and not to exceed one-third the senior captains authorized by law, to have the rank of captain in the Navy and colonel in the Army: Provided, That the senior captains, captains, and captains of engineers to be temporarily promoted as herein provided, shall be selected as provided by law for promotion by selection in the Navy.</i></p>
Proviso. Promotion by selection.	<p><i>That during the period of the present war, the senior district superintendent, the three district superintendents next in order of seniority, the four district superintendents next below these three in order of seniority, and the junior five district superintendents shall have the rank, pay, and allowances of captain, first lieutenant, and second lieutenant, and third lieutenant in the Coast Guard, respectively.</i></p>
District superintendents. Rank, etc., during the war.	<p><i>That the permanent and probationary commissions of officers of the Coast Guard shall not be vacated by reason of the temporary promotions and advancements authorized by this Act, nor shall said officers be prejudiced in their relative lineal rank in regard to their promotion as provided for in existing law: Provided, That no officer who shall receive a temporary promotion or advancement under this Act shall be entitled to pay or allowances except under such promotion or advancement: Provided further, That upon the termination of the temporary promotions and advancements authorized by this Act, the officers so promoted and advanced shall revert to the rank and grade from which temporarily promoted or advanced, unless such officers in the meantime, in accordance with law, become entitled to promotion to a higher grade or rank in the permanent Coast Guard, in which case they shall revert to said higher grade or rank, and shall, after passing the prescribed examinations, be commissioned accordingly.</i></p>
No present commissions vacated.	<p><i>That all temporary promotions and advancements authorized by this Act shall continue in force only until otherwise directed by the President, and not later than six months after the termination of the present war.</i></p>
Proviso. Pay restriction.	<p><i>That any officer of the Coast Guard temporarily promoted or advanced in grade or rank in accordance with the provisions of this Act who shall be retired from active service under his permanent commission while holding such temporary grade or rank, except for physical disability incurred in line of duty, shall be placed on the retired list with the grade or rank to which his position in the permanent Coast Guard at the date of his retirement would entitle him.</i></p>
Former status to be resumed.	<p><i>That officers of the United States Coast Guard on sea duty or on shore duty beyond the continental limits of the United States during the period of the present war shall receive the</i></p>
Promotions.	<p><i>That officers of the United States Coast Guard on sea duty or on shore duty beyond the continental limits of the United States during the period of the present war shall receive the</i></p>
Termination of temporary promotions.	<p><i>That officers of the United States Coast Guard on sea duty or on shore duty beyond the continental limits of the United States during the period of the present war shall receive the</i></p>
Grade, etc., of officers retired.	<p><i>That officers of the United States Coast Guard on sea duty or on shore duty beyond the continental limits of the United States during the period of the present war shall receive the</i></p>
Foreign service increased pay applicable.	<p><i>That officers of the United States Coast Guard on sea duty or on shore duty beyond the continental limits of the United States during the period of the present war shall receive the</i></p>

same increase of pay and allowances in all respects as are now or may hereafter be provided by law for officers of the Navy of corresponding rank.

That nothing contained in this Act relating to the Coast Guard shall operate to reduce the rank, pay, or allowances that would have been received by any person in the Coast Guard except for the passage of this Act.

No existing pay, etc., reduced.

NAVAL ACADEMY.

Naval Academy.

PAY OF PROFESSORS AND OTHERS, NAVAL ACADEMY: Pay of professors and instructors, including one professor as librarian, \$235,000.

Pay of professors, etc.

One swordmaster, \$1,700; assistants: one \$1,500; one \$1,300; headmaster in physical training, \$2,000; instructors in physical training: one \$1,800; two at \$1,500 each; three at \$1,300 each; assistant librarian, \$2,400; cataloguer, \$1,600; shelf assistants: two at \$1,200 each; secretary of the Naval Academy, \$2,500; clerks: two at \$1,900 each; two at \$1,700 each; two at \$1,600 each; four at \$1,400 each; four at \$1,200 each; seven, \$1,100 each; seven, \$1,000 each; draftsman, \$1,700; surveyor, \$1,500; services of organist at chapel, \$300; captain of the watch, \$1,460; second captain of the watch, \$1,300; twenty-two watchmen, at \$1,160 each; three telephone switchboard operators, at \$660 each; mail messenger, \$1,100. In all, pay of professors and others, Naval Academy, \$329,460.

Instructors, etc.

DEPARTMENT OF ORDNANCE AND GUNNERY: Leading ordnanceman, \$1,450; electrician, \$1,680; ordnancemen: one, \$1,280; one \$1,150; one \$1,100; ordnance helpers: two \$1,030 each; two, \$1,000 each; storeroom and record keeper, \$840; in all, \$11,560.

Department of ordnance and gunnery.

DEPARTMENTS OF ELECTRICAL ENGINEERING AND PHYSICS: One instrument maker, \$1,800; three electrical machinists, \$1,758 each; one mechanic, \$1,758; laboratorian, \$1,500; in all, \$10,332.

Departments of electrical engineering and physics.

DEPARTMENT OF SEAMANSHIP: Two coxswains, \$500 each; three seamen, \$450 each; in all, \$2,350.

Department of seamanship.

DEPARTMENT OF MARINE ENGINEERING AND NAVAL CONSTRUCTION: Master machinist, \$2,300; assistant, \$1,800; pattern maker, \$1,800; boiler maker, blacksmith, three machinists, molder, and coppersmith, \$1,758 each; one pattern maker and one blacksmith, \$1,680 each; one instructor in mechanical drawing, \$2,100; machinists and other employees, \$9,515.20; in all, \$33,181.20.

Department of marine engineering and naval construction.

COMMISSARY DEPARTMENT: Chief clerk and purchasing agent, \$1,800; chief cook, \$1,500; cooks: fourteen, \$900 each; eighteen, \$600 each; stewards: one, \$1,800, four assistants, \$1,200 each; two head waiters, \$900 each; six assistant head waiters, \$720 each; head pantrymen: two, \$900 each; bakers: chief, \$1,500; nine, \$960 each; nine, \$720 each; butchers: head, at \$960; four assistants, \$780

Commissary department.

each; one butcher's helper, \$600; four baker helpers, \$420 each; firemen: six, \$600 each; *necessary waiters, at not to exceed \$25 per month each, \$35,100, and the accounting officers of the Treasury are authorized and directed to credit in the accounts of the disbursing officer for the fiscal years nineteen hundred and seventeen and nineteen hundred and eighteen payments to waiters not in excess of the rate fixed by appropriation Acts and the aggregate amounts appropriated*; coffeeemen: two, \$600 each, four, \$420 each; four dish pantrymen, \$420 each; four utility men, \$420 each; linemen: one, \$600; two, \$420 each; four seamstresses, \$600 each; stenographers: two, \$1,080 each; typists: three, \$900 each; two drivers, \$720 each; scullions and other unskilled labor (wages in no case to exceed \$50 per month), \$2,000; in all, \$121,280.

Credits allowed for payments to waiters.

Department of buildings and grounds.

Emergency temporary employees.

Contingent expenses.

Library.

Board of Visitors.

Superintendent.

Commandant.

Maintenance and repairs.

Vehicles.

DEPARTMENT OF BUILDINGS AND GROUNDS: One messenger to superintendent, \$750; *necessary building attendants, \$34,200; in all, \$34,950.*

For the employment of such additional temporary force of employees in the various departments of the Naval Academy as in the judgment of the Secretary of the Navy may be necessary to the transaction of official business on account of the existing emergency, \$100,000.

In all, civil establishment, \$643,113.20.

CURRENT AND MISCELLANEOUS EXPENSES, NAVAL ACADEMY: Text and reference books for use of instructors; stationery, blank books and forms, models, maps, and periodicals; apparatus and materials for instruction in physical training and athletics; expenses of lectures and entertainments not exceeding \$1,000, including pay and expenses of lecturer; chemicals, philosophical apparatus and instruments, stores, machinery, tools, fittings, apparatus, and materials for instruction purposes, \$89,550.

Purchase, binding, and repair of books for the library (to be purchased in the open market on the written order of the superintendent), \$2,500.

For expenses of the Board of Visitors to the Naval Academy, \$3,000.

For contingencies for the superintendent of the academy, to be expended in his discretion, \$3,000.

For contingencies for the commandant of midshipmen, to be expended in his discretion, \$750.

In all, current and miscellaneous expenses, \$98,800.

MAINTENANCE AND REPAIRS, NAVAL ACADEMY: For general maintenance and repairs at the Naval Academy, namely: For necessary repairs of public buildings, wharves, and walls inclosing the grounds of the Naval Academy, improvements, repairs, and fixtures; for books, periodicals, maps, models, and drawings; purchase and repair of fire engines; fire apparatus and plants; machinery; purchase and maintenance of all horses and vehicles for use at the academy, including the maintenance, operation, and repair of three horse-drawn passenger-carrying vehicles to be used only for official purposes;

seeds and plants; tools and repairs of the same; stationery; furniture for Government buildings and offices at the academy; coal and other fuel; candles, oil, and gas; attendance on light and power plants; cleaning and clearing up station and care of buildings; attendance on fires, lights, fire engines, fire apparatus, and plants, and telephone, telegraph, and clock systems; incidental labor; advertising, water tax, postage, telephones, telegrams, tolls, and ferrriage; flags and awings; packing boxes; fuel for heating and lighting bandsmen's quarters; pay of inspectors and draftsmen; music, musical and astronomical instruments; and for the pay of employees on leave, \$507,000.

Rent of buildings for the use of the academy, and commutation of rent for bandsmen, at \$8 per month each, \$3,936. Rent.

In all, maintenance and repairs, \$510,936.

In all, Naval Academy, exclusive of public works, \$1,252,849.20.

MARINE CORPS.

Marine Corps.

PAY, MARINE CORPS: Pay of officers, active and reserve list: For pay and allowances prescribed by law for all officers on the active and reserve list, \$9,891,624.50. Pay officers.

The title of clerks for assistant paymasters is hereby changed to pay clerk, who shall hereafter receive the same pay, allowances, and other benefits now provided by law for clerks for assistant paymasters; and the total number of pay clerks shall not exceed ten for duty in the office of the paymaster, Marine Corps, fifteen for duty in the paymaster's department at large, and one for each assistant paymaster: Provided, That nothing herein contained shall be construed to reduce the pay, allowances, or other benefits granted by existing law to any clerk for assistant paymaster now in service. Pay clerks.
Title and pay
established.

Private.
No pay, etc.,
reduction.

For pay of officers prescribed by law, on the retired list: For two major generals, three brigadier generals, six colonels, four lieutenant colonels, eleven majors, twenty-one captains, fourteen first lieutenants, two second lieutenants, and one paymaster's clerk, and for officers who may be placed thereon during the year, including such increased pay as is now or may hereafter be provided for retired officers regularly assigned to active duty, \$218,907.56. Retired officers.

Pay of enlisted men, active and reserve list: Pay and allowances of noncommissioned officers, musicians, and privates, as prescribed by law, and for the expenses of clerks of the United States Marine Corps traveling under orders, and including additional compensation for enlisted men of the Marine Corps regularly detailed as gun captains, gun pointers, mess sergeants, cooks, messmen, signalmen, or holding good-conduct medals, pins, or bars, including interest on deposits by enlisted men, post-exchange debts of deserters, under such rules as the Enlisted men.
Active and re-
serve list.

Secretary of the Navy may prescribe, and the authorized travel allowance of discharged enlisted men and for prizes for excellence in gunnery exercise and target practice and for pay of enlisted men designated as Navy mail clerks and assistant Navy mail clerks, both afloat and ashore, \$38,877,795.

Retired.

For pay and allowances prescribed by law of enlisted men on the retired list: For nine sergeants major, one drum major, *twenty-one* gunnery sergeants, *thirty-four* quartermaster sergeants, *thirty-eight* first sergeants, *fifty-nine* sergeants, *thirteen* corporals, *one principal musician*, *sixteen* first-class musicians, *one second-class musician*, one drummer, and *thirteen* privates, and for those who may be retired during the fiscal year, \$168,477.

Undrawn clothing.

Undrawn clothing: For payment to discharged enlisted men for clothing undrawn, \$128,358.80.

Mileage.

Mileage: For mileage to officers traveling under orders without troops, \$377,500.

Commutation of quarters.

For commutation of quarters of officers on duty without troops where there are no public quarters, \$427,500.

Civil force.

PAY OF CIVIL FORCE: In the office of the major general commandant: *Temporary special assistant to the major general commandant*, \$2,750; one chief clerk, at \$2,250; one clerk, at \$1,800; one messenger, at \$971.28.

In the office of the paymaster: One chief clerk, at \$2,250; one clerk, at \$1,500.

In the office of the adjutant and inspector: One chief clerk, at \$2,250; one clerk, at \$1,800; *clerk at \$1,600*; one clerk, at \$1,500; one clerk, at \$1,400; one clerk, at \$1,200.

In the office of the quartermaster: *Temporary special assistant to the quartermaster*, \$2,750; one chief clerk, at \$2,250; *two* clerks, at \$1,800 each; one clerk, at \$1,500; *two* clerks, at \$1,400 each; *two* clerks, at \$1,200 each; *technical engineer*, \$2,300; one draftsman, at \$2,000.

In the office of the assistant quartermaster, San Francisco, California: One chief clerk, at \$2,000.

In the office of the assistant quartermaster, Philadelphia, Pennsylvania: One chief clerk, at \$2,000; one messenger, at \$840.

Accounting.

In all, for pay of civil force, \$45,711.28, and the money herein specifically appropriated for pay of the Marine Corps shall be disbursed and accounted for in accordance with existing law as pay of the Marine Corps, and for that purpose shall constitute one fund.

In all, pay, Marine Corps, \$50,135,874.14.

Quartermaster's Department. MAINTENANCE, QUARTERMASTER'S DEPARTMENT, MARINE CORPS.

Provisions.

PROVISIONS, MARINE CORPS: For *enlisted men* serving ashore; subsistence and lodging of enlisted men when traveling on duty, or cash in lieu thereof; commutation of rations to enlisted men regularly detailed as clerks and messengers; payments of board and lodging of applicants

for enlistment while held under observation, recruits, recruiting parties, and enlisted men where it is impracticable to otherwise furnish subsistence, or in lieu of board, commutation of rations to recruiting parties, *and enlisted men traveling on special duty at such rate as the Secretary of the Navy may prescribe*; ice machines and their maintenance where required for the health and comfort of the troops and for cold storage; ice for officers and preservation of rations, \$15,053,500.

CLOTHING, MARINE CORPS: For *enlisted men* authorized by law, \$32,470,480. Clothing.

FUEL, MARINE CORPS: For heat, light, and commutation thereof for the authorized allowance of quarters for officers and enlisted men, and other buildings and grounds pertaining to the Marine Corps; fuel, electricity, and oil for cooking, power, and other purposes; and sales to officers, \$1,523,715. Fuel, light, etc.

MILITARY STORES, MARINE CORPS: Pay of chief armorer, at \$4 per diem; purchase *and repair* of military equipments, such as rifles, revolvers, cartridge boxes, bayonet scabbards, haversacks, blanket bags, canteens, rifle slings, swords, drums, trumpets, flags, waistbelts, waist plates, cartridge belts, spare parts for repairing rifles, machetes; tents, field cots, field ovens, and stoves for tents, instruments for bands; purchase of music and musical accessories, *articles of field sports for enlisted men, signal equipment and stores*; purchase and marking of prizes for excellence in gunnery and rifle practice; good-conduct badges; medals *and buttons* awarded to officers and enlisted men by the Government for conspicuous, gallant, and special service; incidental expenses of schools of application; construction, equipment, and maintenance of school, library, and amusement rooms and gymnasiums for enlisted men, establishment, *rental*, and maintenance of *camps of instruction, target ranges*, and entrance fees in competitions; procuring, preserving, and handling ammunition and other necessary military supplies; in all, \$25,277,750. Military stores.
Purchase of
equipment, etc.

TRANSPORTATION AND RECRUITING, MARINE CORPS: For transportation of troops, and of applicants for enlistment between recruiting stations and recruit depots or posts, including ferriage and transfers en route, or cash in lieu thereof; toilet kits for issue to recruits upon their first enlistment and the expense of the recruiting service, \$2,531,366: *Provided, That hereafter* authority is hereby granted to employ the services of advertising agencies in advertising for recruits under such terms and conditions as are most advantageous to the Government. Instruction
camps, etc.
Ammunition.

REPAIRS OF BARRACKS, MARINE CORPS: Repairs and improvements to barracks, quarters, and other public buildings at posts and stations; for the renting, leasing, improvement, and erection of buildings in the District of Columbia, and at such other places as the public exigencies require, \$4,258,204. Transportation
and recruiting.

Proviso.
Advertising
authorized here-
after.

Repairs, etc., to
barracks.

Forage.

FORAGE, MARINE CORPS: For forage in kind and stabling for public animals of the Quartermaster's Department and the authorized number of officers' horses, **\$294,930.**

Commutation of quarters with troops.

COMMUTATION OF QUARTERS, MARINE CORPS: Commutation of quarters for enlisted men on recruiting duty, for officers and enlisted men serving with troops where there are no public quarters belonging to the Government, and where there are not sufficient quarters possessed by the United States to accommodate them, for enlisted men employed as clerks and messengers in the offices of the commandant, adjutant and inspector, paymaster, and quartermaster, and the offices of the assistant adjutant and inspectors, assistant paymasters, assistant quartermasters, at \$21 each per month, and for enlisted men employed as messengers in said offices, at \$10 each per month, **\$1,215,467.**

Contingent.

CONTINGENT, MARINE CORPS: For freight, expressage, tolls, cartage, advertising, washing of bed sacks, mattress covers, pillowcases, towels, and sheets, funeral expenses of officers and enlisted men, *and retired officers on active duty during the war*, and retired enlisted men of the Marine Corps, including the transportation of bodies and their arms and wearing apparel from the place of demise to the homes of the deceased in the United States; stationery and other paper, printing and binding; telegraphing, rent of telephones; purchase, repair, and exchange of typewriters; apprehension of stragglers and deserters; per diem of enlisted men employed on constant labor for periods of not less than ten days; employment of civilian labor; purchase, repair, and installation and maintenance of gas, electric, sewer, and water pipes and fixtures; office and barracks furniture, camp and garrison equipage and implements; mess utensils for enlisted men; packing boxes, wrapping paper, oilcloth, crash, rope, twine, quarantine fees, camphor and carbolized paper, carpenters' tools, tools for police purposes, safes, purchase, hire, repair, and maintenance of such harness, wagons, motor wagons, armored automobiles, carts, drays, motor-propelled and horse-drawn passenger-carrying vehicles, to be used only for official purposes, and other vehicles as are required for the transportation of troops and supplies and for official military and garrison purposes; purchase of public horses and mules; services of veterinary surgeons, and medicines for public animals, and the authorized number of officers' horses; purchase of mounts and horse equipment for all officers below the grade of major required to be mounted; shoeing for public animals and the authorized number of officers' horses; purchase and repair of hose, fire extinguishers, hand grenades, carts, wheelbarrows, and lawn mowers; purchase, installation, and repair of cooking and heating stoves and furnaces; purchase of towels, soap, combs, and brushes for offices; postage stamps for foreign and registered postage; books,

newspapers, and periodicals; improving parade grounds; repair of pumps and wharves, water; straw for bedding, mattresses; mattress covers, pillows, sheets; furniture for Government quarters and repair of same; packing and crating officers' allowance of baggage on change of station; deodorizing, lubricants, disinfectants; and for all emergencies and extraordinary expenses arising at home and abroad, but impossible to anticipate or classify, \$10,577,780.

In all, for the maintenance of Quartermaster's Department, Marine Corps, \$93,203,682; and the money herein specifically appropriated for the maintenance of the Quartermaster's Department, Marine Corps, shall be disbursed and accounted for in accordance with the existing law as maintenance, Quartermaster's Department, Marine Corps, and for that purpose shall constitute one fund.

Disbursing and accounting.

RESERVE SUPPLIES, MARINE CORPS: Toward the procurement of a reserve stock of clothing, arms, and equipment, and other necessary military supplies, to be immediately available and to remain available until expended, \$16,677,200.

Reserve supplies.

Total Marine Corps, including reserve supplies, Marine Corps, exclusive of public works, \$160,016,756.14.

The President is hereby authorized and empowered, within the amounts herein appropriated therefor, to take over immediately for the United States possession of and title to each and all of the parcels of land, including appurtenances and improvements for the acquisition of which authority is herein granted and for which appropriations are herein made: Provided, That if said lands and appurtenances and improvements shall be taken over as aforesaid, the United States shall make just compensation therefor, to be determined by the President, and if the amount thereof, so determined by the President, is unsatisfactory to the person entitled to receive the same, such person shall be paid seventy-five per centum of the amount so determined by the President and shall be entitled to sue the United States to recover such further sum as added to said seventy-five per centum will make up such amount as will be just compensation therefor, in the manner provided for by section twenty-four, paragraph twenty, section one hundred and forty-five, of the Judicial Code: Provided further, That upon the taking over of said property by the President as aforesaid the title to all property so taken over shall immediately vest in the United States.

Immediate possession of lands, etc., authorized.

Proviso. Compensation to be made. Suit if amount unsatisfactory.

Procedure.

Title to vest immediately.

INCREASE OF THE NAVY.

Of the vessels authorized to be constructed prior to July first, nineteen hundred and nineteen, in the "Act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and seventeen, and for other purposes," approved August twenty-ninth, nineteen hundred and sixteen, the construction of which has not here-

Increase of the Navy.

Early construction of vessels previously ordered.

tofore specifically been directed to be begun shall be begun as soon as practicable, but not later than June thirtieth, nineteen hundred and nineteen.

Torpedo-boat destroyers. *INCREASE OF THE NAVY, TORPEDO-BOAT DESTROYERS: On account of torpedo-boat destroyers heretofore authorized, to be available until expended, \$125,000,000.*

Torpedo boats. *INCREASE OF THE NAVY, TORPEDO BOATS: On account of submarine torpedo boats heretofore authorized, to be available until expended, \$32,397,000: Provided, That the limit of cost of the coast submarines authorized by the Act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and seventeen, approved August twenty-ninth, nineteen hundred and sixteen, is hereby increased by the sum of \$25,000 each.*

Armor and armament. *INCREASE OF THE NAVY, ARMOR AND ARMAMENT: Toward the armor and armament for vessels heretofore authorized, to be available until expended, \$20,000,000.*

Ammunition. *INCREASE OF THE NAVY, AMMUNITION: On account of ammunition for vessels heretofore authorized, to be available until expended, \$7,000,000.*

Total increase of the Navy heretofore authorized, \$184,397,000.

Naval emergency fund.
Amount to be expended under the President for specified objects.

NAVAL EMERGENCY FUND.

To enable the President to secure the more economical and expeditious delivery of materials, equipment, and munitions and secure the more expeditious construction of ships authorized and for the purchase or construction of such additional torpedo-boat destroyers, submarine chasers, and other naval craft, and for each and every purpose connected therewith, as the President may direct, to be expended at the direction and in the discretion of the President, \$100,000,000.

Equipping navy yards for shipbuilding, etc.

IMPROVING AND EQUIPPING NAVY YARDS FOR CONSTRUCTION OF SHIPS AND TO MEET URGENT NEEDS OF NAVY YARDS, STATIONS, AND BASES: To enable the Secretary of the Navy to equip the navy yards with suitable and necessary machinery, implements, building ways, and equipment for the construction and repair of such vessels as may have been or may be assigned to navy yards and to meet urgent needs of navy yards, stations, and bases, \$10,000,000.

No pay to of-ficers using time-measuring device on work of employes.

That no part of the appropriations made in this Act shall be available for the salary or pay of any officer, manager, superintendent, foreman, or other person having charge of the work of any employee of the United States Government while making or causing to be made with a stop watch or other time-measuring device a time study of any job of any such employee between the starting and completion thereof, or of the movements of any such employee while engaged upon such work; nor shall any part of the appropriations made in this Act be available to pay any premiums or bonus or cash reward to any employee in addition to his regular wages, except for

Cash rewards, etc., limited.

suggestions resulting in improvements or economy in the operation of any Government plant.

That no part of any sum appropriated by this Act shall be used for any expense of the Navy Department at Washington, District of Columbia, unless specific authority is given by law for such expenditure. Specific authority required for department use.

All unexpended balances of appropriations made for the Naval Establishment for the fiscal year nineteen hundred and eighteen in the naval appropriation Act and the several Acts making deficiency appropriations are hereby continued and made available for the fiscal year nineteen hundred and nineteen. The balances existing, after all payments made prior to the passage of this Act have been charged, shall be transferred to and merged with the corresponding appropriations contained in this Act: Provided, That prior to the transfer there may be charged against these balances the expenditures prior to July first, nineteen hundred and eighteen, on account of the accrued pay of officers and enlisted men of the Navy and Marine Corps, accrued pay of civilian employees, and supplies issued from the Naval Supply Account. Unexpended balances continued, etc.

All appropriations contained in this Act are hereby made immediately available, but no appropriation in this Act shall be used for payment of deficiencies. Immediately available, etc.

Approved, July 1, 1918.

SIXTY-FIFTH CONGRESS, FIRST SESSION—MAY 22, 1917.

[PUBLIC—No. 17—65TH CONGRESS.]

[H. R. 3330.]

AN ACT To temporarily increase the commissioned and warrant and enlisted strength of the Navy and Marine Corps, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the authorized enlisted strength of the active list of the Navy is hereby temporarily increased from eighty-seven thousand to one hundred and fifty thousand, including four thousand additional apprentice seamen.

Navy.
Enlisted strength temporarily increased.

SEC. 2. That the authorized enlisted strength of the active list of the Marine Corps is hereby temporarily increased from seventeen thousand four hundred to thirty thousand, this authorized strength being distributed in the various grades of the enlisted force in the same proportion as those authorized at the date of the approval of this Act.

Marine Corps.
Enlisted strength temporarily increased.

SEC. 3. That enlistments in the Navy and Marine Corps, during such time as the United States may be at war, shall be for four years or for such shorter period or periods as the President may prescribe, or for the period of the present war.

Enlistment period during present war.

SEC. 4. Additional commissioned officers in the Navy and Marine Corps, based upon the temporary increases herein authorized in the number of enlisted men, shall be temporarily appointed by the President, in his discretion, with the advice and consent of the Senate, not above the grades and ranks of lieutenant in the line and staff of the Navy and major in the Marine Corps, the distribution in said grades and ranks to be made in accordance with the provisions of the Act of August twenty-ninth, nineteen hundred and sixteen: *Provided*, That all temporary original appointments shall be made in the lowest commissioned grades of the line and staff of the Navy and Marine Corps, exclusive of commissioned warrant officers, and that there shall be no permanent or temporary appointments in or permanent or temporary promotions to any grade or rank above that of lieutenant in the Navy or major in the Marine Corps by reason of the temporary appointment of officers authorized by this Act in excess of the total number of officers authorized by existing law or on account of the increase of enlisted men herein authorized: *Provided further*, That, during the period of the present war, the deficiency existing prior to the

Temporary appointments based upon increases.

Distribution of grades.

Proviso.
Original appointments to be in lowest grades.
Restrictions on appointments or promotions to higher grades.

Supplying existing vacancies for present war.

passage of this Act in the total number of commissioned officers of the Navy and Marine Corps authorized by the Act of August twenty-ninth, nineteen hundred and sixteen, may also be supplied by temporary appointments in the lowest grades and by temporary promotions to all other grades until a sufficient number of officers shall be available for regular appointment or promotion in accordance with existing law: *Provided further*, That nothing herein shall be held or construed to limit or abridge the use or service of the officers of the Navy and Marine Corps on the retired list or of the officers of the Naval Militia and National Naval Volunteers, Naval Reserve Force and Marine Corps Reserve, as provided and authorized under existing law: *Provided further*, That temporary chaplains and temporary acting chaplains in the Navy may be appointed for service during the period of the war in the proportion of the personnel of the Navy as now prescribed by existing law.

Use of retired officers, Naval Militia, reserves, etc., not abridged.

Chaplains. Temporary appointments authorized.

Officers. Eligibility for appointments or promotions to temporary grades or ranks.

SEC. 5. That the additional temporary officers authorized in the various grades and ranks of the Navy and Marine Corps in accordance with the next preceding section may be temporarily appointed to serve in the grades or ranks to which appointed or promoted by the temporary advancement of officers holding permanent and probationary commissions, by temporary appointment of commissioned warrant officers, warrant officers, and enlisted men of the Navy, and warrant officers, noncommissioned officers, and clerks to assistant paymasters of the Marine Corps, commissioned and warrant officers of the United States Coast Guard, citizens of the United States who have had previous naval or military service or training, and other citizens of the United States specially qualified: *Provided*, That in making appointments authorized herein the maximum age limit shall be fifty years for commissioned warrant officers, warrant officers, and enlisted men to ensign, enlisted men of the Navy to warrant rank, candidates for assistant surgeon, noncommissioned officers of the Marine Corps to commissioned rank, members of the Marine Corps branch of the Naval Militia and National Naval Volunteers, Marine Corps Reserve, and civilians specially qualified to commissioned rank, and warrant officers of the active list of the Marine Corps appointed to commissioned rank, and temporary chaplains and temporary acting chaplains: *Provided further*, That graduates of the Naval Academy and warrant officers duly commissioned in the Navy or Marine Corps in accordance with existing law shall not, by virtue of this Act, be required to receive temporary appointments; and the class of midshipmen graduated from the Naval Academy on March twenty-ninth, nineteen hundred and seventeen, and the classes to be graduated hereafter, may be commissioned effective from date of graduation: *Provided further*, That temporary appointments as warrant officers of the Navy may

Proviso. Maximum age limit.

Naval Academy and warrant officers.

Commissions to midshipmen on graduation.

be made by the Secretary of the Navy: *Provided further*, That lieutenants (junior grade) and ensigns may be considered eligible for temporary promotions to the grades of lieutenant and lieutenant (junior grade), respectively, without regard to length of service in grade.

Temporary warrant officers. Lieutenants (junior grade) and ensigns.

SEC. 6. That during the period of the present war the computations to be made by the Secretary of the Navy as prescribed by the act of August twenty-ninth, nineteen hundred and sixteen, shall be made semiannually as of July first and January first of each year and at such other times as he may deem necessary; and the Board of Rear Admirals for selection for promotion prescribed in said Act may be convened at such times as the exigencies of the service may require and shall recommend for promotion such number of officers as the Secretary of the Navy may prescribe to fill vacancies in the several grades as provided by existing law.

Computations for promotions to be made semiannually during present war. Recommendations by Board.

SEC. 7. That the permanent and probationary commissions, appointments, and warrants of officers shall not be vacated by reason of their temporary advancement or appointment, nor shall said officers be prejudiced in their relative lineal rank in regard to promotion in accordance with the Act of August twenty-ninth, nineteen hundred and sixteen: *Provided*, That the rights, benefits, privileges, and gratuities of all enlisted men of the Navy and Marine Corps now authorized by law shall not be lost or abridged in any respect whatever by their acceptance of temporary commissions or warrants hereunder: *Provided further*, That no person who shall receive a temporary appointment shall be entitled to pay or allowances except under such temporary appointment: *And provided further*, That upon the termination of temporary appointments in a higher grade or rank as authorized by this Act the officers so advanced, including probationary second lieutenants, warrant officers, clerks to assistant paymasters, and enlisted men of the Navy and Marine Corps, commissioned and warrant officers of the United States Coast Guard, shall revert to the grade, rank, or rating from which temporarily advanced, unless such officers or enlisted men in the meantime, in accordance with law, become entitled to promotion to a higher grade or rank in the permanent Navy or Marine Corps, in which case they shall revert to said higher grade or rank and shall, after passing the prescribed examinations, be commissioned accordingly.

Permanent status not affected by temporary appointments.

Proviso. Rights, etc., of enlisted men not abridged.

Effect of temporary appointments.

Reversion to prior grade, etc., on termination.

Regular promotions not affected.

SEC. 8. That all temporary appointments or advancements authorized by this Act shall continue in force only until otherwise directed by the President or until Congress shall amend or repeal the authorization for the increases herein provided and not later than six months after the termination of the present war.

Termination of temporary appointments.

SEC. 9. That any officer of the permanent Navy or Marine Corps, temporarily advanced in grade or rank in accordance with the provisions of this Act, who shall be retired from active service under his permanent com-

Retirements.

mission while holding such temporary rank, except for physical disability incurred in line of duty, shall be placed on the retired list with the grade or rank to which his position in the permanent Navy or Marine Corps at the date of his retirement would entitle him, and any person originally appointed temporarily, as provided in this Act, shall not be entitled to any rights of retirement, except for physical disability incurred in line of duty.

Marine Corps.
Promotion of
probationary second
lieutenants.

SEC. 10. That, during the continuance of the present war, should any second lieutenant of the Marine Corps holding a probationary appointment for the period of two years become eligible for promotion to a higher grade and qualify therefor before the expiration of two years from the date of original appointment, he shall receive a probationary appointment in such higher grade, which appointment shall be made permanent or shall be vacated in the manner prescribed by the Act of August twenty-ninth, nineteen hundred and sixteen.

Additional marine
gunners, etc.,
authorized.

SEC. 11. That the appointment of thirty marine gunners, thirty quartermaster's clerks, and nine clerks to assistant paymasters, additional to the number now prescribed by law, and the temporary appointment of eight clerks to assistant paymasters for the war, is hereby authorized, such appointments to be made in the manner now provided by law.

Appointment
by the Presidents
and Senate.

SEC. 12. That the temporary appointments and promotions herein authorized shall be made by the President, with the advice and consent of the Senate.

No reduction of
rank, pay, etc.

SEC. 13. Nothing contained in this Act shall operate to reduce the rank, pay, or allowances that would have been received by any person in the Navy, Marine Corps, or Coast Guard except for the passage of this Act.

Personnel.
Limitation on
number of line
captains re-
pealed.

SEC. 14. That the provisions of the Act entitled "An Act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and seventeen, and for other purposes," approved August twenty-ninth, nineteen hundred and sixteen, which read as follows: "*Provided further*, That the increase in the number of captains herein authorized shall be made at the rate of not more than ten captains in any one year" and "That officers of the Marine Corps with the rank of colonel who shall have served faithfully for forty-five years on the active list shall, when retired, have the rank of brigadier general; and such officers who shall hereafter be retired at the age of sixty-four years before having served for forty-five years, but who shall have served faithfully on the active list until retired, shall, on the completion of forty years from their entry in the naval service, have the rank of brigadier general," are hereby repealed.

Marine Corps.
Retirement of
colonels as brig-
adier generals, re-
pealed.

Enlisted men.
Pay increased
during the war.
Basis.

SEC. 15. That commencing June first, nineteen hundred and seventeen, and continuing until not later than six months after the termination of the present war, all enlisted men of the Navy of the United States in active

service whose base pay does not exceed \$21 per month shall receive an increase of \$15 per month; those whose base pay is over \$21 and does not exceed \$24 per month, an increase of \$12 per month; those whose base pay is over \$24 and less than \$45 per month, an increase of \$8 per month; and those whose base pay is \$45 or more per month, an increase of \$6 per month: *Provided*, That the increases of pay herein authorized shall not enter into the computation of continuous-service pay: *Provided*, That during the continuance of the present war, warrant officers, petty officers and enlisted men of the United States Coast Guard shall receive the same rates of pay as are or may hereafter be prescribed for corresponding grades or ratings and length of service in the Navy.

Proviso.
Not credited to service pay.
Coast Guard.
Pay, etc., to correspond with Navy.

SEC. 16. That the President is hereby authorized, whenever in his judgment a sufficient national emergency exists, to transfer to the service and jurisdiction of the War Department, or of the Navy Department, such vessels, equipment, stations, and personnel of the Coast and Geodetic Survey as he may deem to the best interest of the country, and after such transfer all expenses connected therewith shall be defrayed out of the appropriations for the department to which transfer is made: *Provided*, That such vessels, equipment, stations, and personnel shall be returned to the Coast and Geodetic Survey when such national emergency ceases, in the opinion of the President, and nothing in this Act shall be construed as transferring the Coast and Geodetic Survey or any of its functions from the Department of Commerce except in time of national emergency and to the extent herein provided: *Provided further*, That any of the personnel of the Coast and Geodetic Survey who may be transferred as herein provided shall, while under the jurisdiction of the War Department or Navy Department, have proper military status and shall be subject to the laws, regulations, and orders for the government of the Army or Navy, as the case may be, in so far as the same may be applicable to persons whose retention permanently in the military service of the United States is not contemplated by law: *And provided further*, That the President is authorized to appoint, by and with the advice and consent of the Senate, the field officers of the Coast and Geodetic Survey, who are now officially designated assistants and aids, as follows: Officers now designated assistants and receiving a salary of \$2,000 or more per annum shall be appointed hydrographic and geodetic engineers; officers now designated assistants and receiving a salary of \$1,200 or greater but less than \$2,000 per annum shall be appointed junior hydrographic and geodetic engineers; officers now designated aids shall be appointed aids: *Provided*, That no person shall be appointed aid or shall be promoted from aid to junior hydrographic and geodetic engineer or from junior hydrographic and geodetic engineer to hydrographic and geo-

Coast and Geodetic Survey.
Transfer of vessels, etc., to Army or Navy.

Proviso.
Return when emergency ceases.

Personnel subject to Army or Navy laws, etc.

Field officers.
Officers of hydrographic and geodetic engineers created.

Examinations required, etc.

detic engineer until after passing a satisfactory mental and physical examination conducted in accordance with regulations prescribed by the Secretary of Commerce, except that the President is authorized to nominate for confirmation the assistants and aids in the service on the date of the passage of this Act.

Present pay,
etc., not reduced.
Pension bene-
fits.

Nothing in this Act shall reduce the total amount of pay and allowances they were receiving at the time of transfer. While actually employed in active service under direct orders of the War Department or of the Navy Department members of the Coast and Geodetic Survey shall receive the benefit of all provisions of laws relating to disability incurred in line of duty or loss of life.

Relative rank
in service of
Army or Navy.

When serving with the Army or Navy the relative rank shall be as follows:

Hydrographic and geodetic engineers receiving \$4,000 or more shall rank with and after colonels in the Army and captains in the Navy.

Hydrographic and geodetic engineers receiving \$3,000 or more but less than \$4,000 shall rank with and after lieutenant colonels in the Army and commanders in the Navy.

Hydrographic and geodetic engineers receiving \$2,500 or more but less than \$3,000 shall rank with and after majors in the Army and lieutenant commanders in the Navy.

Hydrographic and geodetic engineers receiving \$2,000 or more but less than \$2,500 shall rank with and after captains in the Army and lieutenants in the Navy.

Junior hydrographic and geodetic engineers shall rank with and after first lieutenants in the Army and lieutenants (junior grade) in the Navy.

Aids shall rank with and after second lieutenants in the Army and ensigns in the Navy.

Pay when not
on military duty.

And nothing in this Act shall be construed to affect or alter their rates of pay and allowances when not assigned to military duty as hereinbefore mentioned.

Regulations
governing duties,
etc.

The Secretary of War, the Secretary of the Navy, and the Secretary of Commerce shall jointly prescribe regulations governing the duties to be performed by the Coast and Geodetic Survey in time of war, and for the cooperation of that service with the War and Navy Departments in time of peace in preparation for its duties in war, which regulations shall not be effective unless approved by each of the said Secretaries, and included therein may be rules and regulations for making reports and communications between the officers or bureaus of the War and Navy Departments and the Coast and Geodetic Survey.

Medical Corps
Navy.
Status re-
tained.

SEC. 17. That nothing contained in the Act of August twenty-ninth, nineteen hundred and sixteen, shall operate to disturb the relative position of officers in the Medical Corps with reference to precedence or promotion, but all such officers otherwise qualified shall be advanced in

rank with or ahead of officers in said corps who were their juniors on the date of said Act.

SEC. 18. That the President be, and he is hereby, further authorized to designate six officers of the Navy for the command of fleets or subdivisions thereof and, after being so designated from the date of assuming such command until relinquishing thereof, not more than three of such officers shall each have the rank and pay of an admiral, and the others shall each have the rank and pay of a vice admiral; and the grades of admiral and vice admiral are hereby authorized and continued for the purpose of this Act: *Provided*, That in time of war the selections under the provisions of this section shall be made from the grades of rear admiral or captain on the active list of the Navy: *Provided further*, That the pay of an admiral shall be \$10,000 and the pay of a vice admiral \$9,000 per annum: *Provided further*, That in time of peace officers for the command of fleets and subdivisions thereof, as herein authorized, shall be designated from among the rear admirals on the active list of the Navy: *Provided further*, That nothing herein contained shall create any vacancy in any grade in the Navy or increase the total number of officers authorized by law: *Provided further*, That when an officer with the rank of admiral or vice admiral is detached from the command of a fleet or subdivision thereof, as herein authorized, he shall return to his regular rank in the list of officers of the Navy and shall thereafter receive only the pay and allowances of such rank: *And provided further*, That nothing in this Act shall be held or construed as amending or repealing the provisions of sections fourteen hundred and thirty-four, fourteen hundred and sixty-three, and fourteen hundred and sixty-four of the Revised Statutes of the United States.

Command of fleets, etc.
Designation of admirals or vice admirals for.

Proviso.
Selection in time of war.

Pay.

Designation in time of peace.

No vacancy created.

To return to regular rank when detached.

Status of "flag officers" not affected.

Former provision repealed.

That the provision in the Act approved March third, nineteen hundred and fifteen, for the designation of commanders in chief of certain fleets with the rank of admiral and for the designation of officers second in command of such fleets with the rank of vice admiral be, and the same is hereby, repealed.

SEC. 19. That section forty-four of the Act entitled "An Act to codify, revise, and amend the penal laws of the United States," approved March fourth, nineteen hundred and nine, as amended by an Act entitled "An Act making appropriation for the naval service for the fiscal year ending June thirtieth, nineteen hundred and eighteen, and for other purposes," approved March fourth, nineteen hundred and seventeen, be, and is hereby, amended by adding the following to said section:

Criminal Code amendment.

"*Provided*, That offenses hereunder committed within the Canal Zone or within any defensive sea areas which the President is authorized to establish by said section, shall be cognizable in the District Court of the Canal

Violating defensive sea areas regulations, etc.
Jurisdiction of District Court of Canal Zone over offenses.

Zone, and jurisdiction is hereby conferred upon said court to hear and determine all such cases arising under said section and to impose the penalties therein provided for the violation of any of the provisions of said section."

Staff officers.
Examination
for advancement
to higher ranks.

Previous.
Limitation.
Records of ex-
amining board to
be acted on by
Secretary of the
Navy.

Extra ration for
deck force on
night duty dur-
ing present war.

SEC. 20. That hereafter all laws relating to the examination of officers of the Navy for promotion shall be construed to apply to the regular advancement of staff officers to higher ranks on the active list the same as though such advancements in rank were promotions to higher grades: *Provided*, That examinations for such staff officers shall not be required except for such regular advancements in rank: *Provided further*, That the President be, and he is hereby, authorized to direct the Secretary of the Navy to take such action on the records of proceedings of naval examining boards and boards of naval surgeons for the promotion of officers of the Navy as is now required by law to be taken by the President.

SEC. 21. That during the continuance of the present war an extra allowance of one ounce of coffee or cocoa, two ounces of sugar, four ounces of hard bread or its equivalent, and four ounces of preserved meat or its equivalent shall be allowed to enlisted men of the deck force when standing night watches between eight o'clock postmeridian and eight o'clock antemeridian.

Approved, May 22, 1917.

FIFTY-FIFTH CONGRESS, THIRD SESSION—MARCH 3, 1899.

PERSONNEL ACT.

And also subsequent legislation showing principal changes affecting the personnel of the Navy.

AN ACT To reorganize and increase the efficiency of the personnel of the Navy and Marine Corps of the United States.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the officers constituting the Engineer Corps of the Navy be, and are hereby, transferred to the line of the ^{Engineer Corps transferred to} line. Navy, and shall be commissioned accordingly.

¹ [OFFICERS FOR ENGINEERING DUTY ONLY. Officers of the line of the Navy not below the grade of lieutenant may, upon application, and with the approval of the Secretary of the Navy, be assigned to engineering duty only, and that when so assigned and until they reach the grade of commander, they shall perform duty as prescribed in section four of the Personnel Act approved March third, eighteen hundred and ninety-nine, and thereafter shore duty only as now prescribed for officers transferred to the line from the former engineer corps, except that commanders may be assigned to duty as fleet and squadron engineers: *Provided*, That when so assigned they shall retain their place with respect to other line officers in the grades they now or may hereafter occupy, and also the right to succession to command on shore in accordance with their seniority, and shall be promoted as vacancies occur subject to physical examination and to such examination in engineering as the Secretary of the Navy may prescribe: *Provided further*, That the number of officers so assigned in any one year shall be in accordance with the requirements of the service as determined by the Secretary of the Navy: *And provided further*, That the Secretary of the Navy is hereby authorized to appoint annually in the line of the Navy for a period of ten years following the passage of this Act, in the order of merit determined by such competitive examination as he may prescribe, thirty acting ensigns for the performance of engineering duties only. Persons so appointed must have received a degree of mechanical or electrical engineer from a college or university of high standing or be graduates of technical schools approved by the Secretary of the Navy, must have been found physically qualified by a board of medical officers of the

Navy for the performance of the duties required, and must at the time of appointment be not less than twenty nor more than twenty-six years of age. Such appointments shall be for a probationary period of three years, and may be revoked at any time by the Secretary of the Navy.

[Such acting ensigns shall, upon the completion of the probationary period of three years, of which two years shall have been spent on board cruising vessels and one year pursuing a course of instruction at the Naval Academy prescribed by the Secretary of the Navy, be commissioned in the grade of lieutenant of the junior grade after satisfactorily passing such examination as may be prescribed by the Secretary of the Navy, and having been recommended for promotion by the examining board and found physically qualified by a board of medical officers of the Navy.]

[Such officers shall thereafter be required to perform engineering duties only, and shall be eligible for advancement to the higher grades in the manner herein provided for line officers assigned to engineering duty only.—Act August 29, 1916.]

SEC. 2. That engineer officers holding the relative rank of captain, commander, and lieutenant-commander shall take rank in the line of the Navy according to the dates at which they attained such relative rank. Engineer officers graduated from the Naval Academy from eighteen hundred and sixty-eight to eighteen hundred and seventy-six, both years inclusive, shall take rank in the line next after officers in the line who graduated from the Naval Academy in the same year with them: *Provided*, That when the date of a line officer's commission as captain, commander, or lieutenant-commander and the date when the engineer officer attained the same relative rank of captain, commander, or lieutenant-commander are the same, the engineer officer shall take rank after such line officer.

SEC. 3. That engineer officers who completed their Naval Academy course of four years from eighteen hundred and seventy-eight to eighteen hundred and eighty, both inclusive, shall take rank in the line as determined by the Academic Board under the Department's instructions of December first, eighteen hundred and ninety-seven; and engineer officers who completed their Naval Academy course of four years in eighteen hundred and eighty-one and eighteen hundred and eighty-two shall take rank in the line as determined by the merit roll of graduating classes at the conclusion of the six years' course, June, eighteen hundred and eighty-three and eighteen hundred and eighty-four: *Provided*, That those engineer officers who were appointed from civil life, and whose status is not fixed by section two of this act, shall take rank with other line officers according to the dates of their first commissions, respectively: *And provided further*, That the engineer officers who completed their

1881-82.

Appointments
from civil life.

Naval Academy course of four years in eighteen hundred and eighty-one and eighteen hundred and eighty-two shall retain among themselves the same relative standing as shown on the Navy Register at the date of the passage of this act.

SEC. 4. That engineer officers transferred to the line who are below the rank of commander, and extending down to, but not including, the first engineer who entered the Naval Academy as cadet midshipman, shall perform sea or shore duty, and such duty shall be such as is performed by engineers in the Navy: *Provided*, That any officer described in this section may, upon his own application, made within six months after the passage of this act, be assigned to the general duties of the line, if he pass the examination now provided by law as preliminary to promotion to the grade he then holds, failure to pass not to displace such officer from the list of officers for sea or shore duty such as is performed by engineers in the Navy. Duties of engineer officers.

SEC. 5. That engineer officers transferred to the line to perform engineer duty only who rank as, or above, commander, or who subsequently attain such rank, shall perform shore duty only. Shore duty only.

[ADDITIONAL NUMBERS IN GRADE.—That officers on the active list of the line of the United States Navy who, under authority of law, now perform engineering duty on shore only are hereby made additional to the numbers in the grades in which they are now serving, and shall be carried as additional to the numbers of each grade to which they may hereafter be promoted: *Provided*, That said officers shall be entitled to all the benefits of retirement under existing or future laws equally with other officers of like rank and service.—Act March 4, 1911.

[NOT RESTRICTED TO ENGINEERING DUTY ONLY.—That officers who now perform engineering duty on shore only and officers of the Construction Corps shall be eligible for any shore duty compatible with their rank and grade to which the Secretary of the Navy may assign them.—Act June 30, 1914. See also Act March 3, 1915.]

[SELECTION FOR PROMOTION TO GRADES OF REAR-ADMIRAL, CAPTAIN, AND COMMANDER.—That the recommendation of the board in the case of officers of the former Engineer Corps who are restricted by law to the performance of shore duty only and in that of officers who may hereafter be assigned to engineering duty only shall be based upon their comparative fitness for the duties prescribed for them by law. Upon promotion they shall be carried as additional numbers in grade. * * *

[The report of the board shall be in writing signed by all of the members and shall certify that the board has carefully considered the case of every officer eligible for consideration under the provisions of this law, and that in the opinion of at least six of the members, the officers therein recommended are the best fitted of all those under

consideration to assume the duties of the next higher grade, except that the recommendation of the board in the case of officers of the former Engineer Corps who are restricted by law to the performance of shore duty only, and in that of officers who may hereafter be assigned to engineering duty only, shall be based upon their comparative fitness for the duties prescribed for them by law. * * *

[On and after June thirtieth, nineteen hundred and twenty, no captain, commander, or lieutenant commander shall be promoted unless he has had not less than two years' actual sea service on sea-going ships in the grade in which serving or who is more than fifty-six, fifty, or forty-five years of age, respectively: *Provided*, That the qualification of sea service shall not apply to officers restricted to the performance of engineering duty only.— Act August 29, 1916.]

Other engineer officers to perform line duties.

SEC. 6. That all engineer officers not provided for in sections four and five transferred to the line shall perform the duties now performed by line officers of the same grade: *Provided*, That after a period of two years subsequent to the passage of this act they shall be required to pass the examination now required by law as preliminary to promotion to the grade they then hold, and subject to existing law governing examinations for promotion.

Memo: See increase in numbers. Act Mar. 3, 1903.

SEC. 7. That the active list of the line of the Navy, as constituted by section one of this act, shall be composed of eighteen rear-admirals, seventy captains, one hundred and twelve commanders, one hundred and seventy lieutenant-commanders, three hundred lieutenants, and not more than a total of three hundred and fifty lieutenants (junior grade) and ensigns: *Provided*, That each rear-admiral embraced in the nine lower numbers of that grade shall receive the same pay and allowance as are now allowed a brigadier-general in the Army. Officers, after performing three years' service in the grade of ensign, shall, after passing the examinations now required by law, be eligible to promotion to the grade of lieutenant (junior grade): *Provided*, That when the office of chief of bureau is filled by an officer below the rank of rear-admiral, said officer shall, while holding said office, have the rank of rear-admiral and receive the same pay and allowance as are now allowed a brigadier-general in the Army: *And provided further*, That nothing contained in this section shall be construed to prevent the retirement of officers who now have the rank or relative rank of commodore with the rank and pay of that grade: *And provided further*, That all sections of the Revised Statutes which, in defining the rank of officers or positions in the Navy, contain the words "the relative rank of" are hereby amended so as to read "the rank of," but officers whose rank is so defined shall not be entitled, in virtue of their rank to command in the line or in other

Rear-admiral, nine lower.

Memo: See increase in pay. Act May 13, 1906.

Chief of bureau.

Commodore.

staff corps. Neither shall this act be construed as changing the titles of officers in the staff corps of the Navy. No appointments shall be made of civil engineers in the Navy on the active list under section fourteen hundred and thirteen of the Revised Statutes in excess of the present number, twenty-one.¹

Civil engineers.

[ADMIRAL OF THE NAVY.—The President is hereby authorized to appoint, by selection and promotion, an Admiral of the Navy, who shall not be placed upon the retired list except upon his own application; and whenever such office shall be vacated by death or otherwise the office shall cease to exist.—Act March 3, 1899.]

[GRADES OF ADMIRAL AND VICE ADMIRAL REESTABLISHED.—That the President be, and he is hereby, further authorized to designate six officers of the Navy for the command of fleets or subdivisions thereof and, after being so designated from the date of assuming such command until relinquishing thereof, not more than three of such officers shall each have the rank and pay of an admiral, and the others shall each have the rank and pay of a vice admiral; and the grades of admiral and vice admiral are hereby authorized and continued for the purpose of this Act: *Provided*, That in time of war the selections under the provisions of this section shall be made from the grades of rear admiral or captain on the active list of the Navy: *Provided further*, That the pay of an admiral shall be \$10,000 and the pay of a vice admiral \$9,000 per annum: *Provided further*, That in time of peace officers for the command of fleets and subdivisions thereof, as herein authorized, shall be designated from among the rear admirals on the active list of the Navy: *Provided further*, That nothing herein contained shall create any vacancy in any grade in the Navy or increase the total number of officers authorized by law: *Provided further*, That when an officer with the rank of admiral or vice admiral is detached from the command of a fleet or subdivision thereof, as herein authorized, he shall return to his regular rank in the list of officers of the Navy and shall thereafter receive only the pay and allowances of such rank: *And provided further*, That nothing in this Act shall be held or construed as amending or repealing the provisions of sections fourteen hundred and thirty-four, fourteen hundred and sixty-three, and fourteen hundred and sixty-four of the Revised Statutes of the United States.

That the provision in the Act approved March third, nineteen hundred and fifteen, for the designation of commanders in chief of certain fleets with the rank of admiral and for the designation of officers second in command of such fleets with the rank of vice admiral be, and the same is hereby, repealed.—Act May 22, 1917.]

[RANK OF ADMIRAL FOR CHIEF OF NAVAL OPERATIONS.—Hereafter the Chief of Naval Operations, while so serving as such Chief of Naval Operations, shall have the

rank and title of admiral, to take rank next after The Admiral of the Navy, and shall, while so serving as Chief of Naval Operations, receive the pay of \$10,000 per annum and no allowances.—Act August 29, 1916.]

[That hereafter the Chief of Naval Operations shall receive the allowances which are now or may hereafter be prescribed by or in pursuance of law for the grade of general in the Army, and the officers of the Navy holding the rank and title of Admiral and Vice Admiral in the Navy while holding such rank and title shall receive the allowances of a General and Lieutenant General of the Army, respectively.—Act July 1, 1918.]

[INCREASE IN NUMBER OF LINE OFFICERS.—The grades of the active list of the Navy hereinafter designated shall be so increased that there shall be thirty additional lieutenant-commanders, in all two hundred; fifty additional lieutenants, in all three hundred and fifty; such total numbers of lieutenants (junior grade) and ensigns as may qualify for said grades under existing law and the provisions of this Act: * * *

[The increase in the grades of lieutenant-commander and lieutenant provided for in this act shall be filled by promotion each year of not exceeding twenty-five per centum of the total number of the increase in each of said grades.—Act March 3, 1903.]

[SAME.—Hereafter the total number of commissioned officers of the active list of the line of the Navy, exclusive of commissioned warrant officers, shall be four per centum of the total authorized enlisted strength of the active list, exclusive of the Hospital Corps, prisoners undergoing sentence of discharge, enlisted men detailed for duty with the Naval Militia, and the Flying Corps: *Provided*, That the total number of commissioned line officers on the active list at any one time, exclusive of commissioned warrant officers, shall be distributed in the proportion of one of the grade of rear admiral to four in the grade of captain, to seven in the grade of commander, to fourteen in the grade of lieutenant commander, to thirty-two and one-half in the grade of lieutenant, to forty-one and one-half in the grades of lieutenant (junior grade) and ensign, inclusive: *Provided further*, That lieutenants (junior grade) shall have had not less than three years' service in that grade before being eligible for promotion to the grade of lieutenant. * * *

[*Provided further*, That the increase in the number of captains herein authorized shall be made at the rate of not more than ten captains in any one year.—Act August 29, 1916.]

[RULES FOR COMPUTING NUMBER OF LINE OFFICERS.—That to determine the authorized number of officers in the various grades and ranks of the line and of the staff corps as herein provided, computations shall be made by the Secretary of the Navy semiannually, as of July first and January first of each year, and the resulting numbers

in the various grades and ranks, as so computed, shall be held and considered for all purposes as the authorized number of officers in such various grades and ranks and shall not be varied between such dates. * * *

[When there is an odd number of officers in the grade or rank of rear admiral in the line or in each corps, the lower division thereof shall include the excess in number except where there is but one.

[Whenever a final fraction occurs in computing the authorized number of any corps, grade or rank in the naval service, the nearest whole number shall be regarded as the authorized number: *Provided*, That at least one officer shall be allowed in each grade or rank.

[For the purpose of determining the authorized number of officers in any grade or rank of the line or of the staff corps, there shall be excluded from consideration those officers carried by law as additional numbers, including staff officers heretofore permanently commissioned with the rank of rear admiral.—Act August 29, 1916.]

[PROMOTION OF LINE OFFICERS BY SELECTION.—Hereafter all promotions to the grades of commander, captain, and rear admiral of the line of the Navy, including the promotion of those captains, commanders, and lieutenant commanders who are, or may be, carried on the Navy list as additional to the numbers of such grades, shall be by selection only from the next lower respective grade upon the recommendation of a board of naval officers as herein provided.

[The board shall consist of nine rear admirals on the active list of the line of the Navy not restricted by law to the performance of shore duty only, and shall be appointed by the Secretary of the Navy and convened during the month of December of each year and as soon after the first day of the month as practicable.

[Each member of said board shall swear, or affirm, that he will, without prejudice or partiality, and having in view solely the special fitness of officers and the efficiency of the naval service, perform the duties imposed upon him as herein provided.

[The board shall be furnished by the Secretary of the Navy with the number of vacancies in the grades of rear admiral, captain, and commander to be filled during the following calendar year, including the vacancies existing at the time of the convening of the board and those that will occur by operation of law from the date of convening until the end of the next calendar year, and with the names of all officers who are eligible for consideration for selection as herein authorized, together with the record of each officer: *Provided*, That any officer eligible for consideration shall have the right to forward through official channels at any time not later than ten days after the convening of said board a written communication inviting attention to any matter of record

in the Navy Department concerning himself which he deems important in the consideration of his case: *Provided*, That such communications shall not contain any reflection upon the character, conduct, or motives of or criticism of any officer: *Provided further*, That no captains, commanders, or lieutenant commanders who shall have had less than four years' service in the grade in which he is serving on November the thirtieth of the year of the convening of the board shall be eligible for consideration by the board: *Provided further*, That the recommendation of the board in the case of officers of the former Engineer Corps who are restricted by law to the performance of shore duty only and in that of officers who may hereafter be assigned to engineering duty only shall be based upon their comparative fitness for the duties prescribed for them by law. Upon promotion they shall be carried as additional numbers in grade.

[The board shall recommend for promotion a number of officers in each grade equal to the number of vacancies to be filled in the next higher grade during the following calendar year: *Provided*, That no officer shall be recommended for promotion unless he shall have received the recommendation of not less than six members of said board.

[The report of the board shall be in writing signed by all of the members and shall certify that the board has carefully considered the case of every officer eligible for consideration under the provisions of this law, and that in the opinion of at least six of the members, the officers therein recommended are the best fitted of all those under consideration to assume the duties of the next higher grade, except that the recommendation of the board in the case of officers of the former Engineer Corps who are restricted by law to the performance of shore duty only, and in that of officers who may hereafter be assigned to engineering duty only, shall be based upon their comparative fitness for the duties prescribed for them by law.

[The report of the board shall be submitted to the President for approval or disapproval. In case any officer or officers recommended by the board are not acceptable to the President, the board shall be informed of the name of such officer or officers, and shall recommend a number of officers equal to the number of those found not acceptable to the President and if necessary shall be reconvened for this purpose. When the report of the board shall have been approved by the President, the officers recommended therein shall be deemed eligible for selection, and if promoted shall take rank with one another in accordance with their seniority in the grade from which promoted: *Provided*, That any officers so selected shall prior to promotion be subject in all respects to the examinations prescribed by law for officers promoted by seniority, and in case of failure to pass the required professional examination such officer shall there-

after be ineligible for selection and promotion. And should any such officer fail to pass the required physical examination he shall not be considered, in the event of retirement, entitled to the rank of the next higher grade.

[On and after June thirtieth, nineteen hundred and twenty, no captain, commander, or lieutenant commander shall be promoted unless he has had not less than two years' actual sea service on sea-going ships in the grade in which serving or who is more than fifty-six, fifty, or forty-five years of age, respectively: *Provided*, That in exceptional cases where officers are specifically designated during the war or national emergency declared by the President by the Secretary of the Navy as performing, or as having performed, such highly important duties on shore that their services can not be or could not have been spared from such assignment without serious prejudice to the successful prosecution of the war, the qualification of sea service in the cases of those officers so specifically designated shall not apply while the United States is at war, or during a national emergency declared by the President, or within two and one-half years subsequent to the ending of such war or national emergency: *Provided*, That the qualification of sea service shall not apply to officers restricted to the performance of engineering duty only.—Acts August 29, 1916, July 1, 1918.]

[PROMOTION OF STAFF OFFICERS BY SELECTION.—The provisions of existing laws with reference to promotion by selection in the line of the Navy are hereby extended to include and authorize advancement to the ranks of commander, captain, and rear admiral in the Staff Corps of the Navy under the same conditions in all respects except as may be necessary to adapt the said provisions to such Staff Corps: *Provided*, That boards of selection shall in each case be composed, when practicable, of not less than five members of the corps concerned and promotions shall be made on the basis of fitness alone by selection from among the officers of the rank next below: *Provided further*, That the requirements for sea service in grade, length of service in grade and maximum age in grade for promotion shall not apply.—Act July 1, 1918.]

[NUMBER AND RANK OF STAFF OFFICERS.—The total authorized number of commissioned officers of the active list of the following staff corps, exclusive of commissioned warrant officers, shall be based on percentages of the total number of commissioned officers of the active list of the line of the Navy as follows:

[Pay Corps, twelve per centum; Construction Corps, five per centum; Corps of Civil Engineers, two per centum; and that the total authorized number of commissioned officers of the Medical Corps shall be sixty-five one hundredths of one per centum of the total authorized number of the officers and enlisted men of the

Navy and Marine Corps, including midshipmen, Hospital Corps, prisoners undergoing sentence of discharge, enlisted men detailed for duty with the Naval Militia, and the Flying Corps. * * *

[The total number of commissioned officers of the active list of the following mentioned staff corps at any one time, exclusive of commissioned warrant officers, shall be distributed in the various grades of the respective corps as follows:

[Medical Corps: One-half medical directors with the rank of rear admiral to four medical directors with the rank of captain, to eight medical inspectors with rank of commander, to eighty-seven and one-half in the grades below medical inspector: *Provided*, That hereafter appointees to the grade of assistant surgeon shall be between the ages of twenty-one and thirty-two at the time of appointment.

[Pay Corps: One-half pay directors with the rank of rear admiral to four pay directors with the rank of captain, to eight pay inspectors with the rank of commander, to eighty-seven and one-half in the grades below pay inspector.

[Construction Corps: One-half naval constructors with the rank of rear admiral to eight and one-half naval constructors with the rank of captain, to fourteen naval constructors with the rank of commander, to seventy-seven naval constructors and assistant naval constructors with rank below commander: *Provided*, That vacancies in the Construction Corps shall be filled in the manner now prescribed by law, at such annual rate as the Secretary of the Navy may prescribe: *Provided further*, That hereafter ensigns of not less than one year's service as such shall be eligible for transfer to the Construction Corps.

[Corps of Civil Engineers: One-half civil engineers with the rank of rear admiral to five and one-half civil engineers with the rank of captain, to fourteen civil engineers with the rank of commander, to eighty civil engineers and assistant civil engineers with the rank below commander.

[Hereafter no further appointments shall be made to the Corps of Professors of Mathematics, and that corps shall cease to exist upon the death, resignation, or dismissal of the officers now carried in that corps on the active and retired list of the Navy. * * * *Provided*, That officers shall take rank in each staff corps according to the dates of commission in the several grades, excepting in cases where they have gained or lost numbers. * * *

[Hereafter the authorized number of surgeons in the United States Navy be, and it is hereby, increased by one; and that hereafter the Secretary of the Navy be, and he is hereby, authorized to detail one or more officers of the Medical Corps of the United States Navy for duty

with the Military Relief Division of the American National Red Cross.—Act August 29, 1916.]

[That nothing contained in the Act of August twenty-ninth, nineteen hundred and sixteen, shall operate to disturb the relative position of officers in the Medical Corps with reference to precedence or promotion, but all such officers otherwise qualified shall be advanced in rank with or ahead of officers in said corps who were their juniors on the date of said Act.—Act May 22, 1917.]

[CORPS OF CHAPLAINS.—The grade of acting chaplain in the Navy is hereby authorized and created, and hereafter original appointments shall be made by the Secretary of the Navy, not to exceed the number hereinafter provided, in the grade of acting chaplains in the Navy after such examination as may be prescribed by the Secretary of the Navy, and while so serving acting chaplains shall have the rank, pay, and allowances of lieutenant, junior grade, in the Navy. After three years' sea service on board ship each acting chaplain before receiving a commission in the Navy shall establish to the satisfaction of the Secretary of the Navy by examination by a board of chaplains and medical officers of the Navy his physical, mental, moral, and professional fitness to perform the duties of chaplain in the Navy, and if found so qualified, shall be commissioned a chaplain in the Navy with the rank of lieutenant, junior grade. If any acting chaplain shall fail on the examinations herein prescribed he shall be honorably discharged from the naval service, and the appointment of any acting chaplain may be revoked at any time in the discretion of the Secretary of the Navy.

[Hereafter the total number of chaplains and acting chaplains in the Navy shall be one to each twelve hundred and fifty of the total personnel of the Navy and Marine Corps as fixed by law, including midshipmen, apprentice seamen, and naval prisoners, and of the total number of chaplains and acting chaplains herein authorized ten per centum thereof shall have the rank of captain in the Navy, twenty per centum the rank of commander, twenty per centum the rank of lieutenant commander, and the remainder to have the rank of lieutenants and lieutenants, junior grade.

[Naval chaplains hereafter commissioned from acting chaplains shall have the rank, pay, and allowances of lieutenants, junior grade, in the Navy until they shall have completed four years' service in that grade, when, subject to examination as above prescribed, they shall have the rank, pay, and allowances of lieutenant in the Navy, and chaplains with the rank of lieutenant shall have at least four years' service in that grade before promotion to the grade of lieutenant commander, after which service, chaplains shall be promoted as vacancies occur to the grades of lieutenant commander, commander, and captain: *Provided*, That not more than seven acting chap-

lains shall be commissioned chaplains in any one year: *And provided further*, That no provision of this section shall operate to reduce the rank, pay, or allowances that would have been received by any person in the Navy except for the passage of this section, and that all laws or parts of laws inconsistent with the provisions of this section be, and the same are hereby, repealed.—Act June 30, 1916.]

[NAVAL DENTAL CORPS.—That the Act approved August twenty-ninth, nineteen hundred and sixteen, entitled “An Act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and seventeen, and for other purposes” (Statutes at Large, volume thirty-nine, chapter four hundred and seventeen, pages five hundred and seventy-three and five hundred and seventy-four), be, and the same is hereby, amended by striking out all of said Act following the caption “Naval Dental Corps” on page five hundred and seventy-three, but preceding the caption “Dental Reserve Corps”, on page five hundred and seventy-four, and by substituting therefor the following:

[“That the President of the United States is hereby authorized to appoint and commission, by and with the advice and consent of the Senate, dental officers in the Navy at the rate of one for each thousand of the total authorized number of officers and enlisted men of the Navy and Marine Corps, in the grades of assistant dental surgeon, passed assistant dental surgeon and dental surgeon, who shall constitute the Naval Dental Corps, and shall be a part of the Medical Department of the Navy. Original appointments to the Naval Dental Corps shall be made in the grade of assistant dental surgeon with the rank of lieutenant (junior grade), and all dental officers now in the Dental Corps appointed under the provisions of the Act of Congress approved August twenty-second, nineteen hundred and twelve (Statutes at Large, volume thirty-seven, page three hundred and forty-five), or under the provisions of the Act of Congress approved August twenty-ninth, nineteen hundred and sixteen (Statutes at Large, volume thirty-nine, page five hundred and seventy-three), or who may hereafter be appointed, shall take rank and precedence with officers of the Naval Medical Corps of the same rank according to the dates of their respective commissions or original appointments, and all such dental officers shall be eligible for advancement in grade and rank in the same manner and under the same conditions as officers of the Naval Medical Corps with or next after whom they take precedence, and shall receive the same pay and allowances as officers of corresponding rank and length of service in the Naval Medical Corps up to and including the rank of lieutenant commander: *Provided*, That dental surgeons shall be eligible for advancement in pay and allowances, but not in rank, to and including the pay and allowances of commander and cap-

tain, subject to such examinations as the Secretary of the Navy may prescribe, except that the number of dental surgeons with the pay and allowances of captain shall not exceed four and one-half per centum and the number of dental surgeons with the pay and allowances of commander shall not exceed eight per centum of the total authorized number of dental officers: *Provided further*, That dental surgeons shall be eligible for advancement to the pay and allowances of commander and captain when their total active service as dental officers in the Navy is such that if rendered as officers of the Naval Medical Corps, it would place them in the list of medical officers with the pay and allowances of commander or captain, as the case may be: *And provided further*, That dental officers who shall have gained or lost numbers on the Navy list shall be considered to have gained or lost service accordingly; and the time served by dental officers on active duty as acting assistant dental surgeons and assistant dental surgeons under provisions of law existing prior to the passage of this Act shall be reckoned in computing the increased service pay and service for precedence and promotion of dental officers herein authorized or heretofore appointed.

["All appointees authorized by this Act shall be citizens of the United States between twenty-one and thirty-two years of age, and shall be graduates of standard medical or dental colleges and trained in the several branches of dentistry, and shall, before appointment, have successfully passed mental, moral, physical, and professional examinations before medical and professional examining boards appointed by the Secretary of the Navy, and have been recommended for appointment by such boards: *Provided*, That hereafter no person shall be appointed as assistant dental surgeon in the Navy who is not a graduate of a standard medical or dental college.

["Officers of the Naval Dental Corps shall become eligible for retirement in the same manner and under the same conditions as now prescribed by law for officers of the Naval Medical Corps, except that section fourteen hundred and forty-five of the Revised Statutes of the United States shall not be applicable to dental officers, and they shall not be entitled to rank above lieutenant commander on the retired list, or to retired pay above that of captain.

["All dental officers now serving under probationary appointments shall become immediately eligible for permanent appointment under the provisions of this Act, subject to the examinations prescribed by the Secretary of the Navy for original appointment as dental officers, and may be appointed assistant dental surgeon with the rank of lieutenant (junior grade) to rank from the date of their probationary appointments: *Provided*, That the senior dental officer now at the United States Naval Academy shall not be displaced by the provisions of this Act, and he shall hereafter have the grade of dental sur-

geon and the rank, pay, and allowances of lieutenant commander, and he shall not be eligible for retirement before he has reached the age of seventy years, except for physical disability incurred in the line of duty: *Provided further*, That no dental officer in the Navy who on original appointment as dental officer was over forty years of age shall be eligible for retirement before he has reached the age of seventy years, except for physical disability incurred in line of duty.

[“All Acts or parts of Acts inconsistent with the provisions of this Act relating to the Dental Corps of the Navy are hereby repealed: *Provided*, That nothing herein contained shall be construed to legislate out of the service any officer now in the Medical Department of the Navy or to reduce the rank, pay, or allowances now authorized by law for any officer of the Navy.”—Act July 1, 1918.]

[NAVAL FLYING CORPS.—The Naval Flying Corps shall be composed of one hundred and fifty officers and three hundred and fifty enlisted men, detailed, appointed, commissioned, enlisted, and distributed in the various grades, ranks, and ratings of the Navy and Marine Corps as hereafter provided. The said number of officers, student flyers, and enlisted men shall be in addition to the total number of officers and enlisted men which is now or may hereafter be provided by law for the other branches of the naval service.

[The number of officers detailed to duty in aircraft involving actual flying in any one year shall be in accordance with the requirements of the Air Service as determined by the Secretary of the Navy: *Provided*, That the officers so detailed from the line of the Navy and from the Marine Corps shall not exceed the total number herein prescribed for the Naval Flying Corps: *Provided further*, That the proportion of line officers of the Navy and of the Marine Corps thus detailed shall be the same as the proportion established for the regular services: *And provided further*, That the student flyers hereinafter provided for shall be in addition to the officers and enlisted men comprising the Naval Flying Corps.

[The officers detailed and the enlisted men of the Naval Flying Corps shall receive the same pay and allowances that are now provided by law for officers and enlisted men of the same grade or rank and rating in the Navy and Marine Corps detailed to duty with aircraft involving actual flying.

[The Secretary of the Navy is hereby authorized to appoint annually in the line of the Navy and the Marine Corps for a period of two years following the passage of this Act, in order of merit as determined by such competitive examinations as he may prescribe, fifteen acting ensigns or acting second lieutenants for the performance of aeronautic duties only. Persons so appointed must be citizens of the United States, and may be appointed from warrant officers or enlisted men of the naval service

or from civil life, and must, at the time of appointment, be not less than eighteen or more than twenty-four years of age: *Provided*, That no person shall be so appointed until he has been found physically qualified by a board of medical officers of the Navy for the performance of the duties required: *Provided further*, That the number of such appointments to the line of the Navy and of the Marine Corps shall be in the proportion decided for the regular services. Such appointments shall be for a probationary period of three years and may be revoked at any time by the Secretary of the Navy.

[Such acting ensigns and acting second lieutenants shall be detailed to duty in the Naval Flying Corps in aircraft involving actual flying.

[Such acting ensigns of the Navy and acting second lieutenants of the Marine Corps shall, upon completion of the probationary period of three years, be appointed acting lieutenants of the junior grade, or acting first lieutenants, respectively, by the Secretary of the Navy for the performance of aeronautic duties only after satisfactorily passing such examinations as he may prescribe, and after having been recommended for promotion by the examining board and found physically qualified by a board of medical officers of the Navy. Such appointments shall be for a probationary period of four years and may be revoked at any time by the Secretary of the Navy.

[Such acting lieutenants (junior grade) and acting first lieutenants may elect to qualify for aeronautic duty only or to qualify for all the duties of officers of the same grade in the Navy and in the Marine Corps, respectively. Those officers who elect to qualify for aeronautic duty only shall be detailed to duty in the Naval Flying Corps involving actual flying in aircraft. Those officers who elect to qualify for the regular duties of their grade shall be detailed to duty in the regular service for at least two years to allow them to prepare for such qualification.

[Such acting lieutenants (junior grade) and acting first lieutenants who have elected to qualify for aeronautic duty only shall, upon completion of the probationary period of four years, be commissioned in the grade of lieutenant of the line of the Navy or captain of the Marine Corps for aeronautic duties only, after satisfactorily passing such competitive examination as may be prescribed by the Secretary of the Navy to determine their moral, physical, and professional qualifications for such commissions and the order of rank in which they shall be commissioned. Such lieutenants for aeronautic duty only shall be borne on the list as extra numbers, taking rank with and next after officers of the same date commission.

[Such acting lieutenants (junior grade) and acting first lieutenants who have elected to qualify for the regular duties of the line of the Navy and of the Marine Corps, respectively, shall, upon completion of the probationary period of four years, two years of which shall have been on such regular duties, be commissioned in the grade of the line of the Navy or Marine Corps according to his length of service, after passing satisfactorily such competitive examinations as may be prescribed by the Secretary of the Navy to determine their moral, physical, and professional qualifications for such commissions and to determine the order of rank in which they shall be commissioned. Such officers of the line of the Navy and Marine Corps will be borne upon the lists of their respective corps as extra numbers, taking rank with and next after officers of the regular services of the same date of commissions.

[Acting lieutenants (junior grade) of the line of the Navy for aeronautic duties only and acting first lieutenants of the Marine Corps for aeronautic duty only who have completed the probationary period of four years may, upon examination for commissions to the next higher grade, if recommended by the board of examination, be transferred to the Naval Reserve Flying Corps and commissioned in the same grade or the next higher grade as may be recommended in accordance with their qualifications as determined by the examination: *Provided*, That at any time during such probationary period any such officer can, upon his own request, if his record warrants it, be transferred to the Naval Reserve Flying Corps and commissioned in the acting grade he then holds. Any officer of the Naval Flying Corps holding an appointment of student flyer or acting ensign, second lieutenant, lieutenant (junior grade), or first lieutenant, who, upon examination for promotion, is found not qualified shall, if not recommended by the examining board for transfer to the Naval Reserve Flying Corps, be honorably discharged from the naval service.

[Officers commissioned for aeronautic duty only shall be eligible for advancement to the higher grades, not above captain in the Navy or colonel in the Marine Corps, in the same manner as other officers whose employment is not so restricted, except that they shall be eligible to promotion without restriction as to sea duty, and their professional examinations shall be restricted to the duty to which personally assigned: *Provided*, That any such officer must serve at least three years in any grade before being eligible to promotion to the next higher grade.

[Nothing in this Act shall be so construed as to prevent the detail of officers and enlisted men of other branches of the Navy as student aviators or student airmen in such numbers as the needs of the service may require.

[Such officers and enlisted men, while detailed as student aviators and student airmen involving actually flying in aircraft, shall receive the same pay and allowances that are now provided by law for officers and enlisted men of the same grade or rank and rating in the Navy detailed for duty with aircraft.

[The Secretary of the Navy is hereby authorized to appoint annually for a period of four years, from enlisted men of the naval service, or from citizens of the United States in civil life, not to exceed thirty student flyers for instruction and training in aeronautics who shall receive the same pay and allowances as midshipmen at the United States Naval Academy: *Provided*, That persons so appointed must, at the time of appointment, be not less than seventeen or more than twenty-one years of age: *Provided further*, That no person shall be appointed a student flyer until he shall have qualified therefor by such examination as may be prescribed by the Secretary of the Navy.

[The appointment of student flyers shall continue in force for two years, unless sooner revoked by the Secretary of the Navy, in his discretion, and at the end of such period student flyers shall be examined for qualification as qualified aviators: *Provided*, That if such student flyers are not qualified, their appointment will be revoked, or, if recommended by the examining board, they shall be transferred to the Naval Reserve Flying Corps and commissioned as ensigns therein.

[Student flyers shall, after receiving a certificate of qualification as an aviator for actual flying in aircraft, rank with midshipmen, and shall receive the same pay and allowances as midshipmen, plus fifty per centum thereof: *Provided*, That student flyers who have qualified as aviators under the provisions of the Act shall be commissioned acting ensigns for aeronautic duties only, after three years' service: *Provided further*, That they shall have been examined by a board of officers of the Naval Flying Corps to determine by a competitive examination prescribed by the Secretary of the Navy their moral, physical, and professional fitness and the order of rank in which they shall be commissioned: *And provided further*, That any student flyer qualified as an aviator may at any time, in the discretion of the Secretary of the Navy, if his record warrants it, at his own request, be transferred to the Naval Reserve Flying Corps and be commissioned as ensign therein: *And provided further*, That student flyers not considered qualified for commissions as acting ensigns for aeronautic duties only may, upon recommendation of the examining board, be transferred to the Naval Reserve Flying Corps and be commissioned as ensigns therein.

[The Secretary of the Navy is hereby authorized to establish aeronautic schools for the instruction and training of student flyers and prescribe the course of instruc-

tion and qualifications for certificate of graduation as a qualified aviator.

[Nothing in this or any other Act shall be so construed as to prevent the temporary detail of officers and enlisted men of any branch of the Navy for duty with aircraft.

[In the event of the death of an officer or enlisted man, or student flyer of the Naval Flying Corps from wounds or disease, the result of an aviation accident, not the result of his own misconduct, received while engaged in actual flying in or in handling aircraft, the gratuity to be paid under the provisions of the Act approved August twenty-second, nineteen hundred and twelve, entitled "An Act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and thirteen, and for other purposes," shall be an amount equal to one year's pay at the rate received by such officer or enlisted man or student flyer at the time of the accident resulting in his death. In all cases where an officer or enlisted man or student flyer of the Navy or Marine Corps dies, or where a student flyer or an enlisted man of the Navy or Marine Corps is disabled by reason of any injury received or disease contracted in line of duty, the result of an aviation accident, received while employed in actual flying in or in handling aircraft, the amount of pension allowed shall be double that authorized to be paid should death or the disability have occurred by reason of an injury received or disease contracted in line of duty not the result of an aviation accident.

[Student flyers and the acting ensigns and acting lieutenants (junior grade) and acting second and first lieutenants for aeronautic duties only provided for herein shall be subject to the laws and regulations and orders for the government of the Navy, but shall not be entitled to retirement or retired pay.

[The enlisted personnel of the Naval Flying Corps shall be distributed by the Secretary of the Navy in the various ratings as now obtain in the Navy in so far as such ratings are applicable to duties connected with aircraft.

[Within the first two years after the approval of this Act enlisted men may be transferred from other branches of the Naval Service to the Naval Flying Corps, under regulations established by the Secretary of the Navy governing such transfer and the qualifications for this corps: *Provided*, That the number so transferred shall not exceed one-half the total number of enlisted men allowed by this Act.

[The Secretary of the Navy shall establish regulations governing the term of enlistment, the qualifications, and advancement of the enlisted men of the Flying Corps.

[Any enlisted man who passes satisfactorily the prescribed examination and is recommended by a board of

officers may be appointed a student flyer as herein provided.—Act August 29, 1916.]

[HOSPITAL CORPS.—Hereafter the authorized strength of the Hospital Corps of the Navy shall equal three and one-half per centum of the authorized enlisted strength of the Navy and Marine Corps, and shall be in addition thereto, and as soon as the necessary transfers or appointments may be effected the Hospital Corps of the United States Navy shall consist of the following grades and ratings: Chief pharmacists, pharmacists, and enlisted men classified as chief pharmacists' mates; pharmacists' mates, first class; pharmacists' mates, second class; pharmacists' mates, third class; hospital apprentices, first class; and hospital apprentices, second class; such classifications in enlisted ratings to correspond respectively to the enlisted ratings, seamen branch, of chief petty officers; petty officers, first class; petty officers, second class; petty officers, third class; seamen, first class; and seamen, second class: *Provided*, That enlisted men of other ratings in the Navy and in the Marine Corps shall be eligible for transfer to the Hospital Corps, and men of that corps to other ratings in the Navy and the Marine Corps.

[The President may hereafter, from time to time, appoint as many pharmacists as may be deemed necessary, from the rating of chief pharmacist's mate, subject to such moral, physical, and professional examinations and requirements as to length of service as the Secretary of the Navy may prescribe: *Provided*, That the pharmacists now in the Hospital Corps of the United States Navy or hereafter appointed therein in accordance with the provisions of this Act shall have the same rank, pay, and allowances as are now or may hereafter be allowed other warrant officers.

[Pharmacists shall, after six years from the date of warrant, be commissioned chief pharmacists after passing satisfactorily such examinations as the Secretary of the Navy may prescribe, and shall, when so commissioned, have the same rank, pay, and allowances as now or may hereafter be allowed other commissioned warrant officers: *Provided*, That the pharmacists at present in the service who have served or may hereafter serve six or more years in that grade shall be eligible for promotion to the grade of chief pharmacist upon satisfactorily passing the examinations provided for in this Act.

[The Secretary of the Navy is hereby empowered to limit and fix the numbers in the various ratings.

[Section three of an Act entitled "An Act to organize a Hospital Corps of the Navy of the United States; to define its duties and regulate its pay," approved June seventeenth, eighteen hundred and ninety-eight, be, and the same is hereby, repealed, and the pay, allowances, and emoluments of the enlisted men of the Hospital Corps shall be the same as are now, or may hereafter be,

allowed for respective corresponding ratings, except the rating of turret captain of the first class in the seaman branch of the Navy: *Provided*, That the pay of the rating of the chief pharmacist's mate shall be the same as that now allowed for the existing rating of hospital steward.

[Hospital and ambulance service with such commands and at such places as may be prescribed by the Secretary of the Navy, shall be performed by members of said corps, and the corps shall be a constituent part of the Medical Department of the Navy; and the enlisted men thereof shall be a part of the enlisted force provided by law for the Navy.

[Officers and enlisted men of the Medical Department of the Navy, serving with a body of marines detached for service with the Army in accordance with the provisions of section sixteen hundred and twenty-one of the Revised Statutes, shall, while so serving, be subject to the rules and articles of war prescribed for the government of the Army in the same manner as the officers and men of the Marine Corps while so serving.—Act August 29, 1916.]

[MEDICAL RESERVE CORPS.—That a Medical Reserve Corps, to be a constituent part of the Medical Department of the Navy, is hereby established under the same provisions, in all respects (except as may be necessary to adapt the said provisions to the Navy), as those providing a Medical Reserve Corps for the Army, and as set forth in the act to increase the efficiency of the Medical Department of the United States Army, approved April twenty-third, nineteen hundred and eight.—Act August 22, 1912.]

[DENTAL RESERVE CORPS.—That a Navy Dental Reserve Corps is hereby authorized to be organized and operated under the provisions of the Act approved August twenty-second, nineteen hundred and twelve, providing for the organization and operation of a Navy Medical Reserve Corps, and differing therefrom in no respect other than that the qualification requirements of the appointees shall be dental surgeons and graduates of reputable schools of medicine or dentistry instead of "reputable schools of medicine," and so many of said appointees may be ordered to temporary active service as the Secretary of the Navy may deem necessary to the health and efficiency of the personnel of the Navy and Marine Corps, provided the whole number of both Naval Dental Corps and Naval Dental Reserve Corps officers in active service shall not exceed in time of peace one to one thousand of the officers and enlisted men of the Navy and Marine Corps: *Provided*, That all officers now in the Navy Dental Reserve Corps shall be recommissioned in the Navy Dental Reserve Corps provided in this Act, in the order of their original appointment in said Corps, and hereafter when ordered to active duty officers of the Medical Reserve Corps and officers of the Dental Reserve Corps

shall receive promotion in rank in the respective Reserve Corps under the same relative conditions and provisions of active service as is provided in this Act for the Naval Dental Corps.—Act August 29, 1916.]

[RULES FOR COMPUTING NUMBER OF STAFF OFFICERS.— That to determine the authorized number of officers in the various grades and ranks of the line and of the staff corps as herein provided, computations shall be made by the Secretary of the Navy semiannually, as of July first and January first of each year, and the resulting numbers in the various grades and ranks, as so computed, shall be held and considered for all purposes as the authorized number of officers in such various grades and ranks and shall not be varied between such dates. * * *

[When there is an odd number of officers in the grade or rank of rear admiral in the line or in each corps, the lower division thereof shall include the excess in number, except where there is but one.

[Whenever a final fraction occurs in computing the authorized number of any corps, grade or rank in the naval service, the nearest whole number shall be regarded as the authorized number: *Provided*, That at least one officer shall be allowed in each grade or rank.

[For the purpose of determining the authorized number of officers in any grade or rank of the line or of the staff corps, there shall be excluded from consideration those officers carried by law as additional numbers, including staff officers heretofore permanently commissioned with the rank of rear admiral, and nothing contained herein shall be held to reduce below that heretofore authorized by law the number of officers in any grade or rank in the staff corps.—Act August 29, 1916.]

[ADVANCEMENT IN RANK OF STAFF OFFICERS.—Officers of the lower grades of the Medical Corps, Pay Corps, Construction Corps, and Corps of Civil Engineers shall be advanced in rank up to and including the rank of lieutenant commander with the officers of the line with whom or next after whom they take precedence under existing law: *Provided*, That all assistant surgeons shall from date of their original appointment take rank and precedence with lieutenants (junior grade).—Act August 29, 1916.]

[Hereafter all laws relating to the examination of officers of the Navy for promotion shall be construed to apply to the regular advancement of staff officers to higher ranks on the active list, the same as though such advancements in rank were promotions to higher grades: *Provided*, That nothing in this paragraph shall be construed as in any way affecting the original appointment of officers to the Dental Corps as provided in the Act approved August twenty-ninth, nineteen hundred and sixteen, making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and seventeen, and for other purposes, and the time

served by dental surgeons as acting or acting assistant dental surgeons shall be reckoned in computing the increased service pay and service for promotion of such as are commissioned under said Act.—Act March 4, 1917.]

[That hereafter all laws relating to the examination of officers of the Navy for promotion shall be construed to apply to the regular advancement of staff officers to higher ranks on the active list the same as though such advancements in rank were promotions to higher grades: *Provided*, That examinations for such staff officers shall not be required except for such regular advancements in rank: *Provided further*, That the President be, and he is hereby, authorized to direct the Secretary of the Navy to take such action on the records of proceedings of naval examining boards and boards of naval surgeons for the promotion of officers of the Navy as is now required by law to be taken by the President.—Act May 22, 1917.]

[RETIREMENT OF LINE AND STAFF OFFICERS.—When an officer of the Navy has been thirty years in the service, he may, upon his own application, in the discretion of the President, be retired from active service and placed upon the retired list with three-fourths of the highest pay of his grade.—Act May 13, 1908.]

[SAME.—That captains, commanders, and lieutenant commanders who become ineligible for promotion on account of age shall be retired on a percentage of pay equal to two and one-half per centum of their shore-duty pay for each year of service: *Provided further*, That the total retired pay shall not exceed seventy-five per centum of the shore-duty pay they were entitled to receive while on the active list.

[Except as herein otherwise provided, hereafter the age of retirement of all officers of the Navy shall be sixty-four years instead of sixty-two years as now prescribed by law.—Act August 29, 1916.]

[SAME—RETIREMENT WITH INCREASED RANK.—Hereafter, if any officer of the United States Navy shall fail in his physical examination for promotion and be found incapacitated for service by reason of physical disability contracted in the line of duty, he shall be retired with the rank to which his seniority entitled him to be promoted.—Act March 4, 1911.]

[SAME—RETIREMENT OF OFFICER SELECTED FOR PROMOTION.—That any officers so selected shall prior to promotion be subject in all respects to the examinations prescribed by law for officers promoted by seniority, and in case of failure to pass the required professional examination such officer shall thereafter be ineligible for selection and promotion. And should any such officer fail to pass the required physical examination he shall not be considered, in the event of retirement, entitled to the rank of the next higher grade.—Act August 29, 1916.]

[**SAME—ACTIVE DUTY.**—Hereafter any naval officer on the retired list may, with his consent, in the discretion of the Secretary of the Navy, be ordered to such duty as he may be able to perform at sea or on shore, and while so employed in time of peace shall receive the pay and allowances of an officer of the active list of the same rank: *Provided*, That no such retired officer so employed on active duty shall receive in time of peace, any greater pay and allowances than the pay and allowances which are now or may hereafter be provided by law for a lieutenant senior grade on the active list of like length of service: *And provided further*, That any such officer whose retired pay exceeds the highest pay and allowances of the grade of lieutenant senior grade, shall, while so employed in time of peace, receive his retired pay only, in lieu of all other pay and allowances.—Act August 22, 1912.]

[**SAME.**—No officer who, after having commanded a fleet in active commission, has been retired for age and whom, in the judgment of the Secretary of the Navy, the public interests make it necessary to retain for a time after said retirement and who is performing active duty as chairman of the executive committee of the General Board, shall, for the period so retained, suffer any reduction in the emoluments he was receiving at the time of his retirement: *Provided*, That hereafter any retired officer of the naval service who shall be detailed on active duty shall, while so serving, receive the active duty pay and allowances of the grade, not above that of lieutenant commander in the Navy or of major in the Marine Corps, that he would have attained in due course of promotion if he had remained on the active list for a period beyond the date of his retirement equal to the total amount of time during which he has been detailed on active duty since his retirement: *Provided*, That nothing herein shall be construed to reduce the pay of any retired officer on active duty whose retired pay exceeds the active duty pay and allowances for the grade of lieutenant commander.—Act August 29, 1916.]

[**RESTORATION TO ACTIVE LIST OF RETIRED OFFICERS.**—See note to section 9.]

[**PAY AND ALLOWANCES OF REAR ADMIRALS.**—Hereafter pay and allowances of officers in the upper half of the grade or rank of rear admiral, including the staff corps and including staff officers heretofore permanently commissioned with the rank of rear admiral, shall be that now allowed by law for the first nine rear admirals, and the pay and allowances of officers in the lower half of the grade or rank of rear admiral, including the staff corps, shall be that now allowed by law for the second nine rear admirals.—Act August 29, 1916.]

[**PROMOTION OF LIEUTENANTS (JUNIOR GRADE).**—That lieutenants (junior grade) shall have had not less than three years' service in that grade before being eligible for

promotion to the grade of lieutenant.—Act August 29, 1916.]

[PAY AND RETIREMENT OF CHIEFS OF BUREAUS.—That the pay and allowances of chief of bureaus in the Navy Department shall be the highest pay of the grade to which they belong, and not below that of rear admiral of the lower nine, * * * That any officer of the Navy who is now serving or shall hereafter serve as chief of a bureau in the Navy Department, and shall subsequently be retired, shall be retired with the rank, pay, and allowances authorized by law for the retirement of such bureau chief.—Act May 13, 1908.]

[SAME.—The pay and allowances of chiefs of bureaus of the Navy Department shall be the highest shore-duty pay and allowances of the rear admiral of the lower nine; and all officers of the Navy who are now serving or shall hereafter serve as chief of bureau in the Navy Department and are eligible for retirement after thirty years' service, shall have, while on the active list, the rank, title, and emoluments of a chief of bureau, in the same manner as is already provided by statute law for such officers upon retirement by reason of age or length of service, and such officers, after thirty years' service, shall be entitled to and shall receive new commissions in accordance with the rank and title hereby conferred.—Act June 24, 1910.]

[SAME.—That the portion of the act entitled "An act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and eleven, and for other purposes," approved June twenty-fourth, nineteen hundred and ten, which reads as follows:

["The pay and allowances of chiefs of bureaus of the Navy Department shall be the highest shore-duty pay and allowances of the rear admiral of the lower nine, and all officers of the Navy who are now serving or who shall hereafter serve as chief of bureau in the Navy Department, and are eligible for retirement after thirty years' service, shall have, while on the active list, the rank, title, and emoluments of a chief of bureau, in the same manner as is already provided by statute law for such officers upon retirement by reason of age or length of service, and such officers, after thirty years' service, shall be entitled to and shall receive new commissions in accordance with the rank and title hereby conferred," be, and the same is hereby, repealed: *Provided*, That no officer who has received his commission under the provisions of said act shall be deprived of said commission or the rank, title, and emoluments thereof by virtue of this repeal."—Act August 22, 1912.]

[SAME.—And hereafter chiefs of bureaus of the Navy Department, including the Judge Advocate General of the Navy, shall, while so serving, have corresponding rank and shall receive the same pay and allowances as are now or may hereafter be prescribed by or in pursu-

ance of law for chiefs of bureaus of the War Department and the Judge Advocate General of the Army.—Act July 1, 1918.]

[LINE OFFICERS DETAILED UNDER STAFF OFFICERS.—That line officers may be detailed for duty under staff officers in the manufacturing and repair departments of the navy-yards and naval stations, and all laws or parts of laws in conflict herewith are hereby repealed.—Act June 24, 1910.]

[PRECEDENCE, NAVAL RESERVE OFFICERS.—That when on active duty officers of the Naval Reserve Force shall take precedence among themselves and with other officers of the naval service in their respective grades or ranks according to the dates of their commissions or provisional assignment of rank in the Naval Reserve Force: *Provided*, That all officers of the Naval Reserve Force of and above the rank of lieutenant commander shall rank with but after officers of the same rank or grade in the United States Navy, except that in time of war or other national emergency such officers of the Naval Reserve Force shall have a date of precedence with officers of the United States Navy as of the date of general mobilization, to be established by the Secretary of the Navy.—Act of July 1, 1918.]

[CIVIL ENGINEER CORPS.—That the appointment of six additional civil engineers is hereby authorized, three to be appointed during the present calendar year, and the other three in the calendar year nineteen hundred and three.—Act July 1, 1902.]

[SAME.—The grades of the active list of the Navy hereinafter designated shall be so increased that there shall be * * * one additional civil engineer, in all twenty-eight; and twelve assistant civil engineers, of whom six shall have the rank of lieutenant (junior grade) and six the rank of ensign: *Provided*, That assistant civil engineers, during the first five years after date of appointment, shall receive, per annum, when on duty, one thousand five hundred dollars, when on leave or waiting orders, one thousand dollars; during the second five years after such date, when on duty, one thousand eight hundred dollars, when on leave or waiting orders, one thousand two hundred dollars; and after ten years from such date, when on duty, two thousand one hundred dollars, and when on leave or waiting orders, one thousand four hundred dollars: *And provided further*, That promotions in the corps of civil engineers shall be after such examination as the Secretary of the Navy may prescribe.—Act March 3, 1903.]

[SAME.—That from and after the passage of this act the allowances of civil engineers and professors of mathematics in the Navy shall be the same as are or may be provided by or in pursuance of law for naval constructors, and the allowances of assistant civil engineers the same as for assistant naval constructors.—Act June 29, 1906.]

[**SAME.**—The total authorized number of commissioned officers of the active list of the following staff corps, exclusive of commissioned warrant officers, shall be based on percentages of the total number of commissioned officers of the active list of the line of the Navy as follows: * * * Corps of Civil Engineers, two per centum; * * * The total number of commissioned officers of the active list of the following mentioned staff corps at any one time, exclusive of commissioned warrant officers, shall be distributed in the various grades of the respective corps as follows: * * *

[**CORPS OF CIVIL ENGINEERS:** One-half civil engineers with the rank of rear admiral to five and one-half civil engineers with the rank of captain, to fourteen civil engineers with the rank of commander, to eighty civil engineers and assistant civil engineers with the rank below commander.—Act August 29, 1916.]

[Officers of the Corps of Civil Engineers hereafter appointed shall, from the date of their original appointment, take rank and precedence with Lieutenants (junior grade).—Act March 4, 1917.]

[**CHIEF OF BUREAU OF YARDS AND DOCKS.**—That the Chief of the Bureau of Yards and Docks shall be selected from the members of the Corps of Civil Engineers of the Navy having not less than seven years' active service.—Act June 29, 1906.]

[**ASSISTANT TO CHIEF OF BUREAU OF YARDS AND DOCKS.**—Hereafter an officer of the Corps of Civil Engineers may be detailed as assistant to the Chief of the Bureau of Yards and Docks and an officer of the Corps of Naval Constructors as assistant to the Chief of Bureau of Construction and Repair; and, in case of death, resignation, absence, or sickness of the chief of bureau, shall, unless otherwise directed by the President, as provided by section one hundred and seventy-nine of the Revised Statutes, perform the duties of such chief until his successor is appointed or such absence or sickness shall cease; and hereafter an officer of the line of the Navy or Marine Corps.—Act August 29, 1916.]

SEC. 8. That officers of the line in the grades of captain, commander, and lieutenant-commander may, by official application to the Secretary of the Navy, have their names placed on a list which shall be known as the list of "Applicants for voluntary retirement," and when at the end of any fiscal year the average vacancies for the fiscal years subsequent to the passage of this act above the grade of commander have been less than thirteen, above the grade of lieutenant-commander less than twenty, above the grade of lieutenant less than twenty-nine, and above the grade of lieutenant (junior grade) less than forty, the President may, in the order of the rank of the applicants, place a sufficient number on the retired list with the rank and three-fourths the sea pay of the next higher grade, as now existing, including the

grade of commodore, to cause the aforesaid vacancies for the fiscal year then being considered.

[NO INCREASED RANK OR PAY ON RETIREMENT.—That hereafter any officer retired under the provisions of sections eight and nine of the act approved March third, eighteen hundred and ninety-nine, an act to reorganize and increase the efficiency of the personnel of the Navy and Marine Corps of the United States, shall be retired with the rank and three-fourths the sea pay of the grade from which he is retired.—Act August 22, 1912.]

SEC. 9. That should it be found at the end of any fiscal year that the retirements pursuant to the provisions of law now in force, the voluntary retirements provided for in this act, and casualties are not sufficient to cause the average vacancies enumerated in section eight of this act, the Secretary of the Navy shall, on or about the first day of June, convene a board of five rear-admirals, and shall place at its disposal the service and medical records on file in the Navy Department of all the officers in the grades of captain, commander, lieutenant-commander, and lieutenant. The board shall then select, as soon as practicable after the first day of July, a sufficient number of officers from the before-mentioned grades, as constituted on the thirtieth day of June of that year, to cause the average vacancies enumerated in section eight of this act. Each member of said board shall swear, or affirm, that he will, without prejudice or partiality, and having in view solely the special fitness of officers and the efficiency of the naval service, perform the duties imposed upon him by this act. Its finding, which shall be in writing, signed by all the members, not less than four governing, shall be transmitted to the President, who shall thereupon, by order, make the transfer of such officers to the retired list as are selected by the board: *Provided*, That not more than five captains, four commanders, four lieutenant-commanders, and two lieutenants are so retired in any one year. The promotions to fill the vacancies thus created shall date from the thirtieth day of June of the current year: *And provided further*, That any officer retired under the provisions of this section shall be retired with the rank and three-fourths the sea pay of the next higher grade, including the grade of commodore, which is retained on the retired list for this purpose.

[SECTION 9, PERSONNEL ACT, REPEALED.—Section nine of the naval personnel act of March third, eighteen hundred and ninety-nine, entitled, "An act to reorganize and increase the efficiency of the personnel of the Navy and Marine Corps of the United States," be, and the same is hereby, repealed.—Act March 3, 1915.]

[RESTORATION TO ACTIVE LIST OF RETIRED OFFICERS.—That the President be, and he is hereby, authorized, within two years of the date of the approval of this act, by and with the advice and consent of the Senate, to

transfer to the active list of the Navy or Marine Corps any officer who may have been transferred from the active to the retired list of the Navy under the provisions of section nine of said personnel act: *Provided*, That such officer shall be transferred to the place on the active list which he would have held if he had not been retired and shall be carried as an additional number in the grade to which he may be transferred or at any time thereafter promoted: *Provided further*, That such officer shall stand a satisfactory physical and professional examination as now prescribed by law: *And provided further*, That any officer transferred to the active list shall not by the passage of this act be entitled to back pay or allowances of any kind.—Act March 3, 1915.]

[SAME.—That the President be, and he is hereby, authorized to appoint the following-named officers now on the retired list of the United States Navy to the grade and rank on the active list of the United States Navy, as hereinafter provided:

[Commodore Ten Eyck De Witt Veeder, retired, to be a rear admiral on the active list, to take rank next after Rear Admiral Austin M. Knight, United States Navy; Captain Templin Morris Potts, retired, to be a rear admiral on the active list, to take rank next after Rear Admiral William B. Caperton, United States Navy; Captain John Henry Gibbons, retired, to be a captain on the active list, to take rank next after Captain Frank M. Bennett, United States Navy; Captain Frank Kinsey Hill, retired, to be a captain on the active list, to take rank next after Captain Clarence S. Williams, United States Navy; Captain Armistead Rust, retired, to be a captain on the active list, to take rank next after Captain Robert L. Russell, United States Navy; Captain John Gardner Quinby, retired, to be a rear admiral on the active list, to take rank next after Rear Admiral Thomas S. Rodgers, United States Navy; Captain John Morris Ellicott, retired, to be a captain on the active list, to take rank next after Captain Robert B. Higgins, United States Navy; Captain Frank W. Kellogg, retired, to be a captain on the active list to take rank next after Captain Thomas Snowden, United States Navy; Commander Allen M. Cook, retired, to be a commander on the active list and to take rank next after Commander John R. Brady, United States Navy; Commander Emmet R. Pollock, retired, to be a commander on the active list, to take rank next after Commander Andre Morton Procter, United States Navy; Captain Washington Irving Chambers, retired, to be a rear admiral on the active list, to take rank next after Rear Admiral Walter McLean, United States Navy; Commander George N. Hayward, retired, to be a captain on the active list to take rank next after Captain Lloyd H. Chandler, United States Navy: *Provided*, That the aforesaid officers shall establish to the satisfaction of the Sec-

retary of the Navy, by the usual examination prescribed by law, their physical, mental, moral, and professional fitness to perform the duties of the grade on the active list to which they are hereby restored: *Provided further*, That the aforesaid officers shall be carried as additional numbers in the grade to which they may be appointed under this Act, or at any time thereafter promoted: *Provided further*, That the aforesaid officers shall not by the passage of this Act be entitled to back pay or allowances of any kind.

* * * * *

[The President is hereby authorized, within two years after the approval of this Act, by and with the advice and consent of the Senate, to transfer to the active list of the Marine Corps or Navy Pay Corps any officer under fifty years of age who may have been transferred from the active list to the retired list of the Marine Corps or Navy Pay Corps by the action of any retiring board for physical disability incurred in the line of duty: *Provided*, That such officer shall be transferred to the place on the active list which he would have had if he had not been retired, and shall be carried as an additional number in the grade to which he may be transferred or at any time thereafter promoted: *Provided further*, That such officer shall establish to the satisfaction of the Secretary of the Navy his mental, moral, professional, and physical qualifications to perform the duties on the active list of the grade to which he is transferred.—Act August 29, 1916.]

SEC. 10. That of the naval constructors five shall have the rank of captain, five of commander, and all others that of lieutenant commander or lieutenant. Assistant naval constructors shall have the rank of lieutenant or lieutenant (junior grade). Assistant naval constructors shall be promoted to the grade of naval constructor after not less than eight or more than fourteen years' service as assistant naval constructor: *Provided*, That the whole number of naval constructors and assistant naval constructors on the active list shall not exceed forty in all.

[INCREASE IN CONSTRUCTION CORPS.—That, in addition to the number of naval constructors and assistant naval constructors now authorized, the appointment of six assistant naval constructors is hereby authorized, two to be appointed during the present calendar year and the remaining four in the calendar year of nineteen hundred and three.—Act July 1, 1902.]

[SAME.—The grades of the active list of the Navy hereinafter designated shall be so increased that there shall be * * * twenty-nine additional naval constructors and assistant naval constructors, in all seventy-five.—Act March 3, 1903.]

[SAME.—Officers of the line of the Navy who have had not less than three years' service in the grade of ensign and have taken or are taking satisfactorily a post-graduate course in naval architecture under orders from the

Secretary of the Navy shall be eligible for transfer to the grade of assistant naval constructor: *Provided*, That there shall not be more than five such transfers in any one calendar year and that the total increase in the number of naval constructors and assistant naval constructors by reason of such transfers shall not exceed twenty-four.—Act March 3, 1915.]

[SAME.—The total authorized number of commissioned officers of the active list of the following staff corps, exclusive of commissioned warrant officers, shall be based on percentages of the total number of commissioned officers of the active list of the line of the Navy as follows: * * * Construction Corps, five per centum; * * *. The total number of commissioned officers of the active list of the following mentioned staff corps at any one time, exclusive of commissioned warrant officers, shall be distributed in the various grades of the respective corps as follows: * * *

[Construction Corps: One-half naval constructors with the rank of rear admiral to eight and one-half naval constructors with the rank of captain, to fourteen naval constructors with the rank of commander, to seventy-seven naval constructors and assistant naval constructors with rank below commander: *Provided*, That vacancies in the Construction Corps shall be filled in the manner now prescribed by law, at such annual rate as the Secretary of the Navy may prescribe: *Provided further*, That hereafter ensigns of not less than one year's service as such shall be eligible for transfer to the Construction Corps.—Act August 29, 1916.]

[DUTIES OF CONSTRUCTION CORPS.—That officers who now perform engineering duty on shore only and officers of the Construction Corps shall be eligible for any shore duty compatible with their rank and grade to which the Secretary of the Navy may assign them.—Act June 30, 1914.]

SEC. 11. That any officer of the Navy, with a creditable record, who served during the Civil War, shall, when retired, be retired with the rank and three-fourths the sea pay of the next higher grade.

[RETIREMENT OF MARINE OFFICERS.—That officers of the Marine Corps with creditable records who served during the civil war shall, when retired, be retired in like manner and under the same conditions as provided for officers of the Navy who served during the civil war.—Act April 27, 1904.]

[SAME.—That any officer of the Marine Corps below the grade of brigadier-general who served with credit as an officer or as an enlisted man in the regular or volunteer forces during the civil war prior to April ninth, eighteen hundred and sixty-five, otherwise than as a cadet, and whose name is borne on the official register of the Marine Corps, and who has heretofore been, or may hereafter be, retired on account of wounds or disability

incident to the service, or on account of age or after forty years' service, may, in the discretion of the President, by and with the advice and consent of the Senate, be placed on the retired list of the Marine Corps with the rank and retired pay of one grade above that actually held by him at the time of retirement: *Provided*, That this act shall not apply to any officer who received an advance of grade since the date of his retirement or who has been restored to the Marine Corps and placed on the retired list by virtue of the provisions of a special act of Congress.—Act June 29, 1906.]

[RETIREMENT OF OFFICERS BELOW REAR-ADMIRAL.—That any officer of the Navy not above the grade of captain who served with credit as an officer or as an enlisted man in the regular or volunteer forces during the Civil War prior to April ninth, eighteen hundred and sixty-five, otherwise than as a cadet, and whose name is borne on the official register of the Navy, and who has heretofore been, or may hereafter be, retired on account of wounds or disability incident to the service or on account of age or after forty years' service, may, in the discretion of the President, by and with the advice and consent of the Senate, be placed on the retired list of the Navy with the rank and retired pay of one grade above that actually held by him at the time of retirement: *Provided*, That this act shall not apply to any officer who received an advance of grade at or since the date of his retirement or who has been restored to the Navy and placed on the retired list by virtue of the provisions of a special act of Congress.—Act June 29, 1906.]

[SECTION 11, PERSONNEL ACT, REVIVED.—The provisions of the act approved June twenty-ninth, nineteen hundred and six, entitled "An act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and seven, and for other purposes," providing for the retirement in the next higher grade of officers of the navy who served during the civil war, shall not operate to deprive any officer of the navy who has been, or may be, retired, since the passage of that act, of the right to increased rank and pay to which, but for the passage of said act, he would have been entitled.—Act March 3, 1909.]

[COMMISSIONS TO RETIRED OFFICERS WITH ADVANCED RANK.—That commissioned officers of the Army, Navy, and Marine Corps on the retired list whose rank has been or shall hereafter be advanced by operation of or in accordance with law shall be entitled to and shall receive commissions in accordance with such advanced rank.—Act March 4, 1911.]

[ADVANCEMENT ON ACTIVE LIST FOR WAR SERVICE.—That the advancement in rank of officers of the Navy and Marine Corps, whensoever made, for service rendered

during the war with Spain, pursuant, respectively, to the provisions of sections fifteen hundred and six and sixteen hundred and five of the Revised Statutes, shall not interfere with the regular promotion of officers otherwise entitled to promotion, but officers so advanced, by reason of war service, shall, after they are promoted to higher grades, be carried thereafter as addition to the numbers of each grade to which they may at any time be promoted; and each such officer shall hereafter be promoted in due course, contemporaneously with and to take rank next after the officer immediately above him; and all advancements made by reason of war service shall be appropriately so designated upon the official Navy list: *Provided, however,* That no promotion shall be made to fill a vacancy occasioned by the promotion, retirement, death, resignation, or dismissal of any officer who, at the time of such promotion, retirement, death, resignation, or dismissal, is an additional member of his grade under the foregoing provisions.—Act March 3, 1901.]

SEC. 12. That boatswains, gunners, carpenters, and sailmakers shall after ten years from date of warrant be commissioned chief boatswains, chief gunners, chief carpenters, and chief sailmakers, to rank with, but after, ensign: *Provided,* That the chief boatswains, chief gunners, chief carpenters, and chief sailmakers shall on promotion have the same pay and allowances as are now allowed a second lieutenant in the Marine Corps: *Provided,* That the pay of boatswains, gunners, carpenters, and sailmakers shall be the same as that now allowed by law: *Provided further,* That nothing in this act shall give additional rights to quarters on board ship or to command, and that immediately after the passage of this act boatswains, gunners, carpenters and sailmakers, who have served in the Navy as such for fifteen years, shall be commissioned in accordance with the provisions of this section, and thereafter no warrant officer shall be promoted until he shall have passed an examination before a board of chief boatswains, chief gunners, chief carpenters, and chief sailmakers, in accordance with regulations prescribed by the Secretary of the Navy.

[COMMISSIONED AFTER SIX YEARS FROM DATE OF WARRANT.—And boatswains, gunners, carpenters, and sailmakers shall be eligible for appointment as chief boatswains, chief gunners, chief carpenters, and chief sailmakers after six years from date of warrant.—Act April 27, 1904.]

[APPOINTMENTS AS CHIEF MACHINISTS.—The title of warrant machinist is hereby changed to machinist; and all machinists shall, after six years from date of warrant, be commissioned chief machinists, to rank with, but after, ensign, and shall, on promotion, have the same pay and allowances as are allowed chief boatswains, chief gunners, chief carpenters, and chief sailmakers, and no machinist shall be promoted until he shall have passed such examination before a board as the Secretary of the Navy

may prescribe, and no warrant officer, heretofore or hereafter promoted six years from date of warrant, shall suffer a reduction in pay which, but for such promotion, would have been received by him.—Act March 3, 1909.]

[APPOINTMENTS AS CHIEF PHARMACISTS.—That pharmacists shall, after six years from date of warrant, be commissioned chief pharmacists after passing satisfactory such examination as the Secretary of the Navy may prescribe, and shall, on promotion, have the rank, pay, and allowances of chief boatswains.—Act August 22, 1912.]

[SAME.—Pharmacists shall, after six years from the date of warrant, be commissioned chief pharmacists after passing satisfactorily such examinations as the Secretary of the Navy may prescribe, and shall, when so commissioned, have the same rank, pay, and allowances as now or may hereafter be allowed other commissioned warrant officers: *Provided*, That the pharmacists at present in the service who have served or may hereafter serve six or more years in that grade shall be eligible for promotion to the grade of chief pharmacist upon satisfactorily passing the examinations provided for in this Act.—Act August 29, 1916.]

[APPOINTMENTS AS PAY CLERKS AND CHIEF PAY CLERKS.—The title of paymaster's clerk in the United States Navy is hereby changed to pay clerk, and hereafter all pay clerks shall be warranted from acting pay clerks, who shall be appointed from enlisted men in the Navy holding acting or permanent appointments as chief petty officers who have served at least three years as enlisted men, at least two years of which service must have been on board a cruising vessel of the Navy. All appointments as acting pay clerks shall be made by the Secretary of the Navy, and all such appointees, in addition to the qualifications above set forth, must be citizens of the United States. All acting appointments herein provided for shall be made permanent under regulations established by the Secretary of the Navy: *Provided*, That paymasters' clerks now in the Navy whose total service as such is less than one year and who are citizens of the United States may, upon the passage of this act, be given appointments as acting pay clerks without previous service as enlisted men: *Provided further*, That paymasters' clerks now in the service and former paymasters' clerks whose appointments have been revoked within six months next preceding the passage of this act, who have had not less than one year's actual service as such, and who are citizens of the United States, may, upon the passage of this act, be warranted as pay clerks without previous service as enlisted men or as acting pay clerks: *And provided further*, That pay clerks and acting pay clerks shall have the same pay, allowances, and other benefits as are now or may hereafter be allowed other warrant officers and acting warrant officers, respectively.

[That all pay clerks shall, after six years' service as such, be commissioned chief pay clerks and shall on promotion have the rank, pay, and allowances of chief boatswain: *Provided*, That in computing the six years' service herein provided for credit shall be given for all service in the Navy as pay clerks, acting pay clerks, and paymaster's clerk: *Provided further*, That paymasters' clerks now in the Navy and former paymasters' clerks whose appointments have been revoked within six months next preceding the passage of this act, who have had not less than six years' actual service as such, and who are citizens of the United States, may, upon the passage of this act, be commissioned as chief pay clerks without previous service as enlisted men, acting pay clerks, or pay clerks.

[That the total number of chief pay clerks, pay clerks, and acting pay clerks allowed by this act shall not exceed one for each two hundred and fifty enlisted men in the United States Navy now or hereafter allowed by law, and such chief pay clerks, pay clerks, and acting pay clerks shall be assigned to duty with pay officers under such rules as the Secretary of the Navy may prescribe: *Provided*, That no person shall be appointed a chief pay clerk, pay clerk, or acting pay clerk under any provisions contained in this act until his physical, mental, moral, and professional qualifications have been satisfactorily established by examination before a board of examining officers appointed by the Secretary of the Navy, from officers of the pay corps when practicable and according to such regulations as he may prescribe: *Provided further*, That no person shall be appointed a chief pay clerk, pay clerk, or acting pay clerk unless his accumulated previous service in the Army, Navy, and Marine Corps, together with his possible future service prior to attaining the age of sixty-two years, will amount to at least thirty years, except that this proviso shall not apply to such persons as were serving in the Navy as paymasters' clerks during the period from September first, nineteen hundred and thirteen, to October thirty-first, nineteen hundred and thirteen.

[That the limitation as to age contained in section thirteen hundred and seventy-nine of the Revised Statutes of the United States, relating to appointment of assistant paymasters in the United States Navy, shall not apply to chief pay clerks and pay clerks appointed under the provisions of this act, who must be between the ages of twenty-one and thirty-five years at the time of appointment as assistant paymasters in the United States Navy: *Provided*, That this shall not be construed as giving any preference in said appointment of assistant paymasters to said chief pay clerks and pay clerks except as to the limitation of age.

[That sections thirteen hundred and eighty-six, thirteen hundred and eighty-seven, and thirteen hundred and eighty-eight of the Revised Statutes, and all acts and

parts of acts, so far as they are in conflict with the provisions of this act, be, and the same are hereby, repealed.—Act March 3, 1915.]

[PAY OF COMMISSIONED WARRANT OFFICERS WITH CREDITABLE RECORDS.—Hereafter chief boatswains, chief gunners, chief machinists, chief carpenters, chief sail makers, chief pharmacists, and chief pay clerks, on the active list with creditable records, shall, after six years from date of commission, receive the pay and allowances that are now or may hereafter be allowed a lieutenant (junior grade), United States Navy: *Provided*, That chief boatswains, chief gunners, chief machinists, chief carpenters, chief sail makers, chief pharmacists, and chief pay clerks, on the active list with creditable records, shall, after twelve years from date of commission, receive the pay and allowances that are now or may hereafter be allowed a lieutenant, United States Navy.—Act August 29, 1916.]

[INCREASED PAY FOR WARRANT OFFICERS.—The pay of all warrant officers and mates is hereby increased twenty-five per centum.—Act May 13, 1908.]

[Hereafter the pay of warrant officers while on shore duty during the fourth three years' service shall be \$1,750 per annum.—Act March 4, 1917.]

[ALLOWANCES TO WARRANT OFFICERS.—Warrant officers shall receive the same allowances of heat and light as are now or may hereafter be allowed an ensign, United States Navy.—Act August 29, 1916.]

[LEAVE ALLOWED WARRANT OFFICERS.—Warrant officers shall be allowed such leave of absence, with full pay, as is now or may hereafter be allowed other officers of the United States Navy.—Act August 29, 1916.]

[ENSIGNS APPOINTED FROM WARRANT OFFICERS.—Whenever, in view of the vacancies in the grade of ensign on July thirtieth of any year unfilled by graduates of the Naval Academy, the Secretary of the Navy shall so recommend, the President may appoint to that grade, as of July thirtieth, from among the boatswains, gunners, or warrant machinists not exceeding six in any one calendar year. No person shall be so appointed who is over thirty-five years of age; who has served less than six years as a warrant officer; who is not recommended by a commanding officer under whom he has served; nor until he shall have passed such competitive examination as may be prescribed by the Navy Department.—Act March 3, 1901.]

[SAME.—Hereafter in each calendar year there may, under the restrictions imposed by existing law, be appointed from the boatswains, gunners, and warrant machinists of the Navy twelve ensigns.—Act March, 3, 1903.]

[SAME.—That subject to the restrictions imposed by existing law, boatswains, gunners, and warrant machinists shall be eligible for appointment to the grade of ensign after four years' service as warrant officers.—Act April 27, 1904.]

[ENSIGNS APPOINTED FROM CHIEF WARRANT OFFICERS.—That chief boatswains, chief gunners, and chief machinists shall be eligible for appointment to the grade of ensign under the restrictions imposed by law upon the appointment of boatswains, gunners, and warrant machinists to that grade.—Act March 3, 1909.]

SEC. 13. That, after June thirtieth, eighteen hundred and ninety-nine, commissioned officers of the line of the Navy and of the Medical and Pay Corps shall receive the same pay and allowances, except forage, as are or may be provided by or in pursuance of law for the officers of corresponding rank in the Army: *Provided*, That such officers when on shore shall receive the allowances, but fifteen per centum less pay than when on sea duty; but this provision shall not apply to warrant officers commissioned under section 12 of this act: *Provided further*, That when naval officers are detailed for shore duty beyond seas they shall receive the same pay and allowances as are or may be provided by or in pursuance of law for officers of the Army detailed for duty in similar places: *Provided further*, That naval chaplains, who do not possess relative rank, shall have the rank of lieutenant in the Navy; and that all officers, including warrant officers, who have been or may be appointed to the Navy from civil life shall, on the date of appointment, be credited for computing their pay, with five years' service. And all provisions of law authorizing the distribution among captors of the whole or any portion of the proceeds of vessels, or any property hereafter captured, condemned as prize, or providing for the payment of bounty for the sinking or destruction of vessels of the enemy hereafter occurring in time of war, are hereby repealed: *And provided further*, That no provision of this act shall operate to reduce the present pay of any commissioned officer now in the Navy; and in any case in which the pay of such an officer would otherwise be reduced he shall continue to receive pay according to existing law: *And provided further*, That nothing in this act shall operate to increase or reduce the pay of any officer now on the retired list of the Navy.

[PAY OF OFFICERS ON THE ACTIVE LIST.—Hereafter all commissioned officers of the active list of the Navy shall receive the same pay and allowances according to rank and length of service, and the annual pay of each grade shall be as follows: For Admiral, thirteen thousand five hundred dollars; rear-admiral, first nine, eight thousand dollars; rear-admiral, second nine, or commodore, six thousand dollars; captain, four thousand dollars; commander, three thousand five hundred dollars; lieutenant-commander, three thousand dollars; lieutenant, two thousand four hundred dollars; lieutenant, junior grade, two thousand dollars; ensign, one thousand seven hundred dollars. There shall be allowed and paid to each commissioned officer below the rank of rear-admiral ten

per centum of his current yearly pay for each term of five years service in the Army, Navy, and Marine Corps. The total amount of such increase for length of service shall in no case exceed forty per centum on the yearly pay of the grade as provided by law: *Provided*, That the annual pay of captain shall not exceed five thousand dollars per annum; of commander, four thousand five hundred dollars per annum; and of lieutenant-commander, four thousand dollars per annum. * * * The pay of midshipmen shall hereafter be six hundred dollars per annum while at the Naval Academy, and one thousand four hundred dollars per annum after graduation from the Naval Academy. The pay of all warrant officers and mates is hereby increased twenty-five per centum. * * * Aids to rear admirals embraced in the nine lower numbers of that grade shall each receive one hundred and fifty dollars additional per annum, and aids to all other rear-admirals, two hundred dollars additional per annum each.—Act May 13, 1908.]

[SAME.—The annual pay of an admiral shall be \$10,000, and of a vice admiral \$9,000.—Act March 3, 1915.]

[SAME.—Hereafter the Chief of Naval Operations, while so serving as such Chief of Naval Operations, shall have the rank and title of admiral, to take rank next after The Admiral of the Navy, and shall, while so serving as Chief of Naval Operations, receive the pay of \$10,000 per annum and no allowances. * * *

[Hereafter pay and allowances of officers in the upper half of the grade or rank of rear admiral, including the staff corps and including staff officers heretofore permanently commissioned with the rank of rear admiral, shall be that now allowed by law for the first nine rear admirals, and the pay and allowances of officers in the lower half of the grade or rank of rear admiral, including the staff corps, shall be that now allowed by law for the second nine rear admirals.

* * * * *

[Hereafter chief boatswains, chief gunners, chief machinists, chief carpenters, chief sail makers, chief pharmacists, and chief pay clerks, on the active list with creditable records, shall, after six years from date of commission, receive the pay and allowances that are now or may hereafter be allowed a lieutenant (junior grade), United States Navy: *Provided*, That chief boatswains, chief gunners, chief machinists, chief carpenters, chief sail makers, chief pharmacists, and chief pay clerks, on the active list with creditable records, shall, after twelve years from date of commission, receive the pay and allowances that are now or may hereafter be allowed a lieutenant, United States Navy.

[Warrant officers shall receive the same allowances of heat and light as are now or may hereafter be allowed an ensign, United States Navy.]

[Warrant officers shall be allowed such leave of absence, with full pay, as is now or may hereafter be allowed other officers of the United States Navy. * * *

[Nothing contained in this Act shall be construed to reduce the rank, pay, or allowances of any officer of the Navy or Marine Corps as now provided by law. * * *

[Hereafter all commissioned officers of the active list of the Navy shall receive the same pay and allowances according to rank and length of service: *Provided*, That this provision shall not be construed to reduce the pay and allowances of commissioned warrant officers as herein authorized.—Act August 29, 1916.]

[SAME.—That all officers of the Navy who, since the third day of March, eighteen hundred and ninety-nine, have been advanced or may hereafter be advanced in grade or rank pursuant to law shall be allowed the pay and allowances of the higher grade or rank from the dates stated in their commissions.—Act March 4, 1913.]

[SAME—ADDITIONAL PAY FOR AVIATION DUTY.—That from and after the passage and approval of this act the pay and allowances that are now or may be hereafter fixed by law for officers of the Navy and Marine Corps shall be increased thirty-five per centum for such officers as are now or may hereafter be detailed by the Secretary of the Navy on aviation duty: *Provided*, That this increase of pay and allowances shall be given to such officers only as are actual flyers of heavier-than-air craft, and while so detailed: *Provided further*, That no more than thirty officers of the Navy and Marine Corps shall be detailed to aviation service: *Provided further*, That no officer above the rank of lieutenant commander in the Navy or major in the Marine Corps shall be detailed for actual flying: *Provided further*, That nothing in this provision shall be construed to increase the total number of officers now in the Navy or Marine Corps.—Act March 4, 1913.]

[SAME.—Hereafter officers of the Navy and Marine Corps appointed student naval aviators, while lawfully detailed for duty involving actual flying in air craft, including balloons, dirigibles, and aeroplanes, shall receive the pay and allowances of their rank and service plus thirty-five per centum increase thereof; and those officers who have heretofore qualified, or may hereafter qualify, as naval aviators, under such rules and regulations as have been or may be prescribed by the Secretary of the Navy, shall, while lawfully detailed for duty involving actual flying in air craft, receive the pay and allowances of their rank and service plus fifty per centum increase thereof.—Act March 3, 1915.]

[SAME—FLYING CORPS.—The officers detailed and the enlisted men of the Naval Flying Corps shall receive the same pay and allowances that are now provided by law for officers and enlisted men of the same grade or rank

and rating in the Navy and Marine Corps detailed to duty with aircraft involving actual flying. * * *

[Such officers and enlisted men, while detailed as student aviators and student airmen involving actually flying in air craft, shall receive the same pay and allowances that are now provided by law for officers and enlisted men of the same grade or rank and rating in the Navy detailed for duty with aircraft. * * *

[The Secretary of the Navy is hereby authorized to appoint annually for a period of four years, from enlisted men of the naval service, or from citizens of the United States in civil life, not to exceed thirty student flyers for instruction and training in aeronautics who shall receive the same pay and allowances as midshipmen at the United States Naval Academy: * * *

[Student flyers shall, after receiving a certificate of qualification as an aviator for actual flying in aircraft, rank with midshipmen and shall receive the same pay and allowances as midshipmen, plus fifty per centum thereof.—Act August 29, 1916.]

[That hereafter the allowances of officers, enlisted men, and student flyers of the naval service shall in no case be increased by reason of the performance of aviation duty.—Act July 1, 1918.]

[DEATH GRATUITY.—That hereafter immediately upon official notification of the death from wounds or disease contracted in line of duty of any officer or enlisted man on the active list of the Navy and Marine Corps the Paymaster-General of the Navy shall cause to be paid to the widow of such officer or enlisted man, or any person previously designated by him, an amount equal to six months' pay at the rate received by such officer or enlisted man at the date of his death, less seventy-five dollars in the case of an officer and thirty-five dollars in the case of an enlisted man, to defray expenses of interment, and the residue, if any, of the amount reserved shall be paid subsequently to the designated person. The Secretary of the Navy shall establish regulations requiring each officer and enlisted man to designate the proper person to whom this amount shall be paid in case of death, and said amount shall be paid to that person from funds appropriated for the pay of the Navy and Marine Corps.—Act May 13, 1908.]

[SAME.—That the act approved May thirteenth, nineteen hundred and eight, making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and nine, and for other purposes, in so far as it relates to the payment of six months' pay to the widow of an officer or enlisted man and so forth, be amended to read as follows:

[That hereafter immediately upon official notification of the death, from wounds or disease not the result of his own misconduct, of any officer or enlisted man on

the active list of the Navy and Marine Corps the Paymaster General of the Navy shall cause to be paid to the widow, and, if no widow, to the children, and, if there be no children, to any other dependent relative of such officer or enlisted man previously designated by him, an amount equal to six months' pay at the rate received by such officer or enlisted man at the date of his death, less seventy-five dollars in the case of an officer and thirty-five dollars in the case of an enlisted man, to defray expenses of interment, and the residue, if any, of the amount reserved shall be paid subsequently to the designated person."—Act August 22, 1912.]

[SAME.—*Provided*, That no deduction shall hereafter be made from the six months' gratuity pay allowed under the naval act of August twenty-second, nineteen hundred and twelve, on account of expenses for preparation and transportation of the remains.—Act March 3, 1915.]

[SAME.—That no deduction shall hereafter be made from the six months' gratuity pay allowed under the naval Act of August twenty-second, nineteen hundred and twelve, on account of expenses for funeral, interment, or for expenses of preparation and transportation of the remains.—Act August 29, 1916.]

[SAME.—AVIATION ACCIDENTS.—In the event of the death of an officer or enlisted man of the Navy or Marine Corps from wounds or disease, the result of an aviation accident, not the result of his own misconduct, received while engaged in actual flying in or in handling air craft, the gratuity to be paid under the provisions of the act approved August twenty-second, nineteen hundred and twelve, entitled "An act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and thirteen, and for other purposes," shall be an amount equal to one year's pay at the rate received by such officer or enlisted man at the time of the accident resulting in his death. In all cases where an officer or enlisted man of the Navy or Marine Corps dies, or where an enlisted man of the Navy or Marine Corps is disabled by reason of any injury received or disease contracted in line of duty, the result of an aviation accident, received while employed in actual flying in or in handling air craft, the amount of pension allowed shall be double that authorized to be paid should death or the disability have occurred by reason of an injury received or disease contracted in line of duty, not the result of an aviation accident.—Act March 3, 1915.]

[SAME.—In the event of the death of an officer or enlisted man or student flyer of the Naval Flying Corps from wounds or disease, the result of an aviation accident, not the result of his own misconduct, received while engaged in actual flying in or in handling aircraft, the gratuity to be paid under the provisions of the Act approved August twenty-second, nineteen hundred and twelve, entitled "An Act making appropriations for the

naval service for the fiscal year ending June thirtieth, nineteen hundred and thirteen, and for other purposes," shall be an amount equal to one year's pay at the rate received by such officer or enlisted man or student flyer at the time of the accident resulting in his death. In all cases where an officer or enlisted man or student flyer of the Navy or Marine Corps dies, or where a student flyer or an enlisted man of the Navy or Marine Corps is disabled by reason of any injury received or disease contracted in line of duty, the result of an aviation accident, received while employed in actual flying in or in handling aircraft, the amount of pension allowed shall be double that authorized to be paid should death or the disability have occurred by reason of an injury received or disease contracted in line of duty not the result of an aviation accident.—Act August 29, 1916.]

[SHORE DUTY PAY.—That the provision contained in section thirteen of an act approved March third, eighteen hundred and ninety-nine, entitled "An act to reorganize and increase the efficiency of the personnel of the Navy and Marine Corps of the United States," reading as follows: "*Provided*, That such officers when on shore shall receive the allowances, but fifteen per centum less pay than when on sea duty; but this provision shall not apply to warrant officers commissioned under section twelve of this act," be, and the same is hereby, repealed.—Act June 29, 1906.]

[ADDITIONAL PAY FOR SEA DUTY OR SHORE DUTY BEYOND SEAS.—All officers on sea duty and all officers on shore duty beyond the continental limits of the United States shall while so serving receive ten per centum additional of their salaries and increase as above provided, and such increase shall commence from the date of reporting for duty on board ship or the date of sailing from the United States for shore duty beyond the seas or to join a ship in foreign waters.—Act May 13, 1908.]

[SAME.—That officers of the Navy, and officers and enlisted men of the Marine Corps, who have been detailed or may hereafter be detailed, for shore duty in Alaska, the Philippine Islands, Guam, or elsewhere beyond the continental limits of the United States, shall be considered as having been detailed for "shore duty beyond seas," and shall receive pay accordingly, with such additional pay as may be provided by law for service in island possessions of the United States.—Act March 3, 1901.]

[SAME.—That the President of the United States be, and he is hereby, authorized, in his discretion, to detail to assist the Dominican Republic, officers and enlisted men of the United States Navy and the United States Marine Corps: *Provided*, That officers and enlisted men so detailed be, and they are hereby, authorized to accept from the Government of the Dominican Republic offices under said Government with compensation and emolu-

ments from the said Dominican Republic, subject to the approval of the President of the United States: *Provided further*, That while so detailed such officers and enlisted men shall receive, in addition to the compensation and emoluments allowed them by the Dominican Republic, the pay and allowances of their rank or rating in the United States Navy or United States Marine Corps, as the case may be, and they shall be entitled to the same credit, while so serving, for longevity, retirement, foreign-service pay, and for all other purposes that they would receive if they were serving with the United States Navy or Marine Corps in said Dominican Republic.

Act February 11, 1918.]

[RANK AND PAY OF CHAPLAINS.—That all chaplains now in the Navy above the grade of lieutenants shall receive the pay and allowances of lieutenant-commander in the Navy according to length of service under the provisions of law for that rank, and all chaplains now in the Navy in the grade of lieutenant shall receive their present sea pay when on shore duty: *Provided*, That naval chaplains hereafter appointed shall have the rank, pay, and allowances of lieutenant (junior grade) in the Navy until they shall have completed seven years of service, when they shall have the rank, pay, and allowances of lieutenant in the Navy; and lieutenants shall be promoted, whenever vacancies occur, to the grade of lieutenant-commander, which shall consist of five numbers, and when so promoted shall receive the rank, pay, and allowances of lieutenant-commander in the Navy: *Provided further*, That nothing herein contained shall be held or construed to increase the number of chaplains as now authorized by law or to reduce the rank or pay of any now serving.—Act June 29, 1906.]

[SAME.—And that the pay and allowances of chaplains in the Navy shall in no case exceed that provided for lieutenant-commanders.—Act May 13, 1908.]

[SAME.—Of the total number of chaplains and acting chaplains herein authorized ten per centum thereof shall have the rank of captain in the Navy, twenty per centum the rank of commander, twenty per centum the rank of lieutenant commander, and the remainder to have the rank of lieutenants and lieutenants, junior grade.—Act June 30, 1914.]

[SAME.—Hereafter all commissioned officers of the active list of the Navy shall receive the same pay and allowances according to rank and length of service: *Provided*, That this provision shall not be construed to reduce the pay and allowances of commissioned warrant officers as herein authorized.—Act August 29, 1916.]

[CONSTRUCTIVE SERVICE ABOLISHED.—That so much of an act entitled "An act to reorganize and increase the efficiency of the personnel of the Navy and Marine Corps," approved March third, eighteen hundred and ninety-nine, which reads as follows: "and that all offi-

cers, including warrant officers, who have been or may be appointed to the Navy from civil life shall, on the date of appointment, be credited for computing their pay, with five years' service," shall not apply to any person entering the Navy from and after the passage of this act: *Provided*, That section fourteen hundred and eighty-six of the Revised Statutes shall not apply in the case of officers who enter the Navy after the passage of this act and all such officers shall take precedence when of the same grade according to their respective dates of commission in that grade.—Act March 4, 1913.]

[SAME.—That officers shall take rank in each staff corps according to the dates of commission in the several grades, excepting in cases where they have gained or lost numbers.—Act August 29, 1916.]

[PAY OF OFFICERS NOT REDUCED.—Section thirteen of the act approved March third, eighteen hundred and ninety-nine, entitled "An act to reorganize and increase the efficiency of the personnel of the Navy and Marine Corps of the United States," is hereby so amended as to provide that nothing therein contained shall operate to reduce the pay which, but for the passage of said act, would have been received by any commissioned officer at the time of its passage or thereafter.—Act June 7, 1900.]

[SAME.—Nothing herein shall be construed so as to reduce the pay or allowances now authorized by law for any commissioned, warrant, or appointed officer or any enlisted man of the active or retired lists of the Navy, and all laws inconsistent with this provision are hereby repealed.—Act May 13, 1908.]

[SAME.—Nothing contained in this Act shall be construed to reduce the rank, pay, or allowances of any officer of the Navy or Marine Corps as now provided by law.—Act August 29, 1916.]

[PAY OF RETIRED OFFICERS.—The pay of all commissioned, warrant, and appointed officers and enlisted men of the Navy now on the retired list shall be based on the pay, as herein provided for, of commissioned, warrant, and appointed officers and enlisted men of corresponding rank and service on the active list; and all pay herein provided shall remain in force until changed by act of Congress.—Act May 13, 1908.]

[SAME.—In computing the pay of retired officers of the Navy, the ten per centum additional pay allowed for sea duty or for shore duty beyond the continental limits of the United States shall not be included, and the pay of commodore shall be the same in all respects as that of rear-admiral, second nine.—Act May 30, 1908.]

[SAME.—Hereafter any naval officer on the retired list may, with his consent, in the discretion of the Secretary of the Navy, be ordered to such duty as he may be able to perform at sea or on shore, and while so employed in time of peace shall receive the pay and allowances of an officer of the active list of the same rank: *Provided*, That

no such retired officer so employed on active duty shall receive, in time of peace, any greater pay and allowances than the pay and allowances which are now or may hereafter be provided by law for a lieutenant senior grade on the active list of like length of service: *And provided further*, That any such officer whose retired pay exceeds the highest pay and allowances of the grade of lieutenant senior grade, shall, while so employed in time of peace, receive his retired pay only, in lieu of all other pay and allowances.—Act August 22, 1912.]

[SAME. —That any retired chief warrant officer who has been on active duty since August twenty-ninth, nineteen hundred and sixteen, or who may hereafter perform active duty, and whose record is creditable, shall, during such time as he has been or may hereafter be, on active duty, and from the time his service on the active list after date of commission, plus his service on active duty while on the retired list, is equal to six years, receive the pay and allowances that are now, or may hereafter be, allowed a lieutenant (junior grade), United States Navy; and shall, during such time as he has been, or may hereafter be, on active duty, and from the time such total service is equal to twelve years, receive the pay and allowances that are now, or may hereafter be, allowed a lieutenant, United States Navy.

SEC. 2. That any retired warrant officer who has been on active duty since August twenty-ninth, nineteen hundred and sixteen, or who may hereafter perform active duty, and whose record is creditable, shall, during such time as he has been or may hereafter be on active duty, and from the time his service on the active list after date of warrant, plus his service on active duty while on the retired list, is equal to twelve years, receive the pay and allowances that are now or may hereafter be allowed a lieutenant (junior grade), United States Navy; and shall, during such time as he has been or may hereafter be on active duty, and from the time such total service is equal to eighteen years, receive the pay and allowances that are now or may hereafter be allowed a lieutenant, United States Navy.

Act April 10, 1918.]

[SAME. That hereafter, during the existence of war or of a national emergency declared by the President to exist, any commissioned or warrant officer of the Navy, Marine Corps, or Coast Guard of the United States on the retired list may, in the discretion of the Secretary of the Navy, be ordered to active duty at sea or on shore; and any retired officer performing such active duty in time of war or national emergency, declared as afore-said, shall be entitled to promotion on the retired list to the grade or rank, not above that of lieutenant commander in the Navy or major in the Marine Corps or captain in the Coast Guard, and shall thereafter receive the pay and allowances thereof, which his total active service as

an officer both prior and subsequent to retirement, in the manner rendered by him, would have enabled him to attain in due course of promotion had such service been rendered continuously on the active list during the period of time last past.

[SAME.—That hereafter, during the existence of war or of a national emergency, declared as aforesaid, any commissioned or warrant officer of the Navy, Marine Corps or Coast Guard of the United States on the retired list, while on active duty, may be temporarily advanced to and commissioned in such higher grade or rank on the retired list, not above that of lieutenant commander in the Navy or major in the Marine Corps or captain in the Coast Guard, as the President may determine, and any officer so advanced shall, while on active duty, be entitled to the same pay and allowances as officers of like grade or rank on the active list: *Provided*, That any such commissioned or warrant officer who has been so temporarily advanced in grade or rank shall, upon his relief from active duty, or in any case not later than six months after the termination of the war or of the national emergency, declared as aforesaid, revert to the grade or rank on the retired list and to the pay and allowance status which he would have held had he not been so temporarily advanced: *Provided further*, That nothing in this Act shall operate to reduce the pay and allowances now allowed by law to retired officers.—Act July 1, 1918.]

[SAME.—No officer who, after having commanded a fleet in active commission, has been retired for age and whom, in the judgment of the Secretary of the Navy, the public interests make it necessary to retain for a time after said retirement and who is performing active duty as chairman of the executive committee of the General Board, shall, for the period so retained, suffer any reduction in the emoluments he was receiving at the time of his retirement: *Provided*, That hereafter any retired officer of the naval service who shall be detailed on active duty shall, while so serving, receive the active duty pay and allowances of the grade, not above that of lieutenant commander in the Navy or of major in the Marine Corps, that he would have attained in due course of promotion if he had remained on the active list for a period beyond the date of his retirement equal to the total amount of time during which he has been detailed on active duty since his retirement: *Provided*, That nothing herein shall be construed to reduce the pay of any retired officer on active duty whose retired pay exceeds the active duty pay and allowances for the grade of lieutenant commander.—Act August 29, 1916.]

SEC. 14. That upon the passage of this act the Secretary of the Navy shall appoint a board for the examination of men for the position of warrant machinist, one hundred of whom are hereby authorized. The said examination shall be open, first, to all machinists by

trade, of good record in the naval service, and if a sufficient number of machinists from the Navy are not found duly qualified, then any machinist of good character, not above thirty years of age, in civil life shall be eligible for such examination and appointment to fill the remaining vacancies. All subsequent vacancies in the list of warrant machinists shall be filled by competitive examination before a board ordered by the Secretary of the Navy, and open to all machinists by trade who are in the Navy, and machinists of good character, not above thirty years of age, in civil life authorized by the Secretary of the Navy to appear before said board, and, where candidates from civil life and from the naval service possess equal qualifications, the preference shall be given to those from the naval service.

[TITLE CHANGED TO "MACHINIST."—The title of warrant machinist is hereby changed to machinist.—Act March 3, 1909.]

²⁶[INCREASE IN NUMBER.—Pay and allowances prescribed by law of officers on sea duty; * * * fifty additional warrant machinists, * * * of which sum fifty thousand dollars is hereby made immediately available for pay of additional men and warrant machinists.—Act March 3, 1901.]

[SAME.—* * * and as many warrant machinists as the President may from time to time deem necessary to appoint, not to exceed twenty in any one year.—Act April 27, 1904.]

[PROMOTION OF MACHINISTS AND CHIEF MACHINISTS.—And all machinists shall, after six years from date of warrant, be commissioned chief machinists, to rank with, but after, ensign, and shall, on promotion, have the same pay and allowances as are allowed chief boatswains, chief gunners, chief carpenters, and chief sailmakers, and no machinist shall be promoted until he shall have passed such examination before a board as the Secretary of the Navy may prescribe, and no warrant officer, heretofore or hereafter promoted six years from date of warrant, shall suffer a reduction in pay which, but for such promotion, would have been received by him: *Provided*, That chief boatswains, chief gunners, and chief machinists shall be eligible for appointment to the grade of ensign under the restrictions imposed by law upon the appointment of boatswains, gunners, and warrant machinists to that grade.—Act March 3, 1909.]

SEC. 15. That the pay of warrant machinists shall be the same as that of warrant officers, and they shall be retired under the provisions of existing law for warrant officers. Warrant machinists shall receive at first an acting appointment, which may be made permanent under regulations established by the Navy Department for other warrant officers. They shall take rank with other warrant officers according to date of appointment

and shall wear such uniform as may be prescribed by the Navy Department.

SEC. 16. That hereafter the term of enlistment of all enlisted men of the Navy shall be four years: *Provided*, That section fifteen hundred and seventy-three, Revised Statutes be amended to read: "If any enlisted man or apprentice, being honorably discharged, shall reenlist for four years within four months thereafter, he shall, on presenting his honorable discharge or on accounting in a satisfactory manner for its loss, be entitled to pay during the said four months equal to that to which he would have been entitled if he had been employed in actual service; and that any man who has received an honorable discharge from his last term of enlistment, or who has received a recommendation for reenlistment upon the expiration of his last term of service of not less than three years, who reenlists for a term of four years within four months from the date of his discharge, shall receive an increase of one dollar and thirty-six cents per month to the pay prescribed for the rating in which he serves for each consecutive reenlistment."

[TERM OF ENLISTMENT EXTENDED.—That the term of enlistment of all enlisted men of the United States Navy other than those who are enlisted during minority shall be four years.

[That the term of enlistment of any enlisted man in the Navy may, by his voluntary written agreement, under such regulations as may be prescribed by the Secretary of the Navy with the approval of the President, be extended for a period of either one, two, three, or four full years from the date of expiration of the then existing four-year term of enlistment, and subsequent to said date such enlisted men as extend the term of enlistment as authorized in this section shall be entitled to and shall receive the same pay and allowances in all respects as though regularly discharged and reenlisted immediately upon expiration of their term of enlistment, and such extension shall not operate to deprive them upon discharge at the termination thereof of any right, privilege, or benefit to which they would be entitled at the expiration of a four-year term of enlistment.—Act August 22, 1912.]

[That enlistments in the Navy and Marine Corps, during such time as the United States may be at war, shall be for four years or for such shorter period or periods as the President may prescribe, or for the period of the present war.—Act May 22, 1917.]

[DISCHARGE PRIOR TO EXPIRATION OF ENLISTMENT.—That under such regulations as the Secretary of the Navy may prescribe, with the approval of the President any enlisted man may be discharged at any time within three months before the expiration of his term of enlistment or extended enlistment without prejudice to any right, privilege, or benefit that he would have received, except

pay and allowances for the unexpired period not served, or to which he would thereafter become entitled, had he served his full term of enlistment or extended enlistment: *Provided*, That nothing in this act shall be held to reduce or increase the pay and allowances of enlisted men of the Navy now authorized pursuant to law.—Act August 22, 1912.]

[FURLOUGH OF ENLISTED MEN.—The Secretary of the Navy is hereby authorized to grant furlough without pay to enlisted men for a period covering the unexpired portion of their enlistment: *Provided*, That such furlough be granted under the same conditions and in lieu of discharge by purchase or by special order of the department. Enlisted men so furloughed shall be subject to recall in time of war or national emergency to complete the unexpired portion of their enlistment, and shall be in addition to the authorized number of enlisted men of the Navy.—Act August 29, 1916.]

[TRANSFER TO FLEET NAVAL RESERVE.—In addition to the enrollments in the Fleet Naval Reserve above provided, the Secretary of the Navy is authorized to transfer to the Fleet Naval Reserve at any time within his discretion any enlisted man of the naval service with twenty or more years' naval service, and any enlisted man, at the expiration of a term of enlistment who may be then entitled to an honorable discharge, after sixteen years' naval service: *Provided*, That such transfers shall only be made upon voluntary application and in the rating in which then serving, and the men so transferred shall be continued in the Fleet Naval Reserve until discharged by competent authority.—Act August 29, 1916.]

[APPOINTMENT AS MIDSHIPMEN.—Hereafter in addition to the appointment of midshipmen to the United States Naval Academy, as now prescribed by law, the President is hereby allowed fifteen appointments annually instead of ten as now prescribed by law, and the Secretary of the Navy is allowed twenty-five appointments annually, instead of fifteen as now prescribed by law, the latter to be appointed from the enlisted men of the Navy who are citizens of the United States, and not more than twenty years of age on the date of entrance to the Naval Academy, and who shall have served not less than one year as enlisted men on the date of entrance: *Provided*, That such appointments shall be made in the order of merit from candidates who have in competition with each other passed the mental examination now or hereafter required by law for entrance to the Naval Academy, and who passed the physical examinations required before entrance under existing laws.—Act August 29, 1916.]

[Hereafter, in addition to the appointment of midshipmen to the United States Naval Academy, as now prescribed by law, the Secretary of the Navy is allowed one hundred appointments annually, instead of twenty-

five as now prescribed by law, to be appointed from the enlisted men of the Navy who are citizens of the United States, and not more than twenty years of age on the date of entrance to the Naval Academy, and who shall have served not less than one year as enlisted men on the date of entrance: *Provided*, That such appointments shall be made in the order of merit from candidates who have, in competition with each other, passed the mental examination now or hereafter required by law for entrance to the Naval Academy, and who passed the physical examination before entrance under existing laws.—Act March 4, 1917.]

[That hereafter there shall be allowed at the United States Naval Academy five midshipmen for each Senator, Representative, and Delegate in Congress, one for Porto Rico, two for the District of Columbia, fifteen appointed each year at large, and one hundred appointed annually from enlisted men of the Navy, as now authorized by law.

SEC. 2. That all Acts or parts of Acts inconsistent with the provisions of this Act are hereby repealed.

Act December 20, 1917.]

[AGE LIMITS FOR CANDIDATES FOR ADMISSION TO NAVAL ACADEMY.—That hereafter all candidates for admission to the Naval Academy must be not less than sixteen years of age nor more than twenty years of age on April first of the calendar year in which they enter the academy: *Provided*, That the foregoing shall not apply to candidates for midshipmen designated for entrance to the academy in nineteen hundred and eighteen.

Act May 14, 1918.]

[The class of midshipmen graduated from the Naval Academy on March twenty-ninth, nineteen hundred and seventeen, and the classes to be graduated hereafter, may be commissioned effective from date of graduation.—Act May 22, 1917.]

[COURSE OF INSTRUCTION, NAVAL ACADEMY.—That the President be, and he is hereby, authorized, until August first, nineteen hundred and twenty-one, to reduce, in his discretion, the course of instruction at the United States Naval Academy from four to three years and to graduate classes which have completed such reduced courses of instruction.

Act April 2, 1918.]

[TO MAKE GOOD TIME LOST ON ACCOUNT OF MISCONDUCT.—Hereafter no officer or enlisted man in the Navy or Marine Corps in active service who shall be absent from duty on account of injury, sickness, or disease resulting from his own intemperate use of drugs or alcoholic liquors, or other misconduct, shall receive pay for the period of such absence, the time so absent and the cause thereof to be ascertained under such procedure and regulations as may be prescribed by the Secretary of the Navy: *Pro-*

vided, That an enlistment shall not be regarded as complete until the enlisted man shall have made good any time in excess of one day lost on account of injury, sickness, or disease resulting from his own intemperate use of drugs or alcoholic liquors, or other misconduct.—Acts August 29, 1916, and July 1, 1918.]

[ABSENCE WITHOUT LEAVE, PENALTY.—That the President is hereby authorized to drop from the rolls of the Navy or Marine Corps any officer thereof who is absent from duty without leave for a period of three months or more, or who, having been found guilty by the civil authorities of any offense, is finally sentenced to confinement in a State or Federal penitentiary: *Provided*, That no officer so dropped shall be eligible for reappointment. Act April 2, 1918.]

[SECTION 1573 R. S. FURTHER AMENDED.—That section fifteen hundred and seventy-three of the Revised Statutes of the United States as amended by section sixteen of an act entitled “An act to reorganize and increase the efficiency of the personnel of the Navy and Marine Corps of the United States,” approved March third, eighteen hundred and ninety-nine, be, and the same is hereby, amended to read as follows: ‘If any enlisted man or apprentice, being honorably discharged, shall reenlist for four years within four months thereafter, he shall, on presenting his honorable discharge or on accounting in a satisfactory manner for its loss, be entitled to a gratuity of four months’ pay equal in amount to that which he would have received if he had been employed in actual service: *Provided*, That any enlisted man in the Navy whose term of enlistment has been extended for an aggregate of four years shall, after the expiration of the preceding four-year term of enlistment upon which the extension is made and if otherwise entitled to an honorable discharge, be paid the gratuity above provided: *And provided*, That any man who has received an honorable discharge from his last term of enlistment, or who has received a recommendation for reenlistment upon the expiration of his last term of enlistment, who reenlists for a term of four years within four months from the date of his discharge, shall receive an increase of one dollar and thirty-six cents per month to the pay prescribed for the rating in which he serves for each successive reenlistment: *And provided further*, That an extension of the period of enlistment as hereinbefore authorized, aggregating four years, shall be held and considered as equivalent to continuous service with respect to all rights, privileges, and benefits granted for such service pursuant to law.—Act August 22, 1912.]

[ENLISTED STRENGTH, NAVY.—That the authorized enlisted strength of the active list of the Navy is hereby increased from eighty-seven thousand to one hundred and thirty-one thousand four hundred and eighty-five.—Act July 1, 1918.]

[That the phrase "authorized enlisted strength," as applied to the personnel of the Navy, shall mean the total number of enlisted men of the Navy authorized by law, exclusive of the Hospital Corps, apprentice seamen, those sentenced by court-martial to discharge, those detailed for duty with Naval Militia, those furloughed without pay, enlisted men of the Flying Corps, and those under instruction in trade schools: *Provided further*, That the number of enlisted men for instruction in trade schools shall not at any time exceed fourteen thousand, which number is hereby temporarily authorized.—Act July 1, 1918.]

[INCREASE IN PAY OF ENLISTED MEN.—The pay of all active and retired enlisted men of the Navy is hereby increased ten per centum: * * * The pay of all commissioned, warrant, and appointed officers and enlisted men of the Navy now on the retired list shall be based on the pay, as herein provided for, of commissioned, warrant, and appointed officers and enlisted men of corresponding rank and service on the active list; and all pay herein provided shall remain in force until changed by act of Congress. Nothing herein shall be construed so as to reduce the pay or allowances now authorized by law for any commissioned, warrant, or appointed officer or any enlisted man of the active or retired lists of the Navy, and all laws inconsistent with this provision are hereby repealed.—Act May 13, 1908.]

SEC. 17. That when an enlisted man or appointed petty officer has served as such thirty years in the United States Navy, either as an enlisted man or petty officer, or both, he shall, by making application to the President, be placed on the retired list hereby created, with the rank held by him at the date of retirement; and he shall thereafter receive seventy-five per centum of the pay and allowances of the rank or rating upon which he was retired: *Provided*, That if said enlisted man or appointed petty officer had active service in the Navy or in the Army or Marine Corps, either as volunteer or regular, during the civil or Spanish-American war, such war service shall be computed as double time in computing the thirty years necessary to entitle him to be retired: *And provided further*, That applicants for retirement under this section shall, unless physically disqualified for service, be at least fifty years of age.

[RETIREMENT OF ENLISTED MEN.—That in computing the necessary thirty years' time for the retirement of petty officers and enlisted men of the Navy, all service in the Army, Navy, or Marine Corps shall be credited.—Act June 22, 1906.]

[SAME.—That when an enlisted man shall have served thirty years either in the Army, Navy, or Marine Corps, or in all, he shall, upon making application to the President, be placed upon the retired list, with seventy-five per centum of the pay and allowances he may then be in re-

cept of, and that said allowances shall be as follows: Nine dollars and fifty cents per month in lieu of rations and clothing and six dollars and twenty-five cents per month in lieu of quarters, fuel, and light: *Provided*, That in computing the necessary thirty years' time all service in the Army, Navy, and Marine Corps shall be credited.

[SEC. 2. That all acts and parts of acts, so far as they conflict with the provisions of this act, are hereby repealed.—Act March 2, 1907.]

[SAME.—The period of time during which members of the naval reserve were actively employed with the Navy while enlisted in the naval reserve shall, for the purposes of retirement, be counted as active service in the Navy in the case of those who reenlist in the Navy after service in the naval reserve.—Act March 3, 1915.]

[SAME.—That enrolled members who shall have completed twenty years of service in the Naval Reserve Force, and who shall have performed the minimum amount of active service required in their class for maintaining efficiency during each term of enrollment, shall, upon their own application, be retired with the rank or rating held by them at the time, and shall receive in lieu of any pay, a cash gratuity equal to the total amount of their retainer pay during the last term of their enrollment. * * *

[Men transferred to the Fleet Naval Reserve shall be governed by the laws and regulations for the government of the Navy and shall not be discharged from the Naval Reserve Force without their consent, except by sentence of a court-martial. They may, upon their own request, upon completing thirty years' service, including naval and fleet naval reserve service, be placed on the retired list of the Navy with the pay they were then receiving plus the allowances to which enlisted men of the same rating are entitled on retirement after thirty years' naval service. They shall be required to keep on hand such part of the uniform-clothing outfit as may be prescribed by the Secretary of the Navy.—Act August 29, 1916.]

[SAME.—ACTIVE DUTY.—The Secretary of the Navy is authorized in time of war, or when, in the opinion of the President, war is threatened, to call any enlisted man on the retired list into active service for such duty as he may be able to perform. While so employed such enlisted men shall receive the same pay and allowances they were receiving when placed on the retired list: *Provided*, That enlisted men on the retired list shall not be eligible for enlistment in or transfer to the naval reserve.—Act March 3, 1915.]

[SAME.—The Secretary of the Navy is authorized in time of war or when a national emergency exists to call any enlisted man on the retired list into active service for such duty as he may be able to perform. While so employed such enlisted men shall receive the same pay

and allowances they were receiving when placed on the retired list.—Act August 29, 1916.]

[SAME.—That any enlisted man of the Navy or Marine Corps upon the retired list who has been ordered into active service since April sixth, nineteen hundred and seventeen, or who may hereafter be ordered into active service, shall be eligible for promotion and he shall be entitled to the pay and benefits of continuous service of such rank and for such length of time as he is or has been employed in active service, and when relieved of active service shall retain upon the retired list the rank and service held by him at the time of such relief, with the pay and allowances of such rank on the retired list; and the accounting officers of the Treasury are hereby directed to allow in the accounts of any enlisted man of the Navy or Marine Corps who resigned from the retired list in order to reenlist for appointment in a higher grade, the same continuous service pay and the benefits of such rank to which he may have been appointed upon reenlistment, as if his service had been continuous, and any difference in pay from the date of reenlistment shall be credited to his account.—Act July 1, 1918.]

SEC. 18. That from and after the date of the approval of this act the active list of the line officers of the United States Marine Corps shall consist of one brigadier-general commandant, five colonels, five lieutenant-colonels, ten majors, sixty captains, sixty first lieutenants and sixty second lieutenants: *Provided*, That vacancies in all grades in the line created by this section shall be filled as far as possible by promotion by seniority from the line officers on the active list of said Corps: *And provided further*, That the commissions of officers now in the Marine Corps shall not be vacated by this act: *And provided further*, That vacancies in the grade of brigadier-general shall be filled by selection from officers on the active list of the Marine Corps not below the grade of field officer.

[INCREASE IN NUMBER OF LINE OFFICERS.—That from and after the passage of this act, and in order to further increase the efficiency of the Marine Corps, the following additional officers, * * * to those now provided by law for said corps, are hereby authorized and directed, namely: One colonel, one lieutenant-colonel, five majors, twelve captains, twenty-five first lieutenants, twelve second lieutenants.—Act March 3, 1903.]

[SAME.—That from and after the passage of this act, and in order to further increase the efficiency of the United States Marine Corps, the following additional officers, * * * to those now provided by law for said corps are hereby authorized and directed, namely: One major-general commandant, in lieu of the present brigadier-general commandant; one colonel; one lieutenant-colonel; two majors; eighteen captains; seven first lieutenants; fourteen second lieutenants.—Act May 13, 1908.]

[SAME.—The rank and title of Major General is hereby created in the Marine Corps, and the President is authorized to nominate, and, by and with the advice and consent of the Senate, to appoint one Major General, who shall at all times be junior in rank to the Major General Commandant, and also one temporary Major General in the Marine Corps, who shall at all times be junior to the permanent Major General.—Act July 1, 1918.]

[APPOINTMENT OF COMMANDANT FOR FOUR YEARS.—That hereafter when a vacancy shall exist in the position of commandant of the Marine Corps the President may appoint to such position, by and with the advice and consent of the Senate, an officer of the Marine Corps on the active list not below the grade of field officer, who shall hold office as such commandant for a term of four years, unless sooner relieved, and who, while so serving, shall have the rank, pay, and allowances of a major general in the Army; and any officer appointed under the provisions of this Act who shall be retired from the position of commandant of the Marine Corps, in accordance with the provisions of sections twelve hundred and fifty-one, sixteen hundred and twenty-two, sixteen hundred and twenty-three, Revised Statutes of the United States, or by reason of age or length of service, shall have the rank and retired pay of a major general; if retired for any other reason, he shall be placed on the retired list of officers of the grade to which he belonged at the time of his retirement: *Provided*, That an officer serving as commandant shall be carried as an additional number in his grade while so serving, and after his return to duty in his grade until said grade is reduced to the number authorized by law: *Provided further*, That nothing herein contained shall operate to increase or reduce the total number of officers in the Marine Corps now provided by law.—Act December 19, 1913.]

[NUMBER AND RANK OF MARINE OFFICERS.—Hereafter the total number of commissioned officers of the active list of the line and staff of the Marine Corps, exclusive of officers borne on the Navy list as additional numbers, shall be four per centum of the total authorized enlisted strength of the active list of the Marine Corps, exclusive of the Marine Band, and of men under sentence of discharge by court-martial, distributed in the proportion of one officer with rank senior to colonel to four with the rank of colonel, to five with the rank of lieutenant colonel, to fourteen with the rank of major, to thirty-seven with the rank of captain, to thirty-one with the rank of first lieutenant, to thirty-one with the rank of second lieutenant: * * * *Provided further*, That in determining the officers with rank senior to colonel there shall be included the officer serving as major general commandant: *And provided further*, That appointments hereafter made to the position of major general commandant under the provisions of the Act approved December nineteenth,

nineteen hundred and thirteen, entitled "An Act to make the tenure of office of the major general commandant of the Marine Corps for a term of four years," shall be made from officers of the active list of the Marine Corps not below the rank of colonel: *Provided further*, That the officers serving in the senior grade of the Adjutant and Inspector's, Quartermaster's, and Paymaster's Departments shall, while serving therein, have the rank, pay, and allowances of a brigadier general: *And provided further*, That for the purpose of determining the number of officers in the various ranks as herein provided such staff officers shall be counted as being of the rank of colonel: *And further provided*, That officers holding permanent appointments in the staff departments shall not be eligible for appointment to the grade of brigadier general of the line as hereinbefore provided.—Act August 29, 1916.]

[MARINE WARRANT OFFICERS.—That the warrant grades of marine gunner and quartermaster clerk are hereby established, and the appointment as herein prescribed of twenty marine gunners and twenty quartermaster clerks is hereby authorized. Officers in those grades shall have the rank and receive the pay, allowances and privileges of retirement of warrant officers in the Navy. They shall be appointed from the noncommissioned officers of the Marine Corps and clerks to quartermasters now serving as such and who have performed field service.—Act August 29, 1916.]

[That the appointment of thirty marine gunners, thirty quartermaster's clerks, and nine clerks to assistant paymasters, additional to the number now prescribed by law * * * is hereby authorized, such appointments to be made in the manner now provided by law.—Act May 22, 1917.]

[That marine gunners and quartermaster clerks of the Marine Corps assigned to foreign shore service shall hereafter be entitled to the same increased compensation and under the same conditions as is now or hereafter allowed by law to commissioned officers of the Marine Corps.—Act March 4, 1917.]

[The title of clerks for assistant paymasters is hereby changed to pay clerk, who shall hereafter receive the same pay, allowances, and other benefits now provided by law for clerks for assistant paymasters; and the total number of pay clerks shall not exceed ten for duty in the office of the paymaster, Marine Corps, fifteen for duty in the paymaster's department at large, and one for each assistant paymaster: *Provided*, That nothing herein contained shall shall be construed to reduce the pay, allowances, or other benefits granted by existing law to any clerk for assistant paymaster now in service.—Act July 1, 1918.]

[TRANSFER OF RETIRED OFFICERS TO ACTIVE LIST.—The President is hereby authorized, within two years after the approval of this Act, by and with the advice and consent of the Senate, to transfer to the active list of the

Marine Corps or Navy Pay Corps any officer under fifty years of age who may have been transferred from the active list to the retired list of the Marine Corps or Navy Pay Corps by the action of any retiring board for physical disability incurred in the line of duty: *Provided*, That such officer shall be transferred to the place on the active list which he would have had if he had not been retired, and shall be carried as an additional number in the grade to which he may be transferred or at any time thereafter promoted: *Provided further*, That such officer shall establish to the satisfaction of the Secretary of the Navy his mental, moral, professional, and physical qualifications to perform the duties on the active list of the grade to which he is transferred.—Act August 29, 1916.]

RETIREMENT FOR CIVIL WAR SERVICE.—That officers of the Marine Corps with creditable records who served during the civil war shall, when retired, be retired in like manner and under the same conditions as provided for officers of the Navy who served during the civil war.—Act April 27, 1904.]

[SAME.—That any officer of the Marine Corps below the grade of brigadier-general who served with credit as an officer or as an enlisted man in the regular or volunteer forces during the civil war prior to April ninth, eighteen hundred and sixty-five, otherwise than as a cadet, and whose name is borne on the official register of the Marine Corps, and who has heretofore been, or may hereafter be, retired on account of wounds or disability incident to the service, or on account of age or after forty years' service, may, in the discretion of the President, by and with the advice and consent of the Senate be placed on the retired list of the Marine Corps with the rank and retired pay of one grade above that actually held by him, at the time of retirement: *Provided*, That this act shall not apply to any officer who received an advance of grade since the date of his retirement or who has been restored to the Marine Corps and placed on the retired list by virtue of the provisions of a special act of Congress.—Act June 29, 1906.]

SEC. 19. That the vacancies existing in said Corps after the promotions and appointments herein provided for shall be filled by the President from time to time, whenever the actual needs of the naval service require it, first, from the graduates of the Naval Academy in the manner now provided by law; or, second, from those who are serving or who have served as second lieutenants in the Marine Corps during the war with Spain; or, third, from meritorious noncommissioned officers of the Marine Corps; or, fourth, from civil life: *Provided*, That after said vacancies are once filled there shall be no further appointments from civil life.

[FILLING OF VACANCIES.—That the vacancies now existing in the line and the staff departments of the Marine Corps and those created by this act below the grade of

brigadier-general shall be filled, respectively, first by promotion by seniority and then by selection and appointment as now provided by law excepting that vacancies in the grade of second lieutenant shall be filled first, as far as practicable, from graduates of the Naval Academy each year on completing the prescribed course at the Naval Academy, exclusive of the probationary tour of sea service before final graduation, then from meritorious noncommissioned officers and from civil life between the ages of twenty-one and twenty-seven years.—Act March 3, 1903.]

[SAME.—That the vacancies now existing in the line and staff departments of the United States Marine Corps and those created by this act shall be filled in the manner provided by law.—Act May 13, 1908.]

[SAME.—That brigadier generals shall be appointed from officers of the Marine Corps senior in rank to lieutenant colonel: *Provided further*, That the promotion to the grade of brigadier general of any officer now or hereafter carried as an additional number in the grade or with the rank of colonel shall be held to fill a vacancy in the grade of brigadier general: * * *

[That for the purpose of advancement in rank to and including the grade of colonel, all commissioned officers of the line and staff of the Marine Corps shall be placed on a common list in the order of seniority each would hold had he remained continuously in the line. All advancements in rank to captain, major, lieutenant colonel, and colonel shall, subject to the usual examinations, be made from officers with the next junior respective rank, whether of the line or staff, in the order in which their names appear on said list.

[Appointees to the grade of second lieutenant, if appointed from civil life, shall be between the ages of twenty and twenty-five years, and before receiving a commission in the Marine Corps, each appointee shall establish to the satisfaction of the Secretary of the Navy his mental, physical, moral, and professional qualifications for such commission: *Provided*, That the President of the United States be, and hereby is, authorized, by and with the advice and consent of the Senate, to appoint as second lieutenants on the active list in the United States Marine Corps, to take rank at the foot of the list of second lieutenants as it stands at the date of reinstatement, former officers of the Marine Corps who resigned from the naval service in good standing: *Provided*, That they shall establish their normal, physical, mental, and professional qualifications to perform the duties of that grade to the satisfaction of the Secretary of the Navy: *Provided further*, That the Secretary of the Navy, in his discretion, may waive the age limit in favor of the aforesaid former officers of the Marine Corps: *Provided further*, That the prior service of such officers and the service after reinstatement shall be not less than thirty years before the

age of retirement. That appointments from noncommissioned officers of the Marine Corps and from civil life shall be for a probationary period of two years and may be revoked at any time during that period by the Secretary of the Navy: *Provided further*, That the rank of such officers of the same date of appointment among themselves at the end of said probationary period shall, with the approval of the Secretary of the Navy, be determined by the report of a board of Marine officers who shall conduct a competitive professional examination under such rules as may be prescribed by the Secretary of the Navy and the rank of such officers so determined shall be as of date of original appointment with reference to other appointments to the Marine Corps: *Provided further*, That no midshipman at the United States Naval Academy or cadet at the United States Military Academy who fails to graduate therefrom shall be eligible for appointment as a commissioned officer in the Marine Corps until after the graduation of the class of which he was a member.—Act August 29, 1916.]

SEC. 20. That no person except such officers or former graduates of the Naval Academy as have served in the war with Spain, as hereinbefore provided for, shall be appointed a commissioned officer in the Marine Corps who is under twenty or over thirty years of age; and that no person shall be appointed a commissioned officer in said corps until he shall have passed such examination as may be prescribed by the President of the United States, except graduates of the Naval Academy, as above provided. That the officers of the Marine Corps above the grade of captain, except brigadier-general, shall, before being promoted, be subjected to such physical, mental, and moral examination as is now, or may hereafter be, prescribed by law for other officers of the Marine Corps.

[APPOINTMENTS AS SECOND LIEUTENANTS.—Act August 29, 1916; see note to section 19.]

[PROMOTION OF MARINE OFFICER PHYSICALLY INCAPACITATED FOR DUTIES AT SEA.—The provisions of sections fourteen hundred and ninety-three and fourteen hundred and ninety-four of the Revised Statutes of the United States shall apply to the Marine Corps.—Act August 29, 1916.]

[PROFESSIONAL FAILURE OF OFFICER EXAMINED FOR PROMOTION.—In lieu of suspension from promotion of any officer of the Marine Corps who hereafter fails to pass a satisfactory professional examination for promotion, or who is now under suspension from promotion by reason of such failure, such officer shall suffer loss of numbers, upon approval of the recommendation of the examining board, in the respective ranks, as follows: Lieutenant colonel, one; major, two; captain, three; first lieutenant, five; second lieutenant, eight: *Provided* That any such officer shall be reexamined as soon as may be expedient

after the expiration of six months if he in the meantime again becomes due for promotion, and if he does not in the meantime again become due for promotion he shall be reexamined at such time anterior to again becoming due for promotion as may be for the best interests of the service: *Provided further*, That if any such officer fails to pass a satisfactory professional reexamination he shall be honorably discharged with one year's pay from the Marine Corps.—Act August 29, 1916.]

SEC. 21. That upon the passage of this act not more than forty-five of the captains, forty-five first lieutenants and forty-five second lieutenants herein provided for shall be appointed; fifteen captains, fifteen first lieutenants and fifteen second lieutenants to be appointed subsequently to January first, nineteen hundred.

SEC. 22. That the staff of the Marine Corps shall consist of one adjutant and inspector, one quartermaster and one paymaster, each with the rank of colonel; one assistant adjutant and inspector, two assistant quartermasters and one assistant paymaster, each with the rank of major; and three assistant quartermasters with the rank of captain. That the vacancies created by this act in the departments of the adjutant and inspector and paymaster shall be filled first by promotion according to seniority of the officers in each of these departments respectively, and then by selection from the line officers on the active list of the Marine Corps not below the grade of captain, and who shall have seen not less than ten years' service in the Marine Corps. That the vacancies created by this act in the quartermaster's department of said corps shall be filled, first by promotion according to seniority of the officers in this department, and then by selection from the line officers on the active list of said corps not below the grade of first lieutenant: *Provided*, That all vacancies hereafter occurring in the staff of the Marine Corps shall be filled first by promotion according to seniority of the officers in their respective departments, and then by selection from officers of the line on the active list, as hereinbefore provided for.

[STAFF OF THE MARINE CORPS.—That from and after the passage of this act, and in order to further increase the efficiency of the Marine Corps, the following additional officers, * * * to those now provided by law for said corps, are hereby authorized and directed, namely: * * * one assistant adjutant and inspector with the rank of lieutenant-colonel, two assistant adjutants and inspectors with the rank of major, one assistant quartermaster, with the rank of lieutenant-colonel, five assistant quartermasters with the rank of captain, one assistant paymaster with the rank of lieutenant-colonel, one assistant paymaster with the rank of captain, * * *: *Provided*, That the vacancies now existing in the line and the staff departments of the Marine Corps and those created by this act below the grade of brigadier-

genera shall be filled, respectively, first by promotion of seniority and then by selection and appointment as now provided by law, excepting that vacancies in the grade of second lieutenant shall be filled first, as far as practicable, from graduates of the Naval Academy each year on completing the prescribed course at the Naval Academy, exclusive of the probationary tour of sea service before final graduation, then from meritorious noncommissioned officers and from civil life between the ages of twenty-one and twenty-seven years: *Provided*, That the commissions of officers now in the Marine Corps shall not be vacated by this act: *And provided further*, That officers selected for appointment to fill vacancies in the grade of field officers in any of the staff departments shall be taken from officers on the active list not below the grade of captain and who have seen not less than seven years' service as commissioned officers in the Marine Corps. And that appointments to the grade of captain in any of the staff departments shall be made from officers on the active list of the Marine Corps not below the grade of first lieutenant.—Act March 3, 1903.]

[SAME.—That from and after the passage of this act, and in order to further increase the efficiency of the United States Marine Corps, the following additional officers, * * * those now provided by law for said corps are hereby authorized and directed, namely: * * * one assistant adjutant and inspector, with the rank of lieutenant-colonel; one assistant quartermaster, with the rank of lieutenant-colonel; one assistant quartermaster, with the rank of major, and three assistant quartermasters, with the rank of captain; one assistant paymaster, with the rank of major; one assistant paymaster, with the rank of captain; * * *

[That the vacancies now existing in the line and staff departments of the United States Marine Corps and those created by this act shall be filled in the manner provided by law.—Act May 13, 1908.]

[SAME.—That the officers serving in the senior grade of the Adjutant and Inspector's, Quartermaster's, and Paymaster's Departments shall, while serving therein, have the rank, pay, and allowances of a brigadier general: *And provided further*, That for the purpose of determining the number of officers in the various ranks as herein provided such staff officers shall be counted as being of the rank of colonel: *And provided further*, That officers holding permanent appointments in the staff departments shall not be eligible for appointment to the grade of brigadier general of the line as hereinbefore provided.

[The total commissioned personnel of the active list of the staff departments, whether serving therein under permanent appointments or under temporary detail, as herein provided, shall be eight per centum of the authorized commissioned strength of the Marine Corps, and of this total one-fifth shall constitute the adjutant

and inspector's department, one-fifth the paymaster's department, and three-fifths the quartermaster's department.

[No further permanent appointments shall be made in any grade in any staff department. Any vacancy hereafter occurring in the lower grade of any staff department shall be filled by the detail of an officer of the line for a period of four years unless sooner relieved; any vacancy hereafter occurring in the upper grade of any staff department shall be filled by the appointment of an officer with the rank of colonel holding a permanent appointment in the staff department in which the vacancy exists, or of some other officer holding a permanent appointment in such staff department in case there be no permanent staff officer with the rank of colonel in that department, or of a colonel of the line in case there be no officer holding a permanent appointment in such staff department. Such appointments shall be made by the President and be for a term of four years, and the officer so appointed shall be recommissioned in the grade to which appointed.

[That prior to June thirtieth, nineteen hundred and eighteen, an officer holding a permanent appointment in any staff department may, upon his own application, with the approval of the President, be reappointed in the line of the Marine Corps in the grade and with the rank he would hold on the date of his reappointment if he had remained continuously in the line: *Provided*, That no officer holding a permanent appointment in any staff department shall be recommissioned in the line with the rank of colonel or lieutenant colonel: *Provided further*, That such staff officer shall, before being reappointed in the line of the Marine Corps as above provided, perform line duties for one year, at the expiration of which time he shall as a prerequisite to reappointment in the line be required to establish to the satisfaction of an examining board consisting of line officers of the Marine Corps his physical, mental, and professional fitness for the performance of line duty.

[That for the purpose of advancement in rank to and including the grade of colonel, all commissioned officers of the line and staff of the Marine Corps shall be placed on a common list in the order of seniority each would hold had he remained continuously in the line. All advancements in rank to captain, major, lieutenant colonel, and colonel shall, subject to the usual examinations, be made from officers with the next junior respective rank, whether of the line or staff, in the order in which their names appear on said list.—Act August 29, 1916.]

SEC. 23. That the enlisted force of the Marine Corps shall consist of five sergeant majors, one drum major, twenty quartermaster sergeants, seventy-two gunnery ser-

geants with the rank and allowance of the first sergeant, and whose pay shall be thirty-five dollars per month; sixty first sergeants; two hundred and forty sergeants; four hundred and eight corporals; eighty drummers; eighty trumpeters; and four thousand nine hundred and sixty-two privates.

[NUMBER OF ENLISTED MEN, MARINE CORPS.—In addition to the enlisted force of the Marine Corps now authorized by law there may be enlisted ten gunnery-sergeants, forty sergeants, sixty corporals, ten drummers, ten trumpeters, and six hundred and twenty privates.—Act July 1, 1902.]

[SAME.—That from and after the passage of this act, and in order to further increase the efficiency of the Marine Corps, the following additional * * * non-commissioned officers, drummers, trumpeters, and privates to those now provided by law for said corps, are hereby authorized and directed, namely: * * * one sergeant-major, forty quartermaster-sergeants, twelve first sergeants, sixty-five sergeants, fifty-five corporals, ten drummers, ten trumpeters, and five hundred and twenty-seven privates.—Act March 31, 1903.]

[SAME.—That from and after the passage of this act, and in order to further increase the efficiency of the United States Marine Corps, the following additional * * * noncommissioned officers, drummers, trumpeters, and privates to those now provided by law for said corps are hereby authorized and directed, namely: * * * two sergeant-majors; fifteen quartermaster-sergeants, five of whom are to serve in the pay department; twenty first sergeants; fifty sergeants; one hundred and twenty-five corporals; ten drummers; ten trumpeters; and five hundred and eighteen privates: *Provided*, That hereafter the number of enlisted men in the United States Marine Corps shall be such as the Congress may from time to time authorize.—Act May 13, 1908.]

[SAME.—Pay of enlisted men, active list: Pay of non-commissioned officers, musicians, and privates, as prescribed by law, and for the following additional enlisted men hereby authorized: Four sergeants major, four quartermaster sergeants, twelve first sergeants, four gunnery sergeants, eighteen sergeants, thirty-five corporals, four drummers, four trumpeters, and three hundred and fifteen privates.—Act August 22, 1912.]

[SAME.—That the number of gunnery sergeants heretofore authorized is increased by twenty; that the number of sergeants heretofore authorized is increased by twenty; that the number of corporals heretofore authorized is increased by seventy; and that the number of privates heretofore authorized is decreased by one hundred and ten.—Act March 3, 1915.]

[SAME.—Pay of enlisted men, active list: Pay and allowances of noncommissioned officers, musicians, and

privates, as prescribed by law, and for the following additional enlisted men hereby authorized: Twenty-eight sergeants major, one hundred and seventeen quartermaster sergeants, one hundred and seven first sergeants, one hundred and seven gunnery sergeants, five hundred sergeants, eight hundred and thirty-five corporals, fifty drummers, fifty trumpeters, three thousand two hundred and thirty-five privates; and hereafter the number of enlisted men of the Marine Corps shall be exclusive of those sentenced by court-martial to discharge. * * *

[The President is authorized, when, in his judgment, it becomes necessary to place the country in a complete state of preparedness, to further increase the enlisted strength of the Marine Corps to seventeen thousand four hundred: *And provided*, That the distribution in the various grades shall be in the same proportion as that authorized at the time when the President avails himself of the authority herein granted.—Act August 29, 1916.]

[That the authorized enlisted strength of the active list of the Marine Corps is hereby temporarily increased from seventeen thousand four hundred to seventy-five thousand and five hundred, this authorized strength being distributed in the various grades of the enlisted force in the same proportion as those authorized at the date of the approval of this Act: *Provided*, That not more than twenty-five per centum of the authorized number of privates in the Marine Corps shall have the rank of private, first class, which rank is hereby established in the Marine Corps.—Act July 1, 1918.]

SEC. 24. That the band of the United States Marine Corps shall consist of one leader, with the pay and allowances of a first lieutenant; one second leader, whose pay shall be seventy-five dollars per month, and who shall have the allowances of a sergeant-major; thirty first-class musicians, whose pay shall be sixty dollars per month; and thirty second-class musicians, whose pay shall be fifty dollars per month and the allowances of a sergeant; such musicians of the band to have no increased pay for length of service.

[MARINE BAND.—That the band of the United States Marine Corps shall consist of one leader, whose pay and allowances shall be those of a captain in the Marine Corps; one second leader, whose pay shall be \$150 per month and who shall have the allowances of a sergeant major; ten principal musicians, whose pay shall be \$125 per month; twenty-five first-class musicians, whose pay shall be \$100 per month; twenty second-class musicians, whose pay shall be \$85 per month; and ten third-class musicians, whose pay shall be \$70 per month; such musicians of the band to have the allowances of a sergeant and to have no increase in the rates of pay on account of length of service: *Provided*, That a member of the said band shall not, as an individual, furnish music, or accept

an engagement to furnish music, when such furnishing of music places him in competition with any civilian musician or musicians, and shall not accept or receive remuneration for furnishing music except under special circumstances when authorized by the President.—Act August 29, 1916.]

SEC. 25. That the oath of allegiance now provided for the officers and men of the Army and Marine Corps shall be administered hereafter to the officers and men of the Navy.

SEC. 26. That all acts and parts of acts, so far as they conflict with the provisions of this act, are hereby repealed.

Approved, March 3, 1899.

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Table 1.—APPROPRIATIONS FOR THE NEW NAVY, FEB. 22, 1888, TO JULY 1, 1918.

[Compiled from Treasury Department warrants (i. e., certificates) of moneys appropriated for the Naval Establishment.]

	1884	1885	1886	1887	1888	1889	1890	1891
SECRETARY'S OFFICE.								
Pay, miscellaneous.....	\$301,834.97	\$341,500.88	\$611,954.97	\$238,203.45	\$219,427.62	\$284,615.41	\$281,784.31	\$259,423.99
Contingent Navy.....	100,141.25	57,506.59	76,834.05	10,000.00	7,000.00	58,142.72	7,000.00	7,000.00
Mileage, Navy and Marine Corps.....			209,806.86	144,453.71		30,051.37	3,905.26	53,034.29
NAVIGATION.								
Contingent.....	4,215.33	4,234.40	7,557.43	5,178.13	5,000.00	5,490.22	5,182.32	15,000.00
Gunnery exercises.....								6,000.00
Ocean and lake surveys.....								10,000.00
Naval Home, Philadelphia, Pa.....								73,115.00
Naval Asylum.....	59,813.00	59,813.00	59,867.00	63,067.00	63,167.00	82,367.00	68,517.00	
Transportation and recruiting.....	40,000.00	33,524.50	46,588.10	26,990.46	27,406.04	30,920.74	31,632.88	
Survey, west coast Mexico, Hydrographic Office.....				310.88				
Velocity of light, Nautical Almanac.....				14.56				
Ocean surveys.....	10,000.00	10,000.00	10,000.00	4,000.00	5,000.00	5,000.00	5,000.00	
Publication of surveys, Mexican coast.....				7,000.00	5,000.00	5,000.00	5,000.00	
Outfits for naval apprentices.....								30,000.00
Naval training station, navigation.....				6,234.20		10,000.00		14,000.00
Naval War College and torpedo school.....	100,000.00	87,500.00	95,038.83	83,990.66	83,500.00	97,818.67	106,151.38	10,000.00
Navigation and navigation supplies.....			7,000.00	2,000.00		32.89		
Compass-testing house.....	5,000.00	5,000.00	5,000.00	9,000.00	9,000.00	9,300.00	9,000.00	
Civil establishment.....								
ORDNANCE.								
Ordnance and ordnance stores.....	150,000.00	125,000.00	147,660.26	109,300.00	126,400.00	283,000.00	141,000.00	144,000.00
Torpedoes.....	100,000.00				50,000.00			
Torpedo station, Newport, R. I.....								60,000.00
Torpedo Corps.....	50,000.00	50,001.00	62,579.79	58,500.00	57,800.00	65,700.00	75,000.00	
Torpedo Corps and War College.....								
Testing American armor.....			25,000.00					
Testing torpedoes.....								
Repairs, Ordnance.....	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	20,000.00
Contingent, Ordnance.....	5,022.82	5,632.69	7,311.30	5,272.56	9,739.01	6,549.79	6,762.74	15,000.00
Civil establishment, Ordnance.....	5,000.00	5,000.00	5,000.00	23,204.00	24,525.00	24,525.00	24,525.00	8,421.42
Steel rifled breech-loading guns.....								26,624.00
Wire-wound guns.....	83,265.00	41,632.50	4,000.00					
Breech-loading rifled cannon.....			80,000.00					
Submarine guns.....								30,000.00
Purchase of armor plates.....								50,000.00

Table 1.—APPROPRIATIONS FOR THE NEW NAVY, FEB. 22, 1883, TO JULY 1, 1918—Continued.

	1884	1885	1886	1887	1888	1889	1890	1891
EQUIPMENT.								
Equipment of vessels.....	\$80,000.00	\$750,463.30	\$1,201,068.69	\$782,200.00	\$625,000.00	\$735,066.87	\$775,000.00	\$913,550.00
Civil establishment, Equipment.....	9,000.00	9,000.00	9,000.00	16,800.00	11,525.00	11,525.00	11,525.00	19,025.00
Contingent, Equipment.....	18,584.77	11,190.18	42,786.02	20,000.00	15,951.14	16,130.94	15,000.00	10,459.05
Electric welding machine.....								12,000.00
YARDS AND DOCKS.								
Maintenance, Yards and Docks.....	264,000.00	200,000.00	200,000.00	170,000.00	170,000.00	165,000.00	165,000.00	230,000.00
Contingent, Yards and Docks.....	20,000.00	15,000.00	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00
Civil establishment, Yards and Docks.....	24,000.00	24,000.00	24,000.00	62,000.00	45,893.09	46,580.70	46,754.60	53,986.04
PUBLIC WORKS, BUREAU OF YARDS AND DOCKS.								
Navy yard:								
Petersmouth, N. H.....					25,000.00	32,000.00	28,610.00	62,430.00
Boston, Mass.....						143,340.47	55,000.00	50,000.00
Brooklyn, N. Y.....	100,000.00	30,000.00	30,000.00	100,000.00		75,000.00	101,416.40	170,000.00
League Island, Pa.....						1,000.00	15,000.00	145,000.00
Washington, D. C.....	15,000.00					114,488.00	16,000.00	15,000.00
Norfolk, Va.....					20,000.00	54,700.00	16,000.00	40,000.00
Mare Island, Cal.....	275,000.00	250,000.00	276,000.00	213,585.00	46,364.00		145,755.40	80,000.00
Naval station:								
New London, Conn.....								6,500.00
And coaling depot—								
Port Royal, S. C., site for.....	5,000.00			4,000.00		1,628.00	2,000.00	
Port Royal, S. C.....							8,000.00	
Key West, Fla.....							100,000.00	1,000.00
Pago Pago, Samoa.....							798.57	
Naval wharf, Key West, Fla.....						50,000.00	90,000.00	
Purchase of land adjacent to Naval Academy.....				50,000.00	60,000.00	50,000.00	240,000.00	
New Naval Observatory.....					40,000.00			25,000.00
Naval proving ground, Indianhead, Md.....						14,000.00	20,000.00	
Naval training station, Coasters Harbor, R. I.....	45,000.00	21,000.00	33,000.00	8,000.00	14,000.00	30,000.00	100,000.00	
Boathouses for steam launches.....								
Building, naval torpedo station and War College.....							140,000.00	
Purchase or construction of four steel tugs.....					1,100,000.00			
Timber dry docks.....								
Navy yard—								
Boston, dry dock.....					31,000.00			
League Island, timber dry dock.....						550,000.00		
Construction of dry dock, Port Royal, S. C.....								200,000.00
Adjustable stern dock.....						30,000.00		

Table 1.—APPROPRIATIONS FOR THE NEW NAVY, FEB. 22, 1888, TO JULY 1, 1918—Continued.

	1884	1885	1886	1887	1888	1889	1890	1891
STEAM ENGINEERING.								
Steam machinery.....	\$1,000,000.00	\$920,000.00	\$1,053,046.13	\$783,000.00	\$875,000.00	\$605,000.00	\$605,000.00	\$680,000.00
Civil establishment, Steam Engineering.....	10,000.00	10,000.00	10,000.00	27,667.25	17,200.00	17,018.63	17,000.00	11,900.00
Contingent, Steam Engineering.....	1,000.00	1,000.00	1,000.00	500.00	500.00	1,000.00	1,000.00	1,000.00
Machinery, double-turreted monitors.....	1,000,000.00							
Testing Clark's defective turrets.....	20,000.00							
Machinery plants:								
Navy yard—								
Boston, Mass.....								40,000.00
New York, N. Y.....								75,000.00
Marine Island, Cal.....								50,000.00
NAVAL ACADEMY.								
Pay, Naval Academy.....	98,882.73	98,886.10	98,899.45	103,731.97	104,080.45	104,013.45	104,013.45	104,217.45
Special course, Naval Academy.....	17,000.00	17,000.00	17,000.00	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00
Heating and lighting, Naval Academy.....	44,400.00	44,763.61	44,517.83	17,000.00	17,000.00	17,000.00	17,000.00	17,000.00
Contingent, Naval Academy.....	21,000.00	21,000.00	21,000.00	42,300.00	41,800.00	41,800.00	41,800.00	41,800.00
Repairs, Naval Academy.....				21,000.00	36,000.00	21,000.00	21,000.00	21,000.00
Furniture for cadets' quarters, Naval Academy.....								6,500.00
Furnishing gymnasium, Naval Academy.....							2,500.00	5,000.00
MARINE CORPS.								
Pay, Marine Corps.....	642,985.00	653,517.35	649,671.91	649,686.00	654,874.97	673,807.66	685,708.35	687,471.79
Provisions, Marine Corps.....	60,002.46	77,004.44	81,257.79	62,500.00	62,205.43	63,185.05	64,817.64	66,137.72
Clothing, Marine Corps.....	77,000.00	77,000.00	77,000.00	55,384.00	75,270.83	65,000.00	74,827.00	75,000.00
Fuel, Marine Corps.....	18,000.00	18,000.00	18,000.00	18,000.00	18,000.00	18,000.00	18,000.00	20,000.00
Military stores, Marine Corps.....	9,788.50	9,788.50	9,788.50	9,788.50	9,707.60	20,778.60	21,530.12	22,000.00
Transportation and recruiting, Marine Corps.....	10,000.00	21,188.62	17,759.68	10,000.00	9,843.95	10,788.50	12,000.00	12,000.00
Repairs of barracks, Marine Corps.....	15,500.00	15,182.20	14,500.00	16,684.21	14,500.00	10,788.00	10,779.00	17,000.00
Torpedo, Marine Corps.....	6,400.00	5,400.00	5,400.00	16,684.21	6,624.00	6,599.38	6,571.80	6,500.00
Hire of quarters, Marine Corps.....				4,500.00	6,624.00	6,599.38	6,571.80	6,500.00
Contingent, Marine Corps.....	25,721.86	26,348.66	27,538.83	26,946.19	26,545.90	28,837.07	30,887.79	29,804.26
INCREASE OF THE NAVY.								
Construction and machinery.....						3,500,000.00	4,055,000.00	5,475,000.00
Armor and armament.....						2,000,000.00	2,500,000.00	2,500,000.00
Armament.....								
Vessels and monitors.....								
Gunboats and cruisers.....								
Vessels for coast and harbor defense.....								

Table 1.—APPROPRIATIONS FOR THE NEW NAVY, FEB. 22, 1883, TO JULY 1, 1918—Continued.

	1884	1885	1886	1887	1888	1889	1890	1891
MISCELLANEOUS—continued.								
Payment to captain and owners North Star, rescue crew U. S. S. Rogers		\$20,000.00						
Payment to H. H. Nichols for engraving Bowditch Navigator		2,581.79						
Purchase of farmers' house, Coasters Harbor Island, R. I.		140,000.00						\$2,250.00
Purchase of steamer Stiletto					\$25,000.00			
Relief of survivors and others exploring steamer Jeannette					16,956.28			
Relief of sufferers by wreck of the U. S. S. Ashuelot					12,822.00			
Relief of Lady Franklin Bay expedition to Arctic regions		\$762,933.15						
Relief of sufferers by wreck of United States steamers at Apia, Samoa								201,878.73
Relief of officers and crew U. S. S. Rodgers		5,218.32						
Relief of sufferers, wreck U. S. S. Huron		318.00						188.00
Relief of persons impressed into U. S. naval service							\$1,532.86	
Reward for services to officers and crew U. S. S. Rodgers		3,000.00						
Reward for rescue of Lady Franklin Bay expedition to Arctic regions			25,000.00					
Search of steamer Jeannette		900.00					2,180.75	
Tuition of two naval cadets, Royal Naval College at Greenwich								
TOTALS.								
Amount of appropriations for each fiscal year.....	1884	1885	1886	1887	1888	1889	1890	1891
	\$17,180,340.49	\$16,796,714.21	\$18,256,336.45	\$17,412,520.02	\$26,091,338.34	\$20,935,210.90	\$22,246,567.06	\$24,742,253.05
Amount appropriated and warranted during:								
Current fiscal year.....	16,920,288.80	10,430,249.26	16,372,981.61	17,364,922.25	25,804,105.58	20,251,058.53	21,985,597.35	24,707,070.09
First subsequent fiscal year.....	258,600.00	6,230,233.85	82.25	20,000.00	51,514.27	169,683.28	175,460.85	5,000.00
Second subsequent fiscal year.....	3,060.31	39,756.58		9,516.73	171,436.32	504,707.00	80,804.71	27,148.15
Third subsequent fiscal year.....	6,600.13		572,396.65	17,972.34	64,237.47	9,714.63	4,714.15	3,033.81
Fourth subsequent fiscal year.....		141.25	1,310,875.74	74.50				
Fifth subsequent fiscal year.....								
Sixth subsequent fiscal year.....				24.00				
Seventh subsequent fiscal year.....						35.45		

Table 1.—APPROPRIATIONS FOR THE NEW NAVY, FEB. 22, 1883, TO JULY 1, 1918—Continued.

	1892	1893	1894	1895	1896	1897	1898	1899	1900
SECRETARY'S OFFICE.									
Pay, miscellaneous.....	\$286,408.52	\$273,716.36	\$256,609.62	\$328,380.96	\$304,249.27	\$302,178.82	\$400,237.22	\$400,000.00	\$592,977.20
Contingent, Navy.....	10,092.15	7,000.00	7,000.00	8,598.52	7,000.00	8,155.04	7,240.08	7,000.00	10,432.59
Arming and equipping Naval Militia.....	25,000.00	25,000.00	25,000.00	25,000.00	25,000.00	50,000.00	50,000.00	60,000.00	60,000.00
Emergency fund.....	19,279.26	45,507.96	18,319.76	26,256.77	11,037.26	18,097.87	11,822.68	26,001,940.57	625,652.66
Mitigation, Navy and Marine Corps.....							20,622,413.20	6,210.48	318.60
National defense.....								6,197,701.02	1,045,064.40
NAVIGATION.									
Gunnery exercises.....	6,000.00	6,000.00	6,124.17	6,000.00	6,252.95	6,148.99	6,000.00	6,000.00	12,300.02
Ocean and lake stations, California.....	14,000.00	14,000.00	14,000.00	14,000.00	14,000.00	14,000.00	16,416.60	44,007.52	100,000.00
Naval training station, Rhode Island.....									30,412.42
Naval War College.....									30,000.00
Naval Home, Philadelphia, Pa.....	71,215.00	70,215.00	69,215.00	80,465.00	79,315.00	79,725.00	78,725.00	77,725.00	9,200.00
Transportation, recruiting, and contingent.	45,000.00	40,000.00	45,000.00	45,546.00	50,681.30	45,000.00	94,407.46	320,000.00	76,425.00
Ocean surveys.....	30,000.00	30,000.00	30,000.00	30,000.00	25,000.00	33,750.00	46,372.29	41,250.00	112,500.00
Outfits for naval apprentices.....	18,000.00	18,000.00	41,610.00	30,000.00	30,016.69	32,500.00	30,000.00	30,000.00	30,000.00
Naval training station, Navigation, hospital.....	10,000.00	8,000.00	8,000.00	8,000.00	10,000.00	11,200.00	11,200.00	19,200.00	
Naval War College and torpedo school.....									
Curdan & Kold Letter Engraving Co.....									
Telegraphic cable surveys between San Francisco and Honolulu.....	25,000.00		40,109.87	74.09	45,371.70	10,158.77	19,231.68	50,857.07	63,680.43
Navy transportation, Pacific roads.....								275,000.00	2,500.00
Naval coast signal system.....									
Transportation of officers' effects.....									
ORDNANCE.									
Ordnance and ordnance stores.....	155,000.00	155,000.00	200,000.00	200,000.00	300,000.00	450,000.00	700,001.00	7,820,000.00	2,086,908.80
Modern battery for the Harford.....							150,000.00		
Modern battery for the Chicago.....								50,000.00	
Reserve projectiles.....	30,000.00					200,000.00			
Reserve torpedoes and appliances.....						142,000.00		250,000.00	
Torpedoes.....						75,000.00			
Torpedo explosion, Newport, R. I.....						50,000.00			
Testing high explosives.....									
Experimenting with armor-piercing projectiles.....									
Repairs, Ordnance.....	30,000.00	30,000.00	30,000.00	30,000.00	30,000.00	30,000.00	30,000.00	25,000.00	30,000.00
Contingent, Ordnance.....	8,200.56	8,082.29	9,097.94	8,338.47	8,000.00	13,950.63	16,161.07	8,000.00	95,005.33
Civil establishment, Ordnance.....	26,824.00	26,824.00	26,824.00	26,824.00	26,824.00	26,824.00	26,824.00	26,324.00	32,624.00

Table 1.—APPROPRIATIONS FOR THE NEW NAVY, FEB. 22, 1883, TO JULY 1, 1918—Continued.

	1892	1893	1894	1895	1896	1897	1898	1899	1900
ORDNANCE—Continued.									
Pent rights, breech-loading ordnance.....									
Reserve guns, auxiliary cruisers.....				\$25,000.00		\$400,000.00	\$250,000.00	\$250,000.00	\$250,000.00
Floating tug or crane.....	\$30,000.00								
EQUIPMENT.									
Equipment of vessel.....	960,000.00	\$925,063.82	\$848,180.09	1,090,114.30	\$1,278,292.50	1,319,648.00	3,056,985.05	6,685,804.00	2,784,458.13
Civil establishment, Equipment.....	19,025.00	19,025.00	19,025.00	19,025.00	19,025.00	19,625.00	16,500.00	16,500.00	17,475.00
Contingent, Equipment.....	15,000.00	12,000.00	12,896.66	13,911.44	17,009.08	17,695.28	22,625.38	37,074.00	42,500.25
Equipment plant, Philippine Islands.....									30,000.00
Coal barges, Equipment.....									150,000.00
Water boat, Equipment.....									25,000.00
YARDS AND DOCKS.									
Maintenance, Yards and Docks.....	230,000.00	230,000.00	230,000.00	250,000.00	250,000.00	265,000.00	375,000.00	350,000.00	400,012.16
Contingent, Yards and Docks.....	20,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	20,000.00	20,000.00	30,000.00
Civil establishment, Yards and Docks.....	59,197.37	61,380.69	61,494.84	61,494.84	61,597.37	61,488.04	67,110.44	72,710.44	83,443.23
Naval Observatory, land.....				23,855.00	22,000.00	14,300.00	5,000.00	11,200.00	10,000.00
Naval Observatory, land.....						834.88			
PUBLIC WORKS, BUREAU OF YARDS AND DOCKS.									
Navy yard:									
Falmouth, N. H.....	22,287.00	13,500.00	15,000.00	15,000.00	1,500.00	9,000.00	14,500.00	177,400.00	308,000.00
Boston, Mass.....	17,000.00		20,000.00	140,000.00	151,395.00	185,000.00	153,000.00	555,037.00	379,000.00
Brooklyn, N. Y.....	126,835.00	35,000.00	300,000.00	300,000.00	44,500.00	37,580.00	193,222.00	296,500.00	1,047,682.00
Levens Island, Pa.....	127,276.62	43,600.00	78,000.00	81,800.00	44,500.00	77,669.31	5,132.82	96,347.00	800,767.00
Washington, D. C.....	21,788.00	15,000.00	30,500.00	50,644.00	51,879.00	44,000.00	180,000.00	171,000.00	205,000.00
Norfolk, Va.....	26,166.00	31,500.00	23,000.00	110,463.07	46,012.00	44,000.00	110,000.00	110,000.00	500,000.00
Pensacola, Fla.....									
Mare Island, Cal.....	51,735.24	18,800.00	41,648.00	29,019.00	110,874.00	97,294.67	216,735.00	632,871.00	985,751.00
Puer toland, Wash.....							80,143.62	182,882.00	48,600.00
Naval station:									
New London, Conn.....									
Port Royal, S. C.....			12,068.00	18,364.00	77,915.00	185,182.00	11,837.13	455,235.50	26,000.00
Key West, Fla.....				10,000.00	60,000.00	10,400.00	36,000.00	26,000.00	112,530.00
Additional yard, navy yard, Norfolk, Va.....									
New Naval Observatory.....	186,686.00	17,500.00	16,500.00	11,077.00					
United States Observatory, transportation.....									
Naval proving ground, Indianhead, Md.....		25,000.00			20,000.00				140,667.50

Telephone line to naval proving ground, Indianhead, Md.								10,000.00	25,000.00
Smokeless-powder factory								62,727.00	
Naval training station:									
Rhode Island, buildings								60,000.00	125,000.00
Naval station, Newport, R. I.						9,000.00	1,000.00	1,000.00	60,000.00
Depots for coal								252,000.00	400,000.00
Naval coaling stations									
Coaling wharf, Japonski Island, Alaska	250,000.00							5,000.00	
Steamer:									
Navy yard, Mare Island, Cal.		50,000.00							
Japonski Island, Pa.									
Naval station, Port Royal, S. C.							8,000.00		
Puget Sound, Wash.								50,000.00	
Steam lighters, navy yard, New York, N. Y.								50,000.00	
Steam lighters, navy yard, League Island, Pa.								20,000.00	
Board on Dry Docks									
Four timber dry docks									
Floating dry docks, Gulf coast									
Dry dock, Puget Sound, Wash.	210,000.00	225,000.00	51,074.83			260,000.00	101,250.00	1,000.00	30,000.00
Steel floating docks, Algiers, La.		25,000.00	23,028.08					800,000.00	800,000.00
Dry dock, Algiers, La.								200,000.00	
Repairs to dry dock, Brooklyn, N. Y.								50,000.00	
Construction of dry dock, Port Royal, S. C.	180,000.00	166,500.00							
Naval magazine:									
Fort Lafayette, N. Y.								15,000.00	5,000.00
New York Harbor									600,000.00
Dover, N. J.							15,000.00		
Fort Mifflin, Pa.							80,000.00		
Norfolk, Va.									45,000.00
Crane Island	15,000.00					75,000.00			
Removal of naval magazine, Crane Island									
Naval magazine:									
Mare Island, Cal.			17,900.00						
Alaska	10,000.00								
Launching ways and slips, New York and Norfolk	13,000.00								
Housing torpedo vessels								150,000.00	
Buildings and grounds, Naval Academy	19,000.00	56,000.00	28,000.00				43,000.00	2,500.00	720,000.00
Repairs and preservation at navy yards	300,000.00	275,000.00	300,000.00			400,000.00	400,000.00	565,000.00	500,000.00
Naval hospital:									
Chelsea, Mass.								6,000.00	45,000.00
For contagious diseases, Newport, R. I.									
Port Royal, S. C.								4,000.00	
Mare Island, Cal., medical director's house	15,500.00								
Naval cemetery:									
Chelsea, Mass.									
Brooklyn, N. Y.									
Norfolk, Va.								1,000.00	2,500.00
Mare Island, Cal.							1,000.00		

Table 1.—APPROPRIATIONS FOR THE NEW NAVY, FEB. 22, 1883, TO JULY 1, 1918.—Continued.

	1922	1923	1924	1925	1926	1927	1928	1929	1930
PUBLIC WORKS, BUREAU OF YARDS AND DOCKS—continued.									
Marine barracks:									
Coasters Harbor Island			\$15,000.00						
Port Royal, S. C.		\$3,000.00	2,600.00						
Sitka, Alaska.		431.01							\$81,000.00
And quarters, Annapolis, Md.									
MEDICINE AND SURGERY.									
Medical Department.....	\$90,000.00	55,553.73	60,000.00	\$90,200.40	\$92,450.46	\$75,025.00	\$75,020.95	\$175,010.00	89,020.03
Contingent, Medicine and Surgery.....	25,404.10	25,968.29	25,623.12	26,156.34	26,139.55	30,555.51	31,535.20	40,000.00	32,667.65
Repairs, Medicine and Surgery.....	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00
Reimbursement for bringing home remains, etc.									
Ambulances for naval hospitals.....				1,800.00		1,200.00	1,200.00	600.00	351.12
Naval hospital fund.....	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	30,000.00
SUPPLIES AND ACCOUNTS.									
Pay of the Navy.....	7,300,123.70	7,300,574.06	7,360,099.05	7,656,201.61	7,890,008.92	8,345,684.06	8,238,157.87	17,955,460.00	13,500,399.96
Provisions, Navy.....	1,100,000.00	1,000,000.00	1,140,077.27	1,170,844.20	1,175,000.00	1,405,039.60	2,810,155.30	2,500,000.00	3,000,353.44
Civil establishment, Supplies and Accounts.....	67,581.00	67,532.03	67,532.03	67,532.03	67,581.00	67,532.03	70,432.03	70,432.03	70,432.03
Contingent, Supplies and Accounts.....	44,034.96	42,462.56	43,521.75	47,555.06	45,000.00	56,851.65	101,864.32	150,000.00	180,137.76
Transportation of naval supplies.....			20,000.00						
Clothing and small stores fund.....			200,000.00			300,000.00	1,000,000.00	1,000,000.00	1,000,000.00
Naval supply fund.....									
CONSTRUCTION AND REPAIR.									
Construction and repair.....	1,000,000.00	960,000.00	960,000.00	900,000.00	1,750,000.00	1,250,000.00	4,600,143.20	8,980,000.00	5,680,220.28
Civil establishment, Construction and Repair	19,072.50	19,072.50	19,072.50	19,072.50	19,072.50	19,072.50	19,072.50	23,407.00	23,407.00
Coaling barge, Bureau Construction and Repair								16,000.00	
Repairs to:									
U. S. Hartford.....				160,000.00		100,000.00	70,000.00	20,000.00	
U. S. Chicago.....				8,000.00		250,000.00	50,000.00	225,000.00	
U. S. Constitution.....									
Model tank, navy yard, Washington, D. C.						7,600.00	92,500.00		
Construction plant:									
Navy yard—									
Baltimore, N. H.	25,000.00							50,000.00	25,000.00
Boston, Mass.								50,000.00	25,000.00
Brooklyn, N. Y.								50,000.00	25,000.00
League Island, Pa.								50,000.00	25,000.00

Norfolk, Va.....												50,000.00	25,000.00
Pensacola, Fla.....												50,000.00	25,000.00
Mare Island, Cal.....												20,000.00	25,000.00
Puget Sound, Wash.....													
Naval station—													
Port Royal, S. C.....												50,000.00	25,000.00
Key West, Fla.....													25,000.00
STEAM ENGINEERING.													
Steam machinery.....	700,000.00	650,000.00	768,729.24	977,055.00	883,325.32	1,329,946.59	2,254,262.98	5,600,000.00					2,676,026.43
Civil establishment, Steam Engineering.....	11,900.00	11,900.00	11,900.00	11,900.00	11,900.00	11,900.00	11,900.00	11,900.00					13,200.00
Continental, Steam Engineering.....	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00					1,000.00
Experiments with liquid fuel, Bureau of Steam Engineering.....													
Machinery plant:													
Naval yard:													
Boston, Mass.....													
New York, N. Y.....													
Lanana Island, Pa.....		25,000.00											\$800,000.00
Norfolk, Va.....													75,000.00
Mare Island, Cal.....													15,000.00
Puget Sound, Wash.....													
Naval station.....													25,000.00
Port Royal, S. C.....													
Key West, Fla.....													
NAVAL ACADEMY.													
Pay, Naval Academy.....	104,273.45	104,265.45	104,265.45	107,158.97	105,189.13	106,401.45	106,401.45	106,401.45					107,353.45
Special course, Naval Academy.....	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00					5,000.00
Heating and lighting, Naval Academy.....	17,000.00	18,626.26	18,218.86	18,800.02	20,000.00	20,000.00	20,000.00	20,000.00					20,000.00
Contingent, Naval Academy.....	41,800.00	41,800.00	41,800.00	42,010.56	41,800.00	46,400.00	45,800.00	45,800.00					45,800.00
Repairs, Naval Academy.....	21,000.00	21,000.00	21,000.00	31,000.00	21,000.00	62,873.52	21,000.00	21,000.00					21,000.00
MARINE CORPS.													
Pay, Marine Corps.....	696,963.80	687,543.67	696,963.52	700,532.65	729,894.83	792,570.99	816,661.78	878,554.23					1,597,919.23
Provisions, Marine Corps.....	74,580.64	90,802.79	109,773.08	84,191.10	90,055.53	120,642.75	103,370.35	131,911.50					453,013.20
Clothing, Marine Corps.....	75,000.00	75,000.00	83,000.00	81,634.16	80,000.00	97,255.00	97,255.00	213,210.40					260,194.34
Fuel, Marine Corps.....	23,000.00	19,500.00	19,500.00	19,500.00	19,500.00	19,500.00	19,500.00	19,500.00					25,000.00
Military stores, Marine Corps.....	17,010.50	13,286.50	13,286.50	13,534.74	13,287.00	13,677.34	31,797.00	31,797.00					47,518.21
Transportation and recruiting, Marine Corps.....	15,063.33	16,780.24	15,000.00	15,000.00	15,021.96	15,070.34	15,425.92	23,064.00					31,192.83
Repairs of barracks, Marine Corps.....	14,300.00	16,512.00	12,000.00	20,000.00	12,000.00	23,500.00	18,925.00	18,925.00					16,300.00
Forage, Marine Corps.....	3,500.00	2,800.00	3,063.07	3,393.85	3,242.13	2,800.00	3,000.00	3,000.00					6,000.00
Hire of quarters, Marine Corps.....	6,624.00	6,624.00	6,624.00	6,624.00	6,624.00	6,624.00	6,624.00	6,968.00					7,356.00
Contingent, Marine Corps.....	37,056.31	23,064.61	34,056.71	32,373.61	32,781.39	35,707.46	33,706.31	50,166.07					82,560.07
Pay, provisions, etc., Marine Corps.....													12,600.00
Reimbursement to enlisted men of Marine Corps for losses.....													51.73

Table 1.—APPROPRIATIONS FOR THE NEW NAVY, FEB. 22, 1883, TO JULY 1, 1918—Continued.

	1892	1893	1894	1895	1896	1897	1898	1899	1900
INCREASE OF THE NAVY.									
Construction and machinery.....	\$13,107,000.00	\$7,000,000.00	\$6,875,000.00	\$5,955,025.00	\$2,364,851.30	\$6,570,000.00	\$6,425,359.00	\$13,648,473.00	\$5,992,402.00
Armor and armament.....	4,000,000.00	2,000,000.00	2,000,000.00	4,000,000.00	4,837,670.00	4,371,454.00	7,220,798.00	7,162,800.00	4,000,000.00
Equipment.....	400,000.00	400,000.00	260,000.00		125,000.00	267,000.00	162,628.00	415,000.00	400,000.00
Training vessel (for Naval Academy)							1,280,000.00	125,000.00	
Travelling cranes.....									
Remission of penalty on dynamite cruiser Vesuvius.....	100,000.00	60,000.00		99,700.00	40,360.00				
Gun plant, navy yard, Washington, D. C.....				117,000.00		50,000.00		36,000.00	50,000.00
Submarine torpedo boat.....			200,000.00						
MISCELLANEOUS.									
Claims for damages by collision with naval vessels.....									1,470.07
Consolidating naval supplies.....			10,000.00						
Certified claim supplies.....	20,577.11	64,907.86	26,427.50	32,543.90	27,420.86	40,902.45	52,076.47	34,444.81	37,012.47
Extra pay to officers and men who served in the Mexican War.....	1,595.50	2,579.67	2,567.50	485.00	650.50	2,609.25	2,656.50	4,435.33	3,065.17
Indemnity for lost clothing.....	7,323.32	180.00	9,496.74	1,371.64					
Indemnity for lost property, naval service.....				9,821.68	10,785.00	2,496.94	40.26	363.75	
International naval review.....		50,000.00	300,000.00						
Medals for Jeannette Arctic expedition.....		734.13							5,000.00
Observance of eclipse of the sun, May 28, 1900.....									
Pay to W. H. Michael for compilation of laws relating to Navy and Marine Corps.....	85,962.92	1,391.00	3,606.20	3,435.45	1,626.71	4,669.29	5,216.86	426,152.37	3,000.00
Private acts, etc. (various).....				4,891.73					286,821.80
Payment on account of monitor Amphitrite.....									
Payment to Harlan & Hollingsworth Co. for use of shipyard and care of the Amphitrite.....		2,752.00							
Payment on account purchase steamers De Soto and Bienville.....					41,701.95				
Relief of sufferers, wreck of U. S. S. Huron.....	166.00								
Relief of persons impressed into the United States naval service.....							782.60	560.10	
Relief of sufferers by wreck of United States steamers at Apia, Samoa.....			308.77		1,125.75	447.45	270.25	39.00	312.00
Removal of remains of D. F. Turrell, ensign, U. S. Navy, from Alaska.....	8,478.13	3,812.78							
Relief of Rodman M. Price.....		830.33							
Relief of sufferers by destruction of U. S. S. Maine.....		45,204.08	7,900.00					23,100.00	
							83,368.19	34,074.73	5,783.00

	1892	1893	1894	1895	1896	1897	1898	1899	1900
Removal of remains of officers and men who perished by destruction of U. S. Maine.								10,000.00	
Recovering the remains of officers and men and property from wreck of U. S. Maine.				45,000.00				200,000.00	
Reclaiming wreck of U. S. S. Kearsarge.								10,000.00	
Sword of honor to Commodore George Dewey and medals commemorating Battle of Manila Bay.								10,000.00	
Survey of Pearl Harbor, Hawaii.									20,000.00
Transporting contributions for famishing poor in India.									
Vessels for United States naval force.								3,000,000.00	
TOTALS.									
Amount of appropriations for each fiscal year.	\$32,729,463.45	\$24,025,686.67	\$22,928,250.60	\$25,759,215.64	\$30,686,652.32	\$31,268,274.90	\$62,963,512.90	\$119,921,780.10	\$59,088,546.98
Amount appropriated and warranted during—									
Current fiscal year	32,680,521.30	23,962,657.47	22,553,638.85	25,535,535.19	29,431,923.39	30,688,712.64	45,034,653.20	116,182,715.04	58,546,175.88
First subsequent fiscal year	546.40		107,278.04	36,800.00	447,615.69	296,058.96	7,515,868.54	3,710,817.14	394,455.23
Second subsequent fiscal year	38,064.07	61,721.34	107,390.61	185,896.45	795,242.60	140,300.75	380,533.25	21,325.56	28,580.41
Third subsequent fiscal year	4,152.13	639.16	136,377.03	253.81	11,298.88	173,074.87	84,083.65	4,834.20	84,397.70
Fourth subsequent fiscal year	81.25	88.82		443.73	461.41			2,087.56	21,396.66
Fifth subsequent fiscal year	126.30	576.88	478.41	273.86			8,071.62		13,264.97
Sixth subsequent fiscal year			.66			97.65	81.25		
Seventh subsequent fiscal year					18.77		181.24		
Other subsequent fiscal years			(1904) 96.00	(1903) 16.80	(1905) 21.38	(1906) 30.00	(1911) 2.15		313.13
SECRETARY'S OFFICE.									
Pay, miscellaneous.	\$631,147.65		\$631,525.96	\$634,309.22	\$602,961.71	\$640,744.71	\$675,243.36	\$650,000.00	\$675,002.80
Contingent Navy.	11,340.85		11,590.19	10,000.00	17,410.29	65,113.34	65,000.00	65,000.00	65,000.00
Arming and equipping Naval Militia.	60,000.00		60,000.00	60,000.00	60,000.00	60,000.00	60,000.00	60,000.00	60,000.00
Buildings for lepers, island of Guam, etc.									
Emergency fund.	495,359.10		206,501.60	112,792.49	37,216.67				
National defense.	263,865.74		24,999.72	17,634.10	664.28	11.44			

¹ Deficiency act July 19, 1898, reduced this amount to \$125,000.

Table 1.—APPROPRIATIONS FOR THE NEW NAVY, FEB. 22, 1883, TO JULY 1, 1918—Continued.

	1901	1902	1903	1904	1905	1906	1907	1908
NAVIGATION.								
Transportation, Navigation.....				\$235,671.96	\$319,064.49	\$360,000.00	\$508,543.84	\$724,679.16
Recruiting.....				88,933.10	97,141.00	90,141.00	121,373.00	121,340.00
Contingent.....			\$12,000.00	27,684.40	30,386.20	25,000.00	15,000.00	15,000.00
Gunnery exercise.....	\$13,068.73	\$16,142.30	250,770.20	120,262.88	120,338.88	120,000.00	120,000.00	120,000.00
Outfits on first enlistment.....			250,770.20	463,610.32	490,121.62	567,000.00	567,000.00	1,022,830.82
Maintenance, naval auxiliaries.....	100,425.00	100,050.00	100,000.00	100,885.00	75,000.00	75,000.00	75,000.00	75,000.00
Ocean and lake surveys.....	37,494.32	30,014.31	33,200.65	40,000.00	40,000.00	50,000.00	50,000.00	64,564.05
Naval training station, California.....	45,000.00	45,069.60	58,652.00	69,298.68	56,000.00	61,000.00	71,511.50	71,000.00
Naval training station, Rhode Island.....								26,940.00
Naval training station, Great Lakes.....								18,700.00
Naval War College.....	9,200.00	11,200.00	16,346.25	11,200.00	13,300.00	16,900.00	16,900.00	18,700.00
Naval Home, Philadelphia, Pa.....	76,425.00	76,425.00	76,425.00	77,344.00	76,725.00	76,825.00	77,215.00	73,683.00
Transportation, recruiting, and contingent.....	145,804.01	201,463.95	393,410.28					
Outfits for naval apprentices.....	112,500.00	117,396.30	117,000.00					
Outfits for landsmen.....	146,231.28	225,157.50	225,318.99					
Maintenance of colliers.....	25,000.00	350,000.00	412,171.04	422,251.21	383,084.00	393,084.00	450,000.00	
Medals for officers and men, Navy and Marine Corps.....	71,490.21	64,383.28	44,493.76	98,660.84	77,203.10	10,000.00	45,772.40	14,941.1
Navy transportation, Pacific roads.....								
ORDNANCE.								
Ordnance and ordnance stores.....	1,562,590.00	1,825,000.00	2,359,486.62	2,581,003.04	3,529,301.78	3,511,300.00	4,015,000.00	5,289,000.00
New batteries for ships of the Navy.....								340,270.00
New batteries for the Baltimore.....		175,000.00						
New batteries for the Newark.....			175,000.00					
New batteries for the New York.....			200,000.00	100,000.00				
New batteries for the New Orleans and Albany.....								
Modernizing batteries for the Massachusetts and Oregon, and new guns and armor for the New York.....							466,000.00	
Reserve ammunition.....							2,000,000.00	4,000,000.00
Reserve powder and shell.....								
Torpedo stations and appliances.....						103,000.00		
Torpedo station, Newport, R. I.....	65,000.00	65,000.00	65,006.92	65,105.00	65,000.00	65,000.00	65,000.00	250,000.00
Repairs, Ordnance.....	38,198.48	42,352.78	30,000.00	30,000.00	30,000.00	30,000.00	30,000.00	30,000.00
Contingent, Ordnance.....	70,000.00	75,013.39	87,239.06	76,355.80	93,373.86	25,000.00	25,000.00	27,222.60
Civil establishment, Ordnance.....	32,624.00	36,606.75	41,006.75	46,006.75	47,006.75	47,006.75	47,006.75	47,206.75
Reserve guns, auxiliary cruisers.....	250,000.00	250,000.00	250,000.00	250,000.00	125,000.00	60,000.00		
Reserve guns for ships of the Navy.....			250,000.00		125,000.00	153,000.00	750,000.00	750,000.00
Reserve mines and appliances.....								100,000.00
Fire control for ships of the Navy.....								300,000.00
Torpedoes and converting torpedo boats.....								300,000.00
Ordnance machinery, navy yard, New York, N. Y.....			11,000.00					

Table 1.—APPROPRIATIONS FOR THE NEW NAVY, FEB. 22, 1883, TO JULY 1, 1918—Continued.

	1901	1902	1903	1904	1905	1906	1907	1908
PUBLIC WORKS, BUREAU OF YARDS AND DOCKS—cont'd.								
Government landing, Newport, R. I.		\$149,571.08						\$7,840.00
Naval Observatory, purchase of land		25,000.00	\$28,000.00	\$25,000.00	\$34,100.00		\$9,400.00	12,500.00
Torpedo station buildings			5,200.00					
Quarters, Rose Island, Narragansett Bay		36,800.00	23,000.00	10,500.00	121,500.00	\$25,000.00	19,700.00	34,130.00
Naval proving ground, Indianhead, Md.								
Naval training station:								
Rhode Island, buildings	\$59,850.00	62,170.00	114,280.00	232,000.00	14,000.00	74,500.00	162,971.00	58,912.00
California, buildings	34,750.00	6,814.95	31,500.00	4,250.00	19,000.00	15,000.00	69,750.00	39,000.00
Great Lakes, buildings					250,000.00	15,000.00	750,000.00	700,000.00
Board on Naval Training Station, Great Lakes					8,125.00	5,000.00	1,200.00	
Rifle range, Blythe Island, Ga.			60,000.00	12,825.00				
Deposits for coal		2,000.00	5,000.00		6,000.00			
Steel truss, general service	700,000.00	750,000.00	640,000.00		600,000.00	300,000.00		
Seagoing tug			140,000.00		350,000.00			
Board on Dry Docks, Columbia River, Oreg.	1,000.00							
Four timber dry docks	900,000.00			226,035.41				
Dry dock, Havana, Cuba	300,000.00	1,000,000.00	1,050,000.00	18,733.89	3,199.68			
Steel floating dock, Algiers, La.	650,000.00							
Dry dock, Charleston, S. C.		150,000.00		1,000.00				
Board on Naval Magazine, New England coast.								
Naval magazine:								
New England coast					70,000.00		200,000.00	130,000.00
Fort Lloydville, N. Y.	15,000.00		25,000.00				2,000.00	
New York Harbor		100,000.00	46,500.00	114,200.00		4,000.00		
Dover, N. J.	100,000.00	65,000.00	90,000.00	19,000.00	10,000.00	22,650.00	6,100.00	23,850.00
Fort Mifflin, Pa.		60,000.00	3,000.00	11,000.00	20,000.00	16,560.00	6,000.00	9,084.00
Norfolk, Va.	20,000.00	60,500.00	46,500.00	1,500.00	11,100.00	18,000.00	26,000.00	14,000.00
Water system, Fort Norfolk, Va.								
Naval magazines:								
Pensacola, Fla.			80,000.00		2,200.00		5,000.00	50,000.00
Mare Island, Cal.			50,000.00				11,300.00	76,000.00
Puget Sound, Wash.								
Philippine Islands					50,000.00			
Survey of harbor, Island of Guam	10,000.00							
Plans and specifications								
Consolidating power plants, navy yard and stations			80,000.00	30,000.00	45,000.00	30,000.00	30,000.00	30,000.00
Equipping navy yards for construction of vessels			175,000.00		300,000.00		43,837.47	95,000.00
Dredging, Dry Tortugas, Fla.	100,000.00	100,000.00						
Building and grounds, Naval Academy	380,000.00	3,000,000.00	500,000.00	3,050.00	3,000,000.00	900,000.00	750,000.00	380,000.00
Repairs and preservation at navy yards	584,582.04	510,000.00	522,242.83	602,155.57	500,000.00	400,000.00	500,000.00	516,102.88

Table 1.—APPROPRIATIONS FOR THE NEW NAVY, FEB. 22, 1883, TO JULY 1, 1918—Continued.

	1901	1902	1903	1904	1905	1906	1907	1908
CONSTRUCTION AND REPAIR.								
Construction and repair.....	\$7,500,477.29	\$7,001,190.16	\$8,011,069.18	\$8,001,811.32	\$8,024,324.34	\$7,804,866.00	\$7,900,000.00	\$7,903,308.22
Civil Establishment, Construction and Repair.....	25,824.25	25,824.25	25,824.25	27,024.25	40,824.25	40,824.25	40,824.25	40,824.25
Construction plant:								
Navy yard—								
Portsmouth, N. H.....	25,000.00	50,000.00	30,000.00	20,000.00	20,000.00	15,000.00	15,000.00	15,000.00
Boston, Mass.....	25,000.00	50,000.00	50,000.00	50,000.00	30,000.00	20,000.00	20,000.00	20,000.00
Brooklyn, N. Y.....	25,000.00	25,000.00	50,000.00	50,000.00	50,000.00	20,000.00	20,000.00	20,000.00
New York, N. Y.....	25,000.00	50,000.00	50,000.00	30,000.00	20,000.00	15,000.00	15,000.00	15,000.00
League Island, Pa.....	25,000.00	50,000.00	50,000.00	30,000.00	15,000.00	12,000.00	12,000.00	12,000.00
Norfolk, Va.....	5,000.00	13,000.00	50,000.00	30,000.00	20,000.00	15,000.00	15,000.00	15,000.00
Pensacola, Fla.....	25,000.00	50,000.00	50,000.00	30,000.00	20,000.00	15,000.00	15,000.00	15,000.00
Mare Island, Cal.....	25,000.00	50,000.00	50,000.00	30,000.00	20,000.00	15,000.00	15,000.00	15,000.00
Charleston, S. C.....	25,000.00	30,000.00	75,000.00	75,000.00	30,000.00	20,000.00	20,000.00	20,000.00
Puget Sound, Wash.....	25,000.00	30,000.00	75,000.00	75,000.00	30,000.00	20,000.00	20,000.00	20,000.00
Naval station—								
Fort Royal, S. C.....	5,000.00							
New Orleans, La.....	25,000.00	15,000.00	15,000.00	25,000.00			10,000.00	10,000.00
Algiers, La.....	25,000.00	15,000.00	50,000.00					
Cavite, P. I.....								
STEAM ENGINEERING.								
Steam machinery.....	3,160,001.86	3,246,833.81	3,439,532.40	4,009,149.58	4,105,187.82	4,014,335.70	5,595,000.00	5,508,000.00
Engineering experimental station, Annapolis, Md.....	13,300.00	16,900.00	17,900.00	17,900.00	17,900.00	17,900.00	30,520.00	30,520.00
Civil Establishment, Steam Engineering.....	1,000.00	1,000.00					17,900.00	17,900.00
Contingent, Steam Engineering.....								
Tests of liquid fuel for naval purposes.....								
Extended tests, marine steam turbines.....								
Naval wireless telegraph station, Pacific coast.....					25,000.00			
Machinery plants:								
Navy yard—								
Portsmouth, N. H.....	25,000.00						110,000.00	30,000.00
Boston, Mass.....	50,000.00			60,000.00	75,000.00	40,000.00		40,000.00
New York, N. Y.....								
League Island, Pa.....		100,000.00	130,000.00			40,000.00		40,000.00
Norfolk, Va.....			25,000.00	25,000.00	50,000.00		25,000.00	25,000.00
Charleston, S. C.....							50,000.00	25,000.00
Pensacola, Fla.....						15,000.00		10,000.00
Mare Island, Cal.....	50,000.00	100,000.00	80,000.00					
Puget Sound, Wash.....			125,000.00					
Naval station—								
New Orleans, La.....							25,000.00	

Table 1.—APPROPRIATIONS FOR THE NEW NAVY, FEB. 23, 1883, TO JULY 1, 1918—Continued.

	1901	1902	1908	1904	1905	1906	1907	1908
MISCELLANEOUS—continued.								
Judgments, claim, British steamship Foscolia.....				\$203,219.33				
Judgments, bounty for destruction of enemy's vessels.....	\$496,300.00	\$50,000.00		57,900.00				
Judgments, Court of Claims and United States courts.....				86,820.26		\$617,364.92	\$171,959.14	\$32,250.63
Observation of eclipse of sun, May 19, 1901.....	10,000.00							
Private acts, etc. (various).....	124.63	17,926.25	\$11,113.49	63,620.59	4,458.45		4,097.56	748.00
Payment of certain claims arising under the Navy Department.....								
Prize money, Battle of Manila Bay.....			946,083.89				11,397.20	6,544.98
Permanent moorings.....							15,000.00	
Relief of sufferers by destruction of U. S. S. Maine.....	192.00	660.00	432.00					
Relief of officers and crew U. S. S. Charleston.....				14,263.47		1,440.50	209.58	68.86
Reimbursement of Philippine Insular funds for gunboats etc.....		208,819.67						
Reimbursement to officers and men for losses at San Francisco, Cal.....							7,000.00	
Reimbursement to California State prison.....			265.50					
Reimbursement to enlisted men Navy and Marine Corps for clothing and bedding destroyed.....						363.85		
Reimbursement to American Society in London.....						20.07		
Transporting contributions for famishing poor of India.....	20,000.00							
TOTALS.								
Amount of appropriations for each fiscal year.....	66,220,964.00	84,442,710.74	82,592,228.33	87,926,217.08	113,522,466.43	105,105,889.73	104,629,664.96	108,124,421.40
Amount appropriated and warranted during—								
Current fiscal year.....	65,799,505.11	84,136,577.28	81,482,407.01	87,567,753.19	112,874,723.59	104,485,139.51	103,476,356.00	106,525,521.14
First subsequent fiscal year.....	210,266.52	136,427.65	738,213.38	107,751.91	272,868.52	562,400.56	40,631.53	1,003,830.89
Second subsequent fiscal year.....	138,807.23	152,200.91	186,296.36	24,434.79	190,009.17	26,218.96	1,097,660.66	5,571.95
Third subsequent fiscal year.....	30,306.67	17,268.86	626.30	224,456.37	179,504.80	26,008.56		587,458.96
Fourth subsequent fiscal year.....	41,672.95		285,277.44	1,830.68	1,616.84		14,121.55	
Fifth subsequent fiscal year.....		100.00	376.58	236.28		9,043.88		
Sixth subsequent fiscal year.....	426.00	40.00			4,414.21		846.08	
Seventh subsequent fiscal year.....				83.92				
Other subsequent fiscal years.....		(1911) 1.00	(1911) 31.12		(1913) 12.50			

	1909	1910	1911	1912	1913	1914	1915	1916
SECRETARY'S OFFICE.								
Pay, miscellaneous.....	\$772,657.94	\$1,008,550.00	\$908,550.00	\$1,109,358.57	\$1,018,713.77	\$1,000,000.00	\$1,000,000.00	\$1,124,508.62
Contingent, Navy.....	65,000.00	46,068.00	76,000.00	46,000.00	46,000.00	110,220.55	150,000.00	46,000.00
Aeronautics.....							5,000.00	5,000.00
Advisory Committee for Aeronautics.....							125,000.00	125,000.00
Arming and equipping Naval Militia.....	100,000.00	100,000.00	125,000.00	125,000.00	145,941.14	200,000.00	200,000.00	250,000.00
Arms, uniforms, equipment, Naval Militia.....							14,000.00	200,000.00
Care of Iepers, Island of Guam, etc.....	15,000.00	14,000.00	14,000.00	14,000.00	14,000.00	14,000.00	14,000.00	14,000.00
Chief of Inhabitants, American Samoa, hurricane damages.....								
Committee to investigate cost of United States armor plant.....							10,000.00	10,000.00
							5,000.00	4,581.57
NAVIGATION.								
Transportation, Navigation.....								
Recruiting.....	775,000.00	818,000.00	873,065.00	999,400.00	857,931.53	925,000.00	850,000.00	750,000.00
Contingent.....	130,000.00	130,000.00	130,000.00	130,000.00	149,319.60	130,000.00	130,000.00	130,000.00
Gunners exercises.....	12,462.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	10,000.00
Steaming exercises.....	130,000.00	130,000.00	130,000.00	167,000.00	167,000.00	100,000.00	115,000.00	99,800.00
Outfits on first enlistment.....	900,000.00	1,291,620.00	10,000.00	15,000.00	15,000.00	6,500.00	6,500.00	3,000.00
Maintenance, naval auxiliaries.....	625,000.00	661,000.00	1,096,280.00	831,800.00	900,000.00	800,000.00	800,000.00	750,000.00
Ocean and lake surveys.....	75,000.00	57,900.00	75,233.75	790,208.00	798,372.00	800,000.00	800,000.00	800,046.88
Naval training station, California.....	68,112.97	89,857.65	71,900.95	70,167.65	70,000.00	90,000.00	90,000.00	70,000.00
Naval training station, Rhode Island.....	79,511.00	85,183.28	85,183.28	85,183.28	85,000.00	85,000.00	85,000.00	85,000.00
Naval training station, Great Lakes.....	37,425.57	102,786.36	106,599.36	106,599.36	106,500.00	98,457.00	98,457.00	80,000.00
Naval training station, St. Helena, Va.....								
Naval War College.....	18,700.00	14,700.00	22,475.76	25,080.00	29,850.00	25,000.00	25,000.00	25,000.00
Naval Home, Philadelphia, Pa.....	70,151.00	78,151.00	70,605.86	72,829.00	73,469.00	82,209.00	28,850.00	28,850.00
Experiments in aviation.....				2,500.00	10,000.00	10,000.00	10,000.00	77,117.00
Campaign badges and ribbons, Navy and Marine Corps.....	3,500.00	2,500.00		2,500.00		1,000.00		
Instruments and supplies.....								
Battle compasses for ships of Navy.....					120,000.00	120,000.00	305,000.00	270,000.00
ORDNANCE.								
Ordnance and ordnance stores.....	8,079,750.17	6,228,861.99	6,587,345.60	6,650,000.00	6,550,000.00	6,950,000.00	6,950,000.00	7,940,420.00
Naval Gun Factory, Washington, D. C.....			150,000.00	125,000.00		6,125,000.00	75,000.00	75,000.00
Powder Factory, Indianhead, Md.....			305,000.00	845,000.00	331,642.44			141,620.00
New batteries for ships of the Navy.....			8,657.60			414,000.00	390,000.00	100,000.00
New batteries for the Newark.....	1,120,000.00	722,000.00	2,500,000.00	2,850,000.00	1,307,715.21			
Ammunition for ships of the Navy.....		3,000,000.00	2,500,000.00	2,850,000.00	7,818,285.22	3,850,000.00	3,178,890.00	3,000,000.00
Torpedoes and appliances.....			650,000.00	650,000.00	1,206,637.78	750,000.00	1,000,000.00	1,000,000.00
Reserve torpedoes and appliances.....	300,000.00	625,000.00	100,000.00	100,000.00	130,000.00	95,000.00	95,000.00	130,000.00
Torpedo station, Newport, R. I.....	70,000.00	170,000.00	130,000.00	100,000.00	173,180.05	200,000.00	150,000.00	100,000.00
Experiments, Bureau of Ordnance.....		100,000.00	100,000.00					

Table 1.—APPROPRIATIONS FOR THE NEW NAVY, FEB. 22, 1888, TO JULY 1, 1918—Continued.

	1909	1910	1911	1912	1913	1914	1915	1916
ORDNANCE—continued.								
Repairs, Ordnance.....	\$30,000.00	\$30,849.70	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00
Contingent, Ordnance.....	14,068.00	9,500.00	9,500.00	9,500.00	9,500.00	9,500.00	9,500.00	9,500.00
Civil establishment, Ordnance.....	47,208.75	250,000.00	250,000.00	250,000.00	250,000.00	250,000.00	250,000.00	250,000.00
Reserve guns for ships of the Navy.....			250,000.00	420,000.00	410,008.14			
Small arms and machine guns.....			100,000.00	100,000.00	100,000.00			
Fire control for ships of the Navy.....	300,000.00	150,000.00	100,000.00	80,000.00	182,976.45			
Torpedoes and converting torpedo boats.....	650,000.00	288,000.00	564,000.00		282,630.00			
Modernizing turrets of ships of the Navy.....					300,000.00	150,000.00		
Modernizing projectiles.....								
EQUIPMENT.								
Equipment of vessels.....	3,755,391.07	3,981,432.50	3,863,322.47	3,843,300.00	3,843,300.00	4,550,000.00		
Civil establishment, Equipment.....	38,028.00		10,000.00	10,000.00	10,000.00	10,000.00		
Contingent, Equipment.....	11,824.00	11,281.00						
Equipment, machinery planes.....	100,000.00							
YARDS AND DOCKS.								
Maintenance, Yards and Docks.....	1,950,000.00	1,514,419.71	1,394,498.85	1,540,000.00	1,500,030.64	1,500,670.64	1,600,000.00	1,647,498.00
Contingent, Yards and Docks.....	30,000.00	30,000.00	30,000.00	30,000.00	30,000.00	30,000.00	30,000.00	30,000.00
Civil establishment, Yards and Docks.....	149,428.34							
Naval Observatory.....	10,000.00	10,000.00	10,000.00	5,000.00	5,000.00	5,000.00		
PUBLIC WORKS, BUREAU OF YARDS AND DOCKS.								
Navy yard:								
Baltimore, Md.....	251,647.80	96,500.00	55,250.00	229,000.00	44,000.00	35,000.00		
Boston, Mass.....	197,800.00	210,000.00	105,000.00	277,000.00	240,000.00	129,500.00		
New York, N. Y.....	286,000.00	382,330.00	1,286,000.00	879,000.00	125,000.00	270,000.00		
Philadelphia, Pa.....	180,000.00	467,600.00	215,000.00	160,000.00	150,367.19	223,491.99		
Washington, D. C.....	46,000.00	60,000.00	146,000.00	169,500.00	200,000.00	53,000.00		
Norfolk, Va.....	705,000.00	300,000.00	895,000.00	323,500.00	188,288.73	262,500.00	25,000.00	130,000.00
Charleston, S. C.....	167,000.00	135,500.00		70,000.00	39,000.00	159,000.00	180,000.00	95,000.00
Pensacola, Fla.....	36,800.00	20,000.00	2,000.00					
Marine Island, Cal.....	211,000.00	620,638.46	102,000.00	345,000.00	80,000.00	80,000.00	237,000.00	65,000.00
Puget Sound, Wash.....	560,000.00	655,000.00	885,000.00	989,000.00	287,000.00	246,000.00	246,000.00	60,000.00
Naval station: Narragansett Bay.....								
Key West, Fla.....		45,000.00	137,767.22	107,000.00	50,800.00	40,000.00	10,000.00	5,000.00

Table 1.—APPROPRIATIONS FOR THE NEW NAVY, FEB. 22, 1888, TO JULY 1, 1918—Continued.

	1909	1910	1911	1912	1913	1914	1915	1916
PUBLIC WORKS, BUREAU OF YARDS AND DOCKS—CON.								
Buildings, Bureau of Steam Engineering, Annapolis, Md.		88,570.00	964,713.92	998,000.00		850,000.00		
Buildings, engineering experimental station, Annapolis, Md.						148,000.00		
Marine barracks:						50,000.00		
Boston, Mass.					8175,000.00			
Philadelphia, Pa.								\$200,000.00
Norfolk, Va.						35,000.00		
Puget Sound, Wash.						400,000.00		200,000.00
Maro Island, Cal.						63,000.00		
Isthmus of Panama.								
Pearl Harbor, Hawaii.		576,500.00	117,500.00					
Barracks and quarters, Marine Corps.	\$280,000.00							
MEDICINE AND SURGERY.								
Medical Department	267,248.71	370,277.74	382,442.32	460,000.00	460,000.00	510,000.00	\$517,011.91	580,000.00
Contingent, Medicine and Surgery	60,000.00	66,706.59	76,500.00	79,000.00	97,000.00	142,000.00	142,000.00	183,000.00
Bringing home remains, etc.	10,000.00	10,000.00	18,000.00	12,000.00	15,000.00	20,000.00	18,596.27	15,000.00
Repairs, medicine and surgery	45,000.00	45,000.00						
SUPPLIES AND ACCOUNTS.								
Pay of the Navy	30,974,680.26	32,908,521.72	33,665,581.69	35,510,059.84	37,280,971.25	39,284,662.00	40,963,677.30	42,862,088.00
Provisions, Navy	6,031,153.75	7,110,284.31	7,628,314.11	8,179,628.84	8,542,328.25	7,773,596.49	7,713,954.50	8,226,875.20
Civil establishment, Supplies and Accounts	103,978.34							
Contingent, Supplies and Accounts	176,403.31	156,033.10	159,000.00	171,368.01	200,000.00			
Maintenance, Supplies and Accounts						1,470,000.00	2,081,487.25	1,829,400.55
Freight, Supplies and Accounts	500,000.00	535,000.00	535,000.00	535,000.00	624,774.53	784,082.90	749,715.37	966,746.97
Fuel and transportation	5,009,459.32	5,000,202.54	4,000,000.00	4,243,686.84	4,719,700.99	5,630,213.11	5,120,487.84	5,434,059.40
Fuel and transportation								
Fuel Reserve								
Naval Academy dairy (reimbursable)								
Naval Academy dairy (reimbursable)		16,000.00				100,000.00	130,000.00	
Naval training station, Great Lakes, building equipment							83,394.87	
CONSTRUCTION AND REPAIR.								
Construction and repair	8,000,120.28	8,979,314.73	8,979,144.00	8,479,144.00	8,479,183.89	8,250,000.00	9,768,000.00	9,885,077.00
Civil establishment, Construction and Repair	40,624.25					300,000.00		
Wrecking portico for submarines						118,000.00	110,000.00	110,000.00
Construction plants at navy yards								

Table 1.—APPROPRIATIONS FOR THE NEW NAVY, FEB. 22, 1883, TO JULY 1, 1918—Continued.

	1909	1910	1911	1912	1913	1914	1915	1916
MARINE CORPS.								
Pay, Marine Corps.....	\$3,922,259.63	\$4,349,910.28	\$4,176,134.50	\$4,281,001.28	\$4,387,121.78	\$4,503,260.78	\$4,345,499.86	\$4,580,834.33
Provisions, Marine Corps.....	796,955.38	781,302.22	854,822.17	820,000.00	881,500.00	.....	.....	.....
Clothing, Marine Corps.....	725,920.00	725,920.00	725,920.00	725,920.00	741,920.00	.....	.....	.....
Fuel, Marine Corps.....	119,810.97	149,500.00	148,400.00	157,000.00	164,000.00	.....	.....	.....
Military stores, Marine Corps.....	270,000.00	297,737.00	356,467.00	447,927.90	307,737.00	.....	.....	.....
Transportation and recruiting, Marine Corps.....	261,004.04	282,000.00	292,000.00	286,000.00	317,000.00	.....	.....	.....
Repairs of barracks, Marine Corps.....	96,838.00	100,007.37	110,000.00	110,000.00	120,000.00	.....	.....	.....
Forage, Marine Corps.....	28,320.00	22,700.00	24,200.00	24,200.00	24,200.00	.....	.....	.....
Communication of quarters, Marine Corps.....	83,000.00	73,000.00	80,500.00	80,500.00	79,000.00	.....	.....	.....
Contingent, Marine Corps.....	420,000.00	410,000.00	420,018.15	456,517.05	460,000.00	.....	.....	.....
Maintenance, quartermaster's department, Marine Corps.....	.....	.....	.....	.....	.....	3,308,598.80	3,000,000.00	3,404,024.18
INCREASE OF THE NAVY.								
Construction and machinery.....	12,832,962.00	22,766,823.00	19,400,753.00	13,781,735.79	9,846,205.00	19,818,228.00	19,647,617.00	20,664,459.00
Armor and armament.....	11,000,000.00	12,432,772.00	11,565,122.00	10,532,928.00	7,265,200.00	11,724,192.00	17,412,500.00	18,987,998.00
Equipment.....	3,000,000.00	600,000.00	11,399,500.00	.....	355,000.00	4,480,000.00	521,000.00	.....
Torpedo boats.....	3,000,000.00	3,000,000.00	2,104,971.00	1,660,833.88	2,521,647.00	3,535,275.00	3,810,617.00	6,231,344.00
Colliers.....	1,500,000.00	.....	300,000.00	.....	581,321.48	.....	.....	.....
Purchase of steam colliers.....	1,575,000.00	.....	.....	.....	.....	.....	.....	.....
Gun plant, navy yard, Washington, D. C.....	159,000.00	205,000.00	.....	.....	.....	.....	.....	.....
MISCELLANEOUS.								
Claims for damages by collisions with naval vessels.....	.....	.....	228.06	.....	3,946.45	2,183.29	1,286.71	2,703.89
Certified claims.....	74,479.20	30,825.63	44,909.75	.....	163,740.42	65,479.82	86,834.19	53,968.06
Extra pay to officers and men who served in Mexican War.....	1,401.44	300.00	100.00	.....	.....	.....	.....	.....
Judgments, Court of Claims and United States courts.....	.....	6,300.31	279,002.55	.....	175,327.37	11,738.89	32,206.53	97,373.74
Private acts, etc. (various).....	.....	25,581.00	13,037.80	5,751.75	28,968.08	2,248.00	9,178.48	3,174.13
Payment of certain claims arising under Navy Department.....	1,570.17	.....	30,116.79	.....	.....	4,313.58	46,169.95	.....
Payment to certain Government employees for injuries received.....	.....	.....	.....	2,750.00	.....	.....	.....	.....
Payment to Port Graham Coal Co., Seldovia, Alaska.....	800,000.00	.....	.....	.....	.....	5,000.00	.....	.....
Relief of sufferers, earthquake in Italy.....	.....	.....	.....	.....	69.96	.....	.....	9.86
Relief of officers and crew, U. S. Charleston.....	.....	.....	.....	.....	.....	.....	191,349.69	3,225.00
Relief and transportation of American citizens in Mexico.....	.....	.....	.....	.....	.....	.....	.....	.....
Relief of sufferers by wreck of United States steamers at Apia, Samoa.....	.....	.....	.....	.....	288.00	.....	.....	.....
Relief of flood sufferers, Ohio and Indiana and on the Ohio and Mississippi Rivers and tributaries.....	.....	.....	.....	.....	.....	130,940.38	.....	.....
Refund of stolen deposits, enlisted men of the Navy and Marine Corps.....	.....	.....	.....	.....	.....	.....	.....	.....
Repair, preservation, and exhibition of Navy trophy flag.....	.....	.....	.....	30,000.00	4,300.00	.....	.....	.....

Table 1.—APPROPRIATIONS FOR THE NEW NAVY, FEB. 22, 1883, TO JULY 1, 1918—Continued.

	1917	1918	1919
SECRETARY'S OFFICE.			
Pay, miscellaneous.....	\$915,000.00	\$4,185,500.00	\$4,350,000.00
Contingent, Navy.....	48,000.00	96,000.00	150,000.00
Aviation, Navy.....	3,500,000.00	61,133,000.00	220,383,119.00
Advisory Committee for Aeronautics.....	87,515.70		
Care of lepers, Island of Guam, etc.....	14,000.00	20,000.00	20,000.00
Expenses, civilian naval consulting board.....	25,000.00	100,000.00	100,000.00
Investigation of fuel oil, etc., Navy.....	60,000.00	60,000.00	60,000.00
State marine schools, act Mar. 4, 1911.....	250,000.00	50,000.00	75,000.00
National security and defense.....		1,515,154.52	
Basic patents of aircraft.....		1,000,000.00	
Temporary concrete office buildings, Navy and War Departments.....		5,775,000.00	
NAVIGATION.			
Transportation, Navigation.....	1,010,524.00	6,419,848.00	12,000,000.00
Recruiting, Navigation.....	244,228.84	1,419,228.84	
Contingent, Navigation.....	10,000.00	20,000.00	20,000.00
Gunnery and engineering exercises.....	135,000.00	225,000.00	425,000.00
Outfits on first enlistment.....	2,065,920.00	11,163,920.00	9,975,000.00
Maintenance, naval auxiliaries.....	1,069,460.00	1,144,390.00	
Arming and equipping Naval Militia.....	1,270,737.73	1,527,617.70	
Arms, uniforms, equipment, Naval Militia.....	200,000.00	200,000.00	
Ships for Naval Militia.....	290,000.00	135,500.00	
Ocean and lake surveys.....	105,000.00	155,000.00	155,000.00
Naval training station, California.....	70,000.00	192,000.00	225,000.00
Naval training station, Great Lakes.....	80,000.00	196,400.00	725,000.00
Naval training station, Rhode Island.....	85,000.00	200,000.00	350,000.00
Naval training station, St. Helena, Va.....	25,000.00	80,000.00	310,000.00
Naval War College.....	38,850.00	38,850.00	38,850.00
Instruments and supplies.....	350,000.00	6,193,440.00	3,469,800.00
Naval Home, Philadelphia, Pa.....	82,117.00	140,585.00	115,645.00
Organizing Naval Reserve Force.....	130,000.00	430,000.00	200,000.00
Schools or camps of instruction for Naval Reserve Force.....	30,000.00	30,000.00	2,655,360.00
Schools or camps of instruction for recruits and Naval Reserve Force.....		2,655,360.00	
Recreation for enlisted men, Navy.....		150,000.00	150,000.00
ORDNANCE.			
Ordnance and ordnance stores.....	8,517,485.00	54,140,179.00	32,922,279.00
Naval Gun Factory, Washington, D. C.....	150,000.00	10,500,473.00	
New batteries for ships of the Navy.....	100,000.00	74,593,523.50	85,014,110.50
Ammunition for ships of the Navy.....	13,720,000.00	3,500,000.00	
Ammunition for vessels.....		108,810,978.00	73,289,530.00
Ammunition for merchant auxiliaries.....		7,731,941.00	
Ammunition for auxiliaries and merchantmen.....		19,988,800.00	
Torpedoes and appliances.....	800,000.00	12,291,280.00	10,000,000.00
Torpedo station, Newport, R. I.....	200,000.00	200,000.00	400,000.00
Experiments, Ordnance.....	100,000.00	100,000.00	385,000.00
Repairs, Ordnance.....	30,000.00	30,000.00	
Contingent, Ordnance.....	9,500.00	49,500.00	50,000.00
Armor plant.....	11,000,000.00		
Air compressors for destroyers.....	195,000.00		
Batteries for merchant auxiliaries.....	1,650,000.00	4,731,174.00	
Batteries for auxiliaries and merchantmen.....		29,672,000.00	
Contingent building fund.....	10,000.00	10,000.00	
Naval magazine, Puget Sound, Wash.....	800.00		
Projectile plant, Navy.....	705,611.00	1,375,345.00	
Reserve ordnance supplies.....	4,503,524.00	81,417,460.00	63,000,000.00
Torpedo nets for battleships.....	480,000.00		
Antiaircraft guns and ammunition at naval stations.....		3,800,000.00	
Armament and ammunition for Coast Guard vessels.....		159,890.00	
Fuel lands for armor and projectile plants.....		25,000.00	
Increasing facilities for proof and test of ordnance material, Navy.....		1,000,000.00	
Navy mine depot.....			3,000,000.00
Navy nitrate plant.....			9,150,000.00
YARDS AND DOCKS.			
Maintenance, Yards and Docks.....	2,206,000.00	10,413,000.00	10,500,000.00
Contingent, Yards and Docks.....	50,000.00	4,090,000.00	250,000.00
Emergency expenses.....			4,760,000.00

Table 1.—APPROPRIATION FOR THE NEW NAVY, FEB. 22, 1888, TO JULY 1, 1918—Continued.

	1917	1918	1919
PUBLIC WORKS, BUREAU OF YARDS AND DOCKS.			
Navy yards:			
Portsmouth, N. H.....	\$3,000.00	\$134,000.00	\$480,000.00
Boston, Mass.....	64,500.00	256,500.00	1,725,000.00
New York, N. Y.....	106,900.00	1,219,000.00	1,250,000.00
Philadelphia, Pa.....	713,000.00	1,420,000.00	2,435,000.00
Washington, D. C.....	616,000.00	6,728,000.00	1,433,600.00
Norfolk, Va.....	1,242,000.00	2,400,000.00	3,450,000.00
Charleston, S. C.....	195,000.00	257,000.00	1,650,000.00
Mare Island, Cal.....	384,000.00	605,000.00	1,350,000.00
Puget Sound, Wash.....	18,000.00	670,500.00	1,025,000.00
Naval stations:			
Key West, Fla.....			1,025,000.00
New Orleans, La.....	150,000.00	60,000.00	450,000.00
Guam, M. I.....	1,000.00	60,000.00	100,000.00
Pearl Harbor, Hawaii.....	700,000.00	1,036,500.00	41,275.00
Tutuila, Samoa.....	4,000.00	40,000.00	50,000.00
Guantanamo, Cuba.....		34,000.00	200,000.00
Naval training station, Great Lakes, buildings.....			922,500.00
Naval aeronautic station, Pensacola, Fla.....	420,000.00	245,000.00	100,000.00
Naval operating base, Hampton Roads, Va.....		3,155,072.25	3,000,000.00
Submarine base, New London, Conn.....		1,340,000.00	750,000.00
Torpedo station, Newport, R. I., buildings.....	141,000.00	47,000.00	1,150,000.00
Torpedo station, Keyport, Wash.....	11,000.00	16,000.00	
Naval proving ground, Indianhead, Md.....	106,000.00	150,000.00	1,010,000.00
Naval training station, California, buildings.....	32,475.00	25,000.00	75,000.00
Naval training station, Rhode Island, buildings.....		33,000.00	390,000.00
Naval coal depot, Melville station, Rhode Island.....	35,000.00		
Naval magazines:			
New England coast.....	6,300.00	105,000.00	30,000.00
New York Harbor.....	5,000.00	50,000.00	18,000.00
Dover, N. J.....	10,000.00	100,000.00	18,000.00
Fort Mifflin, Pa.....	5,000.00	142,700.00	360,000.00
Norfolk, Va.....	78,000.00	117,000.00	
Charleston, S. C.....		120,000.00	
Mare Island, Cal.....	3,000.00	15,000.00	
Puget Sound, Wash.....	7,000.00	49,600.00	
Kuahuia, Hawaii.....	5,000.00		
Fort Lafayette.....			28,000.00
Buildings and grounds, Naval Academy.....	70,000.00	1,615,000.00	3,305,000.00
Depots for coal.....	500,000.00	2,500,000.00	760,000.00
Repairs and preservation at navy yards.....	1,414,000.00	5,705,000.00	4,000,000.00
Naval hospitals:			
Portsmouth, N. H.....		20,000.00	
Chelsea, Mass.....	14,700.00		
Newport, R. I.....	18,000.00		
New York, N. Y.....	10,000.00		
Mare Island, Cal.....	15,000.00		
Canacao, P. I.....	3,600.00		
Great Lakes.....		20,000.00	
Torpedo storage facilities, Navy.....			250,000.00
Marine barracks:			
Island of Guam.....	10,000.00		
Philadelphia, Pa.....		280,000.00	
Norfolk, Va.....		25,700.00	
Mare Island, Cal.....		55,000.00	
San Diego, Cal.....		600,000.00	1,500,000.00
Peking, China.....		62,000.00	110,000.00
Quantico, Va.....			475,000.00
Marine recruiting station, Fort Royal, S. C.....	15,000.00	49,500.00	320,000.00
Marine Corps rifle range, Winthrop, Md.....		10,000.00	
Commission on additional navy yards and stations.....	10,000.00	4,985.80	
Experimental and research laboratory.....	1,000,000.00	500,000.00	
Guns and munitions storage at navy yards and stations.....	280,400.00		
Land for naval base, San Diego County, Cal.....	250,000.00		
Hospitals and medical supply depots.....		6,100,000.00	10,295,000.00
Lighting facilities, navy yards and stations.....		200,000.00	
Ordnance storage.....		3,000,000.00	
Power plants and distributing systems, navy yards and stations.....		4,250,000.00	
Reimbursement for property damaged, Indianhead, Md.....		755.01	
Quarters for Marine guards at naval magazines.....		100,000.00	
Submarine facilities, navy yards and stations.....		1,500,000.00	
Handing appliances at navy yards.....		450,000.00	
Improvement at ordnance stations.....		4,750,000.00	
Marine railways at navy yards.....		375,000.00	
Naval training camps.....		29,000,000.00	
Temporary storage facilities, Navy.....		1,500,000.00	1,000,000.00

Table 1.—APPROPRIATION FOR THE NEW NAVY, FEB. 22, 1883, TO JULY 1, 1918—Continued.

	1917	1918	1919
PUBLIC WORKS, BUREAU OF YARDS AND DOCKS—con.			
Naval air station, Cape May, N. J. (purchase of land).....		\$150,000.00	
Land for naval warehouses, South Brooklyn, N. Y.....		560,000.00	
Temporary naval prison.....		200,000.00	
Naval fuel depot, San Diego, Cal.....			\$175,000.00
MEDICINE AND SURGERY.			
Medical department.....	\$921,740.00	5,621,740.00	5,000,000.00
Contingent, Medicine and Surgery.....	241,080.00	1,591,080.00	1,500,000.00
Bringing home remains of officers, etc., Navy Department.....			350,000.00
Care of hospital patients.....	24,908.00	632,658.00	4,000,000.00
Naval hospital, Fort Lyons, Colo.....		3,000,000.00	19,600.00
SUPPLIES AND ACCOUNTS.			
Pay of the Navy.....	50,226,912.65	126,532,448.57	227,372,946.00
Provisions, Navy.....	9,820,900.25	41,885,935.85	75,520,216.00
Maintenance, Supplies and Accounts.....	2,623,640.00	12,750,000.00	17,836,625.00
Freight, Supplies and Accounts.....	725,000.00	2,600,000.00	4,000,000.00
Fuel and transportation.....	5,000,000.00	25,982,420.00	49,400,000.00
Naval Reserve.....	112,871.71		
Naval Academy dairy, Annapolis, Md. (reimbursable).....	100,000.00	55,000.00	
Reserve material, Navy.....		5,000,000.00	
Clothing and small stores fund.....		11,071,000.00	27,000,000.00
CONSTRUCTION AND REPAIR.			
Construction and repair.....	11,786,069.16	70,177,340.00	60,000,000.00
Construction plants at navy yards.....	200,000.00	200,000.00	200,000.00
STEAM ENGINEERING.			
Engineering.....	10,725,216.28	57,230,500.00	50,000,000.00
Construction of propelling engines.....	1,000,000.00		
Engineering experimental station, Annapolis, Md.....	105,000.00	113,000.00	160,000.00
High-power radio stations.....	300,000.00	600,000.00	
Machinery plants at navy yards.....	200,000.00	190,000.00	
NAVAL ACADEMY.			
Pay, Naval Academy.....	334,521.92	406,893.30	643,113.20
Current and miscellaneous expenses, Naval Academy.....	42,785.00	52,000.00	96,800.00
Maintenance and repairs, Naval Academy.....	331,840.00	549,056.00	510,936.00
MARINE CORPS.			
Pay, Marine Corps.....	5,673,866.30	19,531,602.78	50,125,874.14
Expenses, Marine Corps Reserve.....	25,000.00	25,000.00	
Maintenance, Quartermaster's Department.....	7,165,831.71	33,688,546.00	93,203,662.00
Reserve supplies, Marine Corps.....			16,677,200.00
INCREASE OF THE NAVY.			
Construction and machinery.....	59,000,194.00	93,123,000.00	
Armor and armament.....	47,110,000.00	44,180,000.00	20,000,000.00
Torpedo boats.....	13,749,593.00	40,931,280.00	32,397,000.00
Ammunition.....	19,485,500.00	14,528,043.00	7,000,000.00
Improving and equipping navy yards for construction of ships.....	6,000,000.00	13,570,000.00	10,000,000.00
Naval emergency fund.....		215,000,000.00	100,000,000.00
Torpedo boat destroyers (hull machinery).....		225,000,000.00	125,000,000.00
MISCELLANEOUS.			
Claims for damage by collision with naval vessels.....	335.08	128.18	
Certified claims.....	24,224.19	49,753.24	
Judgments, Court of Claims, Navy.....	21,304.74	62,936.15	
Private acts.....	19,685.57	3,573.00	
TOTALS.			
Amount appropriated for each fiscal year.....	318,389,967.83	1,685,311,786.59	1,573,384,000.84
Amount appropriated and warranted during—			
Current fiscal year.....	313,158,609.83	1,032,086,809.41	1,573,384,000.84
First subsequent fiscal year.....	5,231,358.00	653,224,977.18	

¹ Amount appropriated for fiscal year 1918 but made immediately available and warranted in the preceding fiscal year.

Total appropriations for 36 years (fiscal years 1884 to 1919, inclusive), \$6,005,031,342.58.

Table 2.—SUMMARY OF NAVAL APPROPRIATION ACTS, FEB. 22, 1863, TO JULY 1, 1918.

Date of act.	Congress.	Amount.	Fiscal year.	Date of act.	Congress.	Amount.	Fiscal year.
Mar. 3, 1863.....	47-2	\$16,037,512.23	1864	Mar. 3, 1901.....	56-2	\$78,101,791.00	1902
July 7, 1864.....	48-1	8,931,856.12	1865	July 1, 1902.....	57-1	778,858,761.07	1903
Jan. 30, 1865.....	48-2	\$6,290,061.98		Mar. 3, 1903.....	57-2	81,876,791.43	1904
Mar. 3, 1865.....	48-2	\$15,170,867.56	1866	Apr. 27, 1904.....	58-2	97,505,140.94	1905
July 26, 1866.....	49-1	12,989,556.72	1867	Mar. 3, 1905.....	58-3	\$102,836,679.94	1906
Aug. 3, 1866.....	49-1	3,500,000.00		June 29, 1906.....	59-1	\$102,371,670.27	1907
Mar. 3, 1867.....	49-2	25,786,847.79	1868	Mar. 2, 1907.....	59-2	99,971,449.79	1908
Sept. 7, 1868.....	50-1	\$19,943,281.05	1869	May 13, 1908.....	60-1	\$102,371,670.27	1909
Mar. 2, 1869.....	50-2	21,692,510.27	1890	Mar. 3, 1909.....	60-2	136,935,199.05	1910
June 30, 1890.....	51-1	23,136,035.53	1891	June 24, 1910.....	61-2	\$131,510,246.01	1911
Mar. 2, 1891.....	51-2	\$31,541,645.78	1892	Mar. 4, 1911.....	61-3	126,478,338.24	1912
July 19, 1892.....	52-1	23,543,266.65	1893	Aug. 22, 1912.....	62-2	\$128,908,196.96	1913
Mar. 2, 1893.....	52-2	\$22,504,061.38	1894	Mar. 4, 1913.....	62-3	\$141,050,643.53	1914
July 26, 1894.....	53-2	25,366,826.72	1895	June 30, 1914.....	63-2	\$145,503,963.48	1915
Mar. 2, 1895.....	53-3	29,416,077.31	1896	Mar. 3, 1915.....	63-3	\$149,763,563.45	1916
June 10, 1896.....	54-1	30,862,660.95	1897	Aug. 29, 1916.....	64-1	\$173,888,060.25	1917
Mar. 3, 1897.....	54-2	34,128,234.19	1898	Mar. 4, 1917.....	64-2	516,607,387.08	1918
May 4, 1898.....	55-2	56,096,783.68	1899	July 1, 1918.....	65-1	1,573,384,060.84	1919
Mar. 3, 1899.....	55-3	48,099,969.58	1900				
June 7, 1900.....	56-1	\$61,140,916.67	1901	Total.....		4,643,399,048.76	

¹ Includes \$83,265 unexpended balance "Steel rifled breech loading guns" reappropriated.
² Includes \$140,000 unexpended balance "Machinery double turreted monitors" reappropriated to "Steam machinery, 1885."
³ Includes \$40,162.61 unexpended balance "Construction and repair, 1883," reappropriated to "Increase of the Navy, steel cruisers, Construction and repair."
⁴ Includes \$5,000 unexpended balance "Repairs, Naval Academy, 1888," reappropriated to "Boat house for steam launches, Naval Academy."
⁵ Includes \$200,000 appropriated from the "General account of advances" to form a "Naval supply fund"; also \$203,000 reappropriated from the unexpended balance of "Increase of the Navy, armor and armament," to "Increase of the Navy, submarine torpedo boats."
⁶ This amount does not include \$4,000,000 authorized for factory for the manufacture of armor. This amount was never warranted by the Treasury Department.
⁷ Includes \$2,397.94 reappropriated from unexpended balances under "Repairs of barracks, Marine Corps," act June 10, 1896.
⁸ Includes \$2,500,000 reappropriated from the unexpended balance under "Pay of the Navy, 1903," and "Pay of the Navy, 1902."
⁹ Includes \$300,000 reappropriated from the unexpended balance under "Construction and repair, 1904."
¹⁰ Includes reappropriations from unexpended balances as follows: "Provisions, Navy, 1904, \$324,866.87"; "Provisions, Navy, 1905, \$678,075.42"; and "Contingent, Supplies and Accounts, 1904, \$10,000."
¹¹ Includes \$3,647.80 reappropriated from unexpended balance "Navy yard, Boston, Mass.," to "Navy yard, Portsmouth, N. H."
¹² Includes \$64,677.71 "previously appropriated and erroneously transferred to "Consolidating power plants, navy yards and stations," under "Naval station, New Orleans, La.," also \$35,000 reappropriated from unexpended balance "Naval station, Honolulu, Hawaii," to "Naval station, Pearl Harbor, Hawaii."
¹³ Includes \$5,668,189.20 unexpended balances under various Bureau of Ordnance appropriations reappropriated for the fiscal year 1913; also \$15,000 of unexpended balance "Barracks and quarters, Marine Corps," reappropriated under "Naval station, Key West, Fla."
¹⁴ Includes \$250,000 unexpended balance under "Steam machinery, 1912," reappropriated under "Development of heavy-oil engine."
¹⁵ Includes reappropriations as follows: \$148,000 unexpended balance under "Marine barracks, navy yard, Boston, Mass.," reappropriated under "Navy yard, Boston, Mass.,"; \$300,000 unexpended balance under "Wrecking pontoon for submarines," reappropriated under "Increase of the Navy, torpedo boats"; \$53,394.87 unexpended balance under "Naval Academy, dairy, Annapolis, Md. (reimbursable)," reappropriated for the same purpose; \$76,735 unexpended balance "Development of heavy-oil engine" reappropriated for the same purpose.
¹⁶ Includes reappropriations from various unexpended balances amounting to \$2,219,581.57 as follows: \$1,000,000 under "Aeronautics, 1916"; \$15,000 under "Naval station, Pensacola, Fla.,"; \$800,000 under "Increase of the Navy, torpedo boats"; \$4,581.57 under "Committee to investigate cost of United States armor plant"; \$200,000 under "Marine barracks, Mare Island, Cal.,"; \$200,000 under "Marine barracks, Norfolk, Va.,"; also \$10,000 of the amount authorized for an "Advisory committee for aeronautics."
¹⁷ Includes reappropriations from unexpended balances amounting to \$132,871.71 as follows: "Naval coal depot, Melville Station, R. I.," \$20,000; "Naval Reserve," \$112,871.71.

Table 3.—SUMMARY OF MISCELLANEOUS APPROPRIATIONS FOR THE NEW NAVY, FEB. 22, 1883, TO JULY 1, 1918.

[Includes certain amounts warranted by the Treasury Department subsequent to Feb. 22, 1883, but appropriated prior to that date under indefinite appropriations, as explained in footnotes.]

Date of act, etc.	Name of act.	Congress and session.	Amount.	Total.	Year, Congress, and session
Feb. 22, 1883	(1).....	47-2	\$140,000.00		
Mar. 2, 1883	Private.....	47-2	6,556.85		
Mar. 3, 1883	do.....	47-2	1,781.89		
Do.....	Deficiency.....	47-2	* 13,494.64		
Do.....	Sundry civil.....	47-2	713,038.94		
Do.....	(2).....	47-2	5,218.32		
R. S., 3689	(3).....	Prior.	1,429.93		
Dec. 15, 1879	(4).....	Prior.	318.00		
Feb. 19, 1879	(5).....	Prior.	1,028.00	\$882,776.57	1883-47-2
Feb. 13, 1884	Joint resolution.....	48-1	762,953.15		
Apr. 17, 1884	Reward for Greely expedition.....	48-1	25,000.00		
Ma/ 1, 1884	Urgent deficiency.....	48-1	254,030.00		
Jul. 7, 1884	Sundry civil.....	48-1	426,000.00		
Do.....	Legislative.....	48-1	5,000.00		
Do.....	Deficiency.....	48-1	152,498.64		
R. S., 3689	(6).....	Prior.	8,986.54		
Feb. 19, 1879	(7).....	Prior.	122,639.81		
Mar. 3, 1883	(8).....	Prior.	215.00	1,757,293.14	1884-48-1
Mar. 3, 1885	Deficiency.....	48-2	* 590,579.84		
Do.....	Sundry civil.....	48-2	460,237.92		
Jan. 21, 1885	Private.....	48-2	501.00		
Mar. 3, 1885	do.....	48-2	12,500.00		
Do.....	do.....	48-2	2,300.00		
R. S., 3689	(9).....	Prior.	956.95		
Feb. 19, 1879	(10).....	Prior.	58,310.72	1,145,386.43	1885-48-2
Mar. 26, 1886	Urgency deficiency.....	49-1	251,863.00		
Aug. 4, 1886	Sundry civil.....	49-1	452,595.00		
Do.....	Deficiency.....	49-1	* 202,696.43		
Feb. 19, 1879	(11).....	Prior.	15,079.06	922,143.49	1886-49-1
Jan. 3, 1887	(12).....	49-2	16,956.28		
Jan. 29, 1887	(13).....	49-2	12,822.00		
Feb. 21, 1887	Private.....	49-2	270.00		
Feb. 23, 1887	do.....	49-2	510.00		
Feb. 19, 1879	(14).....	Prior.	5,781.51		
June 16, 1880	(15).....	Prior.	918.00	37,257.79	1887-49-2
Feb. 1, 1888	Deficiency.....	50-1	67,230.53		
Mar. 30, 1888	Urgent deficiency.....	50-1	349,430.54		
June 18, 1888	Private.....	50-1	275.13		
Aug. 15, 1888	do.....	50-1	5,158.64		
Aug. 21, 1888	do.....	50-1	250.00		
Oct. 19, 1888	do.....	50-1	13,506.33		
Do.....	do.....	50-1	370.50		
Do.....	Deficiency.....	50-1	584,534.56		
R. S., 3689	(16).....	Prior.	360.00		
Feb. 19, 1879	(17).....	Prior.	13,437.33	1,034,551.56	1888-50-1
Mar. 2, 1889	Deficiency.....	50-2	1,922,992.21		
Jan. 21, 1889	Private.....	50-2	1,237.50		
Feb. 23, 1889	do.....	50-2	3,591.90		
Mar. 1, 1889	do.....	50-2	3,626.34		
R. S., 3689	(18).....	Prior.	18,796.26		
Feb. 19, 1879	(19).....	Prior.	11,250.00		
Mar. 3, 1881	(20).....	Prior.	1,532.86	1,963,027.17	1889-50-2
Feb. 19, 1890	Relief sufferers, etc. ¹⁴	51-1	201,878.73		
Apr. 4, 1890	Urgent deficiency.....	51-1	56,000.00		
Apr. 11, 1890	Joint resolution.....	51-1	¹⁵ 75,000.00		
June 8, 1890	Private.....	51-1	6,717.12		
Sept. 29, 1890	Joint resolution.....	51-1	¹⁶ 1,000,000.00		
Sept. 30, 1890	Deficiency.....	51-1	970,174.73		
R. S., 3689	(21).....	Prior.	299.91		
Feb. 19, 1879	(22).....	Prior.	2,287.50		
Dec. 15, 1877	(23).....	Prior.	186.00		
Sept. 28, 1890	Private.....	51-1	6,271.23	2,318,815.22	1890-51-1
Mar. 3, 1891	Deficiency.....	51-2	1,131,942.99		
Feb. 21, 1891	Private.....	51-2	21,230.67		
Mar. 3, 1891	do.....	51-2	4,617.60		
Mar. 2, 1891	do.....	51-2	59,114.65		
R. S., 3689	(24).....	Prior.	7,329.32		
Dec. 15, 1877	(25).....	Prior.	156.00		
Feb. 19, 1879	(26).....	Prior.	1,525.50		
Feb. 19, 1890	(27).....	Prior.	8,474.13	1,234,394.86	1891-51-2

For footnotes, see p. 678.

Table 3.—SUMMARY OF MISCELLANEOUS APPROPRIATIONS FOR THE NEW NAVY, FEB. 23, 1883, TO JULY 1, 1918—Continued.

Date of act, etc.	Name of act.	Congress and session.	Amount.	Total.	Year, Congress, and session.
July 28, 1892	Deficiency.....	52-1	\$148,461.53		
Aug. 5, 1892	Sundry civil.....	52-1	250,000.00		
Feb. 19, 1890	(14).....	Prior.	3,812.78		
Feb. 19, 1879	(9).....	Prior.	2,579.67		
Sept. 30, 1890	(11).....	Prior.	734.13		
Feb. 23, 1891	(18).....	Prior.	45,201.08		
R. S., 3689...	(1).....	Prior.	180.00	\$450,972.19	1892-52-1
Jan. 5, 1893	Private ¹⁹	52-2	830.33		
Feb. 25, 1893	Private.....	52-2	175.39		
Mar. 3, 1893	Deficiency.....	52-2	100,241.95		
R. S., 3689...	(1).....	Prior.	9,499.74		
Feb. 19, 1879	(9).....	Prior.	2,597.50		
Feb. 19, 1890	(14).....	Prior.	308.77		
Feb. 23, 1891	(18).....	Prior.	7,900.00	121,553.68	1893-52-2
Mar. 9, 1894	Public ²⁰	53-2	45,000.00		
Apr. 21, 1894	Urgent deficiency.....	53-2	40,000.00		
Aug. 18, 1894	Sundry civil.....	53-2	45,000.00		
Aug. 23, 1894	Deficiency.....	53-2	193,417.11		
R. S., 3689...	(1).....	Prior.	1,171.64		
Feb. 19, 1879	(9).....	Prior.	485.00	325,073.75	1894-53-2
Mar. 2, 1896	(21).....	53-3	20,606.68		
Do.....	Deficiency.....	53-3	148,195.85		
Feb. 19, 1879	(9).....	Prior.	650.50		
Feb. 19, 1890	(14).....	Prior.	1,125.75	170,578.78	1895-53-3
Feb. 26, 1896	Urgent deficiency.....	54-1	102,810.56		
May 15, 1896	Private.....	54-1	3,519.15		
June 8, 1896	Deficiency.....	54-1	395,960.77		
June 9, 1896	Private.....	54-1	670.58		
June 10, 1896	(22).....	54-1	87,646.48		
Feb. 19, 1879	(9).....	Prior.	2,609.25		
Feb. 19, 1890	(14).....	Prior.	447.45		
Mar. 2, 1896	(21).....	Prior.	2,496.94	596,161.18	1896-54-1
Dec. 22, 1896	Urgent deficiency.....	54-2	700,000.00		
Feb. 8, 1897	Private.....	54-2	5,216.85	706,216.85	1897-54-2
June 4, 1897	Sundry civil.....	55-1	10,000.00		
June 26, 1897	Joint resolution.....	55-1	100,000.00		
July 19, 1897	Deficiency.....	55-1	433,001.83		
Feb. 19, 1879	(9).....	Prior.	2,656.50		
Mar. 2, 1896	(21).....	Prior.	40.25		
Mar. 3, 1881	(15).....	Prior.	732.60		
Feb. 19, 1890	(14).....	Prior.	270.25		
June 10, 1896	(22).....	Prior.	10,869.59	557,561.02	1897-55-1
Dec. 16, 1897	Deficiency.....	55-2	5,000.00		
Feb. 23, 1898	Joint resolution.....	55-2	200,000.00		
Jan. 28, 1898	Urgent deficiency.....	55-2	940,000.00		
Feb. 19, 1898	Deficiency.....	55-2	125,000.00		
Mar. 9, 1898	Urgent deficiency.....	55-2	117,000.00		
Do.....	Deficiency ²²	55-2	26,820,116.22		
Mar. 30, 1898	Joint resolution.....	55-2	¹⁴ 127,432.92		
Apr. 4, 1898	Private.....	55-2	330,151.42		
May 4, 1898	Deficiency.....	55-2	100,000.00		
May 7, 1898	Private.....	55-2	69,550.39		
May 26, 1898	Joint resolution.....	55-2	3,000,000.00		
June 3, 1898	..... do.....	55-2	10,000.00		
Do.....	Private.....	55-2	28,160.25		
June 8, 1898	Urgent deficiency.....	55-2	12,000,000.00		
July 7, 1898	Deficiency.....	55-2	44,541,281.66		
Feb. 19, 1879	(9).....	Prior.	4,435.33		
Feb. 19, 1890	(14).....	Prior.	39.00		
Mar. 3, 1881	(15).....	Prior.	560.10		
Feb. 23, 1891	(18).....	Prior.	23,100.00		
June 10, 1896	(22).....	Prior.	16,016.05		
Mar. 2, 1896	(21).....	Prior.	333.75	88,456,157.09	1898-55-2
Jan. 5, 1899	Deficiency.....	55-3	²³ 5,568,853.00		
Mar. 3, 1899	..... do.....	55-3	²⁴ 2,281,017.32		
Do.....	Claims.....	55-3	247,019.77		
Feb. 19, 1879	(9).....	Prior.	3,065.17		
Feb. 19, 1890	(14).....	Prior.	312.00		
June 10, 1896	(22).....	Prior.	26,535.54		
Apr. 7, 1897	Private resolution.....	.....	20,000.00		
June 1, 1897	(23).....	Prior.	1,045,064.40		
Mar. 9, 1898	(24).....	Prior.	5,733.00	9,197,600.20	1899-55-3
Mar. 20, 1898	(25).....	Prior.			

For footnotes, see p. 678.

Table 3.—SUMMARY OF MISCELLANEOUS APPROPRIATIONS FOR THE NEW NAVY, FEB. 22, 1883, TO JULY 1, 1918—Continued.

Date of act, etc.	Name of act.	Congress and session.	Amount.	Total.	Year, Congress, and session.				
Feb. 9, 1900	Urgent deficiency.....	56-1	\$7 4,605,000.00	\$5,806,369.95	1900-56-1				
Mar. 30, 1900	do.....	56-1	645,000.00						
May 12, 1900	Private.....	56-1	32,823.00						
June 5, 1900	do.....	56-1	3,500.00						
June 6, 1900	Deficiency.....	56-1	227,463.09						
Do.....	Rivers and harbors.....	56-1	10,000.00						
Feb. 19, 1879	(*).....	Prior.	2,249.00						
June 10, 1896	(23).....	Prior.	58,213.62						
Apr. 7, 1897	Private resolution.....	.....	20,000.00					
June 1, 1897	(23).....	Prior.	203,895.74						
Mar. 3, 1898	(24).....	Prior.	192.00						
Mar. 30, 1898	(24).....	Prior.	33.50						
Jan. 4, 1901	Urgent deficiency.....	56-2	10,000.00			4,918,299.23	1901-56-2		
Mar. 3, 1901	Deficiency.....	56-2	4,796,879.02						
Do.....	Joint resolution.....	56-2	25,000.00						
Feb. 19, 1879	(*).....	Prior.	349.00						
June 10, 1896	(23).....	Prior.	83,411.21						
Mar. 30, 1898	(24).....	Prior.	660.00						
Feb. 14, 1902	Urgent deficiency.....	57-1	\$ 6,165,157.12					6,488,564.22	1902-57-1
Do.....	(23).....	57-1	42,633.82						
Apr. 7, 1902	Urgent deficiency.....	57-1	3,189.39						
May 27, 1902	Private act.....	57-1	701.25						
Do.....	Claims.....	57-1	5,063.75						
July 1, 1902	Deficiency.....	57-1	233,739.80						
Feb. 19, 1879	(*).....	Prior.	63.00						
June 10, 1896	(23).....	Prior.	37,604.09						
Mar. 30, 1898	(24).....	Prior.	432.00						
Feb. 7, 1903	(25).....	57-2	14,263.47						
Feb. 5, 1903	Private.....	57-2	4,000.00						
Mar. 3, 1903	do.....	57-2	1,951.01						
Do.....	Deficiency.....	57-2	2,683,083.22						
Do.....	Sundry civil.....	57-2	100,000.00						
June 10, 1896	(23).....	Prior.	92,725.25						
Feb. 14, 1902	(23).....	Prior.	664.28						
May 27, 1902	Claims.....	Prior.	203,219.33						
Feb. 18, 1904	Urgent deficiency.....	58-2	3,181,145.16	3,116,906.56	1903-57-				
Mar. 11, 1904	Private.....	58-2	63,620.59						
Apr. 27, 1904	Deficiency.....	58-2	3,025,906.59						
Apr. 28, 1904	Panama Canal.....	58-2	2,500.00						
Feb. 19, 1879	(*).....	Prior.	60.00						
June 10, 1896	(23).....	Prior.	72,353.69						
Feb. 14, 1902	(23).....	Prior.	11.44						
Feb. 7, 1903	(25).....	Prior.	1,440.50						
Jan. 5, 1905	Private.....	58-3	3,758.45			6,347,029.97	1904-58-2		
Jan. 12, 1905	do.....	58-3	700.00						
Feb. 24, 1905	Claims.....	58-3	470,556.20						
Mar. 3, 1905	Deficiency.....	58-3	15,079,110.92						
Feb. 19, 1879	(*).....	Prior.	24.00						
June 10, 1896	(23).....	Prior.	68,868.07						
Feb. 7, 1903	(25).....	Prior.	199.98						
Feb. 27, 1906	Urgent deficiency.....	59-1	1,772,758.21					15,623,217.62	1905-58-3
Apr. 23, 1906	Deficiency.....	59-1	4,000.00						
May 3, 1906	Earthquake, Pacific coast.....	59-1	100,000.00						
June 30, 1906	Deficiency.....	59-1	1,238,082.91						
June 10, 1896	(23).....	Prior.	96,393.10						
Feb. 7, 1903	(25).....	Prior.	209.88						
Mar. 3, 1903	Naval 22.....	Prior.	57,498.33						
Apr. 27, 1904	Naval 22.....	Prior.	43,837.47						
Mar. 3, 1905	Treasury 21.....	Prior.	125,000.00						
Do.....	Deficiency (indefinite).....	Prior.	5,892.33						
Jan. 25, 1907	Private.....	59-2	1,000.00	3,443,672.23	1906-59-1				
Do.....	do.....	59-2	1,244.00						
Feb. 9, 1907	Urgent deficiency.....	59-2	250,000.00						
Feb. 28, 1907	Private.....	59-2	1,157.00						
Mar. 4, 1907	Deficiency—11 a. m.....	59-2	496,145.27						
Do.....	Deficiency—10 a. m.....	59-2	17,906.32						
Feb. 19, 1879	(*).....	Prior.	30.00						
June 10, 1896	(23).....	Prior.	67,882.14						
Feb. 7, 1903	(25).....	Prior.	69.86						
Apr. 27, 1904	Naval 22.....	Prior.	95,000.00						
Mar. 3, 1905	Claims (indefinite).....	Prior.	1,448.60						
						921,962.19	1907-59-2		

For footnotes, see p. 678.

Table 3.—SUMMARY OF MISCELLANEOUS APPROPRIATIONS FOR THE NEW NAVY, FEB. 22, 1883, TO JULY 1, 1918—Continued.

Date of act, etc.	Name of act.	Congress and session.	Amount.	Total.	Year, Congress, and session.		
Feb. 15, 1908	Deficiency.....	60-1	\$824.18	\$7,347,020.33	1908-60-1		
May 20, 1908		60-1	1,614,566.35				
Feb. 15, 1908	Urgent deficiency.....	60-1	2,000,000.00				
Apr. 7, 1908	do.....	60-1	3,694,134.69				
May 20, 1908	Deficiency.....	60-1	1,088.80				
May 30, 1908	Private.....	60-1	45.00				
Feb. 19, 1879	(*).....	Prior.	5,130.43				
June 10, 1896	(*).....	Prior.	29,677.71				
Apr. 27, 1896	Naval ¹¹	Prior.	1,570.17				
Mar. 4, 1907	Deficiency (indefinite).....	Prior.					
Jan. 5, 1909	Italian earthquake.....	60-2	800,000.00	3,107,456.80	1909-60-2		
Mar. 4, 1909	Deficiency.....	60-2	2,281,865.80				
Feb. 19, 1879	(*).....	Prior.	30.00				
Feb. 25, 1905	Omnibus claims.....	Prior.	25,561.00				
Feb. 25, 1910	Urgent deficiency.....	61-2	436,773.06	1,706,447.18	1910-61-2		
Do.....	Deficiency.....	61-2	4,111.29				
June 25, 1910	do.....	61-2	1,233,558.54				
Do.....	Claims.....	61-2	30,084.16				
Feb. 19, 1879	(*).....	Prior.	100.00				
Feb. 25, 1905	Omnibus claims.....	Prior.	1,787.50				
Mar. 4, 1907	Deficiency (indefinite).....	Prior.	32.63				
Dec. 23, 1910	Urgent deficiency.....	61-3	550,000.00			1,340,343.24	1911-61-3
Feb. 13, 1911	Private.....	61-3	1,315.00				
Feb. 18, 1911	do.....	61-3	1,022.00				
Do.....	do.....	61-3	5,751.75				
Mar. 4, 1911	Deficiency.....	61-3	782,264.49				
Apr. 8, 1912	Repair, etc., trophy flags.....	62-2	30,000.00	830,858.92	1912-62-2		
July 3, 1912	Private.....	62-2	1,572.04				
July 6, 1912	do.....	62-2	701.12				
July 30, 1912	do.....	62-2	3,000.00				
Aug. 21, 1912	do.....	62-2	1,000.00				
Aug. 26, 1912	Deficiency.....	62-2	771,542.88				
Feb. 19, 1890	(1) ¹²	Prior.	288.00				
Feb. 7, 1903	(*).....	Prior.	69.86				
June 25, 1910	Claims.....	Prior.	22,684.92				
Feb. 7, 1913	Private.....	62-3	2,000.00			1,499,720.94	1913-62-3
Feb. 18, 1913	do.....	62-3	750.00				
Mar. 4, 1913	Deficiency.....	62-3	1,492,429.36				
Feb. 19, 1890	(1) ¹²	Prior.	228.00				
Mar. 4, 1907	Deficiency (indefinite).....	Prior.	4,313.58				
Oct. 22, 1913	Deficiency.....	63-1	193,802.80	193,802.80	1913-63-1		
Feb. 16, 1914	Naval Militia.....	63-2	400,000.00				
Apr. 6, 1914	Deficiency.....	63-2	753,759.89	2,750,368.93	1914-63-2		
Apr. 15, 1914	Private.....	63-2	1,248.00				
Apr. 16, 1914	do.....	63-2	1,000.00				
Apr. 24, 1914	Relief, American citizens in Mexico.....	63-2	191,349.69				
Apr. 25, 1914	Public resolution.....	63-2	29,084.67				
July 17, 1914	Private.....	63-2	2,500.00				
July 29, 1914	Deficiency.....	63-2	1,319,864.33				
Aug. 21, 1914	Private.....	63-2	642.40				
Do.....	do.....	63-2	46,169.95				
Sept. 15, 1914	do.....	63-2	1,500.00				
Oct. 22, 1914	do.....	63-2	1,500.00				
Do.....	do.....	63-2	1,750.00				
Feb. 17, 1915	do.....	63-3	955.20	1,270,344.58	1915-63-3		
Mar. 4, 1915	do.....	63-3	330.88				
Do.....	Deficiency.....	63-3	1,067,756.50				
Do.....	Omnibus claims.....	63-3	1,302.00				
Feb. 16, 1914	Naval Militia.....	Prior.	200,000.00				
Feb. 7, 1903	(*).....	Prior.	9.86	1,270,344.58	1915-63-3		
Feb. 16, 1914	Naval Militia.....	Prior.	200,000.00				
Apr. 24, 1914	(*).....	Prior.	3,225.00				
Feb. 28, 1916	Deficiency.....	64-1	241,341.09				
Mar. 31, 1916	Urgent deficiency.....	64-1	2,627,000.00				
May 3, 1916	Private.....	64-1	2,000.00				
June 12, 1916	do.....	64-1	1,174.13				
July 1, 1916	Deficiency.....	64-1	326,000.00				

For footnotes, see p. 678.

Table 3.—SUMMARY OF MISCELLANEOUS APPROPRIATIONS FOR THE NEW NAVY, FEB. 22, 1883, TO JULY 1, 1918—Continued.

Date of act, etc.	Name of act.	Congress and session.	Amount.	Total.	Year, Congress, and session.
July 31, 1916	Private.....	64-1	\$13,561.88		
Aug. 7, 1916	.....do.....	64-1	762.00		
Do.....	.....do.....	64-1	1,248.00		
Aug. 9, 1916	.....do.....	64-1	2,470.00		
Aug. 21, 1916	.....do.....	64-1	624.00		
Sept. 8, 1916	Deficiency.....	64-1	1,898,711.87		
Do.....	Private.....	64-1	1,019.69		
Mar. 3, 1915	Naval.....	Prior.	5,000.00		
Feb. 8, 1917	Private, No. 186.....	64-2	1,073.00	\$5,324,147.52	1916-64-1
Feb. 14, 1917	Private, No. 181.....	64-2	2,500.00		
Feb. 16, 1914	Naval Militia.....	Prior.	200,000.00		
Apr. 17, 1917	Deficiency.....	65-1	9,081,569.71	203,573.00	1917-64-2
Do.....	.....do.....	65-1	400,000.00		
June 15, 1917	Urgent deficiency.....	65-1	514,805,033.87		
Oct. 6, 1917	.....do.....	65-1	561,478,073.49	524,286,603.58	1917-65-1
Do.....	Public, No. 62.....	65-1	150,000.00		
Mar. 23, 1918	Urgent deficiency.....	65-2	63,569,808.25		
June 4, 1918	.....do.....	65-2	25,807,000.00		
Apr. 26, 1918	Public, No. 140.....	65-2	1,000,000.00		
Apr. 17, 1917	Deficiency.....	Prior.	1,115,154.52		
July 1, 1918	.....do.....	65-2	4,985.80		
	Total.....			653,225,023.06	
				1,361,632,293.82	

¹ "Payment of Japanese award."

² In addition to this amount \$27,406.51 was appropriated for 1883 and prior fiscal years.

³ "Relief of officers and crew of the U. S. S. Rodgers." Indefinite appropriation. Amount warranted for the fiscal year.

⁴ "Indemnity for lost clothing." Indefinite appropriation. Amount warranted for the fiscal year.

⁵ "Relief of sufferers, wreck of U. S. S. Huron." Indefinite appropriation. Amount warranted for the fiscal year.

⁶ "Extra pay to officers and men who served in the Mexican War." Indefinite appropriation. Amount warranted for the fiscal year.

⁷ In addition to this amount \$57,186.47 was appropriated for 1883 and prior fiscal years.

⁸ In addition to this amount \$36,877.57 was appropriated for 1883 and prior fiscal years.

⁹ In addition to this amount \$174,926.07 was appropriated for 1883 and prior fiscal years.

¹⁰ "Relief of survivors, etc., steamer Jeannette."

¹¹ "Relief of sufferers, wreck of steamer Ashuelot."

¹² "Gratuities to machinists in lieu of reenlistment."

¹³ "Relief of persons impressed into U. S. naval service." Indefinite appropriation. Amount warranted for the fiscal year.

¹⁴ "Relief of sufferers, wreck of U. S. steamers at Apia, Samoa." Indefinite appropriation. Amount warranted for the fiscal year.

¹⁵ "Site for magazine, New York Harbor."

¹⁶ "Increase of the Navy, nickel."

¹⁷ "Medals, Jeannette arctic expedition."

¹⁸ "Relief of Rodman M. Price."

¹⁹ "Removal of remains of D. F. Terrell, ensign, U. S. Navy, from Alaska."

²⁰ "Reclaiming wreck of the U. S. S. Kearsarge."

²¹ "Indemnity for lost property, naval service." Indefinite appropriation. Amount warranted for the fiscal year.

²² "Navy transportation, Pacific railroads." Indefinite appropriation. Amount warranted for the fiscal year.

²³ "National defense." Amount warranted to the Navy Department for the fiscal year.

²⁴ "Relief of sufferers by destruction of the U. S. S. Maine." Indefinite appropriation. Amount warranted for the fiscal year.

²⁵ Includes various reappropriations amounting to \$5,307,878.

²⁶ Includes various reappropriations amounting to \$850,000; also \$351.12 warranted from indefinite appropriation.

²⁷ Includes various reappropriations amounting to \$1,850,000.

²⁸ "Transporting contributions to famishing poor in India."

²⁹ Includes \$200,000 reappropriated from the unexpended balance of "Provisions, Navy, 1900," to the "Naval Supply Fund."

³⁰ "Relief of officers and crew of the U. S. S. Charleston."

³¹ "Entertainment of foreign naval representatives, Jamestown Exposition."

³² "Reappropriation of unexpended balances," appropriation, "Navy yard, Boston, Mass.," to "Navy yard, Portsmouth, N. H.," warranted during the fiscal year.

³³ Amount warranted during the fiscal year 1906 by act consolidating power plants at navy yards and stations.

³⁴ Amount warranted under act reappropriating unexpended balances of "Construction plant, naval station, New Orleans, La.," and "Machinery plant, naval station, New Orleans, La.," to "Naval station, New Orleans, La."

³⁵ Amount warranted to the Navy Department on account of the act for the "Relief and transportation of American citizens in Mexico."

³⁶ Amount warranted to the Navy Department from the appropriation "National security and defense."

³⁷ Reappropriated unexpended balance, "Commission on additional navy yards and stations."

Table 4.—SUMMARY OF ALL APPROPRIATIONS FOR THE NEW NAVY, FEB. 22, 1883, TO JULY 1, 1918.

Year, Congress, and session.	By naval appropriation acts.	Miscellaneous acts.	Total.
1883 (47-2)	\$16,037,512.23	\$882,776.57	\$16,920,288.80
1884 (48-1)	8,931,856.12	1,757,293.14	10,689,149.26
1885 (48-2)	21,460,929.54	1,145,386.43	22,606,315.97
1886 (49-1)	16,489,556.72	922,143.49	17,411,700.21
1887 (49-2)	25,786,847.79	37,257.79	25,824,105.58
1888 (50-1)	19,943,281.05	1,034,551.56	20,977,832.61
1889 (50-2)	21,692,510.27	1,963,027.17	23,655,537.44
1890 (51-1)	23,136,035.53	2,318,815.22	25,454,850.75
1891 (51-2)	31,541,645.78	1,234,394.86	32,776,040.64
1892 (52-1)	23,543,266.65	450,972.19	23,994,238.84
1893 (52-2)	22,504,061.38	121,553.68	22,625,615.06
1894 (53-2)	25,366,826.72	325,073.75	25,691,900.47
1895 (53-3)	29,416,077.31	170,578.78	29,586,656.09
1896 (54-1)	30,862,660.95	598,161.18	31,458,822.13
1897 (54-2)	34,128,234.19	705,216.85	34,833,451.04
1897 (55-1)		657,561.02	557,561.02
1896 (55-2)	56,098,783.68	88,458,157.09	144,556,940.77
1899 (55-3)	48,099,969.58	9,197,600.20	57,297,569.78
1900 (56-1)	61,140,916.67	5,808,369.85	66,949,286.52
1901 (56-2)	78,101,791.00	4,918,299.23	83,020,090.23
1902 (57-1)	78,858,761.07	6,488,584.22	85,347,345.29
1903 (57-2)	81,876,791.48	3,116,906.56	84,993,697.99
1904 (58-2)	97,505,140.94	6,347,029.97	103,852,170.96
1905 (58-3)	102,836,679.94	15,623,217.62	118,459,897.51
1906 (59-1)	102,371,670.27	3,443,672.25	105,815,342.50
1907 (59-2)	99,971,449.79	921,882.19	100,893,431.98
1908 (60-1)	122,666,133.27	7,347,020.33	130,013,153.60
1909 (60-2)	136,635,199.06	3,107,456.80	140,042,655.86
1910 (61-2)	131,510,246.01	1,706,447.18	133,216,693.19
1911 (61-3)	128,478,338.24	1,340,343.24	129,818,681.48
1912 (62-2)	128,908,196.96	830,858.92	129,739,055.88
1913 (62-3)	141,050,643.53	1,499,720.94	142,550,364.47
1913 (63-1)		193,802.80	193,802.80
1914 (63-2)			
1914 (63-3)	145,503,983.48	2,750,368.93	148,254,352.41
1915 (63-3)	149,783,563.45	1,270,344.58	151,053,908.03
1916 (64-1)	312,884,060.25	5,324,147.52	318,208,207.77
1917 (64-2)	516,607,387.08	203,573.00	516,810,960.08
1917 (65-1)		524,296,603.58	524,296,603.58
1918 (65-2)	1,573,384,060.84	653,225,023.06	2,226,609,083.90
Total	4,643,399,048.76	1,361,632,293.82	6,005,031,342.58
Total expenditures for the Navy from 1884 to 1918, inclusive			

NOTES.

Statements 43, 44, 45, and 46 do not include the act of Mar. 3, 1875, authorizing the expenditure each year of \$75,000 from the proceeds of sales of ordnance material nor to appropriations for clerical and contingent expenses of Navy Department.

In the preparation of Statements 43, 44, 45, and 46 all reappropriations warranted by the Treasury Department have been treated the same as new appropriations.

TABLE 5.—Comparative statement of estimates and appropriations, 1918-19—Navy Department.

Navy Department.	Appropriated, 1918.	Estimates, 1919.	Increase of esti- mates for 1919 over amount appropriated for 1918 for same purpose.	Decrease of esti- mates for 1919 as compared with amount appro- priated for 1918 for same purpose.	New items, 1919.
Office of the Secretary: Salaries..... Three telephone switchboard operators, at \$720 each, omitted..... Total.....	\$85,020.00	\$82,860.00		\$2,160.00	
Office of the Solicitor: Salaries.....	20,590.00	20,590.00			
Office of Naval Records and Library: Salaries..... Necessary traveling expenses..... Total.....	21,000.00 100.00 21,100.00	21,000.00 100.00 21,100.00			
Office of the Judge Advocate General: Salaries.....	17,010.00	17,010.00			
Office of Chief of Naval Operations: Salaries.....	31,350.00	31,350.00			
Bureau of Navigation: Salaries.....	100,990.00	100,990.00			
Office of Naval Intelligence: Salaries.....	17,100.00	17,100.00			
Hydrographic Office: Salaries..... Contingent and miscellaneous expenses— For purchase of copper plates, etc..... Contingent expenses of branch offices..... For services of necessary employees at branch offices..... Total.....	124,020.00 60,000.00 10,000.00 17,960.00 211,980.00	124,020.00 100,000.00 15,000.00 17,960.00 256,980.00	\$40,000.00 5,000.00		45,000.00

Naval Observatory:					
Salaries.....	47,040.00	47,040.00			
Contingent and miscellaneous expenses—					
Miscellaneous computations.....					250.00
Books, etc.....	5,000.00	5,000.00			
Apparatus, etc.....	750.00	1,000.00			
Repairs, etc.....	2,000.00	3,000.00			
Fuel, etc.....	3,000.00	4,000.00			
Grounds and roads, etc.....	8,000.00	12,000.00			
Observations, eclipse of the sun.....	5,000.00	7,500.00			
Nautical instrument repair shop.....	3,500.00				3,500.00
Total.....	20,000.00				20,000.00
	94,290.00	79,540.00		8,750.00	23,500.00
Nautical Almanac Office:					
Salaries, Nautical Almanac Office.....	19,240.00	19,240.00			
Pay of computers on piecework, etc.....	3,000.00	3,000.00			
Total.....	22,240.00	22,240.00			
Bureau of Steam Engineering:					
Salaries.....	65,210.00	65,210.00			
Bureau of Construction and Repair:					
Salaries.....	73,350.00	73,350.00			
Bureau of Ordnance:					
Salaries.....	34,610.00	34,610.00			
Bureau of Supplies and Accounts:					
Salaries.....	136,270.00	136,270.00			
Bureau of Medicine and Surgery:					
Salaries.....	24,150.00	24,150.00			
Bureau of Yards and Docks:					
Salaries.....	29,170.00	29,170.00			
Additional employees, Navy Department (act June 15, 1917).....	499,038.00	893,290.00		394,222.00	
Contingent expenses, Navy Department.....					
Stationery, furniture, etc.....					
Rent of buildings.....	350,810.00	332,000.00			
Purchase and installation of blue-printing plant.....					71,700.00
Total.....	350,810.00	332,000.00		71,700.00	90,510.00

NOTE.—The Treasury Department has been requested to include an estimate of \$260,000 for printing and binding for the Navy Department for the fiscal year ending June 30, 1919.

TABLE 5.—Comparative statement of estimates and appropriations, 1918-19, Navy Department—Continued.

RECAPITULATION.

Navy Department.	Appropriated, 1918.	Estimates, 1919.	Increase of estimates for 1919 over amount appropriated for 1918 for same purpose.	Decrease of estimates for 1919 as compared with amount appropriated for 1918 for same purpose.	New items, 1919.
Secretary's Office.....	\$85,020.00	\$82,860.00		\$2,160.00	
Office of the Solicitor.....	20,500.00	20,500.00			
Office of Naval Records and Library.....	21,100.00	21,100.00			
Office of Judge Advocate General.....	17,010.00	17,010.00			
Office of Chief of Naval Operations.....	31,350.00	31,350.00			
Bureau of Navigation.....	100,900.00	100,900.00			
Office of Naval Intelligence.....	17,100.00	17,100.00			
Hydrographic Office.....	211,690.00	256,690.00	\$45,000.00		
Naval Observatory.....	94,200.00	79,540.00	8,750.00	23,500.00	
Nautical Almanac Office.....	22,240.00	22,240.00			
Bureau of Steam Engineering.....	65,210.00	65,210.00			
Bureau of Construction and Repair.....	73,350.00	73,350.00			
Bureau of Ordnance.....	34,610.00	34,610.00			
Bureau of Supplies and Accounts.....	126,270.00	126,270.00			
Bureau of Medicine and Surgery.....	24,150.00	24,150.00			
Bureau of Yards and Docks.....	28,170.00	28,170.00			
Additional employees, Navy Department.....	496,035.00	803,260.00	304,222.00		
Contingent expenses, Navy Department.....	350,810.00	332,000.00	71,700.00	90,510.00	
Total.....	1,834,278.00	2,237,780.00	519,672.00	116,170.00	

TABLE 5.—Comparative statement of estimates and appropriations, 1918-19, Navy Department—Continued.

	Appropriated, 1918.	Estimates, 1919.	Increase of estimates for 1919 over amount appropriated for 1918 for same purpose.	Decrease of estimates for 1919 as compared with amount appropriated for 1918 for same purpose.	New items, 1919.
Naval Establishment.					
Pay, miscellaneous.....	\$2,985,500.00	\$4,350,000.00	\$1,414,500.00		
Contingent, Navy.....	46,000.00	150,000.00	104,000.00		
Temporary government for West Indian Islands ¹	100,000.00	200,000.00	100,000.00		
Expenses, Civilian Naval Consulting Board.....	100,000.00	100,000.00			
Investigation of fuel oil, etc., Navy.....	60,000.00	60,000.00			
Aviation, Navy.....	61,133,000.00	94,000,000.00	32,867,000.00		
Basic patents of aircraft.....	1,000,000.00			\$1,000,000.00	
National Advisory Committee for Aeronautics ¹	107,000.00	260,000.00	153,000.00		
State marine schools.....	50,000.00	50,000.00			
Care of lepers, etc., Island of Guam.....	20,000.00	20,000.00			
Bureau of Navigation:					
Transportation and recruiting.....	3,419,848.00	5,100,000.00	5,100,000.00	3,419,848.00	
Recruiting.....	1,419,228.84			1,419,228.84	
Recreation for enlisted men.....	150,000.00	150,000.00			
Contingent.....	20,000.00	20,000.00			
Gunnery and engineering exercises.....	225,000.00	425,000.00	200,000.00		
Outfits on first enlistment.....	10,163,920.00	9,975,000.00		188,920.00	
Maintenance of naval auxiliaries.....	1,144,390.00			1,144,390.00	
Instruments and supplies.....	6,103,440.00	3,496,800.00		2,723,640.00	
Ocean and lake surveys.....	155,000.00	155,000.00			
Arming and equipping Naval Militia.....	1,527,617.70	1,527,617.70			
Ships for Naval Militia.....	135,500.00			135,500.00	
Naval training station, California.....	192,000.00	225,000.00	33,000.00		
Naval training station, Rhode Island.....	200,000.00	350,000.00	150,000.00		
Naval training station, Great Lakes.....	196,400.00	725,000.00	528,600.00		
Naval training stations, St. Helena and Hampton Roads.....	80,000.00	310,000.00	230,000.00		

¹ Omitted from totals.

TABLE 5.—Comparative statement of estimates and appropriations, 1918-19, Navy Department—Continued.

Naval Establishment.	Appropriated, 1918.	Estimates, 1919.	Increase of estimates for 1919 over amount appropriated for 1918 for same purpose.	Decrease of estimates for 1919 as compared with amount appropriated for 1918 for same purpose.	New items, 1919.
Bureau of Navigation—Continued:					
Organizing Naval Reserve Force and administration.....	\$330,000.00	\$200,000.00	.....	\$130,000.00	.....
Schools or camps of instruction for recruits and Naval Reserve Forces.....	2,685,360.00	2,685,360.00	.....	30,000.00	.....
Naval War College, Rhode Island.....	38,850.00	38,850.00	.....	.....	.....
Total.....	28,276,554.54	25,326,627.70	\$6,241,600.00	9,191,526.84	.....
Naval Academy:					
Bureau of Ordnance:					
Ordnance and ordnance stores.....	37,840,179.00	24,194,045.00	600,000.00	13,646,134.00	.....
Purchase and manufacture of smokeless powder.....	1,800,000.00	2,400,000.00	.....	.....	.....
Naval Gun Factory, Washington, D. C.—					
New and improved machinery for existing shops.....	307,036.00	500,000.00	182,964.00	385,200.00	.....
Repairs and betterments to present facilities.....	385,200.00	.....	.....	.....	.....
Machinery and equipment for new gun shop.....	1,798,500.00	2,000,000.00	201,500.00	2,500,000.00	.....
For tools and machinery plant.....	2,500,000.00	.....	.....	.....	.....
Naval Proving Ground—					
Extension of facilities, etc.....	1,375,345.00	1,000,000.00	1,000,000.00	1,375,345.00	.....
Projectile plant.....	25,000.00	.....	.....	25,000.00	.....
Fuel lands for armor and projectile plants.....	22,333,000.00	.....	.....	22,333,000.00	.....
New batteries for ships of the Navy.....	100,000.00	.....	.....	100,000.00	.....
Liners for eroded guns.....	60,000.00	.....	.....	60,000.00	.....
One 12-inch 45-caliber gun.....	629,000.00	.....	.....	629,000.00	.....
Anti-aircraft guns and mounts complete.....	1,250,000.00	.....	.....	1,250,000.00	.....
Machine guns and equipment.....	50,059,523.50	39,309,523.50	162,000.00	11,750,000.00	.....
1-pounder boat guns and mounts complete.....	4,731,174.00	.....	.....	4,731,174.00	.....
Batteries and outfits.....	29,672,000.00	.....	.....	29,672,000.00	.....
Batteries for merchant auxiliaries.....	7,731,911.00	.....	.....	7,731,911.00	.....
Batteries for auxiliaries and merchantmen.....	19,948,800.00	.....	.....	19,948,800.00	.....
Ammunition for merchant auxiliaries.....	3,800,000.00	.....	.....	3,800,000.00	.....
Ammunition for auxiliaries and merchantmen.....	3,500,000.00	.....	.....	3,500,000.00	.....
Anti-aircraft guns and ammunition at naval stations.....	108,810,978.00	.....	.....	76,124,858.00	.....
Ammunition for ships of the Navy.....	159,590.00	.....	.....	159,590.00	.....
Ammunition for vessels.....	12,261,260.00	.....	.....	11,291,280.00	.....
Armament and ammunition for coast guard cutters.....	81,417,460.00	.....	.....	48,417,460.00	.....
Torpedoes and appliances.....	.....	.....	.....	.....	.....
Reserve ordnance supplies.....	.....	.....	.....	.....	.....
Total.....	\$1,000,000.00	\$3,000,000.00	\$1,000,000.00	\$1,000,000.00	\$1,000,000.00

Torpedo station, Newport, R. I.—									
Maintenance, etc.	100,000.00	200,000.00	100,000.00						
New and improved machinery and tools for torpedo factory.	100,000.00	200,000.00	100,000.00						
Experiments, Bureau of Ordnance	100,000.00	385,000.00	285,000.00						
Contingent, building fund	10,000.00							10,000.00	
Repairs, Bureau of Ordnance	30,000.00							30,000.00	
Contingent, Bureau of Ordnance	9,500.00	9,500.00							
Submarine base, New London, Conn.	1,250,000.00							1,250,000.00	
Total	394,337,506.50	135,894,186.50	2,479,464.00					260,932,762.00	1,000,000.00
Bureau of Yards and Docks:									
Maintenance, Bureau of Yards and Docks	6,269,000.00	7,000,000.00	731,000.00						
Contingent, Bureau of Yards and Docks	1,825,000.00	5,000,000.00	3,175,000.00						
Total	8,094,000.00	12,000,000.00	3,906,000.00						
Public works, Bureau of Yards and Docks:									
Navy yard, Portsmouth, N. H.—									
Crane track extension	11,000.00							11,000.00	
Distributing system extensions	18,000.00							18,000.00	
Power plant improvements	105,000.00								
Addition to machine shop	150,000.00	150,000.00	45,000.00						200,000.00
Addition to foundry	130,000.00	200,000.00	200,000.00						130,000.00
Washroom and toilet facilities for yard workmen	5,000.00	130,000.00	130,000.00						5,000.00
Improvements to naval prison	4,000.00	4,000.00	4,000.00						4,000.00
Total	131,000.00	489,000.00	384,000.00					29,000.00	336,000.00
Navy yard, Boston, Mass.—									
Sterilizing and disinfecting plant	9,000.00							9,000.00	
Improved drainage and filling arrangements, Dry Dock No. 2	17,500.00							17,500.00	
Locomotive and crane shed	20,000.00							20,000.00	
For improvement of the central power plant	150,000.00	75,000.00	75,000.00						75,000.00
For extension of chain shop	60,000.00							60,000.00	
Total	256,500.00	75,000.00						181,500.00	
Navy yard, New York, N. Y.—									
Dredging, to continue	125,000.00							125,000.00	
Central power plant improvements	160,000.00	200,000.00	40,000.00						
Remodeling building No. 132 for pattern storage	34,000.00							34,000.00	
Storage facilities	500,000.00							500,000.00	
Machine shop extension	400,000.00							400,000.00	
Fitting out crane		750,000.00	750,000.00						750,000.00
Water front improvements		650,000.00	650,000.00						650,000.00
Total	1,219,000.00	1,600,000.00	1,440,000.00					1,059,000.00	1,400,000.00

TABLE 5.—Comparative statement of estimates and appropriations, 1918-19, Navy Department—Continued.

	Appropriated, 1918.	Estimates, 1919.	Increase of esti- mates for 1919 over amount appropriated for 1918 for same purpose.	Decrease of esti- mates for 1919 as compared with amount ap- propriated for 1918 for same purpose.	New items, 1919.
Naval Establishment.					
Public works, Bureau of Yards and Docks—Continued.					
Navy yard, Philadelphia, Pa.—					
Dry dock, to complete.....	\$1,000,000.00	\$2,000,000.00	\$1,000,000.00		
Central power plant improvements.....	120,000.00	300,000.00	180,000.00		
50-ton locomotive crane.....	100,000.00			\$100,000.00	
Purchase of ground, quartermaster's depot, Marine Corps, Philadelphia, Pa.	200,000.00			200,000.00	
Tracks, streets, and sewers.....		100,000.00	100,000.00		\$100,000.00
Total.....	1,420,000.00	2,400,000.00	1,280,000.00	300,000.00	100,000.00
Navy yard, Washington, D. C.—					
Gun shop, to complete.....	900,000.00			900,000.00	
Extending sight shop.....	40,000.00			40,000.00	
Improving lighting facilities.....	19,000.00			19,000.00	
Improvements, central power plant and distributing systems.....	772,000.00			772,000.00	
For yard improvements.....	5,000,000.00	25,000.00	25,000.00	5,000,000.00	25,000.00
Fuse and primer loading house, Bellevue magazine.....		15,000.00	15,000.00		15,000.00
Boundary fence, Bellevue magazine.....					
Total.....	6,726,000.00	40,000.00	40,000.00	6,726,000.00	40,000.00
Navy yard, Norfolk, Va.—					
Dry dock, to complete.....	1,000,000.00	2,000,000.00	1,000,000.00		
One structural shop, to complete.....	600,000.00			600,000.00	
Water-front improvements.....	500,000.00			500,000.00	
Improvements to central power plant and distributing systems.....	300,000.00				
Water-front improvements, including the acquisition of land.....	500,000.00	500,000.00	500,000.00		500,000.00
Tracks, streets, and sewers.....	150,000.00				150,000.00
Galvanizing shop.....	100,000.00				100,000.00
Steel and lumber storage.....		400,000.00	400,000.00		400,000.00
Total.....	2,400,000.00	3,450,000.00	2,150,000.00	1,100,000.00	1,150,000.00
Buildings and grounds, Naval Academy—					
Extension of Bancroft Hall.....	1,000,000.00	1,850,000.00	850,000.00		
Improvements, central power plant and distributing systems.....	300,000.00	325,000.00	25,000.00		
2 freight elevators, Bancroft Hall.....	15,000.00			15,000.00	
General store building.....		100,000.00	100,000.00		100,000.00
Total.....	1,315,000.00	2,275,000.00	975,000.00	15,000.00	100,000.00

Marine recruiting station, Port Royal, S. C.—							
2 bungalows for officers' quarters.....	6,000.00						6,000.00
Station improvements.....	20,500.00					79,500.00	
Noncommissioned officers' quarters, including purchase of land.....	23,000.00						23,000.00
Total.....	49,500.00	100,000.00	100,000.00	79,500.00	79,500.00	29,000.00	29,000.00
Navy yard, Charleston, S. C.—							
Dredging, to continue.....							
New superstructure for Pier No. 314.....	15,000.00		25,000.00		10,000.00		
Central power plant improvements and distributing systems.....	50,000.00						50,000.00
Addition to dispensary.....	130,000.00						130,000.00
Storage facilities.....	12,000.00						12,000.00
Extending dry dock.....	50,000.00						50,000.00
Railroad system extension.....	1,150,000.00		1,150,000.00		1,150,000.00		1,150,000.00
Station improvements.....	15,000.00		200,000.00		15,000.00		16,000.00
Boat storage.....	200,000.00		10,000.00		200,000.00		200,000.00
	10,000.00				10,000.00		10,000.00
Total.....	257,000.00	1,400,000.00	1,400,000.00	1,385,000.00	1,385,000.00	242,000.00	1,375,000.00
Naval station, Key West, Fla.—							
Station improvements.....		25,000.00			25,000.00		25,000.00
Navy aeronautic station, Pensacola, Fla.—							
Improvements, central power plant.....	50,000.00						50,000.00
Water system.....	40,000.00						40,000.00
Repair and resurfacing roads.....	10,000.00						10,000.00
Quarters for enlisted men.....	20,000.00						20,000.00
2 magazines and 1 building for storage of torpedoes.....	125,000.00						125,000.00
Total.....	245,000.00						245,000.00
Naval station, New Orleans, La.—							
Extension of wharf.....	30,000.00						30,000.00
Floating crane.....	30,000.00		30,000.00				
Improvements, central power plant and distributing systems.....	280,000.00		280,000.00		280,000.00		280,000.00
Water-front improvements.....	100,000.00		100,000.00		100,000.00		100,000.00
Shell house.....	40,000.00		40,000.00		40,000.00		40,000.00
Total.....	600,000.00	450,000.00	450,000.00	420,000.00	420,000.00	30,000.00	420,000.00
Navy yard, Mare Island, Cal.—							
Floating crane, revolving type.....	450,000.00						450,000.00
Maintenance of dikes and dredging.....	50,000.00				50,000.00		
Improvements, central power plant and distributing systems.....	105,000.00		100,000.00				5,000.00
Structural shop and auxiliary improvements.....			1,000,000.00		1,000,000.00		1,000,000.00
Total.....	605,000.00	1,200,000.00	1,200,000.00	1,050,000.00	1,050,000.00	455,000.00	1,000,000.00

TABLE 5.—Comparative statement of estimates and appropriations, 1918-19, Navy Department—Continued.

Naval Establishment.	Appropriated, 1918.	Estimates, 1919.	Increase of esti- mates for 1919 over amount appropriated for 1918 for same purpose.	Decrease of esti- mates for 1919 as compared with amount ap- propriated for 1918 for same purpose.	New items, 1919.
Naval Establishment.					
Public works, Bureau of Yards and Docks—Continued.					
Navy yard, Puget Sound, Wash.—					
Purchase of land and fitting up trial course (Vashon Island).....	\$5,000.00			\$5,000.00	
Improved drainage in dry docks.....	12,000.00			12,000.00	
Storage facilities.....	500,000.00	\$200,00.00	\$50,000.00	500,000.00	
Improvements, central power plant and distributing systems.....	150,000.00				
Purchase of land.....	3,500.00			3,500.00	
Total.....	670,500.00	200,000.00	50,000.00	520,500.00	
Naval station, Pearl Harbor, Hawaii—					
Dry dock, to complete.....	936,500.00			936,500.00	
Storehouse.....	100,000.00			100,000.00	
Total.....	1,036,500.00			1,036,500.00	
Naval station, Virgin Islands—					
General improvements, including the purchase of land.....		2,000,000.00	2,000,000.00		\$2,000,000.00
Naval station, Tutuila, Samoa—					
Additional water supply.....	30,000.00			30,000.00	
Enlisted men's quarters.....	10,000.00			10,000.00	
Improvements to station.....		50,000.00	50,000.00		50,000.00
Total.....	40,000.00	50,000.00	50,000.00	40,000.00	50,000.00
Naval station, Guam—					
Roads.....	10,000.00			10,000.00	
Storage facilities.....	5,000.00			5,000.00	
Purchase of land.....	15,000.00			15,000.00	
Water supply and power plant improvements.....	30,000.00			30,000.00	
Improvements to station.....		100,000.00	100,000.00		100,000.00
Total.....	60,000.00	100,000.00	100,000.00	60,000.00	100,000.00

Naval station, Guantanamo, Cuba—								
Dredging and fill.....	9,000.00						9,000.00	
Water supply.....	25,000.00						25,000.00	
Improvements to station.....		200,000.00						200,000.00
Total.....	34,000.00	200,000.00					34,000.00	200,000.00
Naval magazine, Hingham, Mass.—								
Storehouse.....	35,000.00						35,000.00	
2 magazines.....	70,000.00						70,000.00	
Dredging.....		30,000.00						30,000.00
Total.....	105,000.00	30,000.00					105,000.00	30,000.00
Naval proving ground, Indianhead, Md.—								
Improvements to powder factory.....	150,000.00		140,000.00				10,000.00	
Pyro storage.....		20,000.00						20,000.00
Total.....	150,000.00	160,000.00					10,000.00	20,000.00
Naval magazine, Fort Mifflin, Pa.—								
1 magazine building.....	35,000.00						35,000.00	
Shell house.....	35,000.00						35,000.00	
Railroad track extension.....	11,400.00						11,400.00	
Concrete fence.....	46,800.00						46,800.00	
1 set of quarters for chief gunner or gunner.....	7,000.00						7,000.00	
1 Fire-protection system, extension.....	7,500.00						7,500.00	
Total.....	142,700.00						142,700.00	
Naval magazine, Iona Island, N. Y.—								
1 mine and projectile house.....	38,000.00						38,000.00	
Water front improvements.....	12,000.00						12,000.00	
Quarters for marine officer and medical officer.....		18,000.00						18,000.00
Total.....	50,000.00	18,000.00					50,000.00	18,000.00
Naval magazine, Lake Denmark, N. J.—								
2 shell houses.....	70,000.00						70,000.00	
1 magazine.....	30,000.00						30,000.00	
Total.....	100,000.00						100,000.00	
Naval magazine, Fort Lafayette, N. Y.—								
Dredging channel.....		26,000.00						26,000.00
Naval magazine, Mare Island, Cal.—								
1 explosive D loading house and equipment.....	8,000.00						8,000.00	
Building for mine storage.....	8,000.00						8,000.00	
Total.....	16,000.00						16,000.00	

TABLE 5.—Comparative statement of estimates and appropriations, 1918-19, Navy Department—Continued.

	Appropriated, 1918.	Estimates, 1919.	Increase of esti- mates for 1919 over amount appropriated for 1918 for same purpose.	Decrease of esti- mates for 1919 as compared with amount ap- propriated for 1918 for same purpose.	New items, 1919.
Naval Establishment.					
Public Works, Bureau of Yards and Docks—Continued.					
Naval magazine, St. Juliens Creek, Va.—					
Extension of small-arms ammunition building.....	\$8,000.00			\$8,000.00	
1 mine storage building, including track extension.....	9,000.00			9,000.00	
1 magazine.....	30,000.00			30,000.00	
2 shell houses.....	70,000.00			70,000.00	
Total.....	117,000.00			117,000.00	
Naval magazine, Charleston, S. C.—					
2 buildings for ammunition storage.....	70,000.00			70,000.00	
1 building, with necessary equipment, for storage of torpedoes.....	50,000.00			50,000.00	
Total.....	120,000.00			120,000.00	
Naval magazine, Puget Sound, Wash.—					
Shop for loading shells.....	7,000.00			7,000.00	
Extension of water system.....	30,000.00			30,000.00	
1 fuse and detonator house.....	3,600.00			3,600.00	
1 mine storage building.....	9,000.00			9,000.00	
Total.....	49,600.00			49,600.00	
Naval torpedo station, Newport, R. I.—					
Primer-filling house.....	30,000.00			30,000.00	
Extension of fire-protection system.....	8,000.00			8,000.00	
Building for mine storage, Rose Island.....	9,000.00			9,000.00	
Improvements to station.....		\$250,000.00	\$250,000.00		\$250,000.00
Total.....	47,000.00	250,000.00	250,000.00	47,000.00	250,000.00
Torpedo storage—					
For additional storage for torpedoes at ordnance stations.....		250,000.00	250,000.00		250,000.00
Naval training station, San Francisco—					
3 contiguous wards.....	25,000.00			25,000.00	
Improvements to station.....		75,000.00	75,000.00		75,000.00
Total.....	25,000.00	75,000.00	75,000.00	25,000.00	75,000.00

Naval training station, Newport, R. I.— Improvements to power plant.....	33,000.00	110,000.00	110,000.00	33,000.00	110,000.00
Improvements to station.....					110,000.00
Total.....					220,000.00
Depots for coal and other fuel.....	33,000.00	110,000.00	110,000.00	33,000.00	110,000.00
Naval training station, Great Lakes, Ill.— Dredging harbor.....	2,800,000.00	750,000.00	750,000.00	1,760,000.00	
Marine guard, American legation, Peking, China— Barracks building.....	50,000.00	35,000.00	35,000.00		35,000.00
Laundry, including machinery.....	12,000.00			50,000.00	
Power plant.....		25,000.00	25,000.00	12,000.00	25,000.00
Total.....	62,000.00	25,000.00	25,000.00	62,000.00	25,000.00
Naval torpedo station, Keyport, Wash.— Freight wharf.....	8,000.00			8,000.00	
1 set of quarters for commissioned officers.....	8,000.00			8,000.00	
Total.....	16,000.00			16,000.00	
Marine barracks, Philadelphia, Pa.— Advance-base storage.....	80,000.00			80,000.00	
Additional barracks.....	200,000.00			200,000.00	
Total.....	280,000.00			280,000.00	
Marine Corps rifle range, Winthrop, Md.— Range improvements.....	10,000.00			10,000.00	
Marine barracks, Norfolk Va.— Station improvements.....	12,700.00			12,700.00	
Housing for artillery.....	4,000.00			4,000.00	
Housing for trucks for artillery.....	2,500.00			2,500.00	
Stable.....	3,000.00			3,000.00	
Shops and storeroom.....	3,500.00			3,500.00	
Total.....	26,700.00			26,700.00	
Marine barracks, Mare Island, Cal.— Remodeling old barracks.....	35,000.00			35,000.00	
Extension of roads and walks.....	20,000.00			20,000.00	
Total.....	55,000.00			55,000.00	
Marine barracks, San Diego, Cal.— Toward the establishment of a Marine Corps base.....	600,000.00	1,500,000.00	900,000.00		

TABLE 5.—Comparative statement of estimates and appropriations, 1918-19, Navy Department—Continued.

	Appropriated, 1918.	Estimates, 1919.	Increase of esti- mates for 1919 over amount appropriated for 1918 for same purpose.	Decrease of esti- mates for 1919 as compared with amount ap- propriated for 1918 for same purpose.	New items, 1919.
Naval Establishment.					
Public Works, Bureau of Yards and Docks—Continued.					
Naval hospital, Portsmouth, N. H.—					
3 contagious wards.....	\$20,000.00			\$20,000.00	
3 contagious wards.....	20,000.00			20,000.00	
Experimental and research laboratory.....	500,000.00			500,000.00	
Reimbursement for property damaged, Indianhead, Md.....	755.01			755.01	
Lighting facilities, navy yards and stations—					
Improvements, lighting facilities, navy yards and stations.....	200,000.00			200,000.00	
Naval operating base, Hampton Roads, Va.—					
Purchase of land.....	1,200,000.00			1,200,000.00	
Toward equipment.....	1,600,000.00			1,600,000.00	
For cold storage.....	300,000.00			300,000.00	
Water front and permanent improvements to station.....	\$2,500,000.00		\$2,500,000.00		\$2,500,000.00
Total.....	3,100,000.00	2,500,000.00	2,500,000.00	3,100,000.00	2,500,000.00
Quarters for marine guards—					
For temporary quarters for marine guards at naval magazines.....	100,000.00			100,000.00	
Submarine facilities—					
For submarine facilities, navy yards and stations.....	1,500,000.00			1,500,000.00	
Power plants and distributing systems—					
For improvements, central power plants and distributing systems, navy yards and stations.....	750,000.00			750,000.00	
Ordnance storage—					
For storage of ammunition, mines, torpedoes, and other ordnance material.....	3,000,000.00			3,000,000.00	
Hospital construction—					
For temporary hospital construction.....	1,000,000.00			1,000,000.00	

For the establishment of naval medical supply depots at Brooklyn, N. Y., and Mare Island, Cal.	350,000.00				350,000.00
For temporary hospital construction and repairs and for buildings for naval medical supplies.	2,000,000.00				2,000,000.00
Total.	3,350,000.00				3,350,000.00
New London, Conn., submarine base—					
Purchase of land.	90,000.00				90,000.00
Handling appliances—					
For three 50-ton cranes for use at navy yards.	450,000.00				450,000.00
Training camps—					
For construction and equipment of training camps, including rental of land.	6,000,000.00				6,000,000.00
Marine railways—					
For marine railways at navy yards and stations.	375,000.00				375,000.00
Temporary storage—					
For temporary storage.	1,000,000.00				1,000,000.00
Naval prison.	500,000.00			500,000.00	500,000.00
Ordnance stations—					
For improvements at stations under the jurisdiction of the Bureau of Ordnance.	2,250,000.00				2,250,000.00
Repairs and preservation.	2,605,000.00	3,500,000.00	895,000.00		
Recapitulation—					
Navy yard, Portsmouth, N. H.	134,000.00	489,000.00	384,000.00	29,000.00	339,000.00
Navy yard, Boston, Mass.	256,500.00	75,000.00		181,500.00	
Navy yard, New York, N. Y.	1,219,000.00	1,600,000.00	1,440,000.00	1,099,000.00	1,400,000.00
Navy yard, Philadelphia, Pa.	1,221,000.00	2,400,000.00	1,280,000.00	300,000.00	100,000.00
Navy yard, Washington, D. C.	6,728,000.00	40,000.00	40,000.00	6,728,000.00	40,000.00
Navy yard, Norfolk, Va.	2,000,000.00	3,450,000.00	2,150,000.00	1,100,000.00	1,150,000.00
Buildings and grounds, Naval Academy.	1,315,000.00	2,275,000.00	975,000.00	15,000.00	100,000.00
Marine recruiting station, Port Royal, S. C.	49,500.00	100,000.00	79,500.00	29,000.00	
Navy yard, Charleston, S. C.	257,000.00	1,400,000.00	1,385,000.00	242,000.00	1,375,000.00
Navy station, Key West, Fla.		25,000.00	25,000.00		25,000.00
Navy aeronautic station, Pensacola, Fla.	215,000.00			245,000.00	
Naval station, New Orleans, La.	60,000.00	450,000.00	420,000.00	30,000.00	420,000.00
Navy yard, Mare Island, Cal.	605,000.00	1,200,000.00	1,050,000.00	465,000.00	1,000,000.00
Navy yard, Puget Sound, Wash.	670,500.00	200,000.00	50,000.00		
Naval station, Pearl Harbor, Hawaii.	1,036,500.00			1,036,500.00	
Naval station, Virgin Islands.		2,000,000.00	2,000,000.00		2,000,000.00
Naval station, Tutuila, Samoa.	40,000.00	50,000.00	50,000.00	40,000.00	50,000.00
Naval station, Guam.	60,000.00	100,000.00	100,000.00	60,000.00	100,000.00
Naval station, Guantanamo, Cuba.	34,000.00	200,000.00	200,000.00	34,000.00	200,000.00
Naval magazine, Hingham, Mass.	105,000.00	30,000.00	30,000.00	105,000.00	30,000.00
Naval proving ground, Indianhead, Md.	150,000.00	160,000.00	20,000.00	10,000.00	30,000.00

TABLE 5.—Comparative statement of estimates and appropriations, 1918-19, Navy Department—Continued.

Naval Establishment.	Appropriated, 1918.	Estimates, 1919.	Increase of estimates for 1919 over amount appropriated for 1918 for same purpose.	Decrease of estimates for 1919 as compared with amount appropriated for 1918 for same purpose.	New items, 1919.
Public Works, Bureau of Yards and Docks—Continued.					
Recapitulation—Continued.					
Naval magazine, Fort Mifflin, Pa.	\$142,700.00	\$18,000.00	\$18,000.00	\$142,700.00	
Naval magazine, Iona Island, N. Y.	50,000.00			50,000.00	
Naval magazine, Lake Denmark, N. Y.	100,000.00			100,000.00	\$18,000.00
Naval magazine, Fort Lafayette, N. Y.		26,000.00	26,000.00		26,000.00
Naval magazine, Mare Island, Cal.	16,000.00			16,000.00	
Naval magazine, Mare Island, Cal.	117,000.00			117,000.00	
Naval magazine, St. Juliens Creek, Va.	120,000.00			120,000.00	
Naval magazine, St. Juliens Creek, Va.	49,600.00			49,600.00	
Naval magazine, Charleston, S. C.		280,000.00	280,000.00		
Naval magazine, Puget Sound, Wash.	47,000.00			47,000.00	
Naval torpedo station, Newport, R. I.		25,000.00	25,000.00		
Torpedo storage		33,000.00	33,000.00		
Naval training station, San Francisco	25,000.00			25,000.00	
Naval training station, Newport, R. I.	83,000.00			83,000.00	
Depots for coal and other fuel	110,000.00		110,000.00		
Naval training station, Great Lakes, Ill.	75,000.00		75,000.00		
Marine guard, American Legation, Peking, China	750,000.00		750,000.00		
Naval torpedo station, Keyport, Wash.	35,000.00		35,000.00		
Marine barracks, Philadelphia, Pa.	62,000.00		62,000.00		
Marine barracks, Philadelphia, Pa.	16,000.00		16,000.00		
Marine Corps rifle range, Winthrop, Md.	280,000.00		280,000.00		
Marine barracks, Norfolk, Va.	10,000.00		10,000.00		
Marine barracks, Norfolk, Va.	25,700.00		25,700.00		
Marine barracks, Mare Island, Cal.	55,000.00		55,000.00		
Marine barracks, San Diego, Cal.	600,000.00		600,000.00		
Marine barracks, San Diego, Cal.	20,000.00		20,000.00		
Naval hospital, Portsmouth, N. H.	20,000.00		20,000.00		
Naval hospital, Great Lakes, Ill.	20,000.00		20,000.00		
Experimental and research laboratory	500,000.00		500,000.00		
Reimbursement for property damaged at Indianhead, Md.	755.01		755.01		
Lighting facilities, navy yards and stations	200,000.00		200,000.00		
Naval operating base, Hampton Roads, Va.	3,100,000.00		3,100,000.00		
Quarters for marine guards	1,000,000.00	2,500,000.00	2,500,000.00		2,500,000.00
Submarine facilities	100,000.00		100,000.00		
Power plants and distributing systems	1,500,000.00		1,500,000.00		
Ordnance storage	750,000.00		750,000.00		
Hospital construction	3,000,000.00		3,000,000.00		
New London, Conn., submarine base	8,350,000.00		8,350,000.00		
Handling appliances	90,000.00		90,000.00		
Training camps	450,000.00		450,000.00		
Marine railways	6,000,000.00		6,000,000.00		
Marine railways	375,000.00		375,000.00		

Temporary storage.....	1,000,000.00				1,000,000.00
Naval prison.....	2,250,000.00	500,000.00			500,000.00
Ordnance stations.....	2,600,000.00	3,500,000.00			2,250,000.00
Repairs and preservation, navy yards and stations.....					
Total.....	46,344,755.01	25,783,000.00	17,262,800.00	37,824,253.01	12,138,000.00
Bureau of Medicine and Surgery:					
Medical department.....	4,121,740.00	5,000,000.00	878,280.00		
Confingent, Bureau of Medicine and Surgery.....	1,231,080.00	1,500,000.00	206,920.00		
Transportation of remains.....	3,000,000.00	4,000,000.00	17,342.00		
Care of hospital patients.....	3,000,000.00	4,000,000.00	1,000,000.00		
Total.....	8,745,478.00	10,850,000.00	2,104,522.00		
Pay of the Navy.....					
.....	126,832,448.57	213,229,557.00	86,697,108.43		
Bureau of Supplies and Accounts:					
Provisions, Navy.....	41,885,805.85	64,485,353.00	22,699,417.15		
Clothing and small stores fund.....	11,071,000.00	12,000,000.00	1,250,000.00	11,071,000.00	
Maintenance, Supplies and Accounts.....	10,750,000.00	4,000,000.00	1,400,000.00		
Freight, Supplies and Accounts.....	2,600,000.00	48,400,000.00	22,537,880.00		
Fuel and transportation.....	25,862,420.00				
Reserve material, Navy.....	5,000,000.00	85,000.00		5,000,000.00	
Naval Academy dairy (reimbursable).....					55,000.00
Total.....	97,169,335.85	128,940,353.00	47,841,967.15	16,071,000.00	55,000.00
Bureau of Construction and Repair:					
Construction and repair of vessels.....	70,177,340.00	60,000,000.00		10,177,340.00	
Improvement of construction plants—					
Navy yard, Portsmouth, N. H.....	10,000.00	10,000.00			
Navy yard, Boston, Mass.....	25,000.00	25,000.00			
Navy yard, New York, N. Y.....	35,000.00	35,000.00			
Navy yard, Philadelphia, Pa.....	25,000.00	25,000.00			
Navy yard, Norfolk, Va.....	35,000.00	35,000.00			
Navy yard, Charleston, S. C.....	10,000.00	10,000.00			
Navy yard, Mare Island, Cal.....	35,000.00	35,000.00			
Navy yard, Fugot Sound, Wash.....	25,000.00	25,000.00			
Total.....	70,377,340.00	60,200,000.00		10,177,340.00	
Bureau of Steam Engineering:					
Engineering.....	57,230,500.00	50,000,000.00		7,230,500.00	
High-power radio stations.....	600,000.00			600,000.00	
Engineering experiment station, United States Naval Academy, Annapolis, Md.—					
Experimental and research work.....	85,000.00	85,000.00			
Equipment of building.....	20,000.00	20,000.00			
Machinery plants.....	190,000.00			190,000.00	
Total.....	58,125,500.00	50,105,000.00		8,020,500.00	

TABLE 5.—Comparative statement of estimates and appropriations, 1918-19, Navy Department—Continued.

	Appropriated, 1918.	Estimates, 1919.	Increase of esti- mates for 1919 over amount appropriated for 1918 for same purpose.	Decrease of esti- mates for 1919 as compared with amount ap- propriated for 1918 for same purpose.	New items, 1919.
Naval Academy:					
Civil establishment.....	\$408,888.20	\$487,778.00	\$89,889.80		
Current and miscellaneous expenses.....	32,000.00	70,150.00	38,150.00		
Maintenance and repairs.....	549,056.00	453,856.00	(85,200.00)	895,120.00	
Addition to Isherwood Hall.....	300,000.00			300,000.00	
Total.....	1,307,944.20	1,011,864.00	(296,080.20)	395,120.00	
United States Marine Corps:					
Pay of the Marine Corps—					
Pay, officers, active and reserve list.....	3,462,600.00	3,975,437.00	512,837.00		
Pay, officers, retired list.....	198,307.50	218,807.56	20,500.06		
Pay, noncommissioned officers, musicians, privates, active and reserve list.....	9,260,398.00	17,266,879.00	8,006,481.00		
Pay, enlisted men, retired list.....	175,988.00	168,477.00	(7,511.00)	7,509.00	
Undrawn clothing.....	150,000.00	128,558.80	(21,441.20)		
Mileage.....	100,000.00	150,000.00	50,000.00		
Commutation of quarters.....	150,000.00	200,000.00	50,000.00		
Pay, civil force—					
Office of the Major General Commandant.....	4,771.28	7,771.28	3,000.00		
Paymaster's department.....	4,703.00	3,750.00	(953.00)	950.00	
Adjutant and inspector's department.....	7,900.00	9,750.00	1,850.00		
Quartermaster's department.....	16,940.00	24,040.00	7,100.00		
Total.....	13,531,602.78	22,153,370.64	8,621,767.86	30,100.20	
Maintenance, quartermaster's department, Marine Corps—					
Provisions.....	5,121,671.00	6,545,000.00	1,423,329.00		
Clothing.....	8,073,450.00	14,117,600.00	6,039,150.00		
Fuel.....	662,400.00	662,400.00			
Military stores.....	8,225,038.00	10,468,700.00	2,243,662.00		
Camps of instruction.....	31,000.00	1,100,881.00	1,069,881.00	31,000.00	
Transportation and recruiting.....	2,231,000.00	981,929.00	(1,249,071.00)	1,130,719.00	
Repairs of barracks.....	1,824,000.00	128,400.00	(1,695,600.00)	842,071.00	
Forage.....	128,400.00	128,400.00			
Commutation of quarters.....	354,552.00	354,552.00			
Contingent.....	2,801,965.00	4,999,980.00	2,198,015.00		
Depot of supplies, Philadelphia.....	200,000.00			200,000.00	
Total.....	26,738,546.00	38,959,542.00	12,221,000.00	2,203,790.00	
Expenses, Marine Corps Reserve.....					
	25,000.00			25,000.00	

Increase of the Navy (on account of vessels heretofore authorized):			
Construction and machinery.....	59,349,000.00	28,091,000.00	31,258,000.00
Torpedo boats (submarines).....	16,816,110.00	32,397,000.00	15,580,860.00
Torpedo-boat destroyers.....	.....	125,000,000.00	125,000,000.00
Armor and armament.....	20,000,000.00	20,000,000.00	.....
Ammunition.....	3,480,143.00	7,000,000.00	3,509,857.00
Improving and equipping navy yards for the construction of ships.....	12,000,000.00	4,000,000.00	8,000,000.00
Naval emergency fund.....	215,000,000.00	.....	215,000,000.00
Total.....	326,655,253.00	216,488,000.00	254,258,000.00
Increase of the Navy (first year of new building program):			
Construction and machinery.....	33,774,000.00	.....	33,774,000.00
Torpedo boats (submarines).....	24,115,170.00	.....	24,115,170.00
Torpedo-boat destroyers.....	225,000,000.00	.....	225,000,000.00
Armor and armament.....	24,180,000.00	.....	24,180,000.00
Ammunition.....	11,037,900.00	.....	11,037,900.00
Total.....	318,107,070.00	.....	318,107,070.00

RECAPITULATION.

Pay, miscellaneous: Act Mar. 4, 1917.....	\$1,134,000.00	.....	.....	.....
Act June 15, 1917.....	1,801,500.00	.....	.....	.....
Contingent, Navy.....	.....	.....	.....	.....
Temporary government for West Indian Islands ¹.....	.....	.....	.....	.....
Expenses, Civilian Naval Consulting Board: Act Mar. 4, 1917.....	\$25,000.00	.....	.....	.....
Act Oct. 6, 1917.....	75,000.00	.....	.....	.....
Investigation of fuel oil, etc., Navy.....	.....	100,000.00	.....	.....
Aviation, Navy: Act Mar. 4, 1917.....	\$5,133,000.00	.....	.....	.....
Act June 15, 1917.....	11,000,000.00	.....	.....	.....
Act Oct. 6, 1917.....	45,000,000.00	.....	.....	.....
Basic patents of aircraft.....	.....	.....	.....	.....
National Advisory Committee for Aeronautics ¹.....	.....	.....	.....	.....
State marine schools.....	.....	.....	.....	.....
Care of logs, etc., Island of Guam.....	.....	.....	.....	.....
Bureau Navigation: Act Mar. 4, 1917.....	\$7,910,430.00	.....	.....	.....
Act June 15, 1917.....	19,518,124.00	.....	.....	.....
Act Oct. 6, 1917.....	850,000.00	.....	.....	.....
Total.....	28,276,554.54	25,326,627.70	6,241,600.00	9,191,528.84

¹ Omitted from total.

Marine Corps—								
Paymaster—								
Act Mar. 4, 1917.....	7,132,802.78							
Act June 15, 1917.....	6,388,800.00							
Quartermaster—								
Act Mar. 4, 1917.....	6,200,385.00							
Act June 15, 1917.....	20,408,161.00							
Act Oct. 6, 1917.....	3,150,000.00							
Expenses, Marine Corps Reserve.....								
	13,531,602.78	22,153,370.64	8,651,863.06	30,100.20				
	29,759,548.00	38,958,542.00	11,403,786.00	2,203,760.00				
	25,000.00			25,000.00				
	947,070,536.45	823,172,502.84	221,073,380.44	345,971,414.05				
Total, exclusive of increase of the Navy.....								
Increase of the Navy (on account of vessels heretofore authorized):								
Construction and machinery.....	59,319,000.00	28,091,000.00						
Torpedo boats (submarines).....	10,816,110.00	22,327,000.00	15,480,800.00	31,258,000.00				
Torpedo-boat destroyers (act Oct. 6, 1917).....		125,800,000.00	125,000,000.00					
Armor and armament.....	20,000,000.00	20,000,000.00						
Ammunition.....	3,450,143.00	7,000,000.00	3,509,857.00					
Total.....	99,655,253.00	212,488,000.00	144,090,747.00	31,258,000.00				
Total, exclusive of new program.....	1,047,625,786.45	1,035,660,402.84	965,164,127.44	377,129,414.05				
Increase of the Navy (new program):								
Construction and machinery.....	33,774,000.00			33,774,000.00				
Torpedo boats (submarines).....	24,115,170.00			24,115,170.00				
Torpedo-boat destroyers (act Oct. 6, 1917).....	225,000,000.00			225,000,000.00				
Armor and armament.....	24,180,000.00			24,180,000.00				
Ammunition.....	11,037,000.00			11,037,000.00				
Total.....	318,107,070.00			318,107,070.00				
Total, old and new program.....	417,782,326.00	212,488,000.00	144,090,747.00	349,386,070.00				
Naval emergency fund:								
Act Mar. 4, 1917.....	\$115,000,000.00							
Act Oct. 6, 1917.....	100,000,000.00							
Improving and equipping navy yards for construction of ships.....	215,000,000.00	4,000,000.00		215,000,000.00				
	12,000,000.00			8,000,000.00				
Grand total.....	1,592,732,859.45	1,039,660,502.84	365,164,127.44	918,236,484.05				

Total appropriated:
 Act Mar. 4, 1917..... \$516,491,902.08
 Act June 15, 1917..... 514,805,033.57
 Act Oct. 6, 1917..... 561,436,023.80
Grand total..... 1,592,732,859.45

TABLE 5.—Comparative statement of estimates and appropriations, 1918-19, Navy Department—Continued.
SUMMARY.

Naval and civil establishments.	Appropriated, 1918.	Estimates, 1919.	Net increase of estimates for 1919 over amount appropriated for 1918 for same purpose.	Net decrease of estimates for 1919 as compared with amount appropriated for 1918 for same purpose.	New items, 1919.
Civil establishment.....	\$1,834,278.00	\$2,227,780.00	\$403,502.00	.....	.....
Navy Establishment (exclusive of new building program).....	1,274,625,789.45	1,039,660,502.84	3,600,000.00	224,965,286.61	.....
Permanent annual and indefinite appropriations.....	2,215,745.00	5,815,745.00	.....	.....	.....
Total, exclusive of new building program.....	1,278,675,812.45	1,047,714,027.84	4,008,802.00	224,965,286.61	.....
New building program (cost of first year's work).....	318,107,070.00	.....	.....	318,107,070.00	.....
Grand total.....	1,596,782,882.45	1,047,714,027.84	4,008,802.00	553,072,356.61	.....
Net decrease.....	.....	.....	.....	4,008,802.00	.....
.....	.....	.....	.....	549,068,854.61	.....

Table 6.—COMPARATIVE STATEMENT OF ESTIMATES AND APPROPRIATIONS, 1919-20, NAVY DEPARTMENT.

Navy Department.		Appropriated, 1919.	Estimates, 1920.	Increase of esti- mates for 1920 over amount appropriated for 1919 for same purpose.	Decrease of esti- mates for 1920 as compared with amount appro- priated for 1919 for same purpose.	New items, 1920.
Office of the Secretary:						
	Salaries.....	\$582,860.00	\$582,860.00			
Additional employees, Navy Department:						
	Salaries.....	1,210,686.73	1,607,740.00	\$390,974.40	\$84.00	
	Office of the Secretary.....			6,700.00		
	Office of the Solicitor.....			16,415.01		
	Office of the Judge Advocate General.....			8,357.66		
	Office of Naval Intelligence.....			7,950.02		
	Hydrographic Office.....			73,370.53		
	Naval Observatory.....			12,780.99		
	Bureau of Steam Engineering.....			6,703.44		
	Bureau of Construction and Repair.....			30,000.00		14,291.30
	Bureau of Medicine and Surgery.....			239,066.52		
	Bureau of Yards and Docks.....					
	Bureau of Navigation.....					
	Bureau of Supplies and Accounts.....					
	Total.....	1,210,686.73	1,607,740.00	411,348.57	14,295.30	
Office of the Solicitor:						
	Salaries.....	20,590.00	20,590.00			
Office of Naval Records and Library:						
	Salaries.....	21,000.00	21,000.00			
Office of the Judge Advocate General:						
	Salaries.....	17,010.00	17,010.00			
Office of Chief of Naval Operations:						
	Salaries.....	31,350.00	31,350.00			
Bureau of Navigation:						
	Salaries.....	100,990.00	100,990.00			
Office of Naval Intelligence:						
	Salaries.....	17,100.00	17,100.00			

TABLE 6.—Comparative statement of estimates and appropriations, 1919–20, Navy Department—Continued.

	Appropriated, 1919.	Estimates, 1920.	Increase of esti- mates for 1920 over amount appropriated for 1919 for same purpose.	Decrease of esti- mates for 1920 as compared with amount appro- priated for 1919 for same purpose.	New items, 1920.
Navy Department.					
Hydrographic Office:					
Salaries.....	\$124,020.00	\$124,020.00			
Contingent and miscellaneous expenses— For purchase of copper plates, etc.....	90,000.00	100,000.00	\$10,000.00		
Contingent expenses for branch offices, etc.....	12,500.00	15,000.00	2,500.00		
For services of necessary employees of branch offices.....	17,960.00	25,000.00	7,040.00		
Total.....	244,480.00	264,020.00	19,540.00		
Naval Observatory:					
Salaries.....	47,040.00	47,040.00			
Contingent and miscellaneous expenses— Miscellaneous computations.....	5,000.00	5,000.00			
Books, etc.....	1,000.00	1,000.00			
Apparatus, etc.....	3,000.00	3,000.00			
Repairs, etc.....	4,000.00	4,000.00			
Fuel, etc.....	10,000.00	12,000.00	2,000.00		
Grounds and roads, etc.....	6,000.00	7,500.00	1,500.00		
Total.....	76,040.00	79,540.00	3,500.00		
Nautical Almanac Office:					
Salaries.....	19,240.00	19,240.00			
Pay of computer on piecework, etc.....	3,000.00	3,000.00			
Total.....	22,240.00	22,240.00			
Bureau of Steam Engineering:					
Salaries.....	65,210.00	65,210.00			
Bureau of Construction and Repair:					
Salaries.....	73,350.00	73,350.00			
Bureau of Ordnance:					
Salaries.....	34,610.00	34,610.00			
Bureau of Supplies and Accounts:					
Salaries.....	136,270.00	136,270.00			

Bureau of Medicine and Surgery: Salaries.....	24,150.00	24,150.00	
Bureau of Yards and Docks: Salaries.....	26,170.00	26,170.00	
Contingent expenses, Navy Department: Books for the library.....	2,000.00	6,000.00	2,000.00
Stationery, furniture, etc.....	570,000.00	850,000.00	280,000.00
Rent of buildings.....	30,000.00	30,000.00	
Total.....	602,000.00	885,000.00	283,000.00

Note.—The Treasury Department has been requested to include an estimate of \$350,000 for printing and binding for the Navy Department for the fiscal year ending June 30, 1924.

RECAPITULATION.

Secretary's Office.....	\$32,860.00	\$32,860.00	
Additional employees, Navy Department.....	1,077,740.00	1,077,740.00	\$397,063.27
Office of the Solicitor.....	20,560.00	20,560.00	
Office of Naval Records and Library.....	21,000.00	21,000.00	
Office of Judge Advocate General.....	17,010.00	17,010.00	
Office of Chief of Naval Operations.....	81,360.00	81,360.00	
Bureau of Navigation.....	100,960.00	100,960.00	
Office of Naval Intelligence.....	17,100.00	17,100.00	
Hydrographic Office.....	244,460.00	264,020.00	19,540.00
Naval Observatory.....	76,960.00	79,540.00	3,600.00
Nautical Almanac Office.....	22,240.00	22,240.00	
Bureau of Steam Engineering.....	65,210.00	65,210.00	
Bureau of Construction and Repair.....	73,350.00	73,350.00	
Bureau of Ordnance.....	84,610.00	84,610.00	
Bureau of Supplies and Accounts.....	136,270.00	136,270.00	
Bureau of Medicine and Surgery.....	24,150.00	24,150.00	
Bureau of Yards and Docks.....	26,170.00	26,170.00	
Contingent expenses, Navy Department.....	602,000.00	695,000.00	283,000.00
Total.....	2,809,106.73	3,512,200.00	706,093.27

TABLE 6.—Comparative statement of estimates and appropriations, 1919-20, Navy Department—Continued.

	Appropriated, 1919.	Estimates, 1920.	Increase of esti- mates for 1920 over amount appropriated for 1919 for same purpose.	Decrease of esti- mates for 1920 as compared with amount appro- priated for 1919 for same purpose.	New items, 1920.
Naval Establishment.					
Pay, miscellaneous.....	\$4,350,000.00	\$10,000,000.00	\$5,650,000.00		
Contingent, Navy.....	150,000.00	150,000.00			
Temporary government, West Indian (Virgin) Islands.....	200,000.00	200,000.00			
Expenses, Civilian Naval Consulting Board.....	100,000.00	100,000.00			
Investigation of fuel oil, etc., Navy.....	60,000.00			\$60,000.00	
Aviation, Navy.....	220,383,118.00	225,000,000.00	4,616,881.00		
State Marine Schools.....	75,000.00	75,000.00			
Care of lepers, etc., Island of Guam.....	20,000.00	20,000.00			
Bureau of Navigation:					
Transportation.....	12,000,000.00	12,000,000.00			
Recreation for enlisted men.....	550,000.00	650,000.00	100,000.00		
Contingent.....	20,000.00	20,000.00			
Gunnery and engineering exercises.....	625,000.00	680,000.00	55,000.00		
Outfits on first enlistment.....	24,975,000.00	15,731,700.00	9,243,300.00		
Instruments and supplies.....	3,469,800.00	5,000,000.00	1,530,200.00		
Ocean and lake surveys.....	135,000.00	135,000.00			
Naval training station, California.....	225,000.00	410,894.87	185,894.87		
Naval training station, Rhode Island.....	350,000.00	700,000.00	350,000.00		
Naval training station, Great Lakes.....	725,000.00	1,292,000.00	567,000.00		
Naval training stations, Saint Helena and Hampton Roads.....	310,000.00	491,350.00	181,350.00		
Organizing the Naval Reserve Force.....	200,000.00	200,000.00			
Schools or camps of instruction, Naval Reserve Force.....	2,655,360.00	2,655,360.00			
Naval War College, Rhode Island.....	38,850.00	38,850.00			
Receiving ships at home and abroad.....		1,000,000.00	1,000,000.00		\$1,000,000.00
Total.....	46,299,010.00	41,025,154.87	3,969,444.87	9,243,300.00	1,000,000.00
Bureau of Ordnance:					
Ordnance and ordnance stores.....	41,707,580.00	75,000,000.00	33,292,420.00		
Purchase and manufacture of smokeless powder.....	2,400,000.00	2,500,000.00	100,000.00		
Naval Gun Factory, Washington, D. C.—					
New and improved machinery for existing shops.....		2,500,000.00	2,500,000.00		2,500,000.00
New batteries for ships of the Navy.....	111,543,574.50	115,000,000.00	3,456,425.50		
Ammunition for vessels.....	63,519,530.00	125,000,000.00	61,480,470.00		

Torpedoes and appliances.....	10,000,000.00	10,000,000.00	10,000,000.00			
Reserve ordnance supplies.....	61,000,000.00	77,609,442.00	77,609,442.00		13,609,442.00	
Torpedo station, Newport, R. I.—						
Maintenance, etc.....	200,000.00	300,000.00	300,000.00		100,000.00	
New machinery and tools.....	200,000.00	450,000.00	450,000.00		250,000.00	
Experiments, Bureau of Ordnance.....	365,000.00	360,000.00	360,000.00			25,000.00
Contingent, Bureau of Ordnance.....	50,000.00	50,000.00	50,000.00			
Navy mine depot.....	3,000,000.00				3,000,000.00	
Navy nitrate plant.....	9,150,000.00				9,150,000.00	
Total.....	325,155,884.50	408,769,442.00	408,769,442.00		95,788,757.50	2,500,000.00
Bureau of Yards and Docks:						
Maintenance, Bureau of Yards and Docks.....	10,500,000.00	12,500,000.00	12,500,000.00		2,000,000.00	
Contingent, Bureau of Yards and Docks.....	250,000.00	250,000.00	250,000.00			
Emergency expenses, Bureau of Yards and Docks.....	4,750,000.00	5,000,000.00	5,000,000.00		250,000.00	
Total.....	15,500,000.00	17,750,000.00	17,750,000.00		2,250,000.00	
Public works, Bureau of Yards and Docks:						
Navy yard, Portsmouth, N. H.—						
Addition to machine shop.....	200,000.00					200,000.00
Addition to foundry.....	130,000.00					130,000.00
Power plant improvements.....	150,000.00					150,000.00
Storehouse for combustible material.....	188,000.00	188,000.00	188,000.00			188,000.00
Water system extension.....	30,000.00	30,000.00	30,000.00			30,000.00
Lumber yard and storage.....	50,000.00	50,000.00	50,000.00			50,000.00
Central garage and roundhouse.....	100,000.00	100,000.00	100,000.00			100,000.00
Extension to joiner shop, Building No. 14.....	40,000.00	40,000.00	40,000.00			40,000.00
Extension to joiner shop, Building No. 14.....	50,000.00	50,000.00	50,000.00			50,000.00
Total.....	480,000.00	458,000.00	458,000.00		458,000.00	458,000.00
Navy yard, Boston, Mass.—						
Improvement of central power plant.....	425,000.00					425,000.00
Waste-iron improvements.....	570,000.00					570,000.00
Machine shop and laundry.....	900,000.00					900,000.00
Galvanizing plant.....	50,000.00	50,000.00	50,000.00			50,000.00
Two 25-ton floating derricks.....	40,000.00	40,000.00	40,000.00			40,000.00
Shore facilities for Commonwealth Dry Dock, South Boston.....	4,550,000.00	500,000.00	500,000.00			4,050,000.00
Total.....	6,445,000.00	590,000.00	590,000.00		90,000.00	5,945,000.00
Submarine base, New London, Conn.—						
For the further development of the submarine base.....	750,000.00					750,000.00
Locomotive and crane house.....	18,000.00	18,000.00	18,000.00			18,000.00
Acid and oil storehouse.....	45,000.00	45,000.00	45,000.00			45,000.00
Lumber storehouse.....	7,000.00	7,000.00	7,000.00			7,000.00
Purchase of land near railroad station.....	28,000.00	28,000.00	28,000.00			28,000.00
Railroad connection to ammunition depot.....	25,000.00	25,000.00	25,000.00			25,000.00
Extension to paving.....	7,000.00	7,000.00	7,000.00			7,000.00
Roads to ammunition depot.....	18,000.00	18,000.00	18,000.00			18,000.00
Total.....	750,000.00	148,000.00	148,000.00		750,000.00	148,000.00

TABLE 6.—Comparative statement of estimates and appropriations, 1919-20, Navy Department—Continued.

	Appropriated, 1919.	Estimates, 1920.	Increase of esti- mates for 1920 over amount appropriated for 1919 for same purpose.	Decrease of esti- mates for 1920 as compared with amount appro- priated for 1919 for same purpose.	New Items, 1920.
Naval Establishment.					
Public works, Bureau of Yards and Docks—Continued.					
Navy yard, New York, N. Y.—					
Water-front improvements.....	\$750,000.00			\$750,000.00	
Central power plant improvements.....	500,000.00			500,000.00	
Purchase of land northwest of yard and for development thereof.....		\$2,500,000.00	\$2,500,000.00		\$2,500,000.00
Steel storage.....		250,000.00	250,000.00		250,000.00
Auxiliary lifting-out cranes.....		50,000.00	50,000.00		50,000.00
Fuel oil storage and distributing system.....		50,000.00	50,000.00		50,000.00
Total.....	1,250,000.00	2,850,000.00	2,850,000.00	1,250,000.00	2,850,000.00
Navy yard, Philadelphia, Pa.—					
Dry dock, to complete.....	2,000,000.00	1,500,000.00		500,000.00	
Central power plant improvements.....	300,000.00			300,000.00	
Tracks, streets, and sewers.....	100,000.00			100,000.00	
General power plant improvements and distributing systems.....		500,000.00	500,000.00		500,000.00
Light machine shop.....		1,000,000.00	1,000,000.00		1,000,000.00
Pattern shop and storage.....		400,000.00	400,000.00		400,000.00
Paving railroad tracks, sewers, water pipes, and general yard development.....		200,000.00	200,000.00		200,000.00
Boat storage.....		50,000.00	50,000.00		50,000.00
Lunch room and welfare facilities.....		100,000.00	100,000.00		100,000.00
Mattress factory.....		400,000.00	400,000.00		400,000.00
Pipe and copper shop.....		400,000.00	400,000.00		400,000.00
Steel and lumber storage.....		400,000.00	400,000.00		400,000.00
Total.....	2,400,000.00	5,150,000.00	3,650,000.00	900,000.00	3,650,000.00
Depot of supplies, Philadelphia, Pa.—					
For the erection of a lumber shed and necessary railroad sidings on land now owned by the Government and occupied as a portion of the depot of supplies.....	35,000.00			35,000.00	
Buildings and grounds, Naval Academy—					
Extension of Bancroft Hall, to complete.....	1,850,000.00			1,850,000.00	
Improvements central power plant and distributing systems.....	325,000.00			325,000.00	
General store building.....	100,000.00			100,000.00	
Building for seamanship and navigation, and other instruction purposes.....	1,000,000.00			1,000,000.00	
Garage.....	80,000.00			80,000.00	
Total.....	3,305,000.00			3,305,000.00	

Navy yard, Washington, D. C.—									
Fuse and primer loading house, Bellevue magazine	25,000.00								25,000.00
Boundary fence, Bellevue magazine	20,600.00								20,600.00
Crannets for buildings	375,000.00								375,000.00
Central power plant and distributing systems, extensions	85,000.00								85,000.00
Seven orchards, storehouses, Bellevue magazine	440,000.00								440,000.00
Purchase of land east of Naval Gun Factory, removal of buildings, etc	488,000.00								488,000.00
For yard improvements	2,500,000.00								2,500,000.00
Total	1,433,600.00								1,433,600.00
Marine barracks, Quantico, Va.—									
Purchase of land for permanent Marine Corps post	475,000.00								475,000.00
Navy yard, Norfolk, Va.—									
Dry dock to complete	2,856,508.69								2,856,508.69
Water-front improvements	500,000.00								500,000.00
Improvements central power plant and distributing system	300,000.00								300,000.00
Trucks, streets, and sewers	150,000.00								150,000.00
Galvanizing shop	100,000.00								100,000.00
Toward steel and lumber storage (limit of cost \$850,000)	400,000.00								400,000.00
Auxiliary fitting-out cranes	100,000.00								100,000.00
Garage, Schmoede tract	25,000.00								25,000.00
Grading, Schmoede tract	75,000.00								75,000.00
Machine and electric shop building	400,000.00								400,000.00
Structural shop extension	1,000,000.00								1,000,000.00
Locomotive house and service station	50,000.00								50,000.00
Pattern shop and storage	40,000.00								40,000.00
Dispensary	25,000.00								25,000.00
Paint and oil storehouse	75,000.00								75,000.00
Lunch room	100,000.00								100,000.00
Total	4,306,508.69								4,306,508.69
Marine recruiting station, Port Royal, S. C.—									
For 12 additional barracks buildings, four lavatories, and six mess halls	60,000.00								60,000.00
Dredging and reclaiming marshland	35,000.00								35,000.00
Sea wall	25,000.00								25,000.00
Shoring dry dock with concrete	7,000.00								7,000.00
Street paving	7,000.00								7,000.00
Cement sidewalks	1,000.00								1,000.00
Trees and shrubbery	10,000.00								10,000.00
Medical officers' quarters	150,000.00								150,000.00
Filling in low marshland	10,000.00								10,000.00
Total	320,000.00								320,000.00

TABLE 6.—Comparative statement of estimates and appropriations, 1919–20, Navy Department—Continued.

	Appropriated, 1919.	Estimates, 1920.	Increase of esti- mates for 1920 over amount appropriated for 1919 for same purpose.	Decrease of esti- mates for 1920 as compared with amount appro- priated for 1919 for same purpose.	New items, 1920.
Naval Establishment.					
Public works, Bureau of Yards and Docks—Continued.					
Navy yard, Charleston, S. C.	1,150,000.00			1,150,000.00	
For the construction of a large dry dock (limit of cost \$4,000,000).....	2,000.00		5,000.00		
Dredging, to continue.....	1,000.00	30,000.00			
Railroad system extension.....	20,000.00	20,000.00	10,000.00		
Toward water-front improvements.....	20,000.00	200,000.00			
Boat storage.....	10,000.00			10,000.00	
Central power plant improvements.....	250,000.00		250,000.00		
Central power plant improvements and distributing systems.....	100,000.00		100,000.00		
Refrigerating plant.....	25,000.00		25,000.00		
Garage.....	25,000.00		25,000.00		
Oxyacetylene plant.....	25,000.00		25,000.00		
Fire protection.....	50,000.00		50,000.00		
Total.....	1,650,000.00	705,000.00	465,000.00	1,410,000.00	450,000.00
Naval station, Key West, Fla.—					
Station improvements.....	25,000.00				
For the development of a submarine base.....	1,000,000.00			500,000.00	
Water system, including purchase of land and the necessary rights of way.....		2,000,000.00	2,000,000.00		2,000,000.00
Total.....	1,025,000.00	2,525,000.00	2,000,000.00	500,000.00	2,000,000.00
Naval aeronautic station, Pensacola, Fla.—					
Improvements central power plant and distributing systems.....	100,000.00			100,000.00	
Naval station, New Orleans, La.—					
Floating crane.....	30,000.00			30,000.00	
Improvements central power plant and distributing systems.....	280,000.00			280,000.00	
Water-front improvements.....	100,000.00			50,000.00	
Shell house.....	40,000.00	50,000.00			
Extension of electric power and lighting circuits.....	20,000.00	20,000.00	20,000.00		20,000.00
Extension of hot-water heating, compressed air, steam, and fuel-oil mains.....	15,500.00	15,500.00	15,500.00		15,500.00
Latrine.....	5,500.00	5,500.00	5,500.00		5,500.00
Water-main extensions.....	7,500.00	7,500.00	7,500.00		7,500.00
Sewer extensions.....	2,500.00	2,500.00	2,500.00		2,500.00
Paving and sidewalks.....	20,000.00	20,000.00	20,000.00		20,000.00
Mine-storage building.....	32,000.00	32,000.00	32,000.00		32,000.00
Fire station and equipment.....	18,000.00	18,000.00	18,000.00		18,000.00
Total.....	450,000.00	187,000.00	121,000.00	394,000.00	121,000.00

Navy yard, Mare Island, Cal.—	100,000.00	100,000.00					
Maintenance of dikes and dredging.....	250,000.00				250,000.00		
Improvements central power plant and distributing system.....	2,850,000.00	1,500,000.00			1,000,000.00		
Structural shop and auxiliary improvements.....							
Total.....	2,850,000.00	1,600,000.00			1,250,000.00		
Navy yard, Puget Sound, Wash.—							
Improvements central power plant and distributing systems.....	325,000.00				325,000.00		
Purchase of additional land adjoining the navy yard.....	300,000.00				300,000.00		
For grading, filling, and sea-wall construction (limit of cost, \$750,000).....	400,000.00				30,000.00		
Fire protection.....	350,000.00	150,000.00					150,000.00
Locomotive houses and garage.....	150,000.00						150,000.00
Railroad extensions.....	25,000.00						25,000.00
20-ton floating cranes.....	50,000.00						50,000.00
50-ton dry-dock cranes.....	50,000.00						50,000.00
Total.....	1,025,000.00	775,000.00			425,000.00		425,000.00
Naval station, Tutuila, Samoa—							
Construction of quarters.....	9,000.00					9,000.00	
Additional water-supply system, including not to exceed \$500 for the purchase of land.....	15,000.00					15,000.00	
Storehouse.....	15,000.00					15,000.00	
Sea wall.....	5,000.00					5,000.00	
Miscellaneous.....	6,000.00					6,000.00	
Lumber storage.....		5,000.00					5,000.00
Additional quarters for hospital apprentices.....		2,000.00					2,000.00
Total.....	50,000.00	7,000.00			7,000.00		7,000.00
Naval station, Guam—							
Repair and extension of roads.....	30,000.00					30,000.00	
Boathouse.....	40,000.00					40,000.00	
Miscellaneous and extensions.....	20,000.00					20,000.00	
Roads.....	10,000.00					10,000.00	
Purchase of land.....		30,000.00					30,000.00
Quarters for hospital.....		10,000.00					10,000.00
Extension of shop buildings.....		16,000.00					16,000.00
Dredge and scows.....		5,000.00					5,000.00
Power plant and distributing system improvements.....		80,000.00					80,000.00
Lumber shed.....		75,000.00					75,000.00
		5,000.00					5,000.00
Total.....	100,000.00	221,000.00			100,000.00		221,000.00

TABLE 6. — Comparative statement of estimates and appropriations, 1919-20, Navy Department—Continued.

Naval Establishment.	Appropriated, 1919.	Estimates, 1920.	Increase of esti- mates for 1920 over amount appropriated for 1919 for same purpose.	Decrease of esti- mates for 1920 as compared with amount appro- priated for 1919 for same purpose.	New items, 1920.
Public Works, Bureau of Yards and Docks—Continued.					
Naval station, Pearl Harbor, Hawaii—					
Auxiliary water supply.....	\$41,275.00	\$68,000.00	\$68,000.00	\$41,275.00	\$68,000.00
Electric connections to dry dock.....		21,000.00	21,000.00		21,000.00
Substation near dry dock.....		35,000.00	35,000.00		35,000.00
Salt-water fire protection.....		11,500.00	11,500.00		11,500.00
Fresh-water connections to dry dock.....		8,000.00	8,000.00		8,000.00
Air connections to dry dock.....		25,000.00	25,000.00		25,000.00
Toilet facilities for ships in dock.....					
Total.....	41,275.00	168,500.00	168,500.00	41,275.00	168,500.00
Naval station Guantanamo, Cuba—					
Concrete pier.....	140,000.00			140,000.00	
Telephone and transmission system.....	25,000.00			25,000.00	
Road construction.....	15,000.00			15,000.00	
Storage facilities.....	20,000.00			20,000.00	
Total.....	200,000.00			200,000.00	
Naval operating base, Hampton Roads, Va.—					
Toward water-front improvements and permanent improvements to station, including pier, bulkheads, filling, grading, etc.....	4,174,558.68	3,000,000.00		1,174,558.68	
Depots for coal.....	1,072,500.00	808,000.00		264,500.00	
Hospital construction.....	15,498,000.00	5,000,000.00		10,498,000.00	
Temporary storage.....	4,200,000.00	1,000,000.00		3,200,000.00	
Training camps—					
For construction and equipment of training camps, including the rental of land.....	28,560,807.61	10,000,000.00		18,560,807.61	
Naval hospital, Puget Sound, Wash.—					
Quarters for nurses (female).....		40,000.00	40,000.00		40,000.00
Torpedo storage—					
For additional storage for torpedoes at ordnance stations.....	250,000.00			250,000.00	

Naval training station, Great Lakes, Ill., buildings—									
Dredging harbor.....	35,000.00								35,000.00
Purchase of land.....	887,500.00								887,500.00
Enlarging training basin and shore protection.....	1,000,000.00	1,000,000.00							1,000,000.00
Power plant improvements and extensions.....	200,000.00	200,000.00							200,000.00
Total.....	922,500.00	1,200,000.00	1,200,000.00						922,500.00
Naval training station, San Francisco, Cal., buildings—									
Water supply.....	120,000.00								120,000.00
Roads and streets.....	10,000.00								10,000.00
Fire protection.....					55,000.00				55,000.00
Water piping.....					20,000.00				20,000.00
Repairs to wharves.....					20,000.00				20,000.00
Ferry slip.....					20,000.00				20,000.00
Roads.....					15,000.00				15,000.00
Total.....	130,000.00	130,000.00	130,000.00						130,000.00
Naval training station, Rhode Island, buildings—									
Sea wall improvements.....	225,000.00								225,000.00
Remodeling boathouse.....	20,000.00								20,000.00
Officers' quarters.....	16,000.00								16,000.00
Fire apparatus house and garage.....	30,000.00								30,000.00
Purchase of land.....	100,000.00								100,000.00
Total.....	390,000.00								390,000.00
Marine barracks, San Diego, Cal.—									
Toward the establishment of a Marine Corps base.....	1,500,000.00								1,500,000.00
Purchase of land.....					15,000.00				15,000.00
Total.....	1,500,000.00				15,000.00				1,500,000.00
Naval fuel depot, San Diego, Cal.—									
Marine railway.....	1,500,000.00								1,500,000.00
Total.....	1,500,000.00				15,000.00				1,500,000.00
Ordnance stations—improvements.....	175,000.00								175,000.00
Increasing facilities for proof and test of ordnance material Navy.....	1,727,000.00								1,727,000.00
Naval magazine, New England coast—									
Dredging.....	30,000.00								30,000.00
Naval proving ground, Indianhead, Md.—									
Improvements to powder factory.....	140,000.00								140,000.00
Pyro storage.....	20,000.00								20,000.00
Railroad connection.....	850,000.00								850,000.00
Total.....	1,010,000.00								1,010,000.00

TABLE 6.—Comparative statement of estimates and appropriations, 1919-20, Navy Department—Continued.

	Appropriated, 1919.	Estimates, 1920.	Increase of esti- mates for 1920 over amount appropriated for 1919 for same purpose.	Decrease of esti- mates for 1920 as compared with amount appro- priated for 1919 for same purpose.	New items, 1920.
Naval Establishment.					
Public Works, Bureau of Yards and Docks—Continued.					
Naval ammunition depot, Iona Island, N. Y.— Power plant.....		\$150,000.00	\$150,000.00		\$150,000.00
For station development.....		300,000.00	300,000.00		300,000.00
Naval ammunition depot, Hingham, Mass.— For station development.....		100,000.00	100,000.00		100,000.00
Naval ammunition depot, Mare Island, Cal.— For station development.....		100,000.00	100,000.00		100,000.00
Naval ammunition depot, Puget Sound, Wash.— For station development.....				\$18,000.00	
Naval magazine, New York Harbor, N. Y.— Quarters for marine officer and medical officer.....	\$18,000.00				
Naval magazine, Fort Lafayette, N. Y.— Dredging channel.....	26,000.00			26,000.00	
Naval magazine, Lake Denmark, N. J.— Acquisition of additional land.....	18,000.00	100,000.00	100,000.00	18,000.00	100,000.00
For station development.....	18,000.00	100,000.00	100,000.00	18,000.00	100,000.00
Total.....	360,000.00	300,000.00	300,000.00	360,000.00	300,000.00
Naval magazine, Fort Mifflin, Pa.— Acquisition of additional land.....	360,000.00	300,000.00	300,000.00	360,000.00	300,000.00
For station development.....	360,000.00	300,000.00	300,000.00	360,000.00	300,000.00
Total.....	360,000.00	300,000.00	300,000.00	360,000.00	300,000.00
Naval torpedo station, Newport, R. I.— Boathouse and diving school.....	100,000.00			100,000.00	
Emergency torpedo repair shop.....	100,000.00			100,000.00	
Extension of industrial roads.....	20,000.00			20,000.00	
Extension of sea wall.....	5,000.00			5,000.00	
Rebuilding carpenter shop.....	25,000.00			25,000.00	
Improvements, central power plant systems, including quay wall and fill at power house.....	800,000.00			800,000.00	
Acquisition of additional land.....	100,000.00			100,000.00	
For station development.....	1,000,000.00	1,000,000.00	1,000,000.00		1,000,000.00
Total.....	1,150,000.00	1,000,000.00	1,000,000.00	1,150,000.00	1,000,000.00

Naval torpedo station, Puget Sound, Wash.— For station development.....				50,000.00			50,000.00
Naval ammunition depot, Charleston, S. C.— Railroad track and equipment.....		5,000.00		5,000.00			5,000.00
House and primer house.....		3,000.00		3,000.00			3,000.00
Service building.....		30,000.00		30,000.00			30,000.00
Total.....				38,000.00			38,000.00
Marine barracks, Peking, China— Power plant.....		25,000.00				25,000.00	
Barracks building, to complete.....		85,000.00				85,000.00	
Total.....		110,000.00				110,000.00	
Repairs and preservation— For repairs and preservation at navy yards, fuel depots, fuel plants, and sta- tion.....		4,000,000.00		4,000,000.00			
Recaptulation— Navy yard, Portsmouth, N. H.....		480,000.00		488,000.00		480,000.00	488,000.00
Navy yard, Boston, Mass.....		6,445,000.00		590,000.00		5,945,000.00	90,000.00
Submarine base, New London, Conn.....		1,750,000.00		148,000.00		1,750,000.00	148,000.00
Navy yard, New York, N. Y.....		1,250,000.00		2,850,000.00		1,250,000.00	2,850,000.00
Navy yard, Philadelphia, Pa.....		2,400,000.00		5,150,000.00		2,400,000.00	3,650,000.00
Depot of supplies, Philadelphia, Pa.....		35,000.00				35,000.00	
Buildings and grounds, Naval Academy, Md.....		3,305,000.00				3,305,000.00	
Navy yard, Washington, D. C.....		1,433,600.00		2,500,000.00		1,433,600.00	2,500,000.00
Marine barracks, Quantico, Va.....		475,000.00				475,000.00	
Navy Yard, Norfolk, Va.....		4,306,508.69		3,300,000.00		3,406,508.69	2,250,000.00
Marine recruiting station, Port Royal, S. C.....		320,000.00		10,000.00		320,000.00	10,000.00
Navy yard, Charleston, S. C.....		1,650,000.00		705,000.00		1,410,000.00	450,000.00
Naval station, Key West, Fla.....		1,025,000.00		2,525,000.00		1,025,000.00	2,000,000.00
Naval aeronautic station, Pensacola, Fla.....		100,000.00				100,000.00	
Naval station, New Orleans, La.....		2,850,000.00		187,000.00		2,850,000.00	121,000.00
Navy yard, Mare Island, Cal.....		1,025,000.00		1,600,000.00		1,250,000.00	384,000.00
Navy yard, Puget Sound, Wash.....		1,025,000.00		775,000.00		1,250,000.00	121,000.00
Naval station, Tutuila, Samoa.....		100,000.00				100,000.00	
Naval station, Guam.....		200,000.00		188,500.00		200,000.00	188,500.00
Naval station, Pearl Harbor, Hawaii.....		41,275.00				41,275.00	
Naval station, Guantanamo, Cuba.....		4,174,556.68		3,000,000.00		1,174,556.68	805,000.00
Naval operating base, Hampton Roads, Va.....		1,072,500.00		805,000.00		287,500.00	805,000.00
Depots for coal.....		15,495,000.00		5,000,000.00		10,495,000.00	
Hospital construction.....		4,200,000.00		1,000,000.00		3,200,000.00	
Temporary storage.....		28,560,807.61		10,000,000.00		18,560,807.61	
Training camps.....				40,000.00			40,000.00
Naval hospital, Puget Sound, Wash.....							
Torpedo storage.....		250,000.00				250,000.00	

TABLE 6.—Comparative statement of estimates and appropriations, 1919-20, Navy Department—Continued.

	Appropriated, 1919.	Estimates, 1920.	Increase of esti- mates for 1920 over amount appropriated for 1919 for same purpose.	Decrease of esti- mates for 1920 as compared with amount appro- priated for 1919 for same purpose.	New items, 1920.
Naval Establishment.					
Public Works, Bureau of Yards and Docks—Continued.					
Naval ammunition depot, Iona Island, N. Y.— Power plant.....		\$150,000.00	\$150,000.00		\$150,000.00
Naval ammunition depot, Hingham, Mass.— For station development.....		300,000.00	300,000.00		300,000.00
Naval ammunition depot, Mare Island, Cal.— For station development.....		100,000.00	100,000.00		100,000.00
Naval ammunition depot, Puget Sound, Wash.— For station development.....		100,000.00	100,000.00		100,000.00
Naval magazine, New York Harbor, N. Y.— Quarters for marine officer and medical officer.....	\$18,000.00			\$18,000.00	
Naval magazine, Fort Lafayette, N. Y.— Dredging channel.....	26,000.00			26,000.00	
Naval magazine, Lake Denmark, N. J.— Acquisition of additional land..... For station development.....	18,000.00	100,000.00	100,000.00	18,000.00	100,000.00
Total.....	360,000.00	300,000.00	300,000.00	360,000.00	300,000.00
Naval torpedo station, Newport, R. I.—					
Boathouse and diving school.....	100,000.00			100,000.00	
Emergency torpedo repair shop.....	100,000.00			100,000.00	
Extension of industrial roads.....	20,000.00			20,000.00	
Extension of sea wall.....	5,000.00			5,000.00	
Rebuilding carpenter shop.....	25,000.00			25,000.00	
Improvements, central power plant systems, including quay wall and fill at power house.....	900,000.00			900,000.00	
Acquisition of additional land.....	100,000.00			100,000.00	
For station development.....	1,000,000.00	1,000,000.00	1,000,000.00		1,000,000.00
Total.....	1,150,000.00	1,000,000.00	1,000,000.00	1,150,000.00	1,000,000.00

Naval torpedo station, Puget Sound, Wash.— For station development.....		50,000.00	50,000.00			50,000.00
Naval ammunition depot, Charleston, S. C.— Railroad track and equipment..... Fuse and primer house..... Service building.....		5,000.00 3,000.00 30,000.00	5,000.00 3,000.00 30,000.00			5,000.00 3,000.00 30,000.00
Total.....		38,000.00	38,000.00			38,000.00
Marine barracks, Peking, China— Power plant..... Barracks building, to complete.....		25,000.00 85,000.00				25,000.00 85,000.00
Total.....		110,000.00				110,000.00
Repairs and preservation— For repairs and preservation at navy yards, fuel depots, fuel plants, and sta- tion.....		4,000,000.00	4,000,000.00			
Recapitulation—						
Navy yard, Portsmouth, N. H.....	480,000.00	458,000.00	458,000.00	480,000.00		458,000.00
Navy yard, Boston, Mass.....	6,445,000.00	590,000.00	590,000.00	5,945,000.00		5,945,000.00
Submarine base, New London, Conn.....	1,750,000.00	148,000.00	148,000.00	1,750,000.00		1,750,000.00
Navy yard, New York, N. Y.....	2,400,000.00	2,850,000.00	2,850,000.00	1,250,000.00		2,850,000.00
Navy yard, Philadelphia, Pa.....	35,000.00	5,150,000.00	3,650,000.00	900,000.00		3,650,000.00
Depot of supplies, Philadelphia, Pa.....	3,305,000.00			35,000.00		3,305,000.00
Buildings and grounds, Naval Academy, Md.....	1,433,600.00			1,433,600.00		1,433,600.00
Navy yard, Washington, D. C.....	4,306,508.69			4,306,508.69		4,306,508.69
Marine barracks, Quantico, Va.....	3,320,000.00			3,320,000.00		3,320,000.00
Marine recruiting station, Fort Royal, S. C.....	1,650,000.00			1,410,000.00		1,410,000.00
Navy yard, Charleston, S. C.....	1,025,000.00			500,000.00		500,000.00
Naval station, Key West, Fla.....	100,000.00			100,000.00		100,000.00
Naval aeronautic station, Pensacola, Fla.....	450,000.00			187,000.00		187,000.00
Naval station, New Orleans, La.....	2,850,000.00			1,600,000.00		1,600,000.00
Navy yard, Mare Island, Cal.....	1,025,000.00			1,250,000.00		1,250,000.00
Navy yard, Puget Sound, Wash.....	50,000.00			425,000.00		425,000.00
Naval station, Tutuila, Samoa.....	100,000.00			7,000.00		7,000.00
Naval station, Guam.....	200,000.00			221,000.00		221,000.00
Naval station, Pearl Harbor, Hawaii.....	41,275.00			168,500.00		168,500.00
Naval station, Guantanamo, Cuba.....	4,174,556.68			3,000,000.00		3,000,000.00
Naval operating base, Hampton Roads, Va.....	15,495,000.00			805,000.00		805,000.00
Depots for coal.....	4,200,000.00			1,000,000.00		1,000,000.00
Hospital construction.....	28,560,807.61			18,560,807.61		18,560,807.61
Training camps.....	250,000.00			40,000.00		40,000.00
Naval hospital, Puget Sound, Wash.....						
Torpedo storage.....						
	250,000.00			250,000.00		250,000.00

TABLE 6.—Comparative statement of estimates and appropriations, 1919–20, Navy Department—Continued.

	Appropriated, 1919.	Estimates, 1920.	Increase of esti- mates for 1920 over amount appropriated for 1919 for same purpose.	Decrease of esti- mates for 1920 as compared with amount appro- priated for 1919 for same purpose.	New items, 1920.
Naval Establishment.					
Public works, Bureau of Yards and Docks—Continued.					
Recapitulation—Continued.					
Naval training station, Great Lakes, Ill., buildings.....	\$922,500.00	\$1,200,000.00	\$1,200,000.00	\$922,500.00	\$1,200,000.00
Naval training station, San Francisco, Cal., buildings.....	130,000.00	130,000.00	130,000.00	130,000.00	130,000.00
Naval training station, Rhode Island, buildings.....	360,000.00			360,000.00	
Marine Barracks, San Diego, Cal.....	1,600,000.00	15,000.00	15,000.00	1,600,000.00	15,000.00
Naval fuel depot, San Diego, Cal.....	175,000.00			175,000.00	
Ordnance stations—Improvements.....	1,727,000.00			1,727,000.00	
Increasing facilities for proof and test of ordnance material, Navy.....	1,000,000.00			1,000,000.00	
Naval magazine, New England coast.....	30,000.00			30,000.00	
Naval Proving Ground, Indianhead, Md.....	1,010,000.00			1,010,000.00	
Naval ammunition depot, Iona Island, N. Y.....		150,000.00	150,000.00		150,000.00
Naval ammunition depot, Hingham, Mass.....		300,000.00	300,000.00		300,000.00
Naval ammunition depot, Mare Island, Cal.....		100,000.00	100,000.00		100,000.00
Naval ammunition depot, Puget Sound, Wash.....		100,000.00	100,000.00		100,000.00
Naval magazine, New York Harbor.....				15,000.00	
Naval magazine, Fort Ledyard, N. Y.....				25,000.00	
Naval magazine, Lake Denmark, N. J.....				15,000.00	
Naval magazine, Fort Mifflin, Pa.....		100,000.00	100,000.00		100,000.00
Naval torpedo station, Newport, R. I.....	360,000.00	300,000.00	300,000.00	360,000.00	300,000.00
Naval torpedo station, Puget Sound, Wash.....	1,150,000.00	1,000,000.00	1,000,000.00	1,150,000.00	1,000,000.00
Naval ammunition depot, Charleston, S. C.....		50,000.00	50,000.00		50,000.00
Marine barracks, Feking, China.....	110,000.00	35,000.00	35,000.00	110,000.00	35,000.00
Repairs and preservation.....	4,000,000.00	4,000,000.00	4,000,000.00		
Total.....	95,010,747.98	49,522,500.00	19,036,500.00	65,524,747.98	17,426,500.00
Improving and equipping navy yards for construction of ships.....					
Bureau of Medicine and Surgery:					
Medical department.....	5,000,000.00	7,500,000.00	2,500,000.00		
Contingent, Bureau of Medicine and Surgery.....	1,600,000.00	2,000,000.00	600,000.00		
Bringing home remains of officers, etc., Navy Department.....	250,000.00	700,000.00	350,000.00		
Care of hospital patients.....	4,000,000.00	5,000,000.00	1,000,000.00		
United States Naval Hospital, Fort Lyons, Colo.....	19,600.00			19,600.00	
Total.....	10,869,600.00	15,200,000.00	4,350,000.00	19,600.00	19,600.00

APPROPRIATIONS (UNITED STATES).

Pay of the Navy.....	227,372,946.00	579,946,071.00	322,573,126.00	
Bureau of Supplies and Accounts:				
Provisions, Navy.....	75,520,216.00	202,343,965.90	126,823,749.90	
Clothing and small stores fund.....	27,000,000.00	37,080,000.00	10,080,000.00	
Maintenance, Bureau of Supplies and Accounts.....	17,826,625.00	34,000,000.00	16,183,375.00	
Freight, Bureau of Supplies and Accounts.....	4,000,000.00	10,000,000.00	6,000,000.00	
Fuel and transportation.....	49,400,000.00	98,000,000.00	48,600,000.00	
Total.....	173,766,841.00	381,423,965.90	207,687,124.90	
Bureau of Construction and Repair:				
Construction and repair of vessels.....	60,000,000.00	75,000,000.00	15,000,000.00	
Improvement of construction plants.....	200,000.00	200,000.00		
Total.....	60,200,000.00	75,200,000.00	15,000,000.00	
Bureau of Steam Engineering:				
Engineering.....	50,000,000.00	70,000,000.00	20,000,000.00	
Engineering experiment station, United States Naval Academy, Annapolis, Md.....	160,000.00	160,000.00		
Total.....	50,160,000.00	70,160,000.00	20,000,000.00	
Naval Academy:				
Civil establishment.....	643,113.20	752,610.00	109,496.80	
Current and miscellaneous expenses.....	98,800.00	91,350.00		7,450.00
Maintenance and repairs.....	560,936.00	649,000.00	88,064.00	
Total.....	1,302,849.20	1,492,960.00	197,560.80	7,450.00
United States Marine Corps:				
Pay, Marine Corps.....				
Pay, officers, active and reserve list.....	9,801,624.50	13,327,165.00	3,425,540.50	
Pay, officers, retired list.....	218,907.56	277,756.00	58,848.44	
Pay, noncommissioned officers, musicians, privates, active and reserve list.....	38,677,705.00	48,247,278.00	4,369,573.00	
Pay, enlisted men, retired list.....	169,477.00	167,862.00		3,615.00
Undrawn clothing.....	128,358.80	107,000.00	21,358.80	
Mileage.....	377,500.00	500,000.00	122,500.00	
Communication of quarters.....	427,500.00	600,000.00	172,500.00	
Pay, civil force.....	7,771.28	7,771.28		
Office of the Major General Commandant.....	3,750.00	3,750.00		
Paymaster's department.....	3,750.00	3,750.00		
Adjutant and Inspector's department.....	3,750.00	3,750.00		
Quartermaster's department.....	24,460.00	24,460.00		
Total.....	50,135,874.14	58,273,772.28	8,169,871.94	31,973.80

TABLE 6.—Comparative statement of estimates and appropriations, 1919-20, Navy Department—Continued.

Naval establishment.	Appropriated, 1919.	Estimates, 1920.	Increase of estimates of 1920 over amount appropriated for 1919 for same purpose.	Decrease of estimates for 1920 as compared with amount appropriated for 1919 for same purpose.	New items, 1920.
United States Marine Corps—Continued.					
Maintenance, quartermaster's department, Marine Corps—					
Provisions.....	\$15,053,500.00	\$17,411,000.00	\$2,357,500.00		
Clothing.....	32,470,480.00	36,302,400.00	3,831,920.00		
Fuel.....	1,523,715.00	1,500,000.00		\$23,715.00	
Military stores.....	25,277,750.00	23,688,000.00		1,589,750.00	
Transportation and recruiting.....	2,531,856.00	2,800,000.00	268,144.00		
Repairs of barracks.....	4,258,204.00	2,438,000.00		1,768,204.00	
Forage.....	294,930.00	1,900,000.00	1,410,070.00		
Communication of quarters.....	1,215,467.00	1,900,000.00	684,533.00		
Contingent.....	10,577,780.00	10,577,780.00			
Total.....	83,203,682.00	97,013,180.00	7,183,167.00	3,373,660.00	
Reserve supplies, Marine Corps.....	16,677,200.00			16,677,200.00	
Increase of the Navy (on account of vessels heretofore authorized):					
Construction and machinery.....	125,000,000.00	137,085,000.00	137,085,000.00	135,000,000.00	
Torpedo-boat destroyers (act Oct. 6, 1917).....	32,397,000.00	21,900,000.00		10,497,000.00	
Torpedo boats (submarines).....	27,000,000.00	49,000,000.00	20,000,000.00		
Armor and armament.....	7,000,000.00	35,000,000.00	28,000,000.00		
Ammunition.....					
Total.....	184,397,000.00	233,985,000.00	185,085,000.00	135,497,000.00	
Increase of the Navy (new construction):					
New 3-year program (first year's cost).....		200,000,000.00	200,000,000.00		\$200,000,000.00
Naval emergency fund.....	100,000,000.00	175,000,000.00	75,000,000.00		

RECAPITULATION.

	Appropriated, 1917.	Appropriated, 1918.	Appropriated, 1919.	Estimates, 1920.	Increase of esti- mates for 1920 over amount ap- propriated for 1919 for same purpose.	Decrease of estimates for 1920 as com- pared with amount appro- priated for 1919 for same purpose.	New items, 1920.
Naval Establishment.							
Pay, miscellaneous.....	\$915,000.00	\$4,185,500.00	\$4,350,000.00	\$10,000,000.00	\$5,650,000.00		
Contingent, Navy.....	46,000.00	96,000.00	150,000.00	150,000.00			
Temporary government, West Indian (Virgin) Islands.....		100,000.00	200,000.00	200,000.00			
Expenses, Civilian Naval Consulting Board.....	25,000.00	100,000.00	100,000.00	100,000.00			
Investigation of fuel, oil, etc., Navy.....	60,000.00	60,000.00	60,000.00				
Aviation, Navy.....	3,500,000.00	61,133,000.00	220,383,119.00	225,000,000.00	4,616,881.00	\$60,000.00	
Advisory Committee for Aeronautics.....	1,270,737.73	107,000.00					
Arming and equipping Naval Militia.....	280,000.00						
Ships for Naval Militia.....	250,000.00						
State marine schools.....	14,000.00	50,000.00	75,000.00	75,000.00			
Care of lepers, etc., Island of Guam.....		20,000.00	20,000.00	20,000.00			
Basic patents of aircraft.....		1,000,000.00					
Bureau of Navigation.....	5,288,862.84	32,376,554.54	46,299,010.00	41,025,154.87	5,273,855.13		
Bureau of Ordnance.....	41,856,720.00	414,377,243.50	325,155,684.50	408,769,442.00	83,613,757.50		
Bureau of Yards and Docks.....	1,824,000.00	16,378,000.00	15,500,000.00	17,750,000.00	2,250,000.00		
Public works, Bureau of Yards and Docks.....	8,330,875.00	84,378,913.16	95,010,747.98	48,622,500.00	46,488,247.98		
Bureau of Medicine and Surgery.....	1,187,728.00	13,045,478.00	10,899,600.00	15,200,000.00	4,300,400.00		
Commission on Additional Navy Yards and Stations.....	10,000.00						
Improving and equipping navy yards for construction of ships.....	6,000,000.00	12,570,000.00	10,000,000.00	5,000,000.00	5,000,000.00		
Pay of the Navy.....	50,226,912.15	126,632,448.57	227,372,946.00	579,946,071.00	352,573,126.00		
Camps of instruction, Naval Reserve Force.....	30,000.00						
Organizing the Naval Reserve Force.....	130,000.00						
Bureau of Supplies and Accounts.....	18,299,540.25	99,224,355.85	173,755,841.00	381,423,965.90	207,667,124.90		
Bureau of Construction and Repair.....	10,271,066.16	70,377,840.00	60,200,000.00	75,200,000.00	15,000,000.00		
Bureau of Steam Engineering.....	10,161,376.28	58,133,500.00	50,160,000.00	70,160,000.00	20,000,000.00		
Naval Academy.....	703,946.92	1,307,949.20	1,302,849.20	1,492,960.00	190,110.80		
Marine Corps.....							
Paymaster.....	5,673,866.30	19,531,602.78	50,135,874.14	59,373,772.28	8,137,898.14		
Quartermaster.....	6,369,513.71	33,688,546.00	93,203,682.00	97,013,180.00	3,809,498.00		
Expenses, Marine Corps Reserve.....	25,000.00						
Reserve supplies, Marine Corps.....			16,677,200.00		16,677,200.00		
Total.....	173,332,784.54	1,051,798,431.60	1,400,962,553.82	2,035,322,046.05	707,838,795.34	73,489,303.11	

TABLE 6.—Comparative statement of estimates and appropriations, 1919-20, Navy Department—Continued.

RECAPITULATION—Continued.

Naval Establishment.	Appropriated, 1917.	Appropriated, 1918.	Appropriated, 1919.	Estimates, 1920.	Increase of estimates for 1920 as compared with amount appropriated for 1919 for same purpose.	Decrease of estimates for 1920 as compared with amount appropriated for 1919 for same purpose.	New Items, 1920.
Increase of the Navy (on account of vessels heretofore authorized):							
Construction and machinery.....	\$14,086,534.00	\$59,349,000.00	\$126,000,000.00	\$137,085,000.00	\$137,085,000.00	\$126,000,000.00	.....
Torpedo boat destroyers (act Oct. 6, 1917).....	5,282,583.00	16,816,110.00	32,397,000.00	21,900,000.00	.....	10,497,000.00	.....
Torpedo boats (submarines).....	9,000,000.00	20,000,000.00	20,000,000.00	40,000,000.00	20,000,000.00	.....	.....
Armor and armament.....	.....	3,490,143.00	7,000,000.00	36,000,000.00	28,000,000.00	.....	.....
Ammunition.....	.....	.....	.....	.....	.....	.....	.....
Total.....	28,369,127.00	99,655,253.00	184,397,000.00	233,985,000.00	186,085,000.00	136,497,000.00	.....
Increase of the Navy (new construction):							
New 3-year program (first year's cost):							
Construction and machinery.....	44,912,660.00	33,774,000.00	.....	200,000,000.00	200,000,000.00	.....	.....
Torpedo-boat destroyers (act Oct. 6, 1917).....	8,467,000.00	226,000,000.00	.....	.....	.....	.....	.....
Torpedo boats (submarines).....	38,110,000.00	24,116,170.00	.....	.....	.....	.....	.....
Armor and armament.....	19,486,500.00	24,180,000.00	.....	.....	.....	.....	.....
Ammunition.....	.....	11,037,900.00	.....	.....	.....	.....	.....
Total.....	110,976,160.00	318,107,070.00	.....	200,000,000.00	200,000,000.00	.....	.....
Total, old and new programs.....	139,345,287.00	417,762,323.00	184,397,000.00	433,985,000.00	386,085,000.00	136,497,000.00	.....
Naval emergency fund.....	.....	215,000,000.00	100,000,000.00	175,000,000.00	75,000,000.00	.....	.....
Grand total.....	312,678,071.54	1,664,560,784.00	1,685,379,552.82	2,644,307,046.05	1,167,923,786.34	208,994,303.11	.....
Net increase.....	.....	.....	.....	958,927,492.23	.....	.....	.....

SUMMARY.

Naval and civil establishments.	Appropriated, 1919.	Estimates, 1920.	Net increase of estimates for 1920 over amount appropriated for 1919 for same purpose.	Net decrease of estimates for 1920 as compared with amount appropriated for 1919 for same purpose.	New items, 1920.
Civil establishment.....	82,800,106.73	83,512,200.00	703,093.27		
Naval Establishment (exclusive of new building program).....	1,688,379,568.82	2,444,307,046.06	755,927,477.23		20,926,500.00
Permanent annual and indefinite appropriations.....	9,615,745.00	9,007,860.00	3,392,135.00		
Total, exclusive of new building program.....	1,688,804,406.55	2,486,827,126.06	798,022,720.50		20,926,500.00
New building program (cost of first year's work).....		200,000,000.00	200,000,000.00		200,000,000.00
Grand total.....	1,688,804,406.55	2,686,827,126.06	998,022,720.50		220,926,500.00

Table 7.—REDUCTIONS PROPOSED IN 1920 ESTIMATES BY SECRETARY OF THE NAVY IN HEARINGS BEFORE HOUSE COMMITTEE ON NAVAL AFFAIRS, DEC. 30, 1918.

Appropriation.	Estimate.	Amount now proposed by Secretary.	Decrease.	Amount subsequently proposed by bureau.
1. Pay miscellaneous	\$10,000,000.00	\$4,500,000.00	\$5,500,000.00	\$4,985,000.00
2. Contingent, Navy.....	150,000.00	100,000.00	50,000.00	150,000.00
3. Temporary government for West Indian Islands.....	200,000.00	276,751.00	¹ 76,751.00	200,000.00
4. Expenses, Civilian Naval Consulting Board.....	100,000.00	50,000.00	50,000.00	100,000.00
5. Aviation, Navy.....	225,000,000.00	36,000,000.00	189,000,000.00	85,649,300.00
6. Transportation and recruiting, Navigation.....	12,000,000.00	10,000,000.00	2,000,000.00	12,000,000.00
7. Recreation for enlisted men.....	650,000.00	250,000.00	400,000.00	650,000.00
8. Gunnery and engineering exercises.....	680,000.00	500,000.00	180,000.00	680,000.00
9. Outfits on first enlistment.....	15,731,700.00	12,050,000.00	3,681,700.00	12,050,000.00
10. Instruments and supplies.....	5,000,000.00	1,000,000.00	4,000,000.00	4,665,097.00
11. Ocean and lake surveys.....	155,000.00	105,000.00	50,000.00	155,000.00
12. Naval training station, California.....	410,894.87	250,000.00	160,894.87	410,894.87
13. Naval training station, Rhode Island.....	700,000.00	350,000.00	350,000.00	700,000.00
14. Naval training station, Great Lakes.....	1,292,000.00	1,000,000.00	292,000.00	1,292,000.00
15. Organizing the Naval Reserve Force.....	200,000.00	.....	200,000.00	200,000.00
16. Schools or camps of instruction Naval Reserve Force.....	2,665,360.00	.....	2,655,360.00	2,655,360.00
17. Naval War College, Rhode Island.....	38,850.00	58,850.00	¹ 20,000.00	38,850.00
18. Receiving ships at home and abroad.....	1,000,000.00	.....	1,000,000.00	1,000,000.00
19. Ordnance and ordnance stores.....	75,000,000.00	53,955,344.00	21,044,656.00	53,955,344.00
20. Naval Gun Factory, Washington.....	2,500,000.00	500,000.00	2,000,000.00	500,000.00
21. New batteries for ships of Navy.....	115,000,000.00	.....	115,000,000.00	.....
22. Ammunition for vessels.....	125,000,000.00	.....	125,000,000.00	.....
23. Torpedoes and appliances.....	10,000,000.00	1,000,000.00	9,000,000.00	1,000,000.00
24. Reserve ordnance supplies.....	77,609,442.00	.....	77,609,442.00	.....
25. Torpedo station, Newport, R. I., new and improved machinery.....	450,000.00	250,000.00	200,000.00	450,000.00
26. Experiments, Bureau of Ordnance.....	360,000.00	200,000.00	160,000.00	360,000.00
27. Contingent, Bureau of Ordnance.....	50,000.00	25,000.00	25,000.00	50,000.00
28. Maintenance, Yards and Docks.....	12,500,000.00	7,500,000.00	5,000,000.00	10,000,000.00
29. Contingent, Yards and Docks.....	250,000.00	200,000.00	50,000.00	250,000.00
30. Emergency expenses, Yards and Docks.....	5,000,000.00	.....	5,000,000.00	5,000,000.00
31. Hospital construction.....	5,000,000.00	1,000,000.00	4,000,000.00	1,340,000.00
32. Navy yard, Portsmouth.....	458,000.00	358,000.00	100,000.00	358,000.00
33. Submarine base, New London.....	148,000.00	95,000.00	53,000.00	95,000.00
34. Navy yard, New York.....	2,850,000.00	2,800,000.00	50,000.00	2,800,000.00
35. Navy yard, Philadelphia.....	5,150,000.00	4,650,000.00	500,000.00	4,650,000.00
36. Navy yard, Washington.....	2,500,000.00	1,000,000.00	1,500,000.00	1,600,000.00
37. Navy yard, Norfolk.....	3,300,000.00	2,800,000.00	500,000.00	2,800,000.00
38. Navy yard, Charleston.....	705,000.00	375,000.00	330,000.00	375,000.00
39. Naval station, Key West.....	2,525,000.00	2,025,000.00	500,000.00	2,525,000.00
40. Naval station, New Orleans.....	187,000.00	117,000.00	70,000.00	117,000.00
41. Navy yard, Mare Island.....	1,600,000.00	100,000.00	1,500,000.00	100,000.00
42. Navy yard, Puget Sound.....	775,000.00	425,000.00	350,000.00	425,000.00
43. Naval station, Guam.....	221,000.00	191,000.00	30,000.00	191,000.00
44. Naval magazine, Hingham.....	300,000.00	100,000.00	200,000.00	150,000.00
45. Naval magazine, Fort Mifflin.....	300,000.00	100,000.00	200,000.00	260,000.00
46. Naval magazine, Iona Island.....	150,000.00	120,000.00	30,000.00	120,000.00
47. Naval magazine, Lake Denmark.....	100,000.00	50,000.00	50,000.00	90,000.00
48. Naval magazine, Mare Island.....	100,000.00	50,000.00	50,000.00	100,000.00
49. Naval magazine, Puget Sound.....	100,000.00	50,000.00	50,000.00	100,000.00
50. Torpedo station, Rhode Island.....	1,000,000.00	300,000.00	700,000.00	300,000.00
51. Depots for coal.....	805,000.00	450,000.00	355,000.00	750,000.00
52. Naval training station, California.....	130,000.00	75,000.00	55,000.00	75,000.00
53. Naval training station, Illinois.....	1,200,000.00	1,000,000.00	200,000.00	.....
54. Naval operating base.....	3,000,000.00	1,500,000.00	1,500,000.00	3,000,000.00
55. Naval training camps.....	10,000,000.00	.....	10,000,000.00	5,000,000.00
56. Medical department.....	7,500,000.00	3,750,000.00	3,750,000.00	7,500,000.00
57. Contingent, medicine, and surgery.....	2,000,000.00	1,000,000.00	1,000,000.00	2,000,000.00
58. Care of hospital patients.....	5,000,000.00	1,000,000.00	4,000,000.00	5,000,000.00
59. Pay of the Navy.....	579,946,071.00	211,602,395.00	368,343,676.00	304,621,796.00
60. Provisions, Navy.....	202,343,965.90	57,790,213.00	144,553,752.90	81,597,650.00
61. Clothing and small-stores fund.....	37,080,000.00	.....	37,080,000.00	10,000,000.00
62. Maintenance, supplies, and accounts.....	34,000,000.00	15,000,000.00	19,000,000.00	23,200,000.00

¹ Increase.

Table 7.—REDUCTIONS PROPOSED IN 1920 ESTIMATES BY SECRETARY OF THE NAVY IN HEARINGS BEFORE HOUSE COMMITTEE ON NAVAL AFFAIRS, DEC. 30, 1918—Continued.

Appropriation.	Estimate.	Amount now proposed by Secretary.	Decrease.	Amount subsequently proposed by bureau.
63. Freight, supplies, and accounts	\$10,000,000.00	\$3,000,000.00	\$7,000,000.00	\$10,000,000.00
64. Fuel and transportation	98,000,000.00	15,000,000.00	83,000,000.00	31,875,000.00
65. Construction and repair of vessels	75,000,000.00	37,500,000.00	37,500,000.00	37,500,000.00
66. Engineering	70,000,000.00	35,000,000.00	35,000,000.00	42,000,000.00
MARINE CORPS.				
67. Pay of officers, active	13,321,165.00	6,314,892.00	7,006,273.00	8,762,392.00
68. Pay of enlisted men, active	43,264,278.00	24,428,537.00	18,835,741.00	33,865,177.00
69. Mileage	500,000.00	200,000.00	300,000.00	400,000.00
70. Commutation of quarters	600,000.00	200,000.00	400,000.00	500,000.00
71. Provisions	17,411,000.00	9,673,000.00	7,738,000.00	13,542,200.00
72. Clothing	36,302,400.00	20,168,000.00	16,134,400.00	28,235,200.00
73. Fuel	1,500,000.00	833,500.00	666,500.00	1,166,900.00
74. Military stores	23,686,000.00	13,159,000.00	10,527,000.00	18,422,600.00
75. Transportation and recruiting	2,800,000.00	1,000,000.00	1,800,000.00	2,176,300.00
76. Repairs of barracks	2,500,000.00	1,000,000.00	1,500,000.00	1,930,000.00
77. Forage	436,000.00	150,000.00	286,000.00	338,800.00
78. Commutation of quarters	1,800,000.00	976,000.00	824,000.00	1,400,000.00
79. Contingent	10,577,780.00	4,000,000.00	6,577,780.00	8,227,100.00
80. Increase of the Navy—New program	200,000,000.00	55,000,000.00	145,000,000.00	200,000,000.00
81. Naval emergency fund	175,000,000.00	61,855,000.00	113,145,000.00	61,855,000.00
82. Improving and equipping navy yards for construction of ships	5,000,000.00	.....	5,000,000.00	5,000,000.00
83. Total of items not changed	246,451,139.28	246,451,139.28	.....	246,451,139.28
Total	2,644,307,046.05	975,903,621.28	1,668,403,424.77	1,414,064,090.15
Total of original estimate	2,644,307,046.05	.....	.....	.....
Total of proposed reductions	1,668,403,424.77	.....	.....	.....
	975,903,621.28	.....	.....	.....

The items comprising the sum of \$246,451,139.28, representing the aggregate of items in the original estimates not subsequently changed, are as follows:

State marine schools.....	\$75,000.00
Care of lepers, etc., Guam.....	20,000.00
Contingent, Bureau of Navigation.....	20,000.00
Naval training station, St. Helena, maintenance.....	491,350.00
Purchase and manufacture of smokeless powder.....	2,500,000.00
Torpedo station, Newport, R. I., maintenance, etc.....	300,000.00
Public works:	
Temporary storage.....	1,000,000.00
Navy yard, Boston.....	590,000.00
Marine recruiting station, Port Royal.....	10,000.00
Naval station, Hawaii.....	168,500.00
Naval station, Tutuila.....	7,000.00
Naval torpedo station, Keyport, Wash.....	50,000.00
Naval magazine, Charleston, S. C.....	38,000.00
Marine Barracks, San Diego, Calif.....	15,000.00
Naval hospital, Puget Sound.....	40,000.00
Repairs and preservation.....	4,000,000.00
Bringing home remains.....	700,000.00
Improvement of construction plants.....	200,000.00
Engineering experiment station.....	160,000.00
Naval Academy.....	1,492,960.00
Pay of retired marine officers.....	277,756.00
Pay of retired marines.....	164,862.00
Undrawn clothing, Marine Corps.....	100,000.00
Pay of civil force, Marine Corps.....	45,711.28
Increase of the Navy:	
Construction and machinery.....	137,085,000.00
Torpedo boats.....	21,900,000.00
Armor and armament.....	40,000,000.00
Ammunition.....	35,000,000.00
Total.....	246,451,139.28

Table 8.—APPROPRIATIONS FOR CLERICAL AND CONTINGENT EXPENSES, NAVY DEPARTMENT.

Date of legislative act.	Congress and session.	Fiscal year.	Legislative act.	Sundry and deficiency acts.	Total.
Mar. 3, 1883.	47th, 2d.	1884	\$282,016.00	\$2,000.00	\$284,016.00
July 7, 1884.	48th, 1st.	1885	307,396.00	2,548.20	309,944.20
Mar. 3, 1885.	48th, 2d.	1886	303,516.00	458.91	303,974.91
July 31, 1885.	49th, 1st.	1887	314,442.53	1,349.68	315,792.21
Mar. 3, 1887.	49th, 2d.	1888	314,896.00		314,896.00
July 11, 1888.	50th, 1st.	1889	335,157.62	1,741.88	336,899.50
Feb. 25, 1889.	50th, 2d.	1890	349,416.00	831.50	350,247.50
July 11, 1890.	51st, 1st.	1891	369,103.91	980.23	370,084.14
Mar. 3, 1891.	51st, 2d.	1892	390,120.00		390,120.00
July 16, 1902.	52d, 1st.	1893	394,270.00		394,270.00
Mar. 3, 1893.	52d, 2d.	1894	399,970.00		399,970.00
July 31, 1894.	53d, 2d.	1895	414,536.88		414,536.88
Mar. 2, 1895.	53d, 3d.	1896	419,790.00		419,790.00
May 25, 1895.	54th, 1st.	1897	417,540.00	450.00	417,990.00
Feb. 19, 1897.	54th, 2d.	1898	420,680.00	15,267.00	435,947.00
Mar. 15, 1898.	55th, 2d.	1899	420,390.00	11,453.25	441,843.25
Feb. 24, 1899.	55th, 3d.	1900	446,570.00		446,570.00
Apr. 17, 1900.	56th, 1st.	1901	501,908.00	1,800.00	503,708.00
Mar. 3, 1901.	56th, 2d.	1902	506,828.00		506,828.00
Apr. 28, 1902.	57th, 1st.	1903	518,680.70	22,097.90	540,778.60
Feb. 25, 1903.	57th, 2d.	1904	581,278.00	2,034.07	583,312.07
Mar. 18, 1904.	58th, 2d.	1905	711,190.00	3,487.79	714,677.79
Feb. 3, 1905.	58th, 3d.	1906	739,660.00	4,000.00	743,660.00
June 22, 1906.	59th, 1st.	1907	767,430.00	1,590.83	769,020.83
Feb. 28, 1907.	59th, 2d.	1908	798,770.00	1,650.00	798,420.00
May 22, 1908.	60th, 1st.	1909	803,070.00	3,546.95	806,616.95
Mar. 4, 1909.	60th, 2d.	1910	825,680.00	12.51	825,692.51
June 17, 1910.	61st, 2d.	1911	821,340.00	1.20	821,341.20
Mar. 4, 1911.	61st, 3d.	1912	836,740.00	9.75	836,749.75
Aug. 23, 1912.	62d, 2d.	1913	879,834.29		879,834.29
Mar. 4, 1913.	62d, 3d.	1914	875,365.00		875,365.00
July 16, 1914.	63d, 2d.	1915	862,715.01	21,250.00	883,965.01
Mar. 4, 1915.	63d, 3d.	1916	864,770.00		864,770.00
May 10, 1916.	64th, 1st.	1917	912,240.00	83,613.33	995,853.33
Mar. 3, 1917.	64th, 2d.	1918	1,667,280.00	1,318,775.37	2,376,055.37
July 3, 1918.	65th, 2d.	1919	1,963,004.00	856,102.73	2,819,106.73
Total for 36 years.			22,106,594.92	2,356,928.06	24,463,522.00

Table 9.—RECAPITULATION OF UNITED STATES APPROPRIATIONS, 1918 (SIXTY-FOURTH CONGRESS, SECOND SESSION).

Title.	Amount.	Total.
Agricultural appropriation act.	\$25,929,113.00	
Army appropriation act ¹ .	273,046,322.50	
Diplomatic and Consular appropriation act.	5,082,746.66	
District of Columbia appropriation act.	14,172,997.85	
Fortification appropriation on act.	51,396,593.00	
Indian appropriation act.	11,589,736.67	
Legislative appropriation act.	39,894,592.42	
Military Academy appropriation act ¹ .	1,344,896.18	
Naval appropriation act.	517,273,802.08	
Pension appropriation act.	160,060,000.00	
Post Office appropriation act.	331,851,170.00	
River and harbor appropriation act ¹ .	27,826,150.00	
Sundry civil appropriation act ¹ .	147,363,928.77	
Deficiency appropriation act, 1917 and prior years ¹ .	163,841,400.52	\$1,606,832,049.13
Urgent deficiency appropriation act, 1917 and prior years.	4,578,250.00	
Miscellaneous appropriation acts.		168,419,650.52
		41,083,670.08
Total.		1,816,245,269.73
Permanent specific and indefinite appropriations for the fiscal year 1918.		146,864,830.32
Grand total.		1,963,210,200.05

¹ The Army, Military Academy, sundry civil, river and harbor, and general deficiency acts were passed during the first session of the Sixty-fifth Congress.

Table 10.—RECAPITULATION OF UNITED STATES APPROPRIATIONS, 1918-19. (SIXTY-FIFTH CONGRESS, SECOND SESSION.)

[Prepared by the clerks to the Committees on Appropriations of the Senate and House.]

Title of appropriation acts.	Amount.	Contracts to be met by future appropriations.	Total.
REGULAR ACTS.			
Agriculture.....	\$27,875,352.00		\$27,875,352.00
Army.....	10,225,478,312.91	\$1,858,332,801.00	12,083,811,113.91
Diplomatic and Consular.....	7,937,376.66		7,937,376.66
District of Columbia ¹	15,046,768.66		15,046,768.66
Fortification.....	2,814,348,267.85	2,343,465,845.00	5,157,814,112.85
Indian.....	11,021,910.00		11,021,910.00
Legislative, etc.....	69,937,863.25		69,937,863.25
Military Academy.....	2,515,005.01		2,515,005.01
Naval.....	1,573,468,415.84	34,000,000.00	1,607,468,415.84
Pension.....	220,050,000.00		220,050,000.00
Post Office ²	377,573,342.00		377,573,342.00
River and harbor.....	23,771,900.00	82,700.00	23,854,600.00
Sundry civil.....	2,019,654,470.07	945,549,000.00	2,965,203,470.07
Total, regular acts.....	17,388,678,985.25	5,181,430,346.00	22,570,109,331.25
DEFICIENCY ACTS.			
Urgent deficiency, 1918.....	731,901,789.46	1,250,000.00	733,151,789.46
Additional urgent deficiency, 1918.....	90,700,022.62		90,700,022.62
Deficiency, 1918.....	1,015,406,732.34		1,015,406,732.34
First deficiency, 1919.....	2,487,003,912.41	3,844,511,016.00	6,331,514,928.41
Total, deficiency acts.....	4,325,012,456.83	3,845,761,016.00	8,170,773,472.83
MISCELLANEOUS ACTS.			
Congress, expenses of.....	266,000.00		266,000.00
Federal land-bank bonds, purchase of.....	200,000,000.00		200,000,000.00
Federal operation of railroads.....	500,000,000.00		500,000,000.00
Loans to our allies by the third and fourth Liberty bond acts ³	3,000,000,000.00		3,000,000,000.00
War Finance Corporation and Capital Issues Committee.....	500,200,000.00		500,200,000.00
Indianhead, Md., Naval Proving Ground, transportation system.....	1,000,000.00		1,000,000.00
Naturalization of aliens in the Army and Navy.....	400,000.00		400,000.00
Vocational rehabilitation of soldiers and sailors.....	2,000,000.00		2,000,000.00
Greece, payment to, for injuries of nationals.....	40,000.00		40,000.00
Combating Spanish influenza and other communicable diseases.....	1,000,000.00		1,000,000.00
Encouraging production and regulation of ores, metals, and minerals.....	50,500,000.00		50,500,000.00
Boston, Mass., dry dock for Navy, purchase of.....	4,550,000.00		4,550,000.00
Public Health Service, addition to Hygienic Laboratory.....		250,000.00	250,000.00
Encouraging production, etc., and distribution of food products.....	11,031,863.00		11,031,863.00
Total, miscellaneous acts.....	4,270,987,863.00	250,000.00	4,271,237,863.00
PERMANENTS AND INDEFINITES.			
Interest on the public debt ⁴	655,107,269.00		655,107,269.00
Sinking fund ⁴	288,889,865.00		288,889,865.00
Preparation and issuance of loans, expenses of ⁴	39,732,306.67		39,732,306.67
Increased compensation to Government employees ⁵	51,946,030.00		51,946,030.00
Miscellaneous permanents and indefinites.....	71,739,945.00		71,739,945.00
Total, permanents and indefinites.....	1,107,415,415.67		1,107,415,415.67
Grand total.....	27,092,094,720.75	9,027,441,362.00	36,119,536,082.75

¹ One-half of the amounts for the District of Columbia payable by the United States, except amounts for the water service (estimated for 1919 at \$63,000), which are payable from the revenues of the water department.

² The expenses of the Postal Service are payable from postal revenues to the extent they are sufficient therefor and the remainder is paid out of the Treasury.

³ Reimbursable by foreign Governments to whom advancements are made.

⁴ Revised estimate for 1919 as submitted by the Secretary of the Treasury in his annual report for the fiscal year 1918.

⁵ This sum is approximated and includes \$25,000,000 for increases authorized by the legislative, etc., act and \$26,946,030 authorized by the Post Office act. The latter sum is in addition to \$13,053,970 definitely appropriated in that act for that purpose.

⁶ Approximated.

Table 11.—PRINCIPAL ITEMS OF EXPENDITURE (FROM PAYMASTER GENERAL'S ANNUAL REPORT FOR 1917).

Amount appropriated by Congress for the fiscal year 1917.....	\$1,356,119,436.35
Total expenditures during 1917.....	261,403,176.52
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Fleet maintenance and operating expenses:	
Operation.....	59,950,911.97
Repairs to ships.....	8,775,448.51
Alterations.....	5,979,975.36
Repairs to equipage.....	982,420.96
Total.....	75,688,756.80
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Expenditures for construction of vessels:	
Battleships.....	20,531,621.94
Gunboats and fuel ships.....	736,890.00
Destroyers.....	5,173,617.64
Submarines.....	9,929,815.86
Tenders and tugs.....	8,486,835.70
Total (at navy yards, \$11,256,660.75; under contract, \$33,602,120.39).....	44,858,781.14
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Expenditures for pay and allowances of officers and men:	
Navy.....	56,643,643.89
Marine Corps.....	5,267,687.44
Total.....	61,911,331.33
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Cost of subsisting the enlisted men of the Navy and marines.....	8,931,415.36
Average cost of subsisting 1 man for 1 day.....	.43+
Cost of maintenance of navy yards.....	32,095,682.50
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Cost of output of industrial yards:	
Labor.....	22,664,259.84
Material.....	29,500,180.44
Indirect expense.....	5,532,042.79
Total.....	57,696,483.07
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Value of new and reclaimed materials received into store.....	130,334,060.06
Value of materials consumed or otherwise finally expended.....	88,880,075.51
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Property investment of Naval Establishment:	
Ships.....	592,840,412.78
Stations.....	221,252,598.68
Stores.....	181,044,158.71
Total.....	995,137,170.17
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Expenditures for Naval Militia.....	1,216,914.81
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Present value of clothing and small-stores fund:	
Stock.....	4,844,133.64
Money.....	10,737,961.39
Total.....	15,582,095.03
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Total expenditures for the Navy, 1794 to 1917, inclusive...	3,628,563,768.29

Table 12.—PRINCIPAL ITEMS OF EXPENDITURE (FROM PAYMASTER GENERAL'S ANNUAL REPORT FOR 1918).

Amount appropriated by Congress for the fiscal year 1918.....	\$653, 540, 608. 06
Total expenditures during 1918.....	1, 214, 995, 767. 01
Fleet maintenance and operating expenses:	
Operation.....	173, 933, 051. 81
Repairs to ships.....	28, 764, 517. 64
Alterations.....	36, 942, 646. 43
Repairs to equipment.....	1, 909, 707. 07
Total.....	241, 549, 922. 95
Expenditures for purchase and construction of vessels:	
Battleships, battle cruisers, and scout cruisers.....	31, 437, 756. 19
Gunboats and fuel ships.....	838, 821. 56
Destroyers.....	117, 904, 624. 49
Submarines and submarine chasers.....	39, 298, 072. 25
Tenders and tugs.....	741, 269. 63
Miscellaneous.....	69, 503, 343. 48
Total (at navy yards, \$22,896,807.57; under contract and purchase, \$236,827,080.03).....	259, 723, 887. 60
Expenditures for pay and allowances of officers and men:	
Navy.....	188, 960, 796. 52
Marine Corps.....	14, 420, 543. 83
Total.....	203, 381, 340. 35
Cost of subsisting the enlisted men of the Navy and marines.....	32, 705, 515. 90
Average cost of subsisting 1 man for 1 day.....	. 4853+
Cost of maintenance of navy yards.....	134, 797, 539. 72
Cost of output of industrial yards:	
Labor.....	58, 683, 607. 02
Material.....	80, 624, 117. 92
Overhead expense.....	14, 197, 490. 46
Total.....	153, 505, 215. 40
Value of new and reclaimed materials received into store.....	591, 101, 382. 90
Value of materials consumed or otherwise finally expended.....	298, 616, 465. 59
Property investment of Naval Establishment:	
Ships.....	867, 622, 157. 58
Stations.....	357, 555, 440. 42
Stores.....	493, 059, 555. 04
Total.....	1, 718, 237, 153. 04
Expenditures for Naval Militia.....	1, 805, 314. 76
Present value of clothing and small-stores fund:	
Stock.....	48, 155, 928. 62
Unpaid liabilities.....	34, 061, 920. 05
Total.....	14, 104, 008. 57
Total expenditures for the Navy, 1794 to 1918, inclusive...	4, 843, 559, 535. 30

Table 13.—VESSELS AUTHORIZED—1863-1918 (ALPHABETICAL).

Name.	Type.	Displacement	Speed	Mean	Year and Congress authorized.
		(normal).	on trial.	draft.	
		Tons.	Knots.	Ft. in.	
AA-1 ¹	Submarine				1914 (63-2)
AA-2.....	do.				1913 (61-3)
AA-3.....	do.				1915 (63-3)
A-1 (formerly Plunger).....	do.				1893 (52-2)
A-2 (formerly Adder) ¹	Submarine torpedo boat.....				1900 (56-1)
A-3 (formerly Grampus) ¹	do.				1900 (56-1)
A-4 (formerly Moccasin) ¹	do.				1900 (56-1)
A-5 (formerly Pike) ¹	do.				1900 (56-1)
A-6 (formerly Porpoise) ¹	do.				1900 (56-1)
A-7 (formerly Shark) ¹	do.				1900 (56-1)
Abbot.....	Destroyer	1,213	35	9 3/4	1917 (64-2)
Alabama.....	Battleship	11,552	17.01	23 6	1896 (54-1)
Algoma.....	Tug.	1,000	13	14 7	1917 (64-2)
Allen.....	Destroyer	1,071	30	9 2 1/2	1914 (63-2)
Ammen ²	Torpedo-boat destroyer	742	30.48	8 4	1909 (60-2)
Amphitrite.....	Monitor	3,970	10.5	14 6	1886 (49-1)
Annapolis.....	Gunboat	1,010	13.17	12 0	1895 (53-3)
Annisston (ex Montgomery).....	Unprotected cruiser	2,072	19.06	14 6	1888 (50-1)
Anthony.....	Destroyer	1,185	35	9 1 1/2	1917 (64-2)
Arizona.....	Battleship	31,400	21	25 10	1913 (63-1)
Arkansas.....	do.	26,000	21.05	28 6	1909 (60-2)
Ashville.....	Gunboat				1916 (64-1)
Atlanta.....	Protected cruiser	3,000	15.60	16 10	1883 (47-2)
Auk.....	Mine sweeper	950	14	9 9 1/2	1917 (65-1)
Avoost.....	do.	950	14	9 9 1/2	1917 (64-2)
Aylwin.....	Destroyer	1,036	29.6	9 5	1911 (61-3)
B-1 (formerly Viper) ¹	Submarine torpedo boat.....				1904 (58-2)
B-2 (formerly Cuttlefish) ¹	do.				1904 (58-2)
B-3 (formerly Tarantula) ¹	do.				1904 (58-2)
Babbitt.....	Destroyer	1,211	35	9 4	1917 (64-2)
Badger.....	do.	1,211	35	9 4	1917 (64-2)
Bagley.....	do.	1,213	35	9 3 1/2	1917 (64-2)
Baguio.....	Tug.	1,000	13	14 7	1917 (64-2)
Bahay.....	Destroyer	1,215	35	9 4	1917 (65-1)
Bainbridge.....	Torpedo-boat destroyer	420	28.45	6 6	1898 (55-2)
Balch.....	do.	1,036	28.02	9 5	1911 (61-3)
Ballard.....	Destroyer	1,215	35	9 4	1917 (65-1)
Baltimore.....	Protected cruiser	4,413	20.10	19 6	1886 (49-1)
Bancroft (old).....	Gunboat	839	14.37	12 2	1888 (50-1)
Bancroft.....	Destroyer	1,215	35	9 4	1917 (65-1)
Barney.....	do.	1,165	35	9 0	1917 (64-2)
Barry.....	Torpedo-boat destroyer	420	28.13	6 6	1898 (55-2)
Beale.....	do.	720	29.65	8 4	1910 (61-2)
Belknap.....	Destroyer	1,215	35	9 4	1917 (65-1)
Bell.....	do.	1,185	34.8	9 1 1/2	1917 (64-2)
Benham.....	Torpedo-boat destroyer	1,036	29.59	9 5	1911 (61-3)
Bennington.....	Gunboat	1,710	17.5	14 0	1887 (49-2)
Bernadou.....	Destroyer	1,165	35	9 0	1917 (64-2)
Riddle.....	do.	1,165	35	9 0	1917 (64-2)
Birmingham.....	Scout cruiser	3,750	24.33	16 9	1904 (53-2)
Bittern.....	Mine sweeper	950	14	9 9 1/2	1917 (64-2)
Blakeley.....	Destroyer	1,165	35	9 0	1917 (64-2)
Bobolink.....	Mine sweeper	950	14	9 9 1/2	1917 (64-2)
Boggs ²	Destroyer	1,154	35	9 0	1917 (64-2)
Boston.....	Protected cruiser	3,000	15.00	16 10	1883 (47-2)
Branch.....	Destroyer	1,215	35	9 4	1917 (65-1)
Brant.....	Mine sweeper	950	14	9 9 1/2	1917 (64-2)
Brazos.....	Fuel ship	14,700	14	26 8	1916 (64-1)
Breckinridge.....	Destroyer	1,165	35	9 0	1917 (64-2)
Breese.....	do.	1,213	35	9 3 1/2	1917 (64-2)
Bridge.....	Supply ship	8,700	14	20 8	1913 (63-1)
Brooklyn.....	Armored cruiser	9,215	21.91	24 0	1892 (52-1)
Brooks.....	Destroyer	1,215	35	9 4	1917 (65-1)
Buchanan.....	do.	1,154	35	9 0	1917 (64-2)
Burnes, John Francis.....	do.	1,215	35	9 4	1917 (65-1)
Burns.....	do.	1,186	35	9 1 1/2	1917 (64-2)
Burrows.....	do.	742	30.67	8 4	1908 (60-1)
Bush.....	do.	1,185	35	9 1 1/2	1917 (64-2)
Bushnell.....	Submarine tender	3,550	14	15 0	1912 (62-2)
C-1 (formerly Octopus) ¹	Submarine torpedo boat.....				1904 (58-2)
C-2 formerly Stingray) ¹	do.				1906 (59-1)
C-3 (formerly Tarpon) ¹	do.				1907 (59-1)
C-3 (formerly Tarpon) ¹	do.				1906 (59-1)
C-4 (formerly Bonita) ¹	do.				1907 (59-2)
C-4 (formerly Bonita) ¹	do.				1906 (59-1)
C-5 (formerly Snapper) ¹	do.				1906 (59-1)
C-5 (formerly Snapper) ¹	do.				1907 (59-2)
Cardinal.....	Mine sweeper	950	14	9 9 1/2	1917 (64-2)

¹ See history submarine-boat legislation.² Built in Government yard.

Table 13.—VESSELS AUTHORIZED—1883-1918 (ALPHABETICAL)—Continued.

Name.	Type.	Displacement (normal).	Speed on trial.	Mean draft.	Year and Congress authorized.	
		Tons.	Knots.	Ft. in.		
Carrabasset.....	Tug.....	1,000	13	14	7	1917 (64-2)
Cassin ¹	Destroyer.....	1,020	30.14	9	3	1911 (61-3)
Caldwell ¹	do.....	1,085	30	8	0	1915 (63-3)
California ¹	Battleship.....	32,300	20.5			1915 (63-3)
Castine.....	Gunboat.....	1,177	16.03	12	0	1889 (50-2)
ChAMPLIN.....	Destroyer.....	1,185	35	9	1½	1917 (64-2)
Chandler.....	do.....	1,215	35	9	4	1917 (65-1)
Charleston (destroyed).....	Protected cruiser.....	3,730	18.2	18	7	1885 (48-2)
Charleston.....	do.....	9,700	22.4	22	6	1900 (50-1)
Chattanooga.....	do.....	3,200	16.65	15	9	1899 (55-3)
Chauncey (destroyed).....	Destroyer.....	420	28.64	6	6	1915 (63-2)
Chauncey.....	do.....	1,215	35	9	4	1917 (65-1)
Chester.....	Scout cruiser.....	3,750	26.52	16	9	1904 (58-2)
Chew.....	Destroyer.....	1,185	35	9	1½	1917 (64-2)
Chewink.....	Mine sweeper.....	950	14	9	9½	1917 (65-1)
Cheyenne (formerly Wyoming).....	Monitor.....	3,225	11.8	12	6	1898 (55-2)
Chicago.....	Protected cruiser.....	4,500	18	19	0	1883 (47-2)
Cincinnati ¹	do.....	3,183	19.91	18	0	1888 (50-1)
Claxton ¹	Destroyer.....	1,154	35	9	0	1917 (64-2)
Clamson.....	do.....	1,215	35	9	4	1917 (65-1)
Cleveland.....	Protected cruiser.....	3,200	16.45	15	9	1899 (55-3)
Cole.....	Destroyer.....	1,165	35	9	0	1917 (64-2)
Colhoun.....	do.....	1,185	34.7	9	1½	1916 (64-1)
Colorado.....	Battleship.....	32,600	21	30	6½	1916 (64-1)
Columbia.....	Protected cruiser.....	7,350	22.8	22	6	1890 (51-1)
Concord.....	Gunboat.....	1,710	16.8	14	0	1887 (49-2)
Condor.....	Mine sweeper.....	950	14	9	9½	1917 (64-2)
Connecticut ¹	Battleship.....	16,000	18.78	24	6	1902 (57-1)
Conner.....	Destroyer.....	1,121	30	8	0	1915 (63-3)
Constellation.....	Battle cruiser.....	35,300	35	31	3½	1916 (64-1)
Constitution.....	do.....	35,300	35	31	3½	1916 (64-1)
Contocook.....	Tug.....	1,000	13	14	7	1917 (64-2)
Conyngham.....	Destroyer.....	1,090	29.5	9	4½	1913 (61-1)
Cormorant.....	Mine sweeper.....	950	14	9	9½	1917 (65-1)
Cowell.....	Destroyer.....	1,185	35	9	1½	1917 (64-2)
Crane.....	do.....	1,185	35	9	1½	1917 (64-2)
Craven (old).....	Torpedo boat.....	146	30	4	7	1896 (54-1)
Craven ¹	Destroyer.....	1,123	30	8	0	1915 (63-3)
Crosby.....	do.....	1,185	35	9	1½	1917 (64-2)
C. T. B. 1 (ex Foote).....	Torpedo boat.....	142	24.5	5	0	1894 (53-2)
C. T. B. 2 (ex Rodgers).....	do.....	142	24.4	5	0	1894 (53-2)
C. T. B. 3 (ex Du Pont).....	do.....	165	28.5	4	8	1895 (53-3)
C. T. B. 4 (ex Dahlgren).....	do.....	146	30	4	7	1896 (54-1)
C. T. B. 5 (ex Farragut).....	do.....	279	30.1	6	0	1896 (54-1)
C. T. B. 6 (ex Morris).....	do.....	915	24	4	1	1896 (54-1)
C. T. B. 7 (ex Goldsborough).....	do.....	255	27.4	6	10	1897 (52-2)
C. T. B. 8 (ex Balley).....	do.....	290	30.2	6	10	1897 (52-2)
C. T. B. 9 (ex Somers).....	do.....	150	15	5	10	
C. T. B. 10 (ex Bagley).....	do.....	175	29	4	11	1898 (55-2)
C. T. B. 11 (ex Barney).....	do.....	175	29	4	11	1898 (55-2)
C. T. B. 12 (ex Biddle).....	do.....	175	28.5	4	11	1898 (55-2)
C. T. B. 13 (ex Blakely).....	do.....	196	25.5	5	11	1898 (55-2)
C. T. B. 14 (ex De Long).....	do.....	196	25.5	5	11	1898 (55-2)
C. T. B. 15 (ex Shubrick).....	do.....	200	26	5	2	1898 (55-2)
C. T. B. 16 (ex Thornton).....	do.....	200	24.8	5	2	1898 (55-2)
C. T. B. 17 (ex Tingey).....	do.....	165	24.9	4	8	1898 (55-2)
Cumberland.....	Training ship.....	1,800		16	5	1903 (57-2)
Cummings.....	Destroyer.....	1,020	30.57	9	3	1911 (61-3)
Curlew.....	Mine sweeper.....	950	14	9	9½	1917 (64-2)
Cushing.....	Torpedo boat.....	105	22.5	4	10	1886 (49-1)
Cushing.....	Destroyer.....	1,050	29	9	6	1912 (62-2)
Cuyama.....	Fuel ship.....	14,500	14	26	2	1915 (63-3)
Cyclops (lost).....	Coiler.....	19,360	14.61	27	8	1908 (60-1)
D-1 (formerly Narwhal) ²	Submarine torpedo boat.....					1906 (59-1)
D-2 (formerly Grayling) ²	do.....					1907 (59-2)
D-3 (formerly Salmon) ²	do.....					1906 (59-1)
Dahlgren.....	Destroyer.....	1,215	35	9	4	1917 (65-1)
Dale.....	Torpedo-boat destroyer.....	420	28	6	6	1898 (55-2)
Davis (old).....	Torpedo boat.....	154	23.41	5	10	1896 (54-1)
Davis.....	Destroyer.....	1,071	30.36	9	2½	1914 (63-2)
Decatur.....	Torpedo-boat destroyer.....	420	28.10	6	6	1898 (55-2)
Delaware.....	Battleship.....	20,000	21.56	26	11	1906 (59-1)
De Long.....	Destroyer.....	1,211	35	9	4	1917 (64-2)
Delphy.....	do.....	1,215	35	9	4	1917 (65-1)

¹ Built in a Government yard.² See history submarine-boat legislation.

Table 13.—VESSELS AUTHORIZED—1883-1918 (ALPHABETICAL)—Continued.

Name.	Type.	Displacement	Speed	Mean	Year and Congress authorized.
		(normal).	on trial.	draught.	
		Tons.	Knots.	ft. in.	
Dent.....	Destroyer.....	1,165	35	9 0	1917 (64-2)
Denver.....	Protected cruiser.....	3,200	16.75	15 9	1899 (55-3)
Des Moines.....	do.....	3,200	16.65	15 9	1899 (55-3)
Detroit.....	Unprotected cruiser.....	2,072	18.71	14 6	1888 (50-1)
Dobbin.....	Destroyer tender.....	10,600	14	21 0½	1916 (64-1)
Dolphin.....	Dispatch boat.....	1,486	15.5	14 3	1883 (47-2)
Dorsey.....	Destroyer.....	1,165	35	9 0	1917 (64-2)
Downes.....	do.....	1,072	29.07	9 7	1911 (61-3)
Drayton 1.....	do.....	742	30.83	8 4	1908 (60-1)
Dubuque.....	Gunboat.....	1,085	12.9	12 3	1902 (57-1)
Duncan.....	Destroyer.....	1,014	29.14	9 3	1911 (61-3)
Dupont.....	do.....	1,165	35	9 0	1917 (64-2)
Dyer.....	do.....	1,185	34.8	9 1½	1916 (64-1)
E-1 (formerly Skipjack) 2.....	Submarine torpedo boat.....				1908 (60-1)
E-2 (formerly Sturgeon) 2.....	do.....				1908 (60-1)
Eagles 1 to 112.....	Patrol vessels.....	500	18	6 11½	1917 (65-1)
Edwards.....	Destroyer.....	1,215	35	9 4	1917 (65-1)
Elder.....	Mine sweeper.....	950	14	9 9½	1917 (64-2)
Elliot.....	Destroyer.....	1,165	35	9 0	1917 (64-2)
Ellis.....	do.....	1,165	35	9 0	1917 (64-2)
Ericsson.....	do.....	1,090	29.29	9 9	1912 (62-2)
Ericsson.....	Torpedo boat.....	120	24	4 9	1890 (51-1)
Evans.....	Destroyer.....	1,154	35	9 0	1916 (64-1)
F-1 (formerly Carp) 2 (lost).....	Submarine torpedo boat.....				1908 (60-1)
F-2 (formerly Barracuda) 2 (lost).....	do.....				1908 (60-1)
F-3 (formerly Pickerel) 1 (lost).....	do.....				1908 (60-1)
F-4 (formerly Skate) 2 (lost).....	do.....				1908 (60-1)
Fairfax 1.....	Destroyer.....	1,154	35	9 0	1916 (64-1)
Falcon.....	Mine sweeper.....	950	14	9 9½	1917 (64-2)
Fanning.....	Torpedo-boat destroyer.....	742	29.99	8 4	1910 (61-2)
Farquhar.....	Destroyer.....	1,215	35	9 4	1917 (65-1)
Farragut.....	do.....	1,215	35	9 4	1917 (65-1)
Finch.....	Mine sweeper.....	950	14	9 9½	1917 (64-2)
Fleming.....	do.....	950	14	9 9½	1917 (64-2)
Florida 1.....	Battleship.....	21,825	20.75	23 6	1908 (60-1)
Flusser.....	Torpedo-boat destroyer.....	700	30.41	8 0	1907 (59-2)
Foote.....	Destroyer.....	1,185	35	9 1½	1917 (64-2)
Fox.....	Torpedo boat.....	154	23.13	5 10	1896 (54-1)
Frederick (formerly Maryland).....	Armored cruiser.....	13,680	22.41	24 1	1900 (56-1)
Fuller.....	Destroyer.....	1,215	35	9 4	1917 (65-1)
Fulton (formerly Niagara).....	Submarine tender.....	1,408	12.25	13 0	1911 (61-3)
G-1 (formerly Seal) 2.....	Submarine torpedo boat.....				1908 (59-1)
G-2 (formerly Tuna) 2.....	do.....				1907 (59-2)
G-3 (formerly Turbot) 2.....	do.....				1908 (60-1)
G-4 (formerly Thrasher) 2.....	do.....				1910 (60-2)
Galveston 2.....	Protected cruiser.....	3,200	16.41	15 9	1899 (55-3)
Gamble.....	Destroyer.....	1,213	35	9 3½	1917 (64-2)
Gannet.....	Mine sweeper.....	950	14	9 9½	1917 (65-1)
Georgia.....	Battleship.....	14,948	19.26	23 9	1899 (55-3)
Goldsbrough.....	Destroyer.....	1,215	35	9 4	1917 (65-1)
Goshawk.....	Mine sweeper.....	950	14	9 9½	1917 (65-1)
Graham.....	Destroyer.....	1,215	35	9 4	1917 (65-1)
Grebe.....	Mine sweeper.....	950	14	9 9½	1917 (65-1)
Greene.....	Destroyer.....	1,215	35	9 4	1917 (65-1)
Greer.....	Destroyer.....	1,165	35	9 0	1917 (64-2)
Gregory.....	do.....	1,185	34.8	9 1½	1916 (64-1)
Gridley.....	do.....	1,185	35	9 1½	1916 (64-1)
Gwin.....	do.....	1,123	20	8 0	1915 (63-3)
Gwin (old).....	Torpedo boat.....	46	20.88	3 3	1896 (54-1)
H-1 (formerly Seewolf) 2.....	Submarine torpedo boat.....				1910 (60-2)
H-2 (formerly Nautilus) 2.....	do.....				1909 (60-2)
H-3 (formerly Garfish) 2.....	do.....				1910 (60-2)
H-4.....	Submarine.....				1917 (65-1)
H-5.....	do.....				1917 (65-1)
H-6.....	do.....				1917 (65-1)
H-7.....	do.....				1917 (65-1)
H-8.....	do.....				1917 (65-1)
H-9.....	do.....				1917 (65-1)
Hamilton 1.....	Destroyer.....	1,154	35	9 0	1917 (64-2)
Haraden.....	do.....	1,213	35	9 3½	1917 (64-2)
Harding.....	do.....	1,185	35	9 1½	1916 (64-1)
Hart.....	do.....	1,185	35	9 1½	1917 (64-2)
Hathfield.....	do.....	1,215	35	9 4	1917 (65-1)
Haselwood.....	do.....	1,185	35	9 1½	1917 (64-2)
Hector (lost).....	Collier.....	11,230	12.87	24 8	1908 (60-1)

1 Built in Government yard.

2 See history submarine-boat legislation.

Table 13.—VESSELS AUTHORIZED—1893-1918 (ALPHABETICAL)—Continued.

Name.	Type.	Displace-	Speed	Mean	Year and Congress authorized.
		ment (normal).	on trial.	draft.	
Helena.....	Gunboat.....	1,392	15.5		1893 (52-2)
Henderson.....	Transport.....	10,000	14	19 10½	1913 (62-1)
Hensley.....	Torpedo-boat destroyer.....	742	30.32	8 4	1910 (61-2)
Herbert.....	Destroyer.....	1,211	35	9 4	1917 (64-2)
Heron.....	Mine sweeper.....	950	14	9 9½	1917 (64-2)
Heywood.....	Transport.....	10,300	14	19 6½	1916 (64-1)
Hogan.....	Destroyer.....	1,185	35	9 1½	1917 (64-2)
Holland.....	Submarine tender.....	10,600	14	21 1	1916 (64-1)
Holland ¹	Submarine torpedo boat.....				
Hopkins.....	Torpedo-boat destroyer.....	408	29.02	6 0	1896 (55-2)
Hopewell.....	Destroyer.....	1,213	35	9 3½	1917 (64-2)
Howard.....	do.....	1,185	35	9 1½	1917 (64-2)
Hull.....	Torpedo-boat destroyer.....	408	28.04	6 0	1896 (55-2)
Huntington (formerly West Virginia).....	Armored cruiser.....	13,680	22.15	24 1	1899 (55-3)
Idaho.....	Battleship.....	32,000	21	30 0	1914 (63-2)
Idaho (sold).....	do.....	13,000	17.12	24 8	1908 (57-2)
Illinois.....	do.....	11,552	17.45	23 6	1896 (54-1)
Indiana.....	do.....	10,288	15.55	24 0	1890 (51-1)
Ingraham.....	Destroyer.....	1,185	35	9 1½	1917 (64-2)
Ingram.....	do.....	1,215	35	9 4	1917 (65-1)
Intrepid ²	Training ship.....	1,800		16 5	1903 (57-2)
Iowa.....	Battleship.....	11,346	17.00	24 0	1892 (52-1)
Isabel.....	Destroyer.....	797	28.8	9 2	1917 (64-2)
Israel.....	do.....	1,185	34.8	9 1½	1917 (64-2)
Iuka.....	Tug.....	1,000	13	14 7	1917 (64-2)
Iwana.....	do.....	192	11.58	8 0	1899 (50-2)
Jacob Jones (lost).....	Destroyer.....	1,150	29.67	9 3½	1913 (63-1)
Jacob Jones.....	do.....	1,211	35	9 4	1917 (64-2)
Jarvis.....	Torpedo-boat destroyer.....	742	30.01	8 4	1910 (61-2)
Jason.....	Fuel ship.....	19,132	14.32	27 8	1911 (61-3)
Jenkins.....	Destroyer.....	742	31.27	8 4	1910 (61-2)
Jouett.....	do.....	742	32.27	8 4	1910 (61-2)
Jupiter ³	Fuel ship.....	19,360	14.99	27 8	1908 (50-1)
K-1 (formerly Haddock) ¹	Submarine torpedo boat.....				1910 (61-2)
K-2 (formerly Cachalot) ¹	do.....				1910 (61-2)
K-3 (formerly Orca) ¹	do.....				1910 (61-2)
K-4 (formerly Walrus) ¹	do.....				1910 (61-2)
K-5 (formerly No. 36) ¹	do.....				1911 (61-3)
K-6 (formerly No. 37) ¹	do.....				1911 (61-3)
K-7 (formerly No. 38) ¹	do.....				1911 (61-3)
K-8 (formerly No. 39) ¹	do.....				1911 (61-3)
Kalk.....	Destroyer.....	1,215	35	9 4	1917 (65-1)
Kalmia.....	Tug.....	1,000	13	14 7	1917 (64-2)
Kanawha ³	Fuel ship.....	14,500	14	26 2	1912 (62-2)
Kansas.....	Battleship.....	16,000	18.09	24 6	1903 (57-2)
Katahdin.....	Ram.....	2,183	16.11	15 0	1899 (50-2)
Kearsarge.....	Battleship.....	11,520	16.82	23 6	1896 (53-3)
Kennison ³	Destroyer.....	1,154	35	9 0	1917 (64-2)
Kentucky.....	Battleship.....	11,520	16.9	23 6	1896 (53-3)
Koosauqua.....	Tug.....	1,000	13	14 7	1917 (64-2)
Kewaydin.....	do.....	1,000	13	14 7	1917 (64-2)
Kilty ³	Destroyer.....	1,154	35	9 0	1917 (64-2)
Kimberly.....	do.....	1,185	34.8	9 1½	1916 (64-1)
Kingfisher ³	Mine sweeper.....	950	14	9 9½	1917 (64-2)
L-1 ¹	Submarine.....				1912 (62-2)
L-2 ¹	do.....				1912 (62-2)
L-3 ¹	do.....				1912 (62-2)
L-4 ¹	do.....				1912 (62-2)
L-5 ¹	do.....				1912 (62-2)
L-6 ¹	do.....				1912 (62-2)
L-7 ¹	do.....				1912 (62-2)
L-8 ¹	do.....				1913 (63-1)
L-9 ¹	do.....				1913 (63-1)
L-10 ¹	do.....				1913 (63-1)
L-11 ¹	do.....				1913 (63-1)
Lamberton.....	Destroyer.....	1,213	35	9 3½	1917 (64-2)
Lamson ¹	Torpedo-boat destroyer.....	700	28.61	8 0	1906 (50-1)
Lansdale.....	Destroyer.....	1,185	35	9 1½	1917 (64-2)
Lapwing.....	Mine sweeper.....	950	14	9 9½	1917 (64-2)
Lark.....	do.....	950	14	9 9½	1917 (64-2)
Laub.....	Destroyer.....	1,215	35	9 4	1917 (65-1)
Lawrence.....	do.....	400	28.41	6 2	1896 (55-2)
Lea.....	do.....	1,165	35	9 0	1917 (64-2)
Leary.....	do.....	1,211	35	9 4	1917 (64-2)

¹ See history submarine-boat legislation.² Purchased under act Mar. 3, 1899, amending act June 10, 1896.³ Built in Government yard.

Table 13.—VESSELS AUTHORIZED—1893-1918 (ALPHABETICAL)—Continued.

Name.	Type.	Displacement (normal).		Speed on trial.	Mean draft.	Year and Congress authorized.
		Tons.	K'nots.			
Lexington.....	Battle cruiser.....	35,300	35	31	34	1916 (64-1)
Littie.....	Destroyer.....	1,185	35	9	14	1916 (64-1)
Louisiana.....	Battleship.....	16,000	18.82	24	6	1902 (57-1)
Luce.....	Destroyer.....	1,185	34.8	9	13	1917 (64-2)
Ludlow.....	do.....	1,185	35	9	13	1917 (64-2)
M-1 ¹	Submarine.....					1912 (62-2)
MacDonough.....	Torpedo-boat destroyer.....	700	28.03	6	2	1898 (55-2)
Machias.....	Gunboat.....	1,177	15.46	12	0	1899 (56-2)
MacKenzie.....	Destroyer.....	1,185	35	9	13	1917 (64-2)
MacKenzie (old).....	Torpedo boat.....	65	20.11	4	3	1896 (54-1)
Maddox.....	Destroyer.....	1,185	35	9	13	1917 (64-2)
Mahan.....	do.....	1,185	35	9	13	1917 (64-2)
Mahopac.....	Tug.....	1,000	13	14	7	1917 (64-2)
Maine.....	Battleship.....	12,500	18	23	10	1898 (55-2)
Maine (destroyed) ²	Second-class battleship.....	6,682	17.45	21	6	1896 (49-1)
Mallard.....	Mine sweeper.....	950	14	9	9 1/2	1888 (50-1)
Manley.....	Destroyer.....	1,065	30	8	0	1915 (63-3)
Marblehead.....	Unprotected cruiser.....	2,672	18.44	14	6	1888 (50-1)
Marletta.....	Gunboat.....	990	13.02	12	0	1895 (53-3)
Mars.....	Collier.....	11,230	12.05	24	8	1908 (60-1)
Maryland.....	Battleship.....	32,600	21	30	6 1/2	1916 (64-1)
Mason.....	Destroyer.....	1,215	35	9	4	1917 (65-1)
Massachusetts.....	Battleship.....	10,288	16.21	24	0	1890 (51-1)
Maumee ²	Fuel ship.....	14,500	14	26	2	1912 (62-2)
Maury.....	Destroyer.....	1,185	34.6	9	12	1917 (64-2)
Mayrant.....	Torpedo-boat destroyer.....	742	30.22	8	4	1908 (60-1)
McCall.....	do.....	742	30.66	8	4	1908 (60-1)
McCalla.....	Destroyer.....	1,215	35	9	4	1917 (65-1)
McCook.....	do.....	1,215	35	9	4	1917 (65-1)
McDermut.....	do.....	1,215	35	9	4	1917 (65-1)
McDougal.....	Torpedo-boat destroyer.....	1,620	30.70	9	3	1912 (62-2)
McKean.....	Destroyer.....	1,185	35	9	13	1916 (64-1)
McKee (old).....	Torpedo boat.....	65	19.82	4	3	1896 (54-1)
McKee.....	Destroyer.....	1,185	35	9	13	1916 (64-1)
McLanahan.....	do.....	1,215	35	9	4	1917 (65-1)
Medusa.....	Repair ship.....	10,000	16	18	11 1/2	1916 (64-1)
Melville.....	Destroyer tender.....	7,180	15	20	0	1912 (62-2)
Memphis (lost).....	Armored cruiser.....	14,500	22.16	25	0	1902 (57-1)
Meredith.....	Destroyer.....	1,185	35	9	13	1917 (64-2)
Miantonomah.....	Monitor.....	3,990	16.5	14	6	1887 (49-2)
Michigan.....	Battleship.....	16,000	18.79	24	6	1906 (58-3)
Milwaukee.....	Protected cruiser.....	9,700	22.22	23	6	1900 (56-1)
Minneapolis.....	do.....	7,350	23.07	22	6	1891 (51-2)
Minnesota.....	Battleship.....	16,000	18.95	24	6	1903 (57-2)
Mississippi (old).....	do.....	13,000	17.11	24	8	1903 (57-2)
Mississippi.....	do.....	32,000	21	30	0	1914 (63-2)
Missouri.....	do.....	12,500	18.15	23	11	1896 (55-2)
Monadnock.....	Monitor.....	3,990	11.83	14	6	1898 (49-1)
Monaghan ¹	Torpedo-boat destroyer.....	742	30.45	8	4	1909 (60-2)
Monocacy.....	River gunboat.....	190	13.25	2	5	1911 (61-3)
Monocacy (old).....	do.....	14,500	22.36	25	0	1904 (58-2)
Montana.....	Battleship.....	43,200	23	33	0	1916 (64-1)
Montcalm.....	Tug.....	1,000	13	14	7	1917 (64-2)
Montevideo.....	Monitor.....	4,084	13.6	14	10	1887 (49-2)
Montgomery.....	Destroyer.....	1,215	35	9	2 1/2	1917 (64-2)
Morris.....	do.....	1,215	35	9	4	1917 (65-1)
Murford.....	do.....	1,185	35	9	13	1917 (64-2)
Murray.....	do.....	1,185	34.8	9	13	1917 (64-2)
N-1 ¹	Submarine.....					1914 (63-2)
N-2 ¹	do.....					1914 (63-2)
N-3 ¹	do.....					1914 (63-2)
N-4 ¹	do.....					1914 (63-2)
N-5 ¹	do.....					1914 (63-2)
N-6 ¹	do.....					1914 (63-2)
N-7 ¹	do.....					1914 (63-2)
Napa.....	Tug.....	1,060	13	14	7	1917 (64-2)
Narcecta.....	do.....	192	11.5	8	0	1899 (50-2)
Nashville.....	Gunboat.....	1,271	16.3	11	0	1893 (52-2)
Nebraska.....	Battleship.....	14,918	19.06	23	9	1899 (55-3)
Neptune.....	Fuel ship.....	19,375	12.93	27	7	1909 (60-2)
Nereus.....	do.....	19,000	14.58	27	8	1910 (61-2)
Nevada.....	Battleship.....	27,500	20.5	28	6	1911 (61-3)
Newark.....	Protected cruiser.....	4,083	19	18	9	1885 (48-2)
New Hampshire.....	Battleship.....	16,000	18.16	24	6	1904 (58-2)
New Jersey.....	do.....	14,948	19.18	23	9	1900 (56-1)
New Mexico.....	do.....	32,000	21	30	0	1914 (63-2)
Newport.....	Gunboat.....	1,010	12.29	12	0	1895 (53-3)
New York.....	Battleship.....	27,000	21.47	28	6	1910 (61-2)

¹ See history of submarine-boat legislation.² Built in a Government yard.

Table 13.—VESSELS AUTHORIZED—1883-1918 (ALPHABETICAL)—Continued.

Name.	Type.	Displacement	Speed	Mean	Year and Congress authorized.
		(normal).	on trial.	draft.	
		Tons.	Knots.	ft. in.	
Nicholson	Destroyer	1,050	29.08	9 6	1912 (62-2)
Nicholson (old)	Torpedo boat	218	25.74	6 5	1898 (55-2)
Nitro	Ammunition ship	10,600	16	20 11	1916 (61-1)
North Carolina	Battleship	43,200	23	33 0	1916 (61-1)
North Carolina (old)	Armored cruiser	14,500	22.48	25 0	1904 (58-2)
North Dakota ¹	Battleship	20,000	21.01	26 11	1907 (59-2)
No. 50	do.	43,200	23	33 0	1916 (61-1)
No. 53	do.	43,200	23	33 0	1916 (61-1)
No. 54	do.	43,200	23	33 0	1916 (61-1)
No. 6	Battle cruiser	35,300	35	31 3 ¹	1916 (61-1)
No. 4	Scout cruiser	7,100	35	13 6	1916 (61-1)
No. 5	do.	7,100	35	13 6	1916 (61-1)
No. 6	do.	7,100	35	13 6	1916 (61-1)
No. 7	do.	7,100	35	13 6	1916 (61-1)
No. 8	do.	7,100	35	13 6	1916 (61-1)
No. 9	do.	7,100	35	13 6	1916 (61-1)
No. 10	do.	7,100	35	13 6	1916 (61-1)
No. 11	do.	7,100	35	13 6	1916 (61-1)
No. 12	do.	7,100	35	13 6	1916 (61-1)
No. 13	do.	7,100	35	13 6	1916 (61-1)
No. 133	Destroyer	1,154	35	9 0	1917 (61-2)
No. 134	do.	1,154	35	9 0	1917 (61-2)
No. 157	do.	1,211	35	9 4	1917 (61-2)
No. 193	do.	1,215	35	9 4	1917 (65-1)
No. 194	do.	1,215	35	9 4	1917 (65-1)
No. 195	do.	1,215	35	9 4	1917 (65-1)
No. 196	do.	1,215	35	9 4	1917 (65-1)
No. 197	do.	1,215	35	9 4	1917 (65-1)
No. 198	do.	1,215	35	9 4	1917 (65-1)
No. 199	do.	1,215	35	9 4	1917 (65-1)
No. 200	do.	1,215	35	9 4	1917 (65-1)
No. 201	do.	1,215	35	9 4	1917 (65-1)
No. 202	do.	1,215	35	9 4	1917 (65-1)
No. 203	do.	1,215	35	9 4	1917 (65-1)
No. 204	do.	1,215	35	9 4	1917 (65-1)
No. 205	do.	1,215	35	9 4	1917 (65-1)
No. 208	do.	1,215	35	9 4	1917 (65-1)
No. 209	do.	1,215	35	9 4	1917 (65-1)
No. 210	do.	1,215	35	9 4	1917 (65-1)
No. 211	do.	1,215	35	9 4	1917 (65-1)
No. 212	do.	1,215	35	9 4	1917 (65-1)
No. 213	do.	1,215	35	9 4	1917 (65-1)
No. 214	do.	1,215	35	9 4	1917 (65-1)
No. 215	do.	1,215	35	9 4	1917 (65-1)
No. 216	do.	1,215	35	9 4	1917 (65-1)
No. 217	do.	1,215	35	9 4	1917 (65-1)
No. 218	do.	1,215	35	9 4	1917 (65-1)
No. 219	do.	1,215	35	9 4	1917 (65-1)
No. 220	do.	1,215	35	9 4	1917 (65-1)
No. 221	do.	1,215	35	9 4	1917 (65-1)
No. 222	do.	1,215	35	9 4	1917 (65-1)
No. 223	do.	1,215	35	9 4	1917 (65-1)
No. 224	do.	1,215	35	9 4	1917 (65-1)
No. 225	do.	1,215	35	9 4	1917 (65-1)
No. 226	do.	1,215	35	9 4	1917 (65-1)
No. 227	do.	1,215	35	9 4	1917 (65-1)
No. 228	do.	1,215	35	9 4	1917 (65-1)
No. 229	do.	1,215	35	9 4	1917 (65-1)
No. 230	do.	1,215	35	9 4	1917 (65-1)
No. 233	do.	1,215	35	9 4	1917 (65-1)
No. 234	do.	1,215	35	9 4	1917 (65-1)
No. 235	do.	1,215	35	9 4	1917 (65-1)
No. 236	do.	1,215	35	9 4	1917 (65-1)
No. 237	do.	1,215	35	9 4	1917 (65-1)
No. 238	do.	1,215	35	9 4	1917 (65-1)
No. 239	do.	1,215	35	9 4	1917 (65-1)
No. 240	do.	1,215	35	9 4	1917 (65-1)
No. 241	do.	1,215	35	9 4	1917 (65-1)
No. 242	do.	1,215	35	9 4	1917 (65-1)
No. 243	do.	1,215	35	9 4	1917 (65-1)
No. 244	do.	1,215	35	9 4	1917 (65-1)
No. 245	do.	1,215	35	9 4	1917 (65-1)
No. 246	do.	1,215	35	9 4	1917 (65-1)
No. 247	do.	1,215	35	9 4	1917 (65-1)
No. 248	do.	1,215	35	9 4	1917 (65-1)
No. 249	do.	1,215	35	9 4	1917 (65-1)
No. 250	do.	1,215	35	9 4	1917 (65-1)
No. 258	do.	1,215	35	9 4	1917 (65-1)
No. 259	do.	1,215	35	9 4	1917 (65-1)

¹ See history of submarine-boat legislation.

Table 13.—VESSELS AUTHORIZED—1883-1918 (ALPHABETICAL)—Continued.

Name.	Type.	Displacement	Speed	Mean	Year and Congress authorized.
		(normal).	on trial.	draft.	
		<i>Tons.</i>	<i>Knots.</i>	<i>Ft. in.</i>	
No. 260	Destroyer	1,215	35	9 4	1917 (65-1)
No. 274	do.	1,215	35	9 4	1917 (65-1)
No. 275	do.	1,215	35	9 4	1917 (65-1)
No. 276	do.	1,215	35	9 4	1917 (65-1)
No. 277	do.	1,215	35	9 4	1917 (65-1)
No. 278	do.	1,215	35	9 4	1917 (65-1)
No. 279	do.	1,215	35	9 4	1917 (65-1)
No. 280	do.	1,215	35	9 4	1917 (65-1)
No. 281	do.	1,215	35	9 4	1917 (65-1)
No. 282	do.	1,215	35	9 4	1917 (65-1)
No. 283	do.	1,215	35	9 4	1917 (65-1)
No. 284	do.	1,215	35	9 4	1917 (65-1)
No. 285	do.	1,215	35	9 4	1917 (65-1)
No. 286	do.	1,215	35	9 4	1917 (65-1)
No. 287	do.	1,215	35	9 4	1917 (65-1)
No. 288	do.	1,215	35	9 4	1917 (65-1)
No. 289	do.	1,215	35	9 4	1917 (65-1)
No. 290	do.	1,215	35	9 4	1917 (65-1)
No. 291	do.	1,215	35	9 4	1917 (65-1)
No. 292	do.	1,215	35	9 4	1917 (65-1)
No. 293	do.	1,215	35	9 4	1917 (65-1)
No. 294	do.	1,215	35	9 4	1917 (65-1)
No. 295	do.	1,215	35	9 4	1917 (65-1)
No. 306	do.	1,215	35	9 4	1917 (65-1)
No. 307	do.	1,215	35	9 4	1917 (65-1)
No. 308	do.	1,215	35	9 4	1917 (65-1)
No. 309	do.	1,215	35	9 4	1917 (65-1)
No. 311	do.	1,215	35	9 4	1917 (65-1)
No. 312	do.	1,215	35	9 4	1917 (65-1)
No. 313	do.	1,215	35	9 4	1917 (65-1)
No. 314	do.	1,215	35	9 4	1917 (65-1)
No. 315	do.	1,215	35	9 4	1917 (65-1)
No. 316	do.	1,215	35	9 4	1917 (65-1)
No. 317	do.	1,215	35	9 4	1917 (65-1)
No. 318	do.	1,215	35	9 4	1917 (65-1)
No. 319	do.	1,215	35	9 4	1917 (65-1)
No. 320	do.	1,215	35	9 4	1917 (65-1)
No. 321	do.	1,215	35	9 4	1917 (65-1)
No. 322	do.	1,215	35	9 4	1917 (65-1)
No. 323	do.	1,215	35	9 4	1917 (65-1)
No. 324	do.	1,215	35	9 4	1917 (65-1)
No. 325	do.	1,215	35	9 4	1917 (65-1)
No. 326	do.	1,215	35	9 4	1917 (65-1)
No. 327	do.	1,215	35	9 4	1917 (65-1)
No. 328	do.	1,215	35	9 4	1917 (65-1)
No. 329	do.	1,215	35	9 4	1917 (65-1)
No. 330	do.	1,215	35	9 4	1917 (65-1)
No. 331	do.	1,215	35	9 4	1917 (65-1)
No. 332	do.	1,215	35	9 4	1917 (65-1)
No. 333	do.	1,215	35	9 4	1917 (65-1)
No. 334	do.	1,215	35	9 4	1917 (65-1)
No. 335	do.	1,215	35	9 4	1917 (65-1)
No. 336 ¹	do.	1,215	35	9 4	1917 (65-1)
No. 337 ¹	do.	1,215	35	9 4	1917 (65-1)
No. 338 ¹	do.	1,215	35	9 4	1917 (65-1)
No. 339 ¹	do.	1,215	35	9 4	1917 (65-1)
No. 340 ¹	do.	1,215	35	9 4	1917 (65-1)
No. 341 ¹	do.	1,215	35	9 4	1917 (65-1)
No. 342 ¹	do.	1,215	35	9 4	1917 (65-1)
No. 343 ¹	do.	1,215	35	9 4	1917 (65-1)
No. 344 ¹	do.	1,215	35	9 4	1917 (65-1)
No. 345	do.	1,215	35	9 4	1916 (64-1)
No. 346	do.	1,215	35	9 4	1916 (64-1)
No. 347	do.	1,215	35	9 4	1916 (64-1)
No. 348	do.	1,215	35	9 4	1916 (64-1)
No. 349	do.	1,215	35	9 4	1916 (64-1)
No. 350	do.	1,215	35	9 4	1916 (64-1)
No. 351	do.	1,215	35	9 4	1916 (64-1)
No. 352	do.	1,215	35	9 4	1916 (64-1)
No. 353	do.	1,215	35	9 4	1916 (64-1)
No. 354	do.	1,215	35	9 4	1916 (64-1)
No. 355	do.	1,215	35	9 4	1916 (64-1)
No. 356	do.	1,215	35	9 4	1916 (64-1)
No. 357	do.	1,215	35	9 4	1916 (64-1)
No. 358	do.	1,215	35	9 4	1916 (64-1)
No. 359	do.	1,215	35	9 4	1916 (64-1)
No. 108 ¹	Submarine (Neff)	1,215	35	9 4	1916 (64-1)
No. 108 ¹	Fleet submarine	1,215	35	9 4	1916 (64-1)

¹ See history of submarine-boat legislation.

Table 13.—VESSELS AUTHORIZED—1883-1916 (ALPHABETICAL)—Continued.

Name.	Type.	Displacement	Speed	Mean	Year and Congress authorized.
		(normal)	on trial.	draft.	
		Tons.	Knots.	Ft. in.	
No. 164 ¹	Fleet submarine				1916 (61-1)
No. 165 ¹	do.				1916 (64-1)
No. 166 ¹	do.				1916 (64-1)
No. 167 ¹	do.				1916 (64-1)
No. 168 ¹	do.				1916 (64-1)
No. 169 ¹	do.				1916 (6-1)
No. 170 ¹	do.				1916 (64-1)
No. 171 ¹	do.				1916 (64-1)
No. 1	Hospital ship	9,800	16	19 6½	1916 (64-1)
No. 22	Gunboat	1,575	12	11 4	1916 (64-1)
No. 17	Fuel ship	14,800	14	26 8	1916 (64-1)
No. 18	do.	14,800	14	26 8	1916 (64-1)
Nos. 40-45	Tugs (since canceled)	1,000	13	14 7	1917 (64-2)
Nos. 48-85	Harbor tugs	215	10	8 9	1917 (64-2)
Nos. 86-101	Motor tugs	54	9.4	5 11	1917 (65-1)
O-1 ¹	Submarine				1915 (63-3)
O-2 ¹	do.				1915 (63-3)
O-3 ¹	do.				1915 (63-3)
O-4 ¹	do.				1915 (63-3)
O-5 ¹	do.				1915 (63-3)
O-6 ¹	do.				1915 (63-3)
O-7 ¹	do.				1915 (63-3)
O-8 ¹	do.				1915 (63-3)
O-9 ¹	do.				1915 (63-3)
O-10 ¹	do.				1915 (63-3)
O-11 ¹	do.				1915 (63-3)
O-12 ¹	do.				1915 (63-3)
O-13 ¹	do.				1915 (63-3)
O-14 ¹	do.				1915 (63-3)
O-15 ¹	do.				1915 (63-3)
O-16 ¹	do.				1915 (63-3)
O'Hannon	Destroyer	1,185	35	9 1½	1917 (64-2)
O'Brien	do.	1,060	29.17	9 6	1912 (62-2)
O'Brien (old)	Torpedo boat	220	25	6 6	1898 (55-2)
Ohio	Battleship	12,500	17.82	23 7	1898 (55-2)
Oklahoma	do.	27,500	20.5	28 6	1911 (61-3)
Olympia	Protected cruiser	5,965	21.69	21 6	1898 (59-1)
Ontario	Tug	1,120	13.23	12 6	1911 (61-3)
Oregon	Battleship	10,258	16.79	24 0	1900 (70-1)
Oriskany	Mine sweeper	950	14	9 9½	1917 (64-2)
Orion	Fuel ship	19,132	14.47	27 8	1917 (65-1)
Oriskany	Mine sweeper	950	14	9 9½	1917 (64-2)
Osprey	do.	950	14	9 9½	1917 (64-2)
Owl	do.	950	14	9 9½	1917 (64-2)
Ozark (formerly Arkansas)	Monitor	3,225	12.03	12 6	1896 (55-2)
Paducah	Gunboat	1,085	12.85	12 3	1902 (57-1)
Palmer	Destroyer	1,185	35	9 1½	1917 (64-2)
Palos ²	River gunboat	150	13.23	2 5	1896 (55-2)
Parker	Destroyer	1,036	29.55	9 5	1911 (61-3)
Patridge	Mine sweeper	950	14	9 9½	1917 (64-2)
Patapsco ²	Tug	755	13	12 3	1904 (58-2)
Patterson	Torpedo-boat destroyer	742	29.69	8 4	1909 (60-2)
Patuxent ²	Tug	755	13	12 3	1904 (58-2)
Paulding	Torpedo-boat destroyer	742	32.90	8 4	1906 (60-1)
Paul Jones	do.	420	28.91	6 6	1896 (55-2)
Pawtucket ²	Tug	225	12.2	8 9	1897 (54-1)
Peacock	Mine sweeper	950	14	9 9½	1917 (65-1)
Pelican	do.	950	14	9 9½	1917 (64-2)
Penacook ²	do.	230	12	9 0	1897 (54-1)
Penguin	do.	950	14	9 9½	1917 (64-2)
Pennsylvania	Battleship	31,400	21.05	28 10	1912 (62-2)
Pentucket ²	Tug	230	12	9 0	1902 (57-1)
Percival	Destroyer	1,215	35	9 4	1917 (65-1)
Perkins	Torpedo-boat destroyer	742	29.76	8 4	1906 (60-1)
Perry	do.	420	28.32	6 6	1896 (55-2)
Petrel	Gunboat	890	11.40	11 6	1885 (49-2)
Philadelphia	Protected cruiser	4,410	19.63	19 6	1887 (49-2)
Philip	Destroyer	1,154	35.5	9 0	1916 (64-1)
Pigeon	Mine sweeper	950	14	9 9½	1917 (65-1)
Pinola	Tug	1,000	13	14 7	1917 (64-2)
Pittsburgher-Pennsylvania	Armored cruiser	13,680	22.44	24 1	1899 (56-3)
Plover	Mine sweeper	950	14	9 9½	1917 (64-2)
Porter	Destroyer	1,090	29.58	9 4½	1913 (62-1)
Porter (old)	Torpedo boat	165	28.63	4 8	1895 (52-3)
Preble	Torpedo-boat destroyer	420	29.03	6 6	1896 (56-2)
Preston	do.	700	28.18	8 0	1906 (60-1)
Princeton	Gunboat	1,010	10.64	12 0	1896 (56-3)
Prometheus ²	Collier	12,585	16	26 0	1904 (58-2)

¹ See history of submarine-boat legislation.² Built in a Government yard.

Table 13.—VESSELS AUTHORIZED—1883—1918 (ALPHABETICAL)—Continued.

Name.	Type.	Displacement (normal).	Speed on trial.	Mean draft.		Year and Congress authorized.
				<i>Tons.</i>	<i>K notr.</i>		Ft.	in.
Proteus.....	Collier.....	19,000	14.67	27	8	1910 (61-2)
Pueblo (ex-Colorado).....	Armored cruiser.....	13,680	22.24	24	1	1900 (56-1)
Puritan (destroyed).....	Monitor.....	6,000	12.4	18	0	1898 (49-1)
Pyro.....	Ammunition ship.....	10,600	16	20	11	1916 (64-1)
Quail.....	Mine sweeper.....	950	14	9	9½	1917 (64-2)
R-1.....	Submarine.....					1916 (64-1)
R-2.....	do.....					1916 (64-1)
R-3.....	do.....					1916 (64-1)
R-4.....	do.....					1916 (64-1)
R-5.....	do.....					1916 (64-1)
R-6.....	do.....					1916 (64-1)
R-7.....	do.....					1916 (64-1)
R-8.....	do.....					1916 (64-1)
R-9.....	do.....					1916 (64-1)
R-10.....	do.....					1916 (64-1)
R-11.....	do.....					1916 (64-1)
R-12.....	do.....					1916 (64-1)
R-13.....	do.....					1916 (64-1)
R-14.....	do.....					1916 (64-1)
R-15.....	do.....					1916 (64-1)
R-16.....	do.....					1916 (64-1)
R-17.....	do.....					1916 (64-1)
R-18.....	do.....					1916 (64-1)
R-19.....	do.....					1916 (64-1)
R-20.....	do.....					1916 (64-1)
R-21.....	do.....					1916 (64-1)
R-22.....	do.....					1916 (64-1)
R-23.....	do.....					1916 (64-1)
R-24.....	do.....					1916 (64-1)
R-25.....	do.....					1916 (64-1)
R-26.....	do.....					1916 (64-1)
R-27.....	do.....					1916 (64-1)
Radford.....	Destroyer.....	1,213	35	9	3½	1917 (64-2)
Rail.....	Mine sweeper.....	950	14	9	9½	1917 (64-2)
Raleigh.....	Protected cruiser.....	2,183	21.12	18	0	1888 (50-1)
Raid.....	Torpedo-boat destroyer.....	700	31.82	8	0	1907 (59-2)
Ramsay.....	Destroyer.....	1,213	35	9	3½	1917 (64-2)
Ranger.....	Battle cruiser.....	35,300	35	31	3½	1916 (64-1)
Rathburne.....	Destroyer.....	1,165	35.2	9	0	1917 (64-2)
Haven.....	Mine sweeper.....	950	14	9	9½	1917 (65-1)
Redwing.....	do.....	950	14	9	9½	1917 (65-1)
Reno.....	Destroyer.....	1,215	35	9	4	1917 (65-1)
Renshaw.....	do.....	1,185	35	9	1½	1917 (64-2)
Rhode Island.....	Battleship.....	14,948	19.01	23	9	1900 (56-1)
Ringgold.....	Destroyer.....	1,185	35	9	1½	1916 (64-1)
Rizal.....	do.....	1,185	35	9	1½	1917 (64-2)
Robin.....	Mine sweeper.....	950	14	9	9½	1917 (64-2)
Robinson.....	Destroyer.....	1,185	34.2	9	1½	1916 (64-1)
Rochester (formerly Saratoga, formerly New York).....	Armored cruiser.....	8,150	21	23	3	1888 (50-1)
Rodgers.....	Destroyer.....	1,185	35	9	1½	1917 (64-2)
Roe.....	Torpedo-boat destroyer.....	742	29.6	8	4	1908 (60-1)
Roper.....	Destroyer.....	1,165	35	9	0	1917 (64-2)
Rowan.....	do.....	1,111	29.5	9	7	1914 (63-2)
Rowan (old).....	Torpedo boat.....	210	27.07	5	11	1895 (53-3)
S-1.....	Submarine.....					1916 (64-1)
S-2.....	do.....					1916 (64-1)
S-3.....	do.....					1916 (64-1)
S-4.....	do.....					1916 (64-1)
S-5.....	do.....					1916 (64-1)
S-6.....	do.....					1916 (64-1)
S-7.....	do.....					1916 (64-1)
S-8.....	do.....					1916 (64-1)
S-9.....	do.....					1916 (64-1)
S-10.....	do.....					1916 (64-1)
S-11.....	do.....					1916 (64-1)
S-12.....	do.....					1916 (64-1)
S-13.....	do.....					1916 (64-1)
S-14.....	do.....					1916 (64-1)
S-15.....	do.....					1916 (64-1)
S-16.....	do.....					1916 (64-1)
S-17.....	do.....					1916 (64-1)
S-18.....	do.....					1916 (64-1)
S-19.....	do.....					1916 (64-1)
S-20.....	do.....					1916 (64-1)
S-21.....	do.....					1916 (64-1)
S-22.....	do.....					1917 (64-2)
S-23.....	do.....					1917 (64-2)

¹ See history of submarine-boat legislation.

² Built in a Government yard.

Table 13.—VESSELS AUTHORIZED—1883—1918 (ALPHABETICAL)—Continued.

Name.	Type.	Displacement	Speed	Mean	Year and Congress authorized.
		(normal).	on trial.	draft.	
		Tons.	Knots.	Ft. in.	
S-24	Submarine				1917 (64-2)
S-25	do				1917 (64-2)
S-26	do				1917 (64-2)
S-27	do				1917 (64-2)
S-28	do				1917 (64-2)
S-29	do				1917 (64-2)
S-30	do				1917 (64-2)
S-31	do				1917 (64-2)
S-32	do				1917 (64-2)
S-33	do				1917 (64-2)
S-34	do				1917 (64-2)
S-35	do				1917 (64-2)
S-36	do				1917 (64-2)
S-37	do				1917 (64-2)
S-38	do				1917 (64-2)
S-39	do				1917 (64-2)
S-40	do				1917 (64-2)
S-41	do				1917 (64-2)
S-42	do				1916 (64-1)
S-43	do				1916 (64-1)
S-44	do				1916 (64-1)
S-45	do				1916 (64-1)
S-46	do				1916 (64-1)
S-47	do				1916 (64-1)
S-48	do				1916 (64-1)
S-49	do				1916 (64-1)
S-50	do				1916 (64-1)
S-51	do				1916 (64-1)
St. Louis	Protected cruiser	9,700	22.13	22 6	1900 (56-1)
Sacramento	Gunboat	1,425	12.78	11 6	1911 (61-3)
Salem	Scout cruiser	3,750	25.95	16 9	1904 (58-2)
Samoset ¹	Tug	225	12	8 9	1895 (53-1)
Sampson	Destroyer	1,130	29.52	9 7	1914 (63-2)
Sanderling	Mine sweeper	950	14	9 9½	1917 (65-1)
San Diego (ex California) lost	Armored cruiser	13,680	22.2	24 1	1899 (55-3)
Sandpiper ¹	Mine sweeper	950	14	9 9½	1917 (65-1)
San Francisco	Protected cruiser	4,063	19.52	18 9	1887 (49-2)
San Marcos (ex Texas)	Second-class battleship	6,315	17.8	22 6	1886 (49-1)
Saratoga	Battle cruiser	35,300	35	31 3½	1916 (64-1)
Satterlee	Destroyer	1,215	35	9 4	1917 (65-1)
S. C. 1 to S. C. 356	Submarine chasers	65	17	5 4	1917 (64-2)
S. C. 357 to S. C. 448	do	65	17	5 4	1917 (65-1)
Schenck	Destroyer	1,211	35	9 4	1917 (64-2)
Schley	do	1,185	35.2	9 1½	1917 (64-2)
Sciota	Tug	1,000	13	14 7	1917 (64-2)
Seagull	Mine sweeper	950	14	9 9½	1917 (64-2)
Seattle (ex Washington)	Armored cruiser	14,500	22.27	25 0	1902 (57-1)
Semmes	Destroyer	1,215	35	9 4	1917 (65-1)
Seyern (formerly Chesapeake)	Training ship	1,175		16 6	1897 (54-2)
Shaw	do	1,110	29.5	9 6	1914 (63-2)
Shrike	Mine sweeper	950	14	9 9½	1917 (65-1)
Shubrick	Destroyer	1,215	35	9 4	1917 (65-1)
Sigourney	do	1,185	34.7	9 1½	1916 (64-1)
Smith	Torpedo-boat destroyer	700	28.35	8 0	1906 (59-1)
Sonoma	Tug	1,120	13.08	12 6	1911 (61-3)
Sotoyoma ¹	do	230	11.1	9 0	1902 (57-1)
Somers	Destroyer	1,215	35	9 4	1917 (65-1)
Southard	do	1,215	35	9 4	1917 (65-1)
South Carolina	Battleship	16,000	18.86	24 6	1905 (58-3)
South Dakota	do	43,200	23	33 0	1916 (64-1)
South Dakota	Armored cruiser	13,680	22.24	24 1	1900 (56-1)
Sproston	Destroyer	1,185	35	9 1½	1917 (64-2)
Stansbury	do	1,185	35	9 1½	1917 (64-2)
Stevens	do	1,185	34.5	9 1½	1916 (64-1)
Stewart	Torpedo-boat destroyer	742	30.37	8 4	1908 (60-1)
Stewart	do	420	29.9	6 6	1898 (55-2)
Stockton (old)	Torpedo boat	200	25.79	5 2	1898 (55-2)
Stockton	Destroyer	1,121			1915 (63-3)
Stoddert	do	1,215	35	9 4	1917 (65-1)
Stirling	do	1,185	35	9 1½	1917 (64-2)
Stringham (old)	Torpedo boat	340	25.33	6 6	1897 (54-2)
Stringham	Destroyer	1,185	34.8	9 1½	1916 (64-1)
Sunnadin	Tug	1,000	13	14 7	1917 (64-2)
Swallow	Mine sweeper	950	14	9 9½	1917 (64-2)
Swan	do	950	14	9 9½	1917 (64-2)
Swasey	Destroyer	1,215	25	9 4	1917 (65-1)
Tacoma	Protected cruiser	3,200	16.58	15 9	1899 (55-3)
Tadousac	Tug	1,000	13	14 7	1917 (64-2)

¹ See history of submarine-boat legislation.¹ Built in a Government yard.

Table 13.—VESSELS AUTHORIZED—1883-1918 (ALPHABETICAL)—Continued.

Name.	Type.	Displacement (normal).		Speed on trial.		Mean draft.		Year and Congress authorized.
		Tons.	Knots.	Ft.	in.			
Talbot (old)	Torpedo boat	46	21.15					1896 (54-1)
Talbot	Destroyer	1,165	35.3	9	0			1917 (64-2)
Talbot, J. Fred	do	1,165	35	9	0			1917 (64-2)
Tallahassee (formerly Florida)	Monitor	3,225	12.4	12	6			1898 (55-2)
Tanager	Mine sweeper	950	14	9	9½			1917 (64-2)
Tarbell	Destroyer	1,165	35	9	0			1917 (64-2)
Tatnuck	Tug	1,000	13	14	7			1917 (64-2)
Tattnall	Destroyer	1,211	35	9	4			1917 (64-2)
Taylor ¹	do	1,154	35	9	0			1916 (64-1)
Teal	Mine sweeper	950	14	9	9½			1917 (64-2)
Tennessee	Battleship	32,300						1915 (63-3)
Tern	Mine sweeper	950	14	9	9½			1917 (64-2)
Terror	Monitor	3,990	10.5	14	8			1886 (49-1)
Terry ¹	Torpedo-boat destroyer	742	30.24	8	4			1908 (60-1)
Texas	Battleship	27,000	21.05	28	6			1910 (61-2)
Thatcher	Destroyer	1,185	35	9	1½			1917 (64-2)
Thomas	do	1,213	35	9	3½			1917 (64-2)
Thompson	do	1,215	35	9	4			1917 (65-1)
Thornon	do	1,215	35	9	4			1917 (65-1)
Thornton (old)	Torpedo boat	200	24.88	5	2			1898 (55-2)
Thrush	Mine sweeper	950	14	9	9½			1917 (64-2)
Tillman ¹	Destroyer	1,154	35	9	0			1917 (64-2)
Tingey	do	1,215	35	9	4			1917 (65-1)
Tonopah (formerly Nevada)	Monitor	3,225	13.04	12	6			1898 (55-2)
Tripp ¹	Torpedo-boat destroyer	742	30.89	8	4			1909 (60-2)
Triton	Tug	212	13	9	0			1889 (50-2)
Truxton	Torpedo-boat destroyer	433	29.58	6	0			1898 (55-2)
Tucker	Destroyer	1,090	29.5	9	4½			1913 (63-1)
Turkey	Mine sweeper	950	14	9	9½			1917 (64-2)
Twiggs	Destroyer	1,211	35	9	4			1917 (64-2)
Umpqua	Tug	1,000	13	14	7			1917 (64-2)
Unadilla	do	355	12	9	11			1894 (53-2)
Upshur	Destroyer	1,165	35	9	0			1917 (64-2)
Utah ¹	Battleship	21,825	21.04	28	6			1908 (60-1)
Vermont	do	16,000	18.33	24	6			1903 (57-2)
Vestal	Collier	12,585	16	26	0			1904 (58-2)
Vesuvius	Dynamite-gun cruiser	930	21.65	10	7			1886 (49-1)
Vicksburg	Gunboat	1,010	12.71	12	0			1895 (53-3)
Vireo ¹	Mine sweeper	950	14	9	9½			1917 (65-1)
Virginia	Battleship	14,948	19.01	23	9			1899 (55-3)
Vulcan	Collier	11,230	12.82	24	8			1906 (60-1)
Wadsworth	Destroyer	1,060	30	9	2½			1913 (63-1)
Wahnetta	Tug	192	11.58	8	0			1889 (50-2)
Wainwright	Destroyer	1,150	29.5	9	8½			1913 (63-1)
Walker ¹	Torpedo-boat destroyer	742	29.78	8	4			1909 (60-2)
Walker	Destroyer	1,185	35	9	1½			1917 (64-2)
Wandank	Tug	1,000	13	14	7			1917 (64-2)
Warbler ¹	Mine sweeper	950	14	9	9½			1917 (65-1)
Ward ¹	Destroyer	1,154	35	9	0			1917 (64-2)
Ward, Aaron	do	1,154	35	9	0			1917 (64-2)
Warrington	do	742	30.12	8	4			1908 (60-1)
Washington	Battleship	32,600	21	30	6½			1916 (64-1)
Waters	Destroyer	1,165	35.2	9	0			1917 (64-2)
Welles	do	1,215	35	9	4			1917 (65-1)
West Virginia	Battleship	32,600	21	30	6½			1916 (64-1)
Wheeling	Gunboat	990	12.88	12	0			1895 (53-3)
Whipple	Torpedo-boat destroyer	433	28.24	6	0			1898 (55-2)
Whippoorwill	Mine sweeper	950	14	9	9½			1917 (64-2)
Whitney	Destroyer tender	10,600	14	21	0½			1916 (64-1)
Wicks	Destroyer	1,154	35.3	9	0			1916 (64-1)
Widgeon	Mine sweeper	950	14	9	9½			1917 (64-2)
Willie ¹	do	950	14	9	9½			1917 (65-1)
Williams	Destroyer	1,185	35	9	2½			1917 (64-2)
Wilkes (old)	Torpedo boat	165	25.99	4	8			1898 (55-2)
Wilkes	Destroyer	1,110	29.5	9	6			1914 (62-2)
Wilmington	Gunboat	1,392	15.08	9	0			1893 (52-3)
Winslow	Destroyer	1,050	29	9	6			1912 (62-2)
Winslow (old)	Torpedo boat	142	24.82	5	9			1894 (53-2)
Wisconsin	Battleship	11,552	17.17	23	6			1896 (54-1)
Woodcock	Mine sweeper	950	14	9	9½			1917 (64-2)
Woolsey	Destroyer	1,154	35	9	0			1916 (64-1)
Worden	Torpedo-boat destroyer	433	29.86	6	0			1898 (55-2)
Wyoming	Battleship	26,000	21.22	28	6			1909 (60-2)
Yarnall	Destroyer	1,165	35	9	0			1917 (64-2)
Yorktown	Gunboat	1,710	16.14	14	0			1885 (48-2)
Total of displacement given		2,730,347						

¹ Built in a Government yard.

Table 14.—VESSELS AUTHORIZED, 1883-1918 (BY YEARS AND SESSIONS).

1883 (47th, 2d).

Names.	Type.	Displacement.	Speed.	Mean draft.	
		Tons.	Knots.	Ft.	In.
Atlanta.....	Protected cruiser.....	3,000	15.60	16	10
Boston.....	do.....	3,000	15.60	17	0
Chicago.....	do.....	4,500	15	19	0
Dolphin.....	Dispatch boat.....	1,486	15.50	14	3
Total of tonnage given.		11,986			

1885 (48th, 2d).

Charleston (destroyed).....	Protected cruiser.....	3,730	18.2	18	7
Newark.....	do.....	4,083	19	18	9
Petrel.....	Gunboat.....	890	11.4	11	6
Yorktown.....	do.....	1,710	16.14	14	0
Total of tonnage given.		10,413			

1886 (49th, 1st).

Amphitrite.....	Monitor.....	3,990	10.5	14	6
Baltimore.....	Protected cruiser.....	4,413	20.1	19	6
Cushing (old).....	Torpedo boat.....	105	22.5	4	10
Maine (destroyed) ¹	Second-class battleship.....	6,682	17.45	21	6
Monadnock.....	Monitor.....	3,990	11.63	14	6
Puritan.....	do.....	6,060	12.4	18	0
Terror.....	do.....	3,990	10.5	14	8
San Marcos (formerly Texas) ¹	Second-class battleship.....	6,315	17.8	22	6
Vesuvius.....	Dynamite-gun cruiser.....	930	21.65	10	7
Total of tonnage given.		36,475			

1887 (49th, 2d).

Bennington.....	Gunboat.....	1,710	17.5	14	0
Concord.....	do.....	1,710	16.8	14	0
Missionomah.....	Monitor.....	3,990	10.5	14	6
Monterey.....	do.....	4,084	13.6	14	10
Philadelphia.....	Protected cruiser.....	4,410	19.65	19	6
San Francisco.....	do.....	4,063	19.52	18	9
Total of tonnage given.		19,937			

1888 (50th, 1st).

Bancroft.....	Gunboat.....	839	14.37	12	2
Cincinnati ¹	Protected cruiser.....	3,183	19	18	0
Detroit.....	Unprotected cruiser.....	2,072	18.71	14	6
Marblehead.....	do.....	2,072	18.44	14	6
Montgomery.....	do.....	2,072	19.06	14	6
Olympia.....	Protected cruiser.....	5,865	21.69	21	6
Raleigh ¹	do.....	3,183	21.12	18	0
Saratoga (formerly New York).....	Armored cruiser.....	8,150	21	22	3
Total of tonnage given.		27,436			

1889 (50th, 2d).

Castine.....	Gunboat.....	1,177	16.03	12	0
Iwana.....	Tug.....	192	11.58	8	0
Katahdin.....	Ram.....	2,183	16.11	15	0
Maohias.....	Gunboat.....	1,177	15.46	12	0
Narkeeta.....	Tug.....	192	11.50	8	0
Triton.....	do.....	212	13	9	0
Wahnetta.....	do.....	192	11.58	8	0
Total of tonnage given.		5,325			

¹ Built in Government yard.

Table 14.—VESSELS AUTHORIZED, 1888-1918 (BY YEARS AND SESSIONS)—
Continued.

1890 (51st, 1st).

Names.	Type.	Displacement.	Speed.	Mean draft.	
		Tons.	Knots.	Ft.	in.
Columbia.....	Protected cruiser.....	7,350	22.8	22	6
Ericsson (old).....	Torpedo boat.....	120	24	4	9
Indiana.....	First-class battleship.....	10,288	15.55	24	0
Massachusetts.....	do.....	10,288	16.21	24	0
Oregon.....	do.....	10,288	16.79	24	0
Total of tonnage given.	38,334

1891 (51st, 2d).

Minneapolis.....	Protected cruiser.....	7,350	23.07	22	6
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1892 (52d, 1st).

Brooklyn.....	Armored cruiser.....	9,215	21.91	24	0
Iowa.....	First-class battleship.....	11,346	17.09	24	0
Total of tonnage given.	.....	20,561	.....	.....	.....

1893 (52d, 2d).

A-1 (formerly Plunger). ¹	Submarine torpedo boat.....	.....	.....	.....	.....
Helena.....	Gunboat.....	1,392	15.50	9	0
Nashville.....	do.....	1,371	16.30	11	0
Wilmington.....	do.....	1,392	15.08	9	0
Total of tonnage given.	.....	4,155	.....	.....	.....

1894 (53d, 2d).

Foote.....	Torpedo boat.....	142	24.53	5	0
Rodgers.....	do.....	142	24.49	5	0
Unadilla.....	Tug.....	355	12	9	11
Winslow (old).....	Torpedo boat.....	142	24.82	5	9
Total of tonnage given.	.....	781	.....	.....	.....

1895 (53d, 3d).

Annapolis.....	Gunboat.....	1,010	13.17	12	0
Dupont.....	Torpedo boat.....	165	28.58	4	8
Kearsarge.....	First-class battleship.....	11,520	16.82	23	6
Kentucky.....	do.....	11,520	16.90	23	6
Marietta.....	Gunboat.....	990	13.02	12	0
Newport.....	do.....	1,010	12.29	12	0
Porter (old).....	Torpedo boat.....	165	28.63	4	8
Princeton.....	Gunboat.....	1,010	10.64	12	0
Bowen (old).....	Torpedo boat.....	210	27.07	5	11
Samset.....	Tug.....	225	12	8	9
Vicksburg.....	Gunboat.....	1,010	12.71	12	0
Wheeling.....	do.....	990	12.88	12	0
Total of tonnage given.	.....	29,825	.....	.....	.....

¹ See history submarine-boat legislation, following this table.

Table 14.—VESSELS AUTHORIZED, 1883-1918 (BY YEARS AND SESSIONS)—Continued.

1886 (54th, 1st).

Names.	Type.	Displacement.	Speed.	Mean draft.	
		Tons.	Knots.	Ft.	In.
Alabama.....	First-class battleship.....	11,552	17.01	23	6
Craven (old).....	Torpedo boat.....	146	30	4	7
Dahlgren.....	do.....	146	30	4	7
Davis.....	do.....	154	23.41	5	10
Farragut.....	do.....	279	30.13	6	0
Fox.....	do.....	154	23.13	5	10
Gwin (old).....	do.....	46	20.88	3	3
Illinois.....	First-class battleship.....	11,552	17.45	23	6
McKee.....	Torpedo boat.....	65	19.83	4	3
Mackenzie.....	do.....	65	20.11	4	3
Morris.....	do.....	105	24	4	1
Pawtucket.....	Tug.....	225	12.2	8	9
Penacook.....	do.....	230	12	9	0
Talbot.....	Torpedo boat.....	46	21.15	3	3
Wisconsin.....	First-class battleship.....	11,552	17.17	23	6
Total of tonnage given.....	.....	36,317	.....	.....	.....

1897 (54th, 2d).

Bailey.....	Torpedo boat.....	280	30.20	6	10
Goldsborough.....	do.....	255	27.4	6	10
Seyern (formerly Chesapeake).....	Training ship.....	1,175	.....	16	6
Stringham.....	Torpedo boat.....	340	25.33	6	6
Total of tonnage given.....	.....	2,050	.....	.....	.....

1893 (55th, 2d).

Bagley.....	Torpedo boat.....	175	29.15	4	11
Bainbridge.....	Torpedo-boat destroyer.....	420	28.45	6	6
Barney.....	Torpedo boat.....	175	29.04	4	11
Barry.....	Torpedo-boat destroyer.....	420	28.13	6	6
Biddle.....	Torpedo boat.....	175	28.57	4	11
Blakely.....	do.....	196	25.58	5	11
Chauncey.....	Torpedo-boat destroyer.....	420	28.64	6	6
Cheyenne (formerly Wyoming).....	Monitor.....	3,225	11.90	12	6
Dale.....	Torpedo-boat destroyer.....	420	28	6	6
Decatur.....	do.....	420	28.10	6	6
De Long.....	Torpedo boat.....	196	25.52	5	11
Hopkins.....	Torpedo-boat destroyer.....	408	29.02	6	0
Hull.....	do.....	408	28.94	6	0
Lawrence.....	do.....	400	28.41	6	2
Macdonough.....	do.....	400	28.03	6	2
Maine.....	First-class battleship.....	12,500	18	23	11
Missouri.....	do.....	12,500	18.15	23	11
Nicholson (old).....	Torpedo boat.....	218	25.74	6	5
O'Brien (old).....	do.....	220	25	6	6
Ohio.....	First-class battleship.....	12,500	17.82	23	7
Ozark (formerly Arkansas).....	Monitor.....	3,225	12.3	12	6
Palos ¹	Gunboat.....	190	13.25	2	5
Paul Jones.....	Torpedo-boat destroyer.....	420	28.91	6	6
Perry.....	do.....	420	28.32	6	6
Preble.....	do.....	420	28.03	6	6
Shubrick.....	Torpedo boat.....	200	26.07	5	2
Stewart.....	Torpedo-boat destroyer.....	420	29.69	6	6
Stockton.....	Torpedo boat.....	200	25.79	5	2
Tallahassee (formerly Florida).....	Monitor.....	3,225	12.4	12	6
Thornton.....	Torpedo boat.....	200	24.88	5	2
Tingey.....	do.....	165	24.94	4	8
Tonopah (formerly Nevada).....	Monitor.....	3,225	13.4	12	6
Truxton.....	Torpedo-boat destroyer.....	433	29.58	6	0
Whipple.....	do.....	433	28.21	6	0
Wilkes.....	Torpedo boat.....	165	25.99	4	8
Worden.....	Torpedo-boat destroyer.....	433	29.46	6	0
Total of tonnage given.....	.....	59,570	.....	.....	.....

¹ Construction not begun until 1912.

Table 14.—VESSELS AUTHORIZED, 1883-1918 (BY YEARS AND SESSIONS)—
Continued.

1899 (55th, 3d).

Names.	Type.	Displacement.	Speed.	Mean draft.
		<i>Tons.</i>	<i>Knots.</i>	<i>Ft. in.</i>
San Diego ¹	Armored cruiser.....	13,680	22.2	24 1
Chattanooga.....	Protected cruiser.....	3,200	16.65	15 9
Cleveland.....	do.....	3,200	16.45	15 9
Denver.....	do.....	3,200	16.75	15 9
Des Moines.....	do.....	3,200	16.65	15 9
Galveston.....	do.....	3,200	16.41	15 9
Georgia.....	First-class battleship.....	14,948	19.26	23 9
Nebraska.....	do.....	14,948	19.06	23 9
Pittsburgh ²	Armored cruiser.....	13,680	22.44	24 1
Tacoma.....	Protected cruiser.....	3,200	16.58	15 9
Virginia.....	First-class battleship.....	14,948	19.01	23 9
West Virginia.....	Armored cruiser.....	13,680	22.15	24 1
Total of tonnage given.		105,084		

1900 (56th, 1st).

Charleston.....	Protected cruiser.....	9,700	22.04	22 6
Colorado.....	Armored cruiser.....	13,680	22.24	24 1
Maryland.....	do.....	13,680	22.41	24 1
Milwaukee.....	Protected cruiser.....	9,700	22.22	22 6
New Jersey.....	First-class battleship.....	14,948	19.18	23 9
Rhode Island.....	do.....	14,948	19.01	23 9
St. Louis.....	Protected cruiser.....	9,700	22.13	22 6
South Dakota.....	Armored cruiser.....	13,680	22.24	24 1
A-2 (formerly Adder) ³	Submarine torpedo boat.....			
A-3 (formerly Grampus) ³	do.....			
A-4 (formerly Moccasin) ³	do.....			
A-5 (formerly Pike) ⁴	do.....			
A-6 (formerly Porpoise) ³	do.....			
A-7 (formerly Shark) ³	do.....			
Holland ³	do.....			
Total of tonnage given.		100,086		

1902 (57th, 1st).

Connecticut ³	First-class battleship.....	16,000	18.78	24 6
Dubuque.....	Gunboat.....	1,085	12.90	12 3
Louisiana.....	First-class battleship.....	16,000	18.82	24 6
Paducah.....	Gunboat.....	1,085	12.85	12 3
Pentucket.....	Tug.....	230	12	9 0
Sotoyoma.....	do.....	230	11.10	9 0
Memphis.....	Armored cruiser.....	14,500	22.16	25 0
Washington.....	do.....	14,500	22.27	25 0
Total of tonnage given.		63,630		

1903 (57th, 2d).

Cumberland ³	Training ship.....	1,800		16 5
Idaho.....	First-class battleship.....	13,000	17.12	24 8
Intrepid.....	Training ship.....	1,800		13 5
Kansas.....	First-class battleship.....	16,000	18.09	24 6
Minnesota.....	do.....	16,000	18.85	24 6
Mississippi.....	do.....	13,000	17.11	24 8
Vermont.....	do.....	16,000	18.33	24 6
Total of tonnage given.		77,600		

¹ Formerly the California.² Formerly the Pennsylvania.³ Built in Government yard.⁴ Construction not begun until 1912.

Table 14.—VESSELS AUTHORIZED, 1883-1916 (BY YEARS AND SESSIONS)—
Continued.

1904 (58th, 2d).

Names.	Type.	Displacement.	Speed.	Mean draft.	
		<i>Tons.</i>	<i>Knots.</i>	<i>Ft.</i>	<i>in.</i>
Birmingham.....	Scout cruiser.....	3,750	24.33	16	9
Chester.....	do.....	3,750	26.52	16	9
Montana.....	Armored cruiser.....	14,500	22.26	25	0
New Hampshire.....	First-class battleship.....	16,000	18.16	24	6
North Carolina.....	Armored cruiser.....	14,500	22.48	25	0
Patasco.....	Tug.....	755	13	12	3
Patuxent.....	do.....	755	13	12	3
Prometheus.....	Collier.....	12,585	16	26	0
Salem.....	Scout cruiser.....	3,750	25.95	16	9
Vestal.....	Collier.....	12,585	16	26	0
B-1 (formerly Viper) ¹	Submarine torpedo boat.....				
B-2 (formerly Cuttlefish). ¹	do.....				
B-3 (formerly Tarantula). ¹	do.....				
C-1 (formerly Octopus). ¹	do.....				
Total of tonnage given.....		82,930			

1905 (58th, 3d).

Michigan.....	First-class battleship.....	16,000	18.79	24	0
South Carolina.....	do.....	16,000	18.86	24	6
Total of tonnage given.....		32,000			

1906 (59th, 1st).

Delaware.....	First-class battleship.....	20,000	21.56	26	11
Lamson ²	Torpedo-boat destroyer.....	700	28.61	8	0
Preston ²	do.....	700	29.18	8	0
Smith ²	do.....	700	28.35	8	0
C-2 (formerly Stingray). ³	Submarine or subsurface torpedo boats (not exceeding \$1,000,000; ⁴ \$500,000 appropriated).				
C-3 (formerly Taron). ³					
C-4 (formerly Bonita). ³					
C-5 (formerly Snapper). ³					
D-1 (formerly Narwhal). ³					
D-2 (formerly Grayling). ³					
D-3 (formerly Salmon). ³					
G-1 (formerly Seal). ³					
Total of tonnage given.....		22,100			

1907 (59th, 2d).

Flusser.....	Torpedo-boat destroyer.....	700	30.41	8	0
North Dakota.....	First-class battleship.....	20,000	21.01	26	11
Reid.....	Torpedo-boat destroyer.....	700	31.82	8	0
Total of tonnage given.....	Limit of contract for submarine and subsurface torpedo boats, act June 20, 1906, increased to \$2,000,000; \$500,000 appropriated.	21,400			

¹ See history submarine-boat legislation, following this table.² Limit of cost increased from \$750,000 to \$800,000, act Mar. 2, 1907.³ See history submarine-boat legislation, following this table.⁴ Limit of cost increased to \$3,000,000, act Mar. 2, 1907

Table 14.—VESSELS AUTHORIZED, 1883-1918 (BY YEARS AND SESSIONS)—Continued.

1908 (60th, 1st).

Names.	Type.	Displacement.	Speed.	Mean draft.	
		Tons.	Knots.	Ft.	in.
Burrows.....	Torpedo-boat destroyer.....	742	30.67	8	4
Cyclops.....	Collier.....	19,380	14	27	8
Drayton.....	Torpedo-boat destroyer.....	742	30.83	8	4
Florida ¹	First-class battleship.....	21,825	20.75	28	6
Hector.....	Collier.....	11,230	12.87	24	8
Jupiter.....	Collier (amended 1910, 6i-2).....	19,380			
McCall.....	Torpedo-boat destroyer.....	742	30.66	8	4
Mars.....	Collier.....	11,230	12.65	24	8
Mayrant.....	Torpedo-boat destroyer.....	742	30.22	8	4
Paulding.....	do.....	742	30.80	8	4
Perkins.....	do.....	742	29.76	8	4
Roe.....	do.....	742	29.6	8	4
Sterett.....	do.....	742	30.37	8	4
Terry.....	do.....	742	30.24	8	4
Utah.....	First-class battleship.....	21,825	21.09	28	6
Vulcan.....	Collier.....	11,230	12.82	24	8
Warrington.....	Torpedo-boat destroyer.....	742	30.12	8	4
E-1 (formerly Skipjack). ²	Submarine torpedo boats. Limit of contract, \$3,500,000. Appropriation made of \$3,000,000 for these boats and for completion of submarine boats heretofore authorized.				
E-2 (formerly Sturgeon). ²					
F-1 (formerly Carp). ²					
F-2 (formerly Barracuda). ²					
F-3 (formerly Pickerel). ²					
F-4 (formerly Skate). ²					
G-2 (formerly Tuna). ²					
G-4 (formerly Thrasher). ²					
Total of tonnage given.....		123,480			

1909 (60th, 2d).

Ammen.....	Torpedo-boat destroyer.....	742	30.48	8	4
Arkansas.....	First-class battleship.....	26,000	21.05	28	6
Monaghan.....	Torpedo-boat destroyer.....	742	30.45	8	4
Patterson.....	do.....	742	29.69	8	4
Trippe.....	do.....	742	30.89	8	4
Walke.....	do.....	742	29.78	8	4
Wyoming.....	First-class battleship.....	26,000	21.65	28	6
Neptune.....	Collier.....	19,375	12.98	27	7
G-3 (formerly Turbot). ²	Submarine torpedo boats. Limit of contract, \$2,000,000. Appropriation made of \$3,000,000 for these boats and for completion of submarine boats heretofore authorized.				
H-1 (formerly Seawolf). ²					
H-2 (formerly Nautilus). ²					
H-3 (formerly Garfish). ²					
No. 1 ³	Torpedo-boat destroyer (subsurface).....				
No. 2 ³	do.....				
No. 3 ³	do.....				
Total of tonnage given.....		75,085			

¹ Built in Government yard.² See history submarine-boat legislation, following this table.³ Never constructed. Conditions not complied with.

Table 14.—VESSELS AUTHORIZED, 1883-1918 (BY YEARS AND SESSIONS)—Continued.

1910 (61st, 2d).

Names.	Type.	Displacement.		Speed.		Mean draft.	
		Tons.	Knots.	Ft.	in.		
New York.....	First-class battleship.....	27,000	21.0	28	6		
Texas.....	do.....	27,000	21.05	28	6		
Beale.....	Torpedo-boat destroyer.....	742	29.65	8	4		
Fanning.....	do.....	742	29.99	8	4		
Henley.....	do.....	742	30.32	8	4		
Jarvis.....	do.....	742	30.01	8	4		
Jenkins.....	do.....	742	31.27	8	4		
Jouett.....	do.....	742	32.27	8	4		
	1 Torpedo-boat destroyer (subsurface). Appropriation of \$445,000 upon condition of compliance with terms of naval appropriation act of Mar. 3, 1909. ¹						
K-1 (formerly Had-dock). ¹	4 submarine torpedo boats. Limit of contract, \$2,000,000. Appropriation made of \$800,000.						
K-2 (formerly Cachalot). ¹							
K-3 (formerly Orca). ¹							
K-4 (formerly Walrus). ¹							
Proteus.....	Collier.....	19,000	14.67	27	8		
Nereus.....	do.....	19,000	14.58	27	8		
	Fleet collier (to be built on Pacific coast) provided for in act May 13, 1908, p. 619. Limit of cost increased to \$1,000,000.						
Total of tonnage given.		96,452					

1911 (61st, 3d).

Nevada.....	First-class battleship.....	27,500	20.5	28	6		
Oklahoma.....	do.....	27,500	20.5	28	6		
Jason.....	Collier.....	19,132	14.32	27	8		
Orion.....	do.....	19,132	14.47	27	8		
Aylwin.....	Torpedo-boat destroyer.....	1,036	29.60	9	5		
Balch.....	do.....	1,036	29.62	9	5		
Benham.....	do.....	1,036	29.0	9	5		
Cassin.....	do.....	1,020	30.14	9	3		
Cummings.....	do.....	1,020	30.57	9	3		
Downes.....	do.....	1,072	29.0	9	7		
Duncan.....	do.....	1,014	29.14	9	3		
Parker.....	do.....	1,036	29.55	9	5		
K-5 (formerly No.36). ¹	4 submarine torpedo boats. Limit of contract, \$2,000,000. Appropriation made of \$800,000.						
K-6 (formerly No.37). ¹							
K-7 (formerly No.38). ¹							
K-8 (formerly No.39). ¹							
Fulton.....	Submarine tender.....	1,408	12.25	13	0		
Sonoma.....	Tug.....	1,120	13.06	12	6		
Ontario.....	do.....	1,120	13.23	12	6		
Monocacy.....	River gunboat.....	190	13.25	2	5		
Sacramento.....	Gunboat.....	1,425	12.78	11	6		
Total of tonnage given.		106,797					

¹ See history of submarine-boat legislation.² Formerly the Niagara.

Table 14.—VESSELS AUTHORIZED, 1883-1918 (BY YEARS AND SESSIONS)—
Continued.
1912 (62d, 2d).

Names.	Type.	Displacement.	Speed.	Mean draft.
		<i>Tons.</i>	<i>Knots.</i>	<i>Fl. in.</i>
Pennsylvania.....	Battleship.....	31,400	21.08	28 10
Kanawha.....	Fuel ship.....	14,500	14.0	26 2
Maumee.....	do.....	14,500	14.0	26 2
O'Brien.....	Destroyer.....	1,050	29.17	9 6
Nicholson.....	do.....	1,050	29.68	9 6
Winslow.....	do.....	1,050	29.05	9 6
McDougal.....	do.....	1,020	30.0	9 3
Cushing.....	do.....	1,050	29.18	9 6
Ericsson.....	do.....	1,090	29.29	9 9
Melville.....	Destroyer tender.....	7,150	15.09	20 0
Bushnell.....	Submarine tender.....	3,580	14.15	15 0
L-1.....	8 submarine torpedo boats. Limit of contract, \$4,480,000. Appropriation made of \$1,600,000.			
L-2.....				
L-3.....				
L-4.....				
L-5.....				
L-6.....				
L-7.....				
M-1.....				
Total of tonnage given.....		77,440		

1913 (63d, 1st).

Arizona.....	Battleship.....	31,400	21.0	28 10
Tucker.....	Destroyer.....	1,090	29.56	9 4½
Conyngham.....	do.....	1,090	29.63	9 4½
Porter.....	do.....	1,090	29.58	9 4½
Wadsworth.....	do.....	1,060	30.67	9 2½
Jacob Jones.....	do.....	1,150	29.57	9 8½
Wainwright.....	do.....	1,150	29.67	9 8½
L-8.....	4 submarine torpedo boats. Limit of contract, \$2,478,936. Appropriation made of \$1,294,912.			
L-9.....				
L-10.....				
L-11.....				
Henderson.....	Transport.....	10,000	14.0	19 10½
Bridge.....	Supply ship.....	8,500	14.0	20 8
Total of tonnage given.....		56,530		

1914 (63d, 2d).

New Mexico.....	Battleship, first line.....	32,000	21.0	30 0
Mississippi.....	do.....	32,000	21.0	30 0
Idaho.....	do.....	32,000	21.0	30 0
Sampson.....	Destroyer.....	1,111	29.5	9 6
Rowan.....	do.....	1,111	29.5	9 6
Davis.....	do.....	1,071	30.3	9 2½
Allen.....	do.....	1,071	30.0	9 2½
Wilkes.....	do.....	1,110	29.5	9 5½
Shaw.....	do.....	1,110	29.5	9 5½
Schley.....	8 or more submarine torpedo boats. Limit of contract, \$4,460,000. Appropriation made of \$1,825,000.			
N-1.....				
N-2.....				
N-3.....				
N-4.....				
N-5.....				
N-6.....				
N-7.....				
Total of tonnage given.....		102,584		

Table 14.—VESSELS AUTHORIZED, 1889-1918 (BY YEARS AND SESSIONS)—
Continued.

1915 (63d, 3d).

Names.	Type.	Displacement.	Speed.	Mean draft.	
		Tons.	Knots.	Ft.	in.
Tennessee.....	Battleship.....	32,300	20.5	30	0
California.....	do.....	32,300	20.5	30	0
Caldwell.....	Destroyer.....	1,125	32.0	8	0½
Craven.....	do.....	1,125	32.0	8	0½
Gwin.....	do.....	1,125	30.0	8	0½
Conner.....	do.....	1,125	30.0	8	0½
Stockton.....	do.....	1,125	30.0	8	0½
Manley.....	do.....	1,125	32.0	8	0½
No. 60.....	2 submarines to be of seagoing type. Limit of contract, \$1,500,000 each.				
No. 61.....					
O-1.....					
O-2.....					
O-3.....					
O-4.....					
O-5.....					
O-6.....					
O-7.....	16 submarines. Limit of contract, \$550,000 each. Appropriation made of \$4,000,000.				
O-8.....					
O-9.....					
O-10.....					
O-11.....					
O-12.....					
O-13.....					
O-14.....					
O-15.....					
O-16.....					
Cuyama.....	Fuel ship.....	14,500	14.0	26	2
Total of tonnage given.		85,850			

1916 (64th, 1st).

Colorado.....	Battleship.....	32,600	21	30	6
Maryland.....	do.....	32,600	21	30	6
Washington.....	do.....	32,600	21	30	6
West Virginia.....	do.....	32,600	21	30	6
Constellation.....	Battle cruiser.....	35,300	35	31	24
Lexington.....	do.....	35,300	35	31	3½
Ranger.....	do.....	35,300	35	31	3½
Saratoga.....	do.....	35,300	35	31	3½
No. 4.....	Scout cruiser.....	7,100	35	13	6
No. 5.....	do.....	7,100	35	13	6
No. 6.....	do.....	7,100	35	13	6
No. 7.....	do.....	7,100	35	13	6
Wickes.....	Torpedo-boat destroyer.....	1,154	35	9	0
Phillip.....	do.....	1,154	35	9	0
Woolsey.....	do.....	1,154	35	9	0
Evans.....	do.....	1,154	35	9	0
Little.....	do.....	1,185	35	9	1½
Kimberly.....	do.....	1,185	35	9	1½
Sigourney.....	do.....	1,185	35	9	1½
Gregory.....	do.....	1,185	35	9	1½
Stringham.....	do.....	1,185	35	9	1½
Dyer.....	do.....	1,185	35	9	1½
Colhouan.....	do.....	1,185	35	9	1½
Stevens.....	do.....	1,185	35	9	1½
McKee.....	do.....	1,185	35	9	1½
Robinson.....	do.....	1,185	35	9	1½
Ringgold.....	do.....	1,185	35	9	1½
McKean.....	do.....	1,185	35	9	1½
Harding.....	do.....	1,185	35	9	1½
Gridley.....	do.....	1,185	35	9	1½
Fairfax.....	do.....	1,184	35	9	0
Taylor.....	do.....	1,154	35	9	0
Nos. 78-107.....	30 coast submarines, 3 not to exceed \$1,200,000 each; 27 not to exceed \$700,000 each; appropriation made of \$8,217,000.				
No. 108.....	Neft system of propulsion, submarine.				
Brasos.....	Fuel ship.....	14,800	14	26	8
No. 1.....	Hospital ship.....	9,800	16	19	6½
Asheville.....	Gunboat.....	1,575	12	11	4
Pyro.....	Ammunition ship.....	10,600	16	20	11

¹ Approximate.

Table 14.—VESSELS AUTHORIZED, 1883-1916 (BY YEARS AND SESSIONS)—Continued.

1916 (64th, 1st)—ships authorized, but not appropriated for until a subsequent date.

Names.	Type.	Displacement.	Speed.	Mean draft.
		<i>Tons.</i>	<i>Knots.</i>	<i>Fl. ft.</i>
South Dakota.....	Battleship.....	43,200	23	33
No. 52.....	do.....	43,200	23	33
Montana.....	do.....	43,200	23	33
North Carolina.....	do.....	43,200	23	33
No. 53.....	do.....	43,200	23	33
No. 54.....	do.....	43,200	23	33
Constitution.....	Battle cruiser.....	35,300	35	13
No. 6.....	do.....	35,300	35	13
Bell.....	Torpedo-boat destroyer.....	1,185	35	9
Stirling.....	do.....	1,185	35	9
Murray.....	do.....	1,185	35	9
Israel.....	do.....	1,185	35	9
Luce.....	do.....	1,185	35	9
Maury.....	do.....	1,185	35	9
Lansdale.....	do.....	1,185	35	9
Mahan.....	do.....	1,185	35	9
Schley.....	do.....	1,185	35	9
Champlin.....	do.....	1,185	35	9
Mugford.....	do.....	1,185	35	9
Chew.....	do.....	1,185	35	9
Hazelwood.....	do.....	1,185	35	9
Williams.....	do.....	1,185	35	9
Crane.....	do.....	1,185	35	9
No. 345.....	do.....	1,215	35	9
No. 346.....	do.....	1,215	35	9
No. 347.....	do.....	1,215	35	9
No. 348.....	do.....	1,215	35	9
No. 349.....	do.....	1,215	35	9
No. 350.....	do.....	1,215	35	9
No. 351.....	do.....	1,215	35	9
No. 352.....	do.....	1,215	35	9
No. 353.....	do.....	1,215	35	9
No. 354.....	do.....	1,215	35	9
No. 355.....	do.....	1,215	35	9
No. 356.....	do.....	1,215	35	9
No. 357.....	do.....	1,215	35	9
No. 358.....	do.....	1,215	35	9
No. 359.....	do.....	1,215	35	9
S-4 to S-21, inclusive.....	Coast submarines.....			
Nos. 153 to 162.....	do.....			
Nos. 1 to 9 ¹	Fleet submarines.....			
No. 17.....	Fuel ship.....	14,800	14	26
No. 18.....	do.....	14,800	14	26
Medusa.....	Repair ship.....	10,000	16	11
Heywood.....	Transport.....	10,300	14	19
Dobbin.....	Destroyer tender.....	10,600	14	21
Whitney.....	do.....	10,600	14	21
Holland.....	Fleet submarine tender.....	10,600	14	21
Nitro.....	Ammunition ship.....	10,600	16	20
No. 22.....	Gunboat.....	1,575	12	11
Total of tonnage given.....		819,964		

¹ Assigned Nos. 163-171, inclusive, at a later date.

Table 14.—VESSELS AUTHORIZED, 1883-1918 (BY YEARS AND SESSIONS)—
Continued.

1917 (64th, 2d).

[All except the 29 submarines were from emergency fund.]

Names.	Type.	Displace-	Speed.	Mean
		ment.		draft.
		Tons.	Knots.	Ft. in.
S-22.....	Coast submarine.....			
S-23.....	do.....			
S-24.....	do.....			
S-25.....	do.....			
S-26.....	do.....			
S-27.....	do.....			
S-28.....	do.....			
S-29.....	do.....			
S-30.....	do.....			
S-31.....	do.....			
S-32.....	do.....			
S-33.....	do.....			
S-34.....	do.....			
S-35.....	do.....			
S-36.....	do.....			
S-37.....	do.....			
S-38.....	do.....			
S-39.....	do.....			
S-40.....	do.....			
S-41.....	do.....			
Hart.....	Torpedo boat destroyer.....	1,185	35	9 1½
Ingraham.....	do.....	1,185	35	9 1½
Ludlow.....	do.....	1,185	35	9 1½
Rathburne.....	do.....	1,165	35	9 0
Talbot.....	do.....	1,165	35	9 0
Waters.....	do.....	1,165	35	9 0
Dent.....	do.....	1,165	35	9 0
Dorsey.....	do.....	1,165	35	9 0
Lea.....	do.....	1,165	35	9 3½
Lamberton.....	do.....	1,213	35	9 3½
Radford.....	do.....	1,213	35	9 3½
Montgomery.....	do.....	1,213	35	9 3½
Breese.....	do.....	1,213	35	9 3½
Gamble.....	do.....	1,213	35	9 3½
Ramsay.....	do.....	1,213	35	9 3½
Tattnall.....	do.....	1,211	35	9 4
Badger.....	do.....	1,211	35	9 4
Twigg.....	do.....	1,211	35	9 4
Babbitt.....	do.....	1,211	35	9 4
De Long.....	do.....	1,211	35	9 4
Jacob Jones.....	do.....	1,211	35	9 4
Buchanan.....	do.....	1,154	35	9 0
Aaron Ward.....	do.....	1,154	35	9 0
Hale.....	do.....	1,154	35	9 0
Crowinshield.....	do.....	1,154	35	9 0
Tillman.....	do.....	1,154	35	9 0
Boggs.....	do.....	1,154	35	9 0
Klity.....	do.....	1,154	35	9 0
Kennison.....	do.....	1,154	35	9 0
Ward.....	do.....	1,154	35	9 0
Claxton.....	do.....	1,154	35	9 0
Hamilton.....	do.....	1,154	35	9 0
Tarbell.....	do.....	1,185	35	9 0
Yarnall.....	do.....	1,165	35	9 0
Upshur.....	do.....	1,185	35	9 0
Greer.....	do.....	1,165	35	9 0
Elliot.....	do.....	1,185	35	9 0
Roper.....	do.....	1,165	35	9 0
Breckenridge.....	do.....	1,165	35	9 0
Barney.....	do.....	1,165	35	9 0
Blakeley.....	do.....	1,165	35	9 0
Biddle.....	do.....	1,165	35	9 0
Dupont.....	do.....	1,165	35	9 0
Bernadou.....	do.....	1,165	35	9 0
Ellis.....	do.....	1,165	35	9 0
Cole.....	do.....	1,165	35	9 0
Talbott, J. Fred.....	do.....	1,165	35	9 0
Dickerson.....	do.....	1,211	35	9 4
Leary.....	do.....	1,211	35	9 4
Schenck.....	do.....	1,211	35	9 4
Herbert.....	do.....	1,211	35	9 4
Palmer.....	do.....	1,185	35	9 1½
Thatcher.....	do.....	1,185	35	9 1½
Walker.....	do.....	1,185	35	9 1½
Crosby.....	do.....	1,185	35	9 1½
Meredith.....	do.....	1,185	35	9 1½
Bush.....	do.....	1,185	35	9 1½

Table 14.—VESSELS AUTHORIZED, 1883-1918 (BY YEARS AND SESSIONS)—Continued.

1917 (64th, 2d)—Continued.

Names.	Type.	Displacement.	Speed.	Mean draft.	
		Tons.	Knots.	Ft.	in.
Cowell.....	Torpedo boat destroyer.....	1,185	35	9	12
Maddox.....	do.....	1,185	35	9	12
Foote.....	do.....	1,185	35	9	12
Rodgers.....	do.....	1,185	35	9	12
Burns.....	do.....	1,185	35	9	12
Anthony.....	do.....	1,185	35	9	12
Sproston.....	do.....	1,185	35	9	12
Rizal.....	do.....	1,185	35	9	12
Mac Kenzie.....	do.....	1,185	35	9	12
Renshaw.....	do.....	1,185	35	9	12
O'Bannon.....	do.....	1,185	35	9	12
Hogan.....	do.....	1,185	35	9	12
Howard.....	do.....	1,185	35	9	12
Stansbury.....	do.....	1,185	35	9	12
Hopewell.....	do.....	1,213	35	9	23
Thomas.....	do.....	1,213	35	9	23
Haraden.....	do.....	1,213	35	9	23
Abbot.....	do.....	1,213	35	9	23
Bagley.....	do.....	1,213	35	9	23
Nos. 1-356.....	Submarine chasers.....	177	18	5	5
Lapwing.....	Mine sweeper.....	950	14	9	9
Owl.....	do.....	950	14	9	9
Robin.....	do.....	950	14	9	9
Swallow.....	do.....	950	14	9	9
Tanager.....	do.....	950	14	9	9
Cardinal.....	do.....	950	14	9	9
Oriole.....	do.....	950	14	9	9
Curlew.....	do.....	950	14	9	9
Finch.....	do.....	950	14	9	9
Heron.....	do.....	950	14	9	9
Condor ¹	do.....	950	14	9	9
Plover ¹	do.....	950	14	9	9
Turkey.....	do.....	950	14	9	9
Woodcock.....	do.....	950	14	9	9
Quail.....	do.....	950	14	9	9
Partridge.....	do.....	950	14	9	9
Elder.....	do.....	950	14	9	9
Thrush.....	do.....	950	14	9	9
Avocet.....	do.....	950	14	9	9
Bobolink.....	do.....	950	14	9	9
Lark.....	do.....	950	14	9	9
Widgeon.....	do.....	950	14	9	9
Teal.....	do.....	950	14	9	9
Brant.....	do.....	950	14	9	9
Kingfisher.....	do.....	950	14	9	9
Rall.....	do.....	950	14	9	9
Pelican.....	do.....	950	14	9	9
Falcon.....	do.....	950	14	9	9
Osprey.....	do.....	950	14	9	9
Seagull.....	do.....	950	14	9	9
Tern.....	do.....	950	14	9	9
Flamingo.....	do.....	950	14	9	9
Penguin.....	do.....	950	14	9	9
Swan.....	do.....	950	14	9	9
Whippoorwill.....	do.....	950	14	9	9
Bittern.....	do.....	950	14	9	9
Total of tonnage given.....		151,479			

¹ Each.² Canceled.

Table 14.—VESSELS AUTHORIZED, 1893-1918 (BY YEARS AND SESSIONS)—
Continued.

1917 (65th, 1st).

[Naval deficiency bill.]

Names.	Type.	Displace-	Speed.	Mean
		ment.		draft.
		<i>Tons.</i>	<i>Knots.</i>	<i>Ft. in.</i>
Clemson.....	Torpedo-boat destroyer.....	1,215	35	9 4
Dahlgren.....	do.....	1,215	35	9 4
Goldsborough.....	do.....	1,215	35	9 4
Bemmes.....	do.....	1,215	35	9 4
Batterlee.....	do.....	1,215	35	9 4
Mason.....	do.....	1,215	35	9 4
Graham.....	do.....	1,215	35	9 4
Nos. 193-205 ¹	do.....	1,215	35	9 4
Chandler.....	do.....	1,215	35	9 4
Bouthard.....	do.....	1,215	35	9 4
Nos. 208-230.....	do.....	1,215	35	9 4
Hatfield.....	do.....	1,215	35	9 4
Brooks.....	do.....	1,215	35	9 4
Nos. 233-250.....	do.....	1,215	35	9 4
Belknap.....	do.....	1,215	35	9 4
McCook.....	do.....	1,215	35	9 4
McCalla.....	do.....	1,215	35	9 4
Rodgers.....	do.....	1,215	35	9 4
Ingram.....	do.....	1,215	35	9 4
Bancroft.....	do.....	1,215	35	9 4
Wells.....	do.....	1,215	35	9 4
Nos. 253-260.....	do.....	1,215	35	9 4
Delphy.....	do.....	1,215	35	9 4
McDermut.....	do.....	1,215	35	9 4
Laub.....	do.....	1,215	35	9 4
McLanahan.....	do.....	1,215	35	9 4
Edwards.....	do.....	1,215	35	9 4
Greene.....	do.....	1,215	35	9 4
Ballard.....	do.....	1,215	35	9 4
Shubrick.....	do.....	1,215	35	9 4
Bailey.....	do.....	1,215	35	9 4
Thornton.....	do.....	1,215	35	9 4
Morris.....	do.....	1,215	35	9 4
Tingey.....	do.....	1,215	35	9 4
Swasey.....	do.....	1,215	35	9 4
Nos. 274-295.....	do.....	1,215	35	9 4
Chauncey.....	do.....	1,215	35	9 4
Fuller.....	do.....	1,215	35	9 4
Percival.....	do.....	1,215	35	9 4
Burnes.....	do.....	1,215	35	9 4
Farragut.....	do.....	1,215	35	9 4
Somers.....	do.....	1,215	35	9 4
Stoddert.....	do.....	1,215	35	9 4
Reno.....	do.....	1,215	35	9 4
Farquhar.....	do.....	1,215	35	9 4
Thompson.....	do.....	1,215	35	9 4
Kennedy.....	do.....	1,215	35	9 4
Hamilton.....	do.....	1,215	35	9 4
Wm. Jones.....	do.....	1,215	35	9 4
Woodbury.....	do.....	1,215	35	9 4
Branch.....	do.....	1,215	35	9 4
Nos. 311-335.....	do.....	1,215	35	9 4

¹ Each.² Nos. 200-205, inclusive, canceled.

Table 14.—VESSELS AUTHORIZED, 1883-1918 (BY YEARS AND SESSIONS)—
Continued.

1917 (65th, 1st)—Continued.

[Emergency fund.]

Names.	Type.	Displacement.	Speed.	Mean draft.
		Tons.	Knots.	Ft. in.
Nos. 336-344.....	Destroyers.....	1,215	25	9 4
H-4.....	Coast submarine.....			
H-5.....	do.....			
H-6.....	do.....			
H-7.....	do.....			
H-8.....	do.....			
H-9.....	do.....			
Nos. 163-176 ¹	do.....			
Eagles 1-112 ²	Patrol vessels.....	1,500	18	7 3
Nos. 407-448 ³	Submarine chasers.....	1,777	18	5 5 ¹ / ₂
Sanderling.....	Mine sweeper.....	950	14	9 9 ¹ / ₂
Auk.....	do.....	950	14	9 9 ¹ / ₂
Chewink.....	do.....	950	14	9 9 ¹ / ₂
Cormorant.....	do.....	950	14	9 9 ¹ / ₂
Gannet.....	do.....	950	14	9 9 ¹ / ₂
Goshawk ⁴	do.....	950	14	9 9 ¹ / ₂
Grebe.....	do.....	950	14	9 9 ¹ / ₂
Mallard.....	do.....	950	14	9 9 ¹ / ₂
Ortolan.....	do.....	950	14	9 9 ¹ / ₂
Peacock.....	do.....	950	14	9 9 ¹ / ₂
Pigeon.....	do.....	950	14	9 9 ¹ / ₂
Redwing.....	do.....	950	14	9 9 ¹ / ₂
Raven ⁵	do.....	950	14	9 9 ¹ / ₂
Shrike ⁶	do.....	950	14	9 9 ¹ / ₂
Sandpiper.....	do.....	950	14	9 9 ¹ / ₂
Vireo.....	do.....	950	14	9 9 ¹ / ₂
Warbler.....	do.....	950	14	9 9 ¹ / ₂
Willet.....	do.....	950	14	9 9 ¹ / ₂
Begudae.....	Seagoing tug.....	1,000	13	14 7
Tadousac.....	do.....	1,000	13	14 7
Kalma.....	do.....	1,000	13	14 7
Kawaydin.....	do.....	1,000	13	14 7
Umpqua.....	do.....	1,000	13	14 7
Wandank.....	do.....	1,000	13	14 7
Tatmuck.....	do.....	1,000	13	14 7
Sunnedin.....	do.....	1,000	13	14 7
Mahopac.....	do.....	1,000	13	14 7
Sciota.....	do.....	1,000	13	14 7
Koka.....	do.....	1,000	13	14 7
Napa.....	do.....	1,000	13	14 7
Pinola.....	do.....	1,000	13	14 7
Algora.....	do.....	1,000	13	14 7
Carrabasset.....	do.....	1,000	13	14 7
Contocook.....	do.....	1,000	13	14 7
Iuka.....	do.....	1,000	13	14 7
Keosanqua.....	do.....	1,000	13	14 7
Montcalm.....	do.....	1,000	13	14 7
Nos. 40-45 ⁶	do.....	1,000	13	14 7
Nos. 46-95.....	Harbor tugs.....	1,215	10	8 9
Nos. 80-101.....	Motor tugs.....	154	9.4	5 11
Total of tonnage given.....		303,983		
Grand total of tonnage given from 1883.....		2,820,980		

¹ Each.² Canceled: Nos. 163-171, inclusive, assigned to fleet submarines.³ Nos. 61-112, inclusive, canceled.⁴ Six of these canceled.⁵ Canceled.⁶ Nos. 40-45, inclusive, canceled.

Table 15.—HISTORY OF APPROPRIATIONS FOR SUBMARINES AND SUB-SURFACE BOATS.

Act of March 3, 1893, authorized the building of one submarine torpedo boat. This was the original *Plunger*, which was contracted for with the Holland Torpedo Boat Co., March 13, 1895. This boat was never finished and the contract was canceled April, 1900, the amount previously paid toward her construction being credited on new contract of November 19, 1900. This contract was a result of acts of June 10, 1896, and March 3, 1899, and was for a new *Plunger* (A-1), payment being made out of this appropriation of 1893—\$200,000.

Act of June 10, 1896, provided for construction of two Holland submarine boats at \$175,000 each. This act provided that no action toward purchase of these boats should be taken until boat purchased under act of 1893 should be tested.

Act of March 3, 1899, modified act of June 10, 1896, amending it to permit purchase of two submarines of *Holland* type similar to the *Holland*. One of these was the *Holland*, purchased from the Holland Torpedo Boat Co., for \$150,000. The other was the new *Plunger* (A-1), referred to under act of 1893.

Act of June 7, 1900, provided for construction of five submarine torpedo boats of *Holland* type, and the department on August 25, 1900 (referring to acts of 1896, 1899, and 1900), contracted with the Holland Torpedo Boat Co. for *Adder* (A-2), *Grampus* (A-3), *Moccasin* (A-4), *Pike* (A-5), *Porpoise* (A-6), and *Shark* (A-7), at \$170,000 each. All the above except the *Plunger* were paid for out of appropriations "Increase of the Navy, construction and machinery."

Act of March 3, 1903, authorized the Secretary of the Navy, in his discretion, to contract for or purchase subsurface or submarine torpedo boats, not exceeding \$500,000, and provided for certain tests.

Act of April 27, 1904, authorized the Secretary of the Navy to contract for or purchase subsurface or submarine torpedo boats, after they have been fully tested to his satisfaction and found to fulfill all reasonable requirements for submarine warfare. Eight hundred and fifty thousand dollars is appropriated for this purpose, to make up which the sum of \$503,000 (or such part thereof as may remain unexpended) is reappropriated in this act. Under this act contract was made with the Electric Boat Co., of New York, for four submarine torpedo boats, building at the Fore River Ship Building Co., Quincy, Mass., named as follows: *Ocotopus* (C-1), *Viper* (B-1), *Cuttlefish* (B-2), *Taranula* (B-3).

Act of June 29, 1906, authorized the Secretary of the Navy to contract for or purchase subsurface or submarine torpedo boats to an amount not exceeding \$1,000,000, of which sum \$300,000 is appropriated.

Act of March 2, 1907, limit of cost of act of June 29, 1906, increased to \$3,000,000, of which sum \$500,000 (additional to the \$500,000 of act of June 29, 1906), is appropriated. Test period is extended until May 29, 1907. No part of this appropriation to be expended for any boat that does not in such test prove to be equal, in the judgment of the Secretary of the Navy, to the best boat now owned by the United States or under contract therefor. Under this act and act of June 29, 1906, contract was made with the Electric Boat Co. for four submarine boats of the *Ocotopus* type at \$285,000 each, and for three others of the same type, though of greater displacement, at \$360,000 each. A conditional contract was made with the Lake Torpedo Co. for one (*Seal*, now G-1).

Act of May 13, 1908, provided for eight submarine torpedo boats in an amount not exceeding \$3,500,000 in the aggregate; \$3,000,000 is appropriated toward said purpose and for the completion of those heretofore authorized. Under this act contract was made with the Electric Boat Co. for six submarine boats, with the American Laurent Co. for one, and with the Lake Torpedo Boat Co. for one.

Act of March 3, 1909, provided for four submarine torpedo boats in an amount not exceeding \$2,000,000 in the aggregate; \$3,000,000 is appropriated toward said purpose, and for the completion of those heretofore authorized. Under this act contract was made with the Electric Boat Co. for three and with the Lake Torpedo Boat Co. for one.

Act of June 24, 1910, provided for four submarine torpedo boats in an amount not exceeding \$2,000,000 in the aggregate, and \$800,000 is appropriated toward said purpose. On account of submarine torpedo boats heretofore authorized, \$959,971 is appropriated. Under this act contract was made with the Electric Boat Co. for four submarine boats.

Act of March 4, 1911, provided for four submarine torpedo boats in an amount "not exceeding in the aggregate \$2,000,000, and the sum of \$800,000 is hereby appropriated for said purpose: *Provided*, That no part of this appropriation shall be expended for the construction of any boat by any person, firm, or corporation which has not at the time of the commencement and construction of said vessel established an eight-hour work day for all employees, laborers, and mechanics engaged, or to be engaged, in the construction of the vessels named herein." Under this act contract was made with the Electric Boat Co. for four submarine boats.

Act of August 22, 1912, provided for eight submarine torpedo boats in an amount not exceeding \$4,480,000 in the aggregate, and \$1,600,000 is appropriated toward said purpose. Under this act contract was made with the Electric Boat Co. for five submarine boats and with the Lake Torpedo Boat Co. for three boats.

Act of March 4, 1913, provided for four submarine torpedo boats in an amount not exceeding \$2,478,936 in the aggregate, and \$1,294,912 appropriated toward said purpose. One of the vessels provided for by this act, *No. 43* (L-8), was authorized by the department to be built at the navy yard, Portsmouth, N. H., in accordance with the designs obtained from the Lake Torpedo Boat Co. at a compensation to the company of \$52,700. Contracts were made with the Electric Boat Co. for the construction of the other three boats, *No. 49* (L-9) at \$535,000, *No. 60* (L-10) at \$535,000, and *No. 61* (L-11) at \$523,000.

Act of June 30, 1914, provided for eight or more submarines in an amount not exceeding \$4,460,000 in the aggregate, and \$1,825,000 appropriated toward said purpose. The appropriation of \$300,000 made in the naval act approved March 4, 1913, for testing and wrecking pontoon for submarines, to be available until expended, is made available until expended for the construction of said eight or more submarines.

Contracts were made with the Electric Boat Co. for four of these boats—*No. 62*, the *Scley*, now AA-1, (seagoing type), at \$1,340,000, *Nos. 63, 64*, and *65* (N-1, N-2, and N-3) at \$450,000 each; *No. 62* to be built by the Fore River Shipbuilding Corporation, Quincy, Mass., as subcontractor, and the other three by the Seattle Construction & Dry Dock Co., Seattle, Wash., as subcontractor.

Contracts were made with the Lake Torpedo Boat Co. for the other four boats, *Nos. 63, 67, 68*, and *69* (N-4, N-5, N-6, and N-7), at \$427,000 each. All four of these vessels were built at Bridgeport, Conn., by the Lake company itself.

Act of March 3, 1915, provided for two submarines of seagoing type and 25 knots speed at not exceeding \$1,500,000 each, and 16 submarines at not exceeding \$50,000 each, and appropriated the sum of \$4,000,000 toward said purposes.

Act of August 29, 1916, provides for "nine fleet submarines;

"Fifty-eight coast submarines, of which number 3, to have a surface displacement of about 800 tons each, to cost, exclusive of armor and armament, not to exceed \$1,200,000 each, and 27, which shall be the best and most desirable and useful type of submarine which can be procured at a cost, exclusive of armor and armament, not to exceed \$700,000 each, shall be begun as soon as practicable; and the sum of \$8,217,000 is hereby appropriated for the construction of said submarines, to be available until expended. Not less than 12 of the submarines herein authorized, to be begun as soon as practicable, shall be built on the Pacific coast: *Provided*, That the cost of construction on the Pacific coast does not exceed the cost of construction on the Atlantic coast plus the cost transportation from the Atlantic to the Pacific.

"One submarine, equipped with the Neff system of submarine propulsion, exclusive of armor and armament, \$250,000: *Provided*, That the owners of the Neff system of submarine propulsion will construct, in accordance with drawings, plans, and specifications provided by them, one coast-defense submarine of about 150 tons displacement when submerged, carrying armor and armament similar and equal to that of the 'C' class of submarines, with fittings, equipment, machinery, devices, appliances, and appurtenances of every kind with latest improvements, complete in all respects, and suitable for naval purposes: *Provided further*, That the money appropriated for this purpose shall not be paid to the builders of said boat until the same has been completed, passed satisfactory service tests, and been accepted by the Secretary of the Navy; but upon such completion tests, and acceptance by the Secretary of the Navy, the sum appropriated shall be paid. * * *

"One fleet submarine tender."

Act of March 4, 1917, provides that "Of the vessels authorized in the 'Act making appropriations for the naval service for the fiscal year ending June thirtieth, nineteen hundred and seventeen, and for other purposes,' approved August 29, 1916, the construction of * * * eighteen coast submarines, to have a surface displacement of about 800 tons each, \$1,300,000 each * * * shall be begun as soon as practicable."

Act of March 4, 1917, provides for 20 further coast submarines as follows:

"In addition to the eighteen submarines heretofore appropriated for, the Secretary of the Navy is hereby authorized and directed to proceed at once to cause to be constructed twenty coast submarines to have a surface displacement of about eight hundred tons each at a cost not to exceed \$1,300,000 each, exclusive of armor and armament, on the most approved lines according to plans and specifications to be provided or adopted by the Secretary of the Navy. The same may be let by contract to private builders or constructed by the Government in navy yards, or both, as may be directed by the Secretary of the Navy. Said twenty submarines shall be constructed on the Pacific coast: *Provided*, That the cost of construction on the Pacific coast does not exceed the cost of construction on the Atlantic coast plus the cost of transportation from the Atlantic to the Pacific. Eighteen million dollars is hereby appropriated toward the construction of said submarines."

In the act of August 29, 1916, covering the three-year program, there were 58 coast submarines authorized and 9 fleet submarines. This act authorized the beginning of the construction, during the fiscal year 1917, of 30 coast submarines. The act of March 4, 1917, provided for beginning construction, during the fiscal year 1918, of 18 coast submarines, making a total of 48 of the 58 coast submarines, and leaving 10 coast submarines and 9 fleet submarines, which were specifically authorized in the act of July 1, 1918, to be begun by June 30, 1919, under the provision reading as follows:

"Of the vessels authorized to be constructed prior to July 1, 1919, in the 'Act making appropriations for the naval service for the fiscal year ending June 30, 1917, and for other purposes,' approved August 29, 1916, the construction of which has not heretofore specifically been directed to be begun, shall be begun as soon as practicable, but not later than June 30, 1919."

Table 16.—LIST OF SUBMARINES (SHOWING CONTRACTOR AND PLACE WHERE BUILT).

Name.	Official No.	Contractor.	By whom and where built or building.
Holland ¹		J. P. Holland Torpedo Boat Co., New York, N. Y.	Crescent Shipyard, Elizabeth, N. J.
AA-1 (ex-Schley).....	52	Electric Boat Co., New York, N. Y.....	Fore River S. B. Co., Quincy, Mass.
AA-2.....	60	do.....	Do.
AA-3.....	61	do.....	Do.
A-1 ²	2	J. P. Holland Torpedo Boat Co., New York, N. Y.	Crescent Shipyard, Elizabethport, N. J.
A-2.....	3	do.....	Do.
A-3.....	4	do.....	Union Iron Works, San Francisco, Cal.
A-4.....	5	do.....	Crescent Shipyard, Elizabethport, N. J.
A-5.....	6	do.....	Union Iron Works, San Francisco, Cal.
A-6.....	7	do.....	Crescent Shipyard, Elizabethport, N. J.
A-7.....	8	do.....	Do.
B-1.....	10	Electric Boat Co., New York, N. Y.....	Fore River S. B. Co., Quincy, Mass.
B-2.....	11	do.....	Do.
B-3.....	12	do.....	Do.
C-1.....	9	do.....	Do.
C-2.....	13	do.....	Do.
C-3.....	14	do.....	Do.
C-4.....	15	do.....	Do.
C-5.....	16	do.....	Do.
D-1.....	17	do.....	Do.
D-2.....	18	do.....	Do.
D-3.....	19	do.....	Do.
E-1.....	24	do.....	Do.
E-2.....	25	do.....	Do.
F-1 ³	20	do.....	Union Iron Works, San Francisco, Cal.
F-2.....	21	do.....	Do.
F-3.....	22	do.....	The Moran Co., Seattle, Wash.
F-4 ⁴	23	do.....	Do.
G-1.....	19 ¹	Lake Torpedo Boat Co., Bridgeport, Conn.	Lake Torpedo Boat Co., Bridgeport, Conn.
G-2.....	27	do.....	Do.
G-3.....	31	do.....	Do.
G-4.....	26	American Laurenti Co., Philadelphia, Pa.	Wm. Cramp & Sons, Philadelphia, Pa.
H-1.....	23	Electric Boat Co., New York, N. Y.....	Union Iron Works, San Francisco, Cal.
H-2.....	29	do.....	Do.

¹ Stricken from Navy Register Nov. 21, 1910.

² Stricken from Navy Register Feb. 24, 1913.

³ Stricken from Navy Register Dec. 29, 1917.

⁴ Stricken from Navy Register Aug. 31, 1915.

Table 16.—LIST OF SUBMARINES (SHOWING CONTRACTOR AND PLACE WHERE BUILT)—Continued.

Name.	Official No.	Contractor.	By whom and where built or building.
H-3.....	30	Electric Boat Co., New York, N. Y.....	The Moran Co., Seattle, Wash.
H-4.....	147	do.....	Puget Sound Navy Yard.
H-5.....	148	do.....	Do.
H-6.....	149	do.....	Do.
H-7.....	150	do.....	Do.
H-8.....	151	do.....	Do.
H-9.....	152	do.....	Do.
K-1.....	32	do.....	Fore River S. B. Co., Quincy, Mass.
K-2.....	33	do.....	Do.
K-3.....	34	do.....	Union Iron Works, San Francisco, Cal.
K-4.....	35	do.....	The Moran Co., Seattle, Wash.
K-5.....	36	do.....	Fore River S. B. Co., Quincy, Mass.
K-6.....	37	do.....	Do.
K-7.....	38	do.....	Union Iron Works, San Francisco, Cal.
K-8.....	39	do.....	Do.
L-1.....	40	do.....	Fore River S. B. Co., Quincy, Mass.
L-2.....	41	do.....	Do.
L-3.....	42	do.....	Do.
L-4.....	43	do.....	Do.
L-5.....	44	Lake Torpedo Boat Co., Bridgeport, Conn.	Lake Torpedo Boat Co., Bridgeport, Conn.
L-6.....	45	do.....	Craig S. B. Co., Long Beach, Cal.
L-7.....	46	do.....	Do.
L-8.....	48	do.....	Government, navy yard, Portsmouth, N. H.
L-9.....	49	Electric Boat Co., New York, N. Y.....	Fore River S. B. Co., Quincy, Mass.
L-10.....	50	do.....	Do.
L-11.....	51	do.....	Do.
M-1.....	47	do.....	Do.
N-1.....	53	do.....	Seattle Construction & Dry Dock Co.
N-2.....	54	do.....	Do.
N-3.....	55	do.....	Do.
N-4.....	56	Lake Torpedo Boat Co., Bridgeport, Conn.	Lake Torpedo Boat Co., Bridgeport, Conn.
N-5.....	57	do.....	Do.
N-6.....	58	do.....	Do.
N-7.....	59	do.....	Do.
O-1.....	62	United States.....	Portsmouth, N. H., navy yard.
O-2.....	63	do.....	Puget Sound Navy Yard.
O-3.....	64	Electric Boat Co., New York, N. Y.....	Fore River S. B. Co., Quincy, Mass.
O-4.....	65	do.....	Do.
O-5.....	66	do.....	Do.
O-6.....	67	do.....	Do.
O-7.....	68	do.....	Do.
O-8.....	69	do.....	Do.
O-9.....	70	do.....	Do.
O-10.....	71	do.....	Do.
O-11.....	72	Lake Torpedo Boat Co., Bridgeport, Conn.	Lake Torpedo Boat Co., Bridgeport, Conn.
O-12.....	73	do.....	Do.
O-13.....	74	do.....	Do.
O-14.....	75	California S. B. Co., Long Beach, Cal.....	California S. B. Co., Long Beach, Cal.
O-15.....	76	do.....	Do.
O-16.....	77	do.....	Do.
R-1.....	78	Electric Boat Co., New York, N. Y.....	Fore River S. B. Co., Quincy, Mass.
R-2 ¹	79	do.....	Do.
R-3 ¹	80	do.....	Do.
R-4 ¹	81	do.....	Do.
R-5 ¹	82	do.....	Do.
R-6 ¹	83	do.....	Do.
R-7 ¹	84	do.....	Do.
R-8 ¹	85	do.....	Do.
R-9 ¹	86	do.....	Do.
R-10 ¹	87	do.....	Do.
R-11 ¹	88	do.....	Do.
R-12 ¹	89	do.....	Do.
R-13 ¹	90	do.....	Do.
R-14 ¹	91	do.....	Do.
R-15.....	92	do.....	Do.
R-16.....	93	do.....	Do.
R-17.....	94	do.....	Do.
R-18.....	95	do.....	Do.
R-19.....	96	do.....	Do.
R-20.....	97	do.....	Do.
R-21 ¹	98	Lake Torpedo Boat Co., Bridgeport, Conn.	Lake Torpedo Boat Co., Bridgeport, Conn.
R-22 ¹	99	do.....	Do.
R-23 ¹	100	do.....	Do.

¹ Building.

Table 16.—LIST OF SUBMARINES (SHOWING CONTRACTOR AND PLACE WHERE BUILT)—Continued.

Name.	Official No.	Contractor.	By whom and where built or building.
R-24 ¹	101	Lake Torpedo Boat Co., Bridgeport, Conn.	Lake Torpedo Boat Co., Bridgeport, Conn.
R-25 ¹	102	.....do.....	Do.
R-26 ¹	103	.....do.....	Do.
R-27 ¹	104	.....do.....	Do.
S-1 ¹	105	Electric Boat Co., New York, N. Y.	Fore River S. B. Co., Quincy, Mass.
S-2 ¹	106	Lake Torpedo Boat Co., Bridgeport, Conn.	Lake Torpedo Boat Co., Bridgeport, Conn.
S-3.....	107	United States.....	Navy yard, Portsmouth, N. H.
S-4 ¹	109	.....do.....	Do.
S-5 ¹	110	.....do.....	Do.
S-6 ¹	111	.....do.....	Do.
S-7 ¹	112	.....do.....	Do.
S-8 ¹	113	.....do.....	Do.
S-9 ¹	114	.....do.....	Do.
S-10 ¹	115	.....do.....	Do.
S-11 ¹	116	.....do.....	Do.
S-12 ¹	117	.....do.....	Do.
S-13 ¹	118	.....do.....	Do.
S-14.....	119	Lake Torpedo Boat Co., Bridgeport, Conn.	Lake Torpedo Boat Co., Bridgeport, Conn.
S-15 ¹	120	.....do.....	Do.
S-16 ¹	121	.....do.....	Do.
S-17 ¹	122	.....do.....	Do.
S-18 ¹	123	Electric Boat Co., New York, N. Y.	Fore River S. B. Co., Quincy, Mass.
S-19 ¹	124	.....do.....	Do.
S-20 ¹	125	.....do.....	Do.
S-21 ¹	126	.....do.....	Do.
S-22 ¹	127	.....do.....	Do.
S-23 ¹	128	.....do.....	Do.
S-24 ¹	129	.....do.....	Do.
S-25 ¹	130	.....do.....	Do.
S-26 ¹	131	.....do.....	Do.
S-27 ¹	132	.....do.....	Do.
S-28 ¹	133	.....do.....	Do.
S-29 ¹	134	.....do.....	Do.
S-30 ¹	135	.....do.....	Union Iron Works, San Francisco, Cal.
S-31 ¹	136	.....do.....	Do.
S-32 ¹	137	.....do.....	Do.
S-33 ¹	138	.....do.....	Do.
S-34 ¹	139	.....do.....	Do.
S-35 ¹	140	.....do.....	Do.
S-36 ¹	141	.....do.....	Do.
S-37 ¹	142	.....do.....	Do.
S-38 ¹	143	.....do.....	Do.
S-39 ¹	144	.....do.....	Do.
S-40 ¹	145	.....do.....	Do.
S-41 ¹	146	.....do.....	Do.
S-42 ¹	153	.....do.....	Do.
S-43 ¹	154	.....do.....	Do.
S-44 ¹	155	.....do.....	Do.
S-45 ¹	156	.....do.....	Do.
S-46 ¹	157	.....do.....	Do.
S-47 ¹	158	.....do.....	Do.
S-48 ¹	159	Lake Torpedo Boat Co., Bridgeport, Conn.	Lake Torpedo Boat Co., Bridgeport, Conn.
S-49 ¹	160	.....do.....	Do.
S-50 ¹	161	.....do.....	Do.
S-51 ¹	162	.....do.....	Do.
	* 163	Not yet placed	
	* 164	.....do.....	
	* 165	.....do.....	
	* 166	.....do.....	
	* 167	.....do.....	
	* 168	.....do.....	
	* 169	.....do.....	
	* 170	.....do.....	
	* 171	.....do.....	

¹ Building.² Fleet submarines.

Table 17.—LIST OF SUBMARINES (WHEN AUTHORIZED, FIRST AND LAST COMMISSION, AND PRICE).

Name.	Official No.	Date of act authorizing the building.	Date of first and latest commission.	Contract price.
Holland ¹		Apr. 11, 1900	Oct. 12, 1900	\$150,000
AA-1	52	June 30, 1913		1,350,000
AA-2	60	Mar. 3, 1915		1,494,000
AA-3	61	do		1,494,000
A-1	2	Mar. 3, 1890	Sept. 19, 1903 Feb. 25, 1907	170,000
A-2	3	June 7, 1900	Jan. 12, 1903 Feb. 10, 1910	170,000
A-3	4	do	May 12, 1908 June 9, 1908	170,000
A-4	5	do	Jan. 17, 1903 Feb. 10, 1910	170,000
A-5	6	do	May 28, 1903 June 9, 1908	170,000
A-6	7	do	Sept. 19, 1903	170,000
A-7	8	do	do	170,000
B-1	10	Apr. 27, 1904	Oct. 18, 1907 Apr. 15, 1910	200,000
B-2	11	do	Oct. 18, 1907 Apr. 15, 1910	185,000
B-3	12	do	Dec. 3, 1907 Apr. 15, 1910	185,000
C-1	9	do	June 30, 1908	250,000
C-2	13	June 29, 1900	Nov. 23, 1909	285,000
C-3	14	do	do	285,000
C-4	15	do	do	285,000
C-5	16	do	Feb. 2, 1910	285,000
D-1	17	do	Nov. 23, 1909	300,000
D-2	18	do	do	300,000
D-3	19	do	Sept. 8, 1910	300,000
E-1	24	May 13, 1908	Feb. 14, 1912	375,000
E-2	25	do	do	375,000
F-1	20	do	June 19, 1912	454,740
F-2	21	do	June 25, 1912	454,740
F-3	22	do	Aug. 5, 1912	454,740
F-4	23	do	May 3, 1913	454,740
G-1	19	June 29, 1900	Oct. 28, 1912	450,000
G-2	27	May 13, 1908	Dec. 1, 1913 Feb. 6, 1915	410,000
G-3	31	Mar. 3, 1909	Mar. 22, 1915	455,000
G-4	26	May 13, 1908	Jan. 22, 1914	437,500
H-1	28	Mar. 3, 1909	Dec. 1, 1913	491,000
H-2	29	do	do	491,000
H-3	30	do	Jan. 16, 1914	491,000
H-4	147	Oct. 6, 1917	Oct. 24, 1918	396,075
H-5	148	do	Sept. 30, 1918	396,075
H-6	149	do	Sept. 9, 1918	396,075
H-7	150	do	Oct. 24, 1918	396,075
H-8	151	do	Nov. 18, 1918	396,075
H-9	152	do	Nov. 25, 1918	396,075
K-1	32	June 24, 1910	Mar. 17, 1914	469,000
K-2	33	do	Jan. 31, 1914	469,000
K-3	34	do	Oct. 30, 1914	501,000
K-4	35	do	do	501,000
K-5	36	Mar. 4, 1911	Aug. 24, 1914	478,000
K-6	37	do	Sept. 9, 1914	478,000
K-7	38	do	Dec. 1, 1914	512,000
K-8	39	do	do	512,000
L-1	40	Aug. 22, 1912	Apr. 11, 1916	534,000
L-2	41	do	do	534,000
L-3	42	do	Apr. 21, 1916	534,000
L-4	43	do	May 4, 1916	534,000
L-5	44	do	do	535,000
L-6	45	do	do	560,000
L-7	46	do	do	560,000
L-8	48	Mar. 4, 1913	do	535,000
L-9	49	do	do	535,000
L-10	50	do	do	535,000
L-11	51	do	do	523,000
M-1	47	Aug. 22, 1912	do	615,000
N-1	53	June 30, 1914	do	450,000
N-2	54	do	do	450,000

¹ Stricken from Navy Register Nov. 21, 1910.
² Date of purchase. (Purchased under act of Mar. 3, 1890.)
³ Purchase price.
⁴ Stricken from Navy Register Feb. 24, 1913.
⁵ Together with acts of June 10, 1896, and Mar. 3, 1890.
⁶ Together with act of Mar. 2, 1907.
⁷ Stricken from Navy Register Aug. 31, 1915.

Table 17.—LIST OF SUBMARINES (WHEN AUTHORIZED, FIRST AND LAST COMMISSION, AND PRICE—Continued.

Name.	Official No.	Date of act authorizing the building.	Date of first and latest commission.	Contract-price.
N-3	55	June 30, 1914		\$450,000
N-4	56	do		427,000
N-5	57	do		427,000
N-6	58	do		427,000
N-7	59	do		427,000
O-1	62	do		¹ 550,000
O-2	63	do		¹ 550,000
O-3	64	do		548,000
O-4	65	do		548,000
O-5	66	do		548,000
O-6	67	do		548,000
O-7	68	do		548,000
O-8	69	do		548,000
O-9	70	do		548,000
O-10	71	do		548,000
O-11	72	do		545,000
O-12	73	do		545,000
O-13	74	do		545,000
O-14	75	do		548,500
O-15	76	do		548,500
O-16	77	do		548,500
R-1	78	Aug. 29, 1916	Dec. 16, 1918	662,000
R-2	79	do		662,000
R-3	80	do		662,000
R-4	81	do		662,000
R-5	82	do		662,000
R-6	83	do		662,000
R-7	84	do		662,000
R-8	85	do		662,000
R-9	86	do		662,000
R-10	87	do		662,000
R-11	88	do		667,000
R-12	89	do		667,000
R-13	90	do		667,000
R-14	91	do		667,000
R-15	92	do	July 27, 1918	667,000
R-16	93	do	Aug. 5, 1918	667,000
R-17	94	do	Aug. 17, 1918	667,000
R-18	95	do	Sept. 11, 1918	667,000
R-19	96	do	Oct. 7, 1918	667,000
R-20	97	do	Oct. 26, 1918	667,000
R-21	98	do		² 60,000
R-22	99	do		² 60,000
R-23	100	do		² 60,000
R-24	101	do		² 60,000
R-25	102	do		² 60,000
R-26	103	do		² 60,000
R-27	104	do		² 60,000
S-1	105	do		1,189,000
S-2	106	do		
S-3	107	do	Jan. 20, 1919	
S-4	109	do		
S-5	110	do		
S-6	111	do		
S-7	122	do		
S-8	113	do		
S-9	114	do		
S-10	115	do		
S-11	116	do		
S-12	117	do		
S-13	118	do		
S-14	119	do		(²)
S-15	120	do		(²)
S-16	121	do		(²)
S-17	122	do		(²)
S-18	123	do		(²)
S-19	124	do		(²)
S-20	125	do		(²)
S-21	126	do		(²)
S-22	127	Mar. 4, 1917		(²)
S-23	128	do		(²)
S-24	129	do		(²)
S-25	130	do		(²)
S-26	131	do		(²)
S-27	132	do		(²)
S-28	133	do		(²)
S-29	134	do		(²)

¹ Limit of cost.

² Cost plus.

Table 17.—LIST OF SUBMARINES (WHEN AUTHORIZED, FIRST AND LAST COMMISSION, AND PRICE—Continued.

Name.	Official No.	Date of act authorizing the building.	Date of first and latest commission.	Contract price.
S-30.....	135	Mar. 4, 1917		()
S-31.....	136	do.....		()
S-32.....	137	do.....		()
S-33.....	138	do.....		()
S-34.....	139	do.....		()
S-35.....	140	do.....		()
S-36.....	141	do.....		()
S-37.....	142	do.....		()
S-38.....	143	do.....		()
S-39.....	144	do.....		()
S-40.....	145	do.....		()
S-41.....	146	do.....		()
S-42.....	153	Aug. 29, 1916		()
S-43.....	154 ¹	do.....		
S-44.....	155	do.....		
S-45.....	156	do.....		
S-46.....	157	do.....		
S-47.....	158	do.....		
S-48.....	159	do.....		
S-49.....	160	do.....		
S-50.....	161	do.....		
S-51.....	162	do.....		
	163	do.....		
	164	do.....		
	165	do.....		
	166	do.....		
	167	do.....		
	168	do.....		
	169	do.....		
	170	do.....		
	171	do.....		

¹ Cost plus.

Table 18.—COST OF CONSTRUCTION OF SHIPS (COMPLETED) OF THE NAVY, JUNE 30, 1918.

Ships.	Number under which authorized.	Hull and machinery, including armor.	Equipage, including armament.	Total.
BATTLESHIPS, FIRST LINE.				
South Carolina.....	26	\$5,009,186.53	\$1,002,699.49	\$6,671,886.02
Michigan.....	27	5,093,619.87	932,153.84	6,655,773.71
Delaware.....	28	6,830,795.88	1,406,121.43	8,235,917.31
North Dakota.....	29	7,216,687.04	1,304,794.24	8,551,481.28
Florida.....	30	8,983,865.74	1,376,113.66	10,359,979.40
Utah.....	31	7,002,295.02	1,502,197.33	8,504,492.35
Wyoming.....	32	9,252,338.06	1,824,780.93	11,077,118.99
Arkansas.....	33	8,376,821.70	1,084,632.10	10,061,453.80
New York.....	34	9,692,581.97	1,630,548.66	11,323,130.63
Texas.....	35	9,373,440.38	1,598,064.55	10,971,524.93
Nevada.....	36	9,924,000.41	1,477,072.63	11,401,073.04
Oklahoma.....	37	10,112,064.02	1,436,519.26	11,548,573.28
Pennsylvania.....	38	11,702,225.07	1,691,456.61	13,393,681.68
Arizona.....	39	11,013,872.98	1,579,658.86	12,593,531.84
New Mexico.....	40	12,650,240.11	46,510.05	12,705,750.16
Mississippi.....	41	11,336,359.94	2,219,964.08	13,556,324.02
Total.....		144,869,384.72	22,742,307.72	167,611,692.44
BATTLESHIPS, SECOND CLASS.				
Indiana.....	1	5,333,708.05	465,666.21	5,799,374.26
Massachusetts.....	2	5,401,844.97	146,176.88	5,548,021.85
Oregon.....	3	5,914,021.90	606,104.80	6,519,126.20
Iowa.....	4	5,162,587.12		5,162,587.12
Kearsage.....	5	4,429,890.09	506,689.38	4,956,580.07
Kentucky.....	6	4,415,094.99	602,142.17	5,020,237.16
Illinois.....	7	4,073,429.26	857,421.28	4,950,850.54
Alabama.....	8	4,077,010.09	560,482.12	4,637,492.21
Wisconsin.....	9	4,162,617.53	529,925.56	4,692,543.09

Table 18—COST OF CONSTRUCTION OF SHIPS (COMPLETED) OF THE NAVY, JUNE 30, 1918—Continued.

Ships.	Number under which authorized.	Hull and machinery, including armor.	Equipage, including armament.	Total.
BATTLESHIPS, SECOND CLASS—continued.				
Maine.....	10	\$4,567,464.52	\$657,842.98	\$5,225,307.50
Missouri.....	11	4,438,925.08	737,520.64	5,176,445.72
Ohio.....	12	4,475,375.45	990,798.60	5,466,174.05
Virginia.....	13	5,491,036.12	915,726.56	6,406,762.68
Nebraska.....	14	5,679,515.96	941,680.82	6,621,196.78
Georgia.....	15	5,541,279.58	994,008.84	6,535,288.42
New Jersey.....	16	5,385,806.41	1,027,049.70	6,413,456.11
Rhode Island.....	17	5,360,125.52	1,096,651.99	6,456,777.51
Connecticut.....	18	6,394,757.77	1,310,845.44	7,705,603.21
Louisiana.....	19	6,065,531.19	1,276,532.06	7,342,063.27
Vermont.....	20	6,166,267.28	1,197,477.09	7,363,744.37
Kansas.....	21	6,208,540.89	1,138,139.65	7,346,680.54
Minnesota.....	22	6,149,874.47	1,299,612.81	7,449,487.28
New Hampshire.....	25	5,976,236.99	1,090,534.18	7,066,771.17
Total.....		120,873,941.83	18,348,599.28	139,222,541.11
ARMORED CRUISERS.				
Pueblo (ex Colorado).....	7	4,831,941.38	808,896.61	5,640,837.99
Frederick (ex Maryland).....	8	4,874,874.16	520,106.78	5,394,980.94
Montana.....	13	4,781,089.20	988,768.32	5,769,857.52
North Carolina.....	12	4,779,380.27	943,798.02	5,723,178.29
Pittsburgh.....	4	4,857,086.24	762,723.88	5,619,810.12
South Dakota.....	9	4,735,160.58	566,424.97	5,300,585.55
Seattle (ex Washington).....	11	5,201,905.64	819,841.77	6,021,747.41
Huntington (ex West Virginia).....	5	4,885,216.51	514,195.59	5,399,412.10
Total.....		38,946,663.98	5,923,755.94	44,870,409.92
CRUISERS, FIRST CLASS.				
Brooklyn.....	3	3,944,820.73	431,466.58	4,376,287.31
Charleston.....	22	3,267,234.16	560,420.98	3,827,655.14
Rochester (ex Saratoga).....	2	3,897,840.32	398,997.68	4,296,838.00
St. Louis.....	20	3,173,782.63	446,585.69	3,620,368.32
Total.....		14,283,677.84	1,837,473.93	16,121,151.77
CRUISERS, SECOND CLASS.				
Chicago.....	1	1,150,000.00	156,699.68	1,306,699.68
Columbia.....	12	3,461,980.26	200,536.51	3,662,496.77
Minneapolis.....	13	3,403,707.07	216,855.24	3,620,562.31
Olympia.....	6	2,484,027.54	255,933.14	2,739,960.68
Total.....		10,499,694.87	830,024.57	11,329,719.44
CRUISERS, THIRD CLASS.				
Birmingham.....	2	1,629,956.43	331,469.06	1,961,425.49
Chattanooga.....	16	1,378,445.75	257,434.81	1,635,880.56
Chester.....	1	1,796,293.62	273,393.81	2,069,687.33
Cincinnati.....	7	2,023,326.91	215,619.10	2,238,946.01
Cleveland.....	19	1,098,320.33	268,166.39	1,366,486.72
Denver.....	14	1,136,146.06	213,542.00	1,349,688.06
Des Moines.....	15	1,156,256.68	332,493.49	1,488,750.17
Galveston.....	17	1,426,850.73	248,610.72	1,675,461.45
Marblehead.....	11	1,061,426.30	108,431.71	1,169,858.01
Annisston (ex Montgomery).....	9	1,050,933.54	83,291.57	1,134,225.11
Raleigh.....	8	1,867,934.32	187,666.38	2,055,600.70
Salem.....	3	1,619,325.00	200,306.09	1,819,631.09
Tacoma.....	18	1,113,396.45	230,203.47	1,343,599.92
Total.....		18,326,611.02	2,970,528.60	21,299,139.62
MONITORS.				
Amphitrite.....		1,951,818.17	205,930.22	2,157,748.39
Cheyenne.....		1,372,093.16	234,320.65	1,606,413.81
Monadnock.....		2,549,170.70	327,098.07	2,876,268.77
Monterey.....		2,301,104.75	244,290.59	2,545,395.34
Ozark.....		1,413,962.99	295,840.45	1,709,803.44
Tallahassee.....		1,307,130.91	204,687.49	1,511,818.40
Tonopah.....		1,396,488.61	350,338.76	1,746,827.37
Total.....		12,291,769.29	1,862,506.23	14,154,275.52

Table 18.—COST OF CONSTRUCTION OF SHIPS (COMPLETED) OF THE NAVY, JUNE 30, 1918—Continued.

Ships.	Number under which authorized.	Hull and machinery, including armor.	Equipage, including armament.	Total.
TORPEDO BOATS, SUBMARINES, DESTROYERS, AIRCRAFT, MINE SWEEPERS.				
Total.....		\$134,203,610.39	\$10,428,887.56	\$144,632,497.95
TENDERS TO TORPEDO BOATS.				
Bushnell.....		949,277.80	202,806.46	1,152,084.26
Dixie.....		575,000.00	230,532.19	805,532.19
Fulton.....		515,491.77	94,896.43	610,388.20
Melville.....		1,332,794.69	256,159.49	1,588,954.18
Fanther.....		375,000.00	103,054.50	478,054.50
Pompey.....		111,929.50	34,925.59	146,855.09
Total.....		3,859,493.76	922,374.66	4,781,868.42
GUNBOATS.				
Alert.....		118,000.00	77,170.37	195,170.37
Annapolis.....		278,121.52	99,880.45	378,001.97
Castine.....		510,878.13	90,629.45	601,507.58
Dolphin.....		350,000.00	101,557.67	451,557.67
Dubuque.....		334,974.33	70,563.12	405,539.45
Helena.....		430,669.05	140,781.84	571,453.89
Machias.....		492,502.32	76,406.33	568,908.65
Marietta.....		260,572.02	80,935.08	341,507.10
Monocacy.....		145,281.74	30,929.82	176,211.56
Nashville.....		476,722.06	122,815.11	599,537.17
Newport.....		298,615.14		298,615.14
Paducah.....		392,698.97	128,690.50	521,379.47
Palos.....		146,153.99	28,610.68	174,794.67
Petrel.....		300,981.65	80,855.64	380,837.29
Sacramento.....		472,166.42	122,734.23	594,900.65
Vicksburg.....		286,050.92	101,061.98	387,112.90
Wheeling.....		256,069.19	100,561.84	356,631.03
Wilmington.....		424,868.65	129,455.71	554,324.36
Yorktown.....		548,906.61	131,342.34	680,248.95
Total.....		6,533,232.71	1,715,006.16	8,248,237.87
FUEL BOATS.				
Hector.....				
Jason.....		971,869.99	118,327.19	1,090,197.18
Jupiter.....		1,326,111.36	215,791.12	1,541,902.48
Kanawha.....		977,796.75	123,014.52	1,100,811.27
Mars.....		514,634.05	49,080.22	563,714.27
Neptune.....		914,545.55	106,904.00	1,021,449.55
Nerius.....		1,023,854.15	69,446.23	1,093,300.38
Orion.....		974,823.72	91,206.86	1,066,030.58
Proteus.....		998,652.53	93,011.75	1,091,664.28
Vulcan.....		515,136.49	89,596.04	604,732.53
Cuyama.....		1,043,022.03		1,043,022.03
Maumee.....		1,249,072.81	132,944.43	1,382,017.24
Total.....		10,509,519.43	1,099,322.36	11,598,841.79
TUGS.				
Allegheny.....		365,152.17		365,152.17
Iwana.....		33,253.57	2,169.58	35,423.15
Mohave.....		125,666.67		125,666.67
Marquette.....		83,648.91	2,201.67	85,850.58
Ontario.....		210,137.97	23,299.37	233,437.34
Patapsco.....		219,402.53	20,698.39	240,070.92
Patuxent.....		212,117.02	21,840.76	234,007.78
Pawtucket.....		75,366.49	3,101.50	78,470.99
Pennacook.....		84,465.68	2,981.80	87,447.48
Pentucket.....		95,181.86	3,577.72	98,759.58
Ramosee.....		73,505.28	1,895.82	75,401.10
Sonoma.....		198,778.55	38,619.18	237,427.73
Sotomomo.....		71,143.05	4,606.14	75,749.19
Standish.....		48,390.00	8,691.51	57,071.51
Tillamook.....		125,666.66	6,159.76	131,826.42
Transfer.....		133,053.00	1,733.42	134,786.42
Unadilla.....		101,145.08	3,783.34	104,928.42
Wahnetta.....		33,176.52		33,176.52
Wando.....		131,187.43	12,942.15	144,129.58

Table 18.—COST OF CONSTRUCTION OF SHIPS (COMPLETED) OF THE NAVY, JUNE 30, 1918—Continued.

Ships.	Number under which authorized.	Hull and machinery, including armor.	Equipage, including armament.	Total.
TUGS—continued.				
Sagamore.....		\$361,339.01		\$361,339.01
Arapaho.....		125,666.67	\$3,638.61	129,305.28
Chemung.....		183,025.79		183,025.79
Tecumseh.....		45,000.00	2,547.91	47,547.91
Traffic.....		26,400.00	1,533.67	27,933.67
Triton.....		35,000.00	2,771.86	37,771.86
Wicomic.....		82,500.00		82,500.00
Wompatuck.....		65,000.00	9,857.24	74,857.24
Total.....		3,294,409.91	178,654.40	3,473,064.31
TRANSPORT.				
Henderson.....		1,720,840.29	263,849.51	1,984,689.80
SUPPLY SHIP.				
Bridge.....		1,256,250.52	155,651.46	1,411,901.98
SPECIAL TYPES.				
Baltimore.....		1,554,483.94	173,804.46	1,728,288.40
Prometheus.....		1,605,622.20	152,228.67	1,757,850.87
San Francisco.....		1,738,257.82	171,537.26	1,909,795.08
Vestal.....		1,625,417.26	217,881.73	1,843,298.99
Vesuvius.....		360,007.94	378,784.81	738,792.75
Total.....		6,833,789.16	1,094,236.93	7,978,026.09
UNSERVICABLE FOR WAR PURPOSES.				
Boxer.....		94,703.14	15,611.61	110,314.75
Cumberland.....		427,463.37	16,794.59	444,257.96
Intrepid.....		403,948.19	16,107.02	420,055.21
Philadelphia.....		1,561,392.47		1,561,392.47
Total.....		2,487,507.17	48,513.22	2,536,020.39
VESSELS LOST, DESTROYED, SOLD, AND DROPPED FROM THE NAVY LIST.				
Atlanta.....		1,067,200.45		1,067,200.45
Bennington.....		578,806.37	190,511.34	769,317.71
Charleston.....		1,185,906.94	413,891.26	1,599,858.20
Concord.....		566,336.21	198,927.51	765,263.72
Detroit.....		1,001,711.65	228,328.25	1,233,039.90
Idaho.....		4,797,675.01	1,097,286.15	5,894,961.16
Katahdin.....		1,513,691.31	16,136.08	1,529,827.39
Maine.....		4,044,106.72	633,622.03	4,677,728.75
Miantonomah.....		2,241,418.64	298,718.21	2,540,136.85
Mississippi.....		4,740,800.95	1,092,000.46	5,832,801.41
Newark.....		1,439,382.20	390,735.00	1,830,117.20
Puritan.....		3,056,278.33	339,187.58	3,395,465.91
San Marcos.....		3,638,294.99	563,836.50	4,202,121.49
Terror.....		2,018,759.25	198,342.85	2,217,102.10
Torpedo boats, etc.....		1,216,566.54		1,216,566.54
Milwaukee.....		3,275,217.29	660,834.33	3,936,051.62
Memphis.....		5,213,918.04	950,755.36	6,164,673.40
San Diego.....		4,713,274.11	641,012.57	5,354,286.68
Cyclops.....		871,518.35		871,518.35
Jacob Jones.....		1,177,231.36		1,177,231.36
Princeton.....		313,176.68		313,176.68
Boston.....		1,700,000.00		1,700,000.00
Severn.....		357,641.96	106,773.15	464,415.11
Hector.....		514,027.60	39,058.43	553,087.03
Total.....		51,216,070.95	8,059,958.06	59,306,029.01

Table 19.—COST OF CONSTRUCTION OF SHIPS (UNDER CONSTRUCTION)
OF THE NAVY, JUNE 30, 1918.

Vessel.	Amount.	Vessel.	Amount.
AA-1.....	\$1,243,777.94	Destroyer No. 215.....	\$276,371.21
AA-2.....	1,013,315.00	Destroyer No. 216.....	276,371.21
AA-3.....	974,900.00	Destroyer No. 218.....	276,371.21
Abbott.....	416,153.33	Destroyer No. 219.....	276,371.21
Ammunition ship No. 1.....	210,547.35	Destroyer No. 220.....	276,371.21
Anthony.....	315,937.07	Destroyer No. 221.....	276,371.21
Asheville.....	367,054.97	Destroyer No. 222.....	276,371.20
Auk.....	134,420.00	Destroyer No. 223.....	276,371.20
Avecot.....	328,465.37	Destroyer No. 224.....	276,371.20
Babbitt.....	368,535.80	Destroyer No. 225.....	276,371.20
Badger.....	368,535.81	Destroyer No. 226.....	276,371.20
Bagley.....	416,153.31	Destroyer No. 227.....	276,371.20
Bailey.....	315,937.07	Destroyer No. 228.....	276,371.20
Ballard.....	315,937.07	Destroyer No. 229.....	276,371.20
Bancroft.....	315,937.07	Destroyer No. 230.....	276,371.20
Barney.....	590,741.04	Destroyer No. 233.....	389,229.30
Belknap.....	315,937.07	Destroyer No. 234.....	389,229.30
Bell.....	779,618.81	Destroyer No. 235.....	389,229.30
Bernadou.....	690,741.04	Destroyer No. 236.....	389,229.30
Biddle.....	590,741.04	Destroyer No. 237.....	389,229.30
Bittern.....	241,623.96	Destroyer No. 238.....	389,229.30
Blakeley.....	590,741.04	Destroyer No. 239.....	389,229.30
Bobolink.....	328,475.40	Destroyer No. 240.....	389,229.30
Boggs.....	450,889.81	Destroyer No. 241.....	389,229.30
Brant.....	292,176.24	Destroyer No. 242.....	389,229.30
Brazos.....	562,177.64	Destroyer No. 243.....	389,229.30
Breckinridge.....	590,741.03	Destroyer No. 244.....	389,229.30
Breese.....	802,359.72	Destroyer No. 245.....	389,229.30
Brooks.....	389,229.30	Destroyer No. 246.....	389,229.31
Buchanan.....	340,083.77	Destroyer No. 247.....	389,229.31
Burnes, John Francis.....	373,463.48	Destroyer No. 248.....	389,229.31
Burns.....	589,617.55	Destroyer No. 249.....	389,229.31
Bush.....	261,508.06	Destroyer No. 250.....	389,229.31
California.....	5,901,511.11	Destroyer No. 258.....	315,937.07
Cardinal.....	289,303.02	Destroyer No. 259.....	315,937.07
Champlain.....	585,694.76	Destroyer No. 260.....	315,937.07
Chandler.....	276,371.21	Destroyer No. 274.....	315,937.07
Chauncey.....	373,463.48	Destroyer No. 275.....	315,937.07
Chew.....	585,694.79	Destroyer No. 276.....	315,937.07
Chewink.....	134,420.00	Destroyer No. 277.....	315,937.07
Claxton.....	199,712.90	Destroyer No. 278.....	315,937.07
Clemson.....	416,110.71	Destroyer No. 279.....	315,937.07
Cole.....	590,741.04	Destroyer No. 280.....	315,937.07
Colorado.....	2,611,912.31	Destroyer No. 281.....	315,937.07
Condor.....	118,116.96	Destroyer No. 282.....	315,937.06
Constellation.....	641,818.64	Destroyer No. 283.....	315,937.06
Cormorant.....	62,940.00	Destroyer No. 284.....	315,937.06
Cowell.....	261,508.06	Destroyer No. 285.....	315,937.06
Crane.....	585,694.77	Destroyer No. 286.....	315,937.06
Craven.....	822,801.08	Destroyer No. 287.....	315,937.06
Crosby.....	261,508.06	Destroyer No. 288.....	315,937.06
Crowdinshield.....	340,083.78	Destroyer No. 289.....	315,937.06
Curlow.....	287,058.78	Destroyer No. 290.....	315,937.06
Dahlgren.....	416,110.71	Destroyer No. 291.....	315,937.06
De Long.....	368,535.79	Destroyer No. 292.....	315,937.06
Delphy.....	315,937.07	Destroyer No. 293.....	315,937.06
Dent.....	1,147,941.17	Destroyer No. 294.....	315,937.06
Destroyer No. 157.....	385,639.55	Destroyer No. 295.....	315,937.06
Destroyer No. 159.....	385,639.54	Destroyer No. 307.....	373,463.48
Destroyer No. 160.....	385,639.60	Destroyer No. 310.....	373,463.48
Destroyer No. 183.....	416,110.71	Destroyer No. 311.....	373,463.48
Destroyer No. 194.....	416,110.71	Destroyer No. 312.....	373,463.48
Destroyer No. 195.....	416,110.71	Destroyer No. 313.....	373,463.48
Destroyer No. 196.....	416,110.71	Destroyer No. 314.....	373,463.48
Destroyer No. 197.....	416,110.71	Destroyer No. 315.....	373,463.48
Destroyer No. 198.....	416,110.71	Destroyer No. 316.....	373,463.48
Destroyer No. 199.....	416,110.71	Destroyer No. 317.....	373,463.48
Destroyer No. 200.....	416,110.71	Destroyer No. 318.....	373,463.48
Destroyer No. 201.....	416,110.72	Destroyer No. 319.....	373,463.48
Destroyer No. 202.....	416,110.72	Destroyer No. 320.....	373,463.48
Destroyer No. 203.....	416,110.72	Destroyer No. 321.....	373,463.48
Destroyer No. 204.....	416,110.72	Destroyer No. 322.....	373,463.48
Destroyer No. 205.....	416,110.72	Destroyer No. 323.....	373,463.48
Destroyer No. 208.....	276,371.21	Destroyer No. 324.....	373,463.48
Destroyer No. 209.....	276,371.21	Destroyer No. 325.....	373,463.48
Destroyer No. 210.....	276,371.21	Destroyer No. 326.....	373,463.48
Destroyer No. 211.....	276,371.21	Destroyer No. 327.....	373,463.47
Destroyer No. 212.....	276,371.21	Destroyer No. 328.....	373,463.47
Destroyer No. 213.....	276,371.21	Destroyer No. 329.....	373,463.47
Destroyer No. 214.....	276,371.21	Destroyer No. 330.....	373,463.47
Destroyer No. 215.....	276,371.21	Destroyer No. 331.....	373,463.47

Table 19.—COST OF CONSTRUCTION OF SHIPS (UNDER CONSTRUCTION) OF THE NAVY, JUNE 30, 1918—Continued.

Vessel.	Amount.	Vessel.	Amount.
Destroyer No. 332	\$373,463.47	Maury	\$778,908.09
Destroyer No. 333	373,463.47	McCalla	315,937.07
Destroyer No. 334	373,463.47	McCook	315,937.07
Destroyer No. 335	373,463.47	McDermut	315,937.07
Destroyer No. 336	10,287.66	McKen	585,694.82
Destroyer No. 337	1,108.64	McKee	585,709.54
Destroyer No. 338	1,052.48	McLanahan	315,937.07
Destroyer No. 339	1,065.21	Meredith	261,508.06
Destroyer No. 340	1,014.17	Montgomery	802,359.72
Destroyer No. 341	1,896.33	Morris	315,937.07
Destroyer No. 342	9,732.80	Mugford	585,694.75
Destroyer No. 343	8.77	Murray	779,453.54
Destroyer No. 344	373.15	N-5	390,308.14
Dorsey	1,137,544.07	O-1	488,878.23
Dupont	590,741.04	O-2	479,935.12
Eagle boats	1,384,823.88	O-7	522,958.14
Edwards	315,937.07	O-8	524,639.52
Elder	109,492.60	O-9	523,091.83
Elliot	589,697.04	O-10	511,637.13
Ellis	590,741.04	O-11	468,867.25
Evans	1,004,016.99	O-12	496,167.59
Falcon	193,022.08	O-13	468,584.10
Farquhar	373,463.48	O-14	419,777.58
Farragut	373,463.48	O-15	425,403.75
Finch	436,031.86	O-16	483,815.04
Flamingo	258,050.75	O'Bannon	585,694.80
Foote	261,508.06	Orlote	289,336.34
Fuller	373,463.48	Ortolan	91,707.19
Gamble	802,359.72	Osprey	193,022.04
Gannet	82,940.00	Palmer	261,508.06
Goldsborough	416,110.71	Partridge	238,534.26
Goshawk	82,940.00	Peacock	91,707.18
Graham	416,110.71	Pelican	193,022.03
Greene	585,694.80	Penquin	258,069.77
Greer	590,741.04	Perdval	343,463.48
Gridley	585,694.82	Philip	1,002,268.95
Gwin	750,370.38	Pigeon	22,503.51
Grebe	91,707.19	Plover	114,697.97
H-4	244,536.73	Quail	240,581.94
H-5	244,536.73	R-1	519,000.00
H-6	244,536.73	R-2	501,700.00
H-7	244,536.74	R-3	415,200.00
H-8	244,536.74	R-4	415,200.00
H-9	244,536.74	R-5	408,000.00
Hale	340,083.78	R-6	390,700.00
Hamilton	187,835.81	R-7	363,300.00
Haraden	416,153.31	R-8	363,426.00
Harding	585,694.83	R-9	380,850.00
Hart	696,802.53	R-10	331,075.00
Hatfield	389,229.30	R-11	331,075.00
Hazelwood	585,694.80	R-12	331,075.00
Heron	435,874.32	R-13	313,650.00
Hogan	585,694.80	R-14	313,650.00
Hopewell	416,153.33	R-15	644,725.00
Hospital ship No. 1	197,064.50	R-16	662,150.00
Howard	585,694.80	R-17	664,725.00
Idaho	10,441,964.24	R-18	575,025.00
Ingraham	598,802.54	R-19	575,025.00
Ingram	315,937.07	R-20	592,450.00
Israel	778,908.77	R-21	413,168.77
Jacob Jones	35,110.25	R-22	384,275.25
Jones, William	373,463.48	R-23	378,160.83
Kalk	315,937.07	R-24	371,564.08
Kennedy	373,463.48	R-25	348,330.96
Kennison	258,753.67	R-26	356,576.75
Kilty	802,359.72	R-27	348,579.75
Lamberton	802,359.72	Radford	802,359.71
Lansdale	778,908.09	Ramsay	802,359.71
Lark	323,442.87	Ranger	645,196.06
Leab	315,937.07	Raven	22,503.52
Lee	1,137,548.19	Redwing	22,503.51
Leary	385,639.55	Reno	373,463.48
Lexington	679,384.39	Renshaw	585,694.80
Luce	778,908.09	Ringgold	573,872.94
Ludlow	605,775.76	Rizal	585,694.80
Mason	416,110.71	Robin	237,882.79
Maryland	6,064,391.57	Robinson	597,516.70
Mackenzie	585,694.80	Rogers	261,508.06
Maddox	261,508.06	Roper	591,875.04
Mahan	778,908.65	S-1	594,500.00
Mallard	91,707.19	S-2	488,348.31

Table 19.—COST OF CONSTRUCTION OF SHIPS (UNDER CONSTRUCTION) OF THE NAVY, JUNE 30, 1918—Continued.

Vessel.	Amount.	Vessel.	Amount.
§-3.....	\$414,598.46	Tarbell.....	\$590,741.08
§-4.....	137,397.68	Tattnall.....	368,535.83
§-5.....	137,330.74	Teal.....	299,651.23
§-6.....	137,330.75	Tennessee.....	6,680,723.71
§-7.....	137,517.49	Tern.....	193,022.01
§-8.....	69,443.04	Thatcher.....	261,508.06
§-9.....	69,618.10	Thomas.....	416,153.31
§-10.....	69,618.10	Thompson.....	373,463.48
§-11.....	69,640.94	Thornton.....	315,937.07
§-12.....	68,128.39	Thrush.....	106,438.98
§-13.....	69,501.61	Tillman.....	108,070.29
§-14.....	446,070.17	Tingey.....	315,937.07
§-15.....	446,090.34	Tug No. 21.....	55,000.00
§-16.....	446,070.21	Tug No. 22.....	55,000.00
§-17.....	446,070.19	Tug No. 23.....	55,000.00
§-18.....	165,048.18	Tug No. 24.....	55,000.00
§-19.....	165,048.18	Tug No. 25.....	55,000.00
§-20.....	165,048.18	Tug No. 26.....	55,000.00
§-21.....	165,048.18	Tug No. 27.....	890.89
§-22.....	165,048.18	Tug No. 28.....	890.90
§-23.....	165,048.20	Tug No. 29.....	890.90
§-24.....	165,048.20	Tug No. 30.....	890.90
§-25.....	165,048.20	Tug No. 31.....	890.90
§-26.....	165,048.18	Tug No. 32.....	890.90
§-27.....	165,048.18	Tug No. 33.....	890.90
§-28.....	165,048.20	Tug No. 34.....	20,000.00
§-29.....	165,048.19	Tug No. 35.....	20,000.00
§-30.....	155,801.51	Tug No. 36.....	20,000.00
§-31.....	155,801.51	Tug No. 37.....	20,000.00
§-32.....	155,801.51	Tug No. 38.....	20,000.00
§-33.....	155,801.52	Tug No. 39.....	20,000.00
§-34.....	155,801.53	Tug No. 40.....	20,000.00
§-35.....	155,801.51	Tug No. 41.....	20,000.00
§-36.....	155,801.52	Tug No. 42.....	20,000.00
§-37.....	155,801.50	Tug No. 43.....	20,000.00
§-38.....	155,801.51	Tug No. 44.....	20,000.00
§-39.....	155,801.50	Tug No. 45.....	20,000.00
§-40.....	155,801.50	Tug No. 46.....	43.70
§-41.....	155,801.49	Tug No. 47.....	29.68
Sanderling.....	134,420.00	Tug No. 48.....	3,868.30
Sandpiper.....	1,806.18	Tug No. 49.....	420.04
Saratoga.....	32,861.63	Tug No. 50.....	393.38
Satterlee.....	416,110.71	Turkey.....	241,737.07
Schley.....	585,694.76	Twiggs.....	368,535.81
Scout cruiser No. 4.....	945,280.55	Upshur.....	590,741.04
Scout cruiser No. 5.....	734,043.51	Vireo.....	1,806.18
Scout cruiser No. 6.....	591,888.97	West Virginia.....	4,127,563.34
Scout cruiser No. 7.....	54,566.60	Wickes.....	1,001,759.80
Scout cruiser No. 8.....	54,566.60	Walker.....	261,508.06
Scout cruiser No. 9.....	194,825.98	Warbler.....	1,806.19
Scout cruiser No. 10.....	194,825.98	Ward.....	328,775.63
Seagull.....	193,022.03	Ward, Aaron.....	340,053.77
Semmes.....	416,110.71	Washington.....	3,219,573.05
Shrike.....	22,503.52	Waters.....	1,147,857.51
Shubrick.....	315,937.07	Wells.....	315,937.07
Somers.....	373,463.48	Whippoorwill.....	242,469.93
Souther.....	276,371.21	Widgeon.....	303,965.17
Sproston.....	585,694.80	Willet.....	1,806.18
Stansbury.....	589,617.56	Williams.....	585,694.80
Stoddert.....	373,463.48	Woodbury.....	373,463.48
Stribling.....	779,392.71	Woodcock.....	241,543.53
Swallow.....	237,882.78	Woolsey.....	1,002,711.00
Swan.....	242,148.78	Yarnall.....	590,741.04
Swasey.....	315,937.07		
Talbot.....	1,147,941.16	Total.....	196,667,658.69
Talbot, Fred. J.....	590,741.67		

Table 20.—AVERAGE COST OF MAINTAINING SHIPS IN COMMISSION (BY TYPES OF SHIPS).

FISCAL YEAR 1917.

Class.	Number.	Tonnage.	Average months in commission.	Total cost.	Average cost per vessel for 12 months.
Battleships:					
First line	17	435,450	9.18	\$13,244,420.45	\$1,018,409.87
Second line	23	308,146	3.7	11,057,913.78	1,559,282.76
Armored cruisers:	10	140,080	6	5,958,236.28	1,191,647.26
Cruisers:					
First class	5	46,465	4	2,361,477.32	1,416,886.31
Second class	4	25,065	4.5	1,186,149.67	790,766.71
Third class	16	50,820	6.9	3,073,688.23	431,922.80
Monitors:	9	32,944	5.9	1,291,989.45	291,975.00
Destroyers:	53	47,896	8.5	6,451,655.07	171,853.92
Submarines:	56		8.4	2,094,024.51	68,725.11
Coast torpedo vessels	34	9,841	5.1	1,875,277.46	129,776.88
Tenders to torpedo vessels	8	31,827	6.75	1,544,803.73	343,289.72
Gunboats:	29	26,173	8.41	3,096,054.01	152,333.59
Transports:	5	23,235	7.4	1,007,672.54	326,790.00
Supply ships:	5	33,900	9.8	949,535.60	232,539.32
Hospital ships:	1	5,700	12	368,214.99	368,214.99
Fuel ships:	23	287,790	10.9	3,599,408.08	167,961.16
Converted yachts:	15	6,568	5.33	669,515.96	100,490.16
Tugs:	49	20,591	17.14	1,344,182.17	19,205.81
Special type:	8	45,904	10.5	1,977,991.38	282,570.19
Unserviceable for war purposes:	21	42,991	3.4	1,048,866.48	176,280.00
Miscellaneous vessels:				11,413,204.39	

Table 21.—AVERAGE COST OF MAINTAINING SHIPS IN COMMISSION (BY TYPES OF SHIPS).

FISCAL YEAR 1918.

Class.	Number.	Tonnage.	Average months in commission.	Total cost.	Average cost per vessel for 12 months.
Battleships:					
First line	20	435,450	8.75	\$22,129,714.33	\$1,516,437.54
Second line	23	308,146	12	23,727,783.88	1,031,642.77
Armored cruisers:	10	140,080	10.8	9,275,254.86	1,030,563.76
Cruisers:					
First class	5	46,465	9.6	3,545,597.89	886,599.44
Second class	4	25,065	12	3,091,073.63	772,130.90
Third class	13	41,255	11.07	5,280,742.12	432,618.00
Monitors:	7	24,964	12	1,044,713.93	278,059.68
Destroyers:	89	94,854	6.9	11,681,897.75	217,035.81
Submarines:	76		7.71	3,622,891.65	74,192.04
Coast torpedo vessels	33	9,841	11.84	2,932,479.35	90,063.94
Tenders to torpedo vessels	8	31,917	10.5	2,971,078.86	424,439.76
Gunboats:	29	24,676	10	4,258,896.36	176,226.26
Transports:	5	32,235	12	2,732,256.90	546,451.38
Supply ships:	5	33,900	12	1,441,283.65	288,252.73
Hospital ships:	1	5,700	12	397,757.04	397,757.04
Fuel ships:	25	272,530	9.6	5,347,184.29	267,359.16
Converted yachts:	14	8,957	12	1,047,841.55	74,845.82
Tugs:	51	21,822	12	3,612,114.93	70,825.58
Special type:	8	45,904	12	2,961,633.94	370,211.74
Unserviceable for war purposes:	20	41,816		2,759,396.66	
Miscellaneous vessels:				123,359,707.19	

Table 22.—ARMAMENTS AND COMPLEMENTS OF SHIPS.

Name and official number.	Batteries.						Officers.	Men. ¹
	Guns.				Torpedo tubes.			
	Turret.	Secondary.	Antiaircraft.	Saluting.	Submerged.	Above water.		
1 Arizona (39).....	12 14", 45 cal.	14 5", 51 cal.	4 3", 50 cal.	.....	2 21"	.....	65	1,565
2 Arkansas (33).....	12 12", 50 cal.	16 5", 51 cal.	2 3", 50 cal.	.....	2 21"	.....	65	1,529
3 California (44).....	12 14", 50 cal.	14 5", 51 cal.	4 3", 50 cal.	.....	2 21"	.....	65	1,565
4 Colorado (45).....	8 16", 45 cal.	14 5", 51 cal.	4 3", 50 cal.	4 6-pdr	2 21"	.....	61	1,565
5 Delaware (28).....	10 12", 45 cal.	14 5", 51 cal.	2 3", 50 cal.	.....	2 21"	.....	63	1,321
6 Florida (30).....	10 12", 45 cal.	14 5", 51 cal.	2 3", 50 cal.	.....	2 21"	.....	63	1,321
7 Idaho (42).....	12 14", 50 cal.	14 5", 51 cal.	4 3", 50 cal.	.....	2 21"	.....	65	1,535
8 Maryland (46).....	8 16", 45 cal.	14 5", 51 cal.	4 3", 50 cal.	4 6-pdr	2 21"	.....	61	1,565
9 Michigan (27).....	8 12", 45 cal.	14 5", 50 cal.	2 3", 50 cal.	.....	2 21"	.....	61	1,095
10 Mississippi (41).....	12 14", 50 cal.	14 5", 51 cal.	4 3", 50 cal.	.....	2 21"	.....	65	1,535
11 Montana (51).....	12 16", 50 cal.	16 5", 53 cal.	4 3", 50 cal.	.....	2 21"	.....	.....	.....
12 Nevada (36).....	10 14", 45 cal.	12 5", 51 cal.	2 3", 50 cal.	.....	2 21"	.....	63	1,535
13 New Mexico (40).....	12 14", 50 cal.	14 5", 51 cal.	4 3", 50 cal.	.....	2 21"	.....	65	1,495
14 New York (34).....	10 14", 45 cal.	16 5", 51 cal.	2 3", 50 cal.	.....	4 21"	.....	63	1,482
15 North Carolina (52).....	12 16", 50 cal.	16 5", 53 cal.	4 3", 50 cal.	.....	2 21"	.....	.....	.....
16 North Dakota (29).....	10 12", 45 cal.	14 5", 51 cal.	2 3", 50 cal.	.....	2 21"	.....	64	1,221
17 Oklahoma (37).....	10 14", 45 cal.	12 5", 51 cal.	2 3", 50 cal.	.....	2 21"	.....	63	1,565
18 Pennsylvania (28).....	12 14", 45 cal.	14 5", 51 cal.	4 3", 50 cal.	.....	2 21"	.....	65	1,495
19 South Carolina (26).....	8 12", 45 cal.	14 5", 50 cal.	2 3", 50 cal.	.....	2 21"	.....	61	1,295
20 South Dakota (49).....	12 16", 50 cal.	16 5", 53 cal.	4 3", 50 cal.	.....	2 21"	.....	.....	.....
21 Tennessee (43).....	12 14", 50 cal.	14 5", 51 cal.	4 3", 50 cal.	.....	2 21"	.....	65	1,565
22 Texas (35).....	10 14", 45 cal.	16 5", 51 cal.	2 3", 50 cal.	.....	4 21"	.....	63	1,549
23 Utah (31).....	10 12", 45 cal.	12 5", 51 cal.	2 3", 50 cal.	.....	2 21"	.....	63	1,321
24 Washington (47).....	8 16", 45 cal.	14 5", 51 cal.	4 3", 50 cal.	4 6-pdr	2 21"	.....	61	1,565
25 West Virginia (48).....	8 16", 45 cal.	14 5", 51 cal.	4 2", 30 cal.	4 6-pdr	2 21"	.....	61	1,565
26 Wyoming (32).....	12 12", 50 cal.	16 5", 51 cal.	2 3", 50 cal.	.....	2 21"	.....	65	1,529
27 Number 50.....	12 16", 50 cal.	16 5", 53 cal.	4 3", 50 cal.	.....	2 21"	.....	.....	.....
28 Number 53.....	12 16", 50 cal.	16 5", 53 cal.	4 3", 50 cal.	.....	2 21"	.....	.....	.....
29 Number 54.....	12 16", 50 cal.	16 5", 53 cal.	4 3", 50 cal.	.....	2 21"	.....	.....	.....

BATTLESHIPS—MIXED CALIBER.

1 Alabama (8).....	4 13", 35 cal.	8 6", 40 cal.	2 3", 50 cal.	.....	.....	.....	43	845
2 Connecticut (18).....	4 12", 45 cal. 8 8", 45 cal.	12 3", 50 cal.	2 3", 50 cal.	.....	4 21"	.....	62	1,252
3 Georgia (15).....	4 12", 40 cal. 8 8", 45 cal.	8 3", 50 cal.	2 3", 50 cal.	.....	4 21"	.....	52	1,056
4 Illinois (7).....	4 13", 35 cal.	8 6", 40 cal.	2 3", 50 cal.	.....	.....	.....	43	818
5 Indiana (1).....	4 13", 35 cal. 8 8", 35 cal.	4 3", 50 cal.	.....	.....	.....	.....	41	810
6 Iowa (4).....	4 12", 35 cal. 8 8", 35 cal.	4 4", 40 cal.	.....	.....	.....	.....	41	845
7 Kansas (21).....	4 12", 45 cal. 8 8", 45 cal.	12 3", 50 cal.	2 3", 50 cal.	.....	4 21"	.....	52	1,281
8 Kearsarge (5).....	4 13", 35 cal. 8 8", 35 cal.	8 5", 40 cal.	2 3", 50 cal.	.....	.....	.....	39	853
9 Kentucky (6).....	4 13", 35 cal. 8 8", 35 cal.	8 5", 40 cal.	2 3", 50 cal.	.....	.....	.....	39	853
10 Louisiana (19).....	4 12", 45 cal. 8 8", 45 cal.	12 3", 50 cal.	2 3", 50 cal.	.....	4 21"	.....	52	1,253
11 Maine (10).....	4 12", 40 cal.	8 6", 50 cal.	2 3", 50 cal.	.....	2 18"	.....	44	916
12 Massachusetts (2).....	4 13", 35 cal. 8 8", 35 cal.	4 3", 50 cal.	.....	.....	.....	.....	41	810
13 Minnesota (22).....	4 12", 45 cal. 8 8", 45 cal.	12 3", 50 cal.	2 3", 50 cal.	.....	4 21"	.....	52	1,271
14 Missouri (11).....	4 12", 40 cal.	8 6", 50 cal.	2 3", 50 cal.	.....	2 18"	.....	44	1,054
15 Nebraska (14).....	4 12", 40 cal. 8 8", 45 cal.	8 3", 50 cal.	2 3", 50 cal.	.....	4 21"	.....	52	1,056
16 New Hampshire (25).....	4 12", 45 cal. 8 8", 45 cal.	12 3", 50 cal.	2 3", 50 cal.	.....	4 21"	.....	52	1,292
17 New Jersey (16).....	4 12", 40 cal. 8 8", 45 cal.	8 3", 50 cal.	2 3", 50 cal.	.....	4 21"	.....	52	1,056
18 Ohio (12).....	4 12", 40 cal.	8 6", 50 cal.	2 3", 50 cal.	.....	2 18"	.....	44	916
19 Oregon (3).....	4 13", 35 cal. 8 8", 45 cal.	4 3", 50 cal.	.....	.....	.....	.....	41	810
20 Rhode Island (17).....	4 12", 40 cal. 8 8", 45 cal.	8 3", 50 cal.	2 3", 50 cal.	.....	4 21"	.....	52	1,090
21 Vermont (20).....	4 12", 45 cal. 8 8", 45 cal.	12 3", 50 cal.	2 3", 50 cal.	.....	4 21"	.....	52	1,292

¹ Includes marines; also chief petty officers.² Additional for flagship.³ Four 8" guns in superposed turrets.

Table 22.—ARMAMENTS AND COMPLEMENTS OF SHIPS—Continued.

BATTLESHIPS—MIXED CALIBER—Continued.

	Name and official number.	Batteries.					Officers.	Men.
		Guns.				Torpedo tubes.		
		Turret.	Secondary.	Antiaircraft.	Saluting.	Submerged.			Above water.
22	Virginia (13).....	4 12", 40 cal. 3 8", 45 cal.	8 3", 50 cal.	2 3", 50 cal.		4 21"	52	1,080
23	Wisconsin (9).....	4 13", 35 cal.	8 6", 40 cal.	2 3", 50 cal.			43	791
1	Constellation (2).....	8 18", 50 cal.	14 6", 53 cal.	4 3", 50 cal.		4 21", 4 21"		
2	Constitution (5).....	8 16", 50 cal.	14 6", 53 cal.	4 3", 50 cal.		4 21", 4 21"		
3	Lexington (1).....	8 16", 50 cal.	14 6", 53 cal.	4 3", 50 cal.		4 21", 4 21"		
4	Ranger (4).....	8 16", 50 cal.	14 6", 53 cal.	4 3", 50 cal.		4 21", 4 21"		
5	Saratoga (3).....	8 18", 50 cal.	14 6", 53 cal.	4 3", 50 cal.		4 21", 4 21"		
6	Number 6.....	8 18", 50 cal.	14 6", 53 cal.	4 3", 50 cal.		4 21", 4 21"		

ARMORED CRUISERS.

1	Frederick (8).....	4 6", 45 cal.	4 6", 50 cal. 10 3", 50 cal.	2 3", 50 cal.		2 18"	50	1,075
2	Huntington (5).....	4 6", 45 cal.	4 6", 50 cal. 10 3", 50 cal.	2 3", 50 cal.		2 18"	50	1,075
3	Montana (13).....	4 10", 40 cal.	4 6", 50 cal. 12 3", 50 cal.	2 3", 50 cal.		4 21"	53	1,098
4	North Carolina (12).....	4 10", 40 cal.	4 6", 50 cal. 12 3", 50 cal.	2 3", 50 cal.	4 6-pdr.	4 21"	53	1,098
5	Pittsburgh (4).....	4 6", 45 cal.	4 6", 50 cal. 10 3", 50 cal.	2 3", 50 cal.		2 18"	50	1,075
6	Pueblo (7).....	4 6", 45 cal.	4 6", 50 cal. 10 3", 50 cal.	2 3", 50 cal.		2 18"	50	1,075
7	Seattle (11).....	4 10", 40 cal.	4 6", 50 cal. 12 3", 50 cal.	2 3", 50 cal.		4 21"	50	1,098
8	South Dakota (9).....	4 6", 45 cal.	4 6", 50 cal. 10 3", 50 cal.	2 3", 50 cal.		2 18"	50	1,075

MONITORS.

1	Amphitrite.....	4 10", 30 cal.	2 4", 40 cal.; 2 3-pdr.			21-pdr.	18	226
2	Cheyenne (10).....	2 12", 40 cal.	4 4", 50 cal.; 2 6-pdr.	1 3", 50 cal.		21-pdr.	17	224
3	Monadnock.....	4 10", 30 cal.	2 4", 40 cal.; 4 6-pdr.			21-pdr.	18	232
4	Monterey.....	2 10", 30 cal. 2 12", 35 cal.	6 6-pdr.			11-pdr.	18	232
5	Ozark (7).....	2 12", 40 cal.	4 4", 50 cal.; 2 6-pdr.	1 3", 50 cal.		21-pdr.	17	224
6	Tallahassee (9).....	2 12", 40 cal.	4 4", 50 cal.; 2 6-pdr.	1 3", 50 cal.		21-pdr.	17	224
7	Tonopah (8).....	2 12", 40 cal.	4 4", 50 cal.; 2 6-pdr.	1 3", 50 cal.		21-pdr.	17	224

¹ Four 8" guns in superposed turrets.

CRUISERS—FIRST CLASS.

Name and official number.	Batteries.		Officers.	Men.
	Guns.	Torpedo tubes.		
Brooklyn (3).....	8 8" 35-cal.; 8 5" 40-cal.; 2 3" anti-aircraft; 4 6-pdr. saluting.		49	1,633
Charleston (23).....	12 6" 50-cal.; 4 3" 50-cal.; 2 3" anti-aircraft; 4 3-pdr. saluting.		41	754
Recheater (2).....	4 8" 45-cal.; 10 8" 50-cal.; 2 3" 50-cal. anti-aircraft.		45	582
St. Louis (20).....	12 6" 50-cal.; 4 3" 50-cal.; 2 3" anti-aircraft.		45	754

¹ Additional for flagship.² Four 8" guns in superposed turrets.

Table 22.—ARMAMENTS AND COMPLEMENTS OF SHIPS—Continued.

CRUISERS—SECOND CLASS.

Name and official number.	Batteries.		Officers.	Men.
	Guns.	Torpedo tubes.		
Chicago.....	4 5" 51-cal.; 1 3-pdr.; 2 1-pdr.; 2 machine.		30	403
Columbia (12).....	3 6" 45-cal.; 4 4" 40-cal.; 2 3" anti-aircraft.		29	451
Minneapolis (13).....	3 6" 45-cal.; 4 4" 40-cal.; 2 3" anti-aircraft; 2 1-pdr. saluting.		29	460
Olympia (6).....	10 5" 51-cal.; 2 1-pdr.		28	411
No. 4 ¹	8 6" 53-cal.; 2 3" anti-aircraft; 2 3-pdr. saluting.	2 21" twin, above water...	34	330
No. 5 ¹	8 6" 53-cal.; 2 3" anti-aircraft; 2 3-pdr. saluting.	2 21" twin, above water...	34	330
No. 6 ¹	8 6" 53-cal.; 2 3" anti-aircraft; 2 3-pdr. saluting.	2 21" twin, above water...	34	330
No. 7 ¹	8 6" 53-cal.; 2 3" anti-aircraft; 2 3-pdr. saluting.	2 21" twin, above water...	34	330
No. 8 ¹	8 6" 53-cal.; 2 3" anti-aircraft; 2 3-pdr. saluting.	2 21" twin, above water...	34	330
No. 9 ¹	8 6" 53-cal.; 2 3" anti-aircraft; 2 3-pdr. saluting.	2 21" twin, above water...	34	330
No. 10 ¹	8 6" 53-cal.; 2 3" anti-aircraft; 2 3-pdr. saluting.	2 21" twin, above water...	34	330
No. 11 ¹	8 6" 53-cal.; 2 3" anti-aircraft; 2 3-pdr. saluting.	2 21" twin, above water...	34	330
No. 12 ¹	8 6" 53-cal.; 2 3" anti-aircraft; 2 3-pdr. saluting.	2 21" twin, above water...	34	330
No. 13 ¹	8 6" 53-cal.; 2 3" anti-aircraft; 2 3-pdr. saluting.	2 21" twin, above water...	34	330

CRUISERS—THIRD CLASS.

Albany.....	8 5" 50-cal.; 2 3-pdr.		17	321
Anniston (9).....	8 4" 40-cal. R. F.		17	258
Birmingham (2) ¹	4 5" 51-cal.; 2 3" 50-cal.; 1 3" anti-aircraft.	2 21" above water	17	* 405
Chattanooga (16).....	8 5" 50-cal.; 6 6-pdr.		17	294
Chester (1) ¹	4 5" 51-cal.; 2 3" 50-cal.; 1 3" anti-aircraft.	2 21" above water	17	387
Cincinnati (7).....	9 5" 40-cal.; 4 6-pdr. S. A.		17	312
Cleveland (19).....	8 5" 50-cal.; 6 6-pdr.		17	294
Denver (14).....	8 5" 50-cal.; 6 6-pdr.		17	333
Des Moines (15).....	8 5" 50-cal.; 6 6-pdr.		17	313
Galveston (17).....	8 5" 50-cal.; 6 6-pdr.		17	332
Marblehead (11).....	8 4" 40-cal.		17	255
New Orleans.....	8 5" 50-cal.; 2 1-pdr.		17	321
Raleigh (8).....	9 5" 40-cal.; 4 6-pdr.		17	277
Salem (3) ¹	4 5" 51-cal.; 2 3" 50-cal.; 1 3" anti-aircraft.	2 21" above water	17	387
Tacoma (18).....	8 5" 50-cal.; 6 6-pdr.		17	294

DESTROYERS.

Abbott (184).....	4 4" 50-cal.; 2 3" 23-cal. A. A.	4 21" triple.	8	125
Allen (66).....	4 4" 50-cal. R. F.	4 triple 21"	5	98
Ammen (35).....	5 3" 50-cal. R. F.	3 twin 18"	4	87
Anthony (173).....	4 4" 50-cal.; 2 3" 23-cal. A. A.	4 21" triple.	8	125
Aylwin (47).....	4 4" 50-cal. R. F.	4 twin 18"	5	96
Babbitt (128).....	4 4" 50-cal.; 2 3" 23-cal. A. A.	4 21" triple.	8	125
Badger (126).....	4 4" 50-cal.; 2 3" 23-cal. A. A.	4 21" triple.	8	125
Bagley (185).....	4 4" 50-cal.; 2 3" 23-cal. A. A.	4 21" triple.	8	125
Bailey (269).....	4 4" 50-cal.; 1 3" 23-cal. A. A.	4 21" triple.	8	125
Bainbridge (1).....	2 3" 50-cal. R. F.; 5 6-pdr. R. F.	2 18"	3	73
Balch (50).....	4 4" 50-cal. R. F.	4 twin 18"	5	96
Ballard (267).....	4 4" 50-cal.; 1 3" 23-cal. A. A.	4 21" triple.	8	125
Bancroft (256).....	4 4" 50-cal.; 1 3" 23-cal. A. A.	4 21" triple.	8	125
Barney (149).....	4 4" 50-cal.; 2 3" 23-cal. A. A.	4 21" triple.	8	125
Barry (2).....	2 3" 50-cal. R. F.; 5 6-pdr. R. F.	2 18"	3	73
Eeale (40).....	5 3" 50-cal. R. F.	3 twin 18"	4	87
Belknap (251).....	4 4" 50-cal.; 1 3" 23-cal. A. A.	4 21" triple.	8	125
Bell (95).....	4 4" 50-cal.; 2 1-pdr. auto. A. A.	4 21" triple.	8	125
Benham (49).....	4 4" 50-cal. R. F.	4 twin 18"	5	96
Bernadou (153).....	4 4" 50-cal.; 2 3" 23-cal. A. A.	4 21" triple.	8	125
Biddle (151).....	4 4" 50-cal.; 2 3" 23-cal. A. A.	4 21" triple.	8	125
Blakeley (150).....	4 4" 50-cal.; 2 3" 23-cal. A. A.	4 21" triple.	8	125
Boggs (136).....	4 4" 50-cal.; 2 3" 23-cal. A. A.	4 21" triple.	8	125
Branch (310).....	4 4" 50-cal.; 1 3" 23-cal. A. A.	4 21" triple.	6	125
Breckenridge (148).....	4 4" 50-cal.; 2 3" 23-cal. A. A.	4 21" triple.	8	125

¹ Scout cruisers.² Additional for flagship.

Table 23.—ARMAMENTS AND COMPLEMENTS OF SHIPS—Continued.

DESTROYERS—Continued.

Name and official number.	Batteries.		Officers.	Men.
	Guns.	Torpedo tubes.		
Breese (122).....	4 4" 50-cal.; 2 3" 23-cal. A. A.	4 21" triple.....	8	125
Brooks (232).....	4 5" 51-cal.; 1 3" 23-cal. A. A.	4 21" triple.....	8	125
Buchanan (131).....	4 4" 50-cal.; 2 3" 23-cal. A. A.	4 21" triple.....	8	125
Burnes, John Francis (299).....	4 4" 50-cal.; 1 3" 23-cal. A. A.	4 21" triple.....	8	125
Burns (171).....	4 4" 50-cal.; 2 3" 23-cal. A. A.	4 21" triple.....	8	125
Burrows (29).....	5 3" 50-cal. R. F.	3 twin 18".....	4	87
Bush (166).....	4 4" 50-cal.; 2 3" 23-cal. A. A.	4 21" triple.....	8	125
Caldwell (69).....	4 4" 50-cal. R. F.; 2 1-pdr. auto. anti-aircraft.	4 triple 21".....	5	98
Cassin (43).....	4 4" 50-cal. R. F.	4 twin 18".....	5	96
Champlin (104).....	4 4" 50-cal.; 2 1-pdr. auto. A. A.	4 21" triple.....	8	125
Chandler (206).....	4 4" 50-cal.; 1 3" 23-cal. A. A.	4 21" triple.....	6	125
Chaney (296).....	4 4" 50-cal.; 1 3" 23-cal. A. A.	4 21" triple.....	8	125
Chew (106).....	4 4" 50-cal.; 2 1-pdr. auto. A. A.	4 21" triple.....	8	125
Claixon (140).....	4 4" 50-cal.; 2 3" 23-cal. A. A.	4 21" triple.....	8	125
Clemson (186).....	4 4" 50-cal.; 1 3" 23-cal. A. A.	4 21" triple.....	8	125
Cole (155).....	4 4" 50-cal.; 2 3" 23-cal. A. A.	4 21" triple.....	8	125
Colhoun (85).....	4 4" 50-cal.; 2 1-pdr. auto. A. A.	4 21" triple.....	8	125
Conner (72).....	4 4" 50-cal. R. F.; 2 1-pdr. auto. anti-aircraft.	4 triple 21".....	5	98
Conyngham (58).....	4 4" 50-cal. R. F.	4 twin 21".....	5	96
Cowell (167).....	4 4" 50-cal.; 2 3" 23-cal. A. A.	4 21" triple.....	8	125
Crane (109).....	4 4" 50-cal.; 2 1-pdr. auto. A. A.	4 21" triple.....	8	125
Craven (70).....	4 4" 50-cal. R. F.; 2 1-pdr. auto. anti-aircraft.	4 triple 21".....	5	98
Crosby (164).....	4 4" 50-cal.; 2 3" 23-cal. A. A.	4 triple 21".....	8	125
Cummings (44).....	4 4" 50-cal. R. F.	4 twin 18".....	5	96
Cushing (55).....	4 4" 50-cal. R. F.	4 twin 21".....	5	96
Dahlgren (187).....	4 4" 50-cal.; 1 3" 23-cal. A. A.	4 triple 21".....	8	125
Dale (4).....	2 3" 50-cal. R. F.; 5 6-pdr. R. F.	2 triple 18".....	3	73
Davis (65).....	4 4" 50-cal. R. F.	4 triple 21".....	5	98
Decatur (5).....	2 3" 50-cal. R. F.; 5 6-pdr. R. F.	2 triple 18".....	3	73
De Long (129).....	4 4" 50-cal.; 2 3" 23-cal. A. A.	4 triple 21".....	8	125
Delphy (261).....	4 4" 50-cal.; 1 3" 23-cal. A. A.	4 triple 21".....	8	125
Dent (116).....	4 4" 50-cal.; 2 3" 23-cal. A. A.	4 triple 21".....	8	125
Dorsey (117).....	4 4" 50-cal.; 2 3" 23-cal. A. A.	4 triple 21".....	8	125
Downes (45).....	4 4" 50-cal. R. F.	4 twin 18".....	5	96
Drayton (23).....	5 3" 50-cal. R. F.	3 twin 18".....	4	97
Duncan (46).....	4 4" 50-cal. R. F.	4 twin 18".....	5	98
Du Pont (152).....	4 4" 50-cal.; 2 3" 23-cal. A. A.	4 triple 21".....	8	125
Dyer (84).....	4 4" 50-cal.; 2 1-pdr. auto. A. A.	4 triple 21".....	8	125
Edwards (265).....	4 4" 50-cal.; 1 3" 23-cal. A. A.	4 triple 21".....	8	125
Elliot (146).....	4 4" 50-cal.; 2 3" 23-cal. A. A.	4 triple 21".....	8	125
Ellis (154).....	4 4" 50-cal.; 2 3" 23-cal. A. A.	4 triple 21".....	8	125
Ericsson (56).....	4 4" 50-cal. R. F.	4 twin 21".....	5	96
Evans (78).....	4 4" 50-cal.; 2 1-pdr. auto. A. A.	4 triple 21".....	8	125
Fairfax (93).....	4 4" 50-cal.; 2 1-pdr. auto. A. A.	4 triple 21".....	8	125
Fanning (37).....	5 3" 50-cal. R. F.	3 twin 18".....	4	87
Farquhar (304).....	4 4" 50-cal.; 1 3" 50-cal. A. A.	4 triple 21".....	8	125
Farragut (300).....	4 4" 50-cal.; 1 3" 50-cal. A. A.	4 triple 21".....	8	125
Flusser (20).....	5 3" 50-cal. R. F.	3 twin 18".....	4	84
Footes (169).....	4 4" 50-cal.; 2 3" 50-cal. A. A.	4 triple 21".....	8	125
Fuller (297).....	4 4" 50-cal.; 1 3" 50-cal. A. A.	4 triple 21".....	8	125
Gamble (123).....	4 4" 50-cal.; 2 3" 50-cal. A. A.	4 triple 21".....	8	125
Goldborough (188).....	4 4" 50-cal.; 1 3" 50-cal. A. A.	4 triple 21".....	8	125
Graham (192).....	4 4" 50-cal.; 1 3" 50-cal. A. A.	4 triple 21".....	8	125
Greene (266).....	4 4" 50-cal.; 1 3" 50-cal. A. A.	4 triple 21".....	8	125
Greer (145).....	4 4" 50-cal.; 2 3" 50-cal. A. A.	4 triple 21".....	8	125
Gregory (82).....	4 4" 50-cal.; 2 1-pdr. auto. A. A.	4 triple 21".....	8	125
Gridley (92).....	4 4" 50-cal.; 2 1-pdr. auto. A. A.	4 triple 21".....	8	125
Gwin (71).....	4 4" 50-cal. R. F.; 2 1-pdr. auto. anti-aircraft.	4 triple 21".....	5	98
Hamilton (141).....	4 4" 50-cal.; 2 3" 23-cal. A. A.	4 triple 21".....	8	125
Haraden (183).....	4 4" 50-cal.; 2 3" 23-cal. A. A.	4 triple 21".....	8	125
Harding (91).....	4 4" 50-cal.; 2 1-pdr. auto. A. A.	4 triple 21".....	8	125
Hart (110).....	4 4" 50-cal.; 2 3" 23-cal. A. A.	4 triple 21".....	8	125
Hatfield (231).....	4 4" 50-cal.; 1 3" 23-cal. A. A.	4 triple 21".....	8	125
Hazelwood (107).....	4 4" 50-cal.; 2 1-pdr. auto. A. A.	4 triple 21".....	8	125
Henley (39).....	5 3" 50-cal. R. F.	3 twin 18".....	4	87
Herbert (160).....	4 4" 50-cal.; 2 3" 23-cal. A. A.	4 triple 21".....	6	125
Hogan (178).....	4 4" 50-cal.; 2 3" 23-cal. A. A.	4 triple 21".....	8	125
Hopewell (181).....	4 4" 50-cal.; 2 3" 23-cal. A. A.	4 triple 21".....	8	125
Hopkins (6).....	2 3" 50-cal. R. F.; 6 6-pdr. R. F.	2 triple 18".....	3	73
Howard (179).....	4 4" 50-cal.; 2 3" 23-cal. A. A.	4 triple 21".....	8	125
Hull (7).....	2 3" 50-cal. R. F.; 6 6-pdr. R. F.	2 triple 18".....	3	73

Table 22.—ARMAMENTS AND COMPLEMENTS OF SHIPS—Continued.

DESTROYERS—Continued.

Name and official number.	Batteries.		Offic-ers.	Men.
	Guns.	Torpedo tubes.		
Ingraham (111).....	4 4" 50-cal.; 23" 23-cal. A. A.	4 triple 21"	8	125
Ingram (255).....	4 4" 50-cal.; 13" 23-cal. A. A.	4 triple 21"	8	125
Isabel (S. P. 521).....	4 3" 50-cal. S. A.; 2 mach. A. A.	2 twin 18"	6	97
Israel (98).....	4 4" 50-cal.; 21-pdr. auto. A. A.	4 triple 21"	8	125
Jarvis (38).....	5 3" 50-cal. R. F.	3 twin 18"	4	87
Jenkins (42).....	5 3" 50-cal. R. F.	3 twin 18"	4	87
Jones, Jacob (130).....	4 4" 50-cal.; 23" 23-cal. A. A.	4 triple 21"	8	125
Jouett (41).....	5 3" 50-cal. R. F.	3 twin 18"	4	87
Kalk (254).....	4 4" 50-cal.; 13" 23-cal. A. A.	4 triple 21"	8	125
Kennison (138).....	4 4" 50-cal.; 23" 23-cal. A. A.	4 triple 21"	8	125
Kilty (137).....	4 4" 50-cal.; 23" 23-cal. A. A.	4 triple 21"	8	125
Kimberly (80).....	4 4" 50-cal.; 21-pdr. auto. A. A.	4 triple 21"	8	125
Lamberton (119).....	4 4" 50-cal.; 23" 23-cal. A. A.	4 triple 21"	8	125
Lamson (18).....	5 3" 50-cal. R. F.	3 twin 18"	4	84
Lansdale (101).....	4 4" 50-cal.; 21-pdr. auto. A. A.	4 triple 21"	8	125
Laub (263).....	4 4" 50-cal.; 13" 23-cal. A. A.	4 triple 21"	8	125
Lawrence (8).....	7 6-pdr. R. F.	2 triple 18"	3	73
Lea (118).....	4 4" 50-cal.; 23" 23-cal. A. A.	4 triple 21"	8	125
Leary (158).....	4 4" 50-cal.; 23" 23-cal. A. A.	4 triple 21"	8	125
Little (79).....	4 4" 50-cal.; 21-pdr. auto. A. A.	4 triple 21"	8	125
Luce (99).....	4 4" 50-cal.; 21-pdr. auto. A. A.	4 triple 21"	8	125
Ludlow (112).....	4 4" 50-cal.; 23" 23-cal. A. A.	4 triple 21"	8	100
Mackenzie (175).....	4 4" 50-cal.; 23" 23-cal. A. A.	4 triple 21"	8	100
Maddox (168).....	4 4" 50-cal.; 23" 23-cal. A. A.	4 triple 21"	8	100
Mahan (102).....	4 4" 50-cal.; 21-pdr. auto. A. A.	4 triple 21"	8	125
Manley (74).....	4 4" 50-cal. R. F.; 2 1-pdr. auto. anti-aircraft.	4 triple 21"	5	98
Mason (191).....	4 4" 50-cal.; 13" 23-cal. A. A.	4 triple 21"	8	125
Mauzy (100).....	4 4" 50-cal.; 21-pdr. auto. A. A.	4 triple 21"	8	125
Mayrant (31).....	5 3" 50-cal. R. F.	3 twin 18"	4	98
McCall (28).....	5 3" 50-cal. R. F.	3 twin 18"	4	74
McCalla (253).....	4 4" 50-cal.; 13" 23-cal. A. A.	4 triple 21"	8	125
McCook (252).....	4 4" 50-cal.; 13" 23-cal. A. A.	4 triple 21"	8	125
McDermut (262).....	4 4" 50-cal.; 13" 23-cal. A. A.	4 triple 21"	8	125
McDougal (54).....	4 4" 50-cal. R. F.	4 twin 21"	5	87
Macdonough (9).....	7 6-pdr. R. F.	2 triple 18"	3	73
McKean (90).....	4 4" 50-cal.; 21-pdr. auto. A. A.	4 triple 21"	8	125
McKee (87).....	4 4" 50-cal.; 21-pdr. auto. A. A.	4 triple 21"	8	125
McLanahan (264).....	4 4" 50-cal.; 13" 23-cal. A. A.	4 triple 21"	8	125
Meredith (165).....	4 4" 50-cal.; 23" 23-cal. A. A.	4 triple 21"	8	126
Monaghan (32).....	5 3" 50-cal. R. F.	3 twin 18"	4	87
Montgomery (121).....	4 4" 50-cal.; 23" 23-cal. A. A.	4 triple 21"	8	125
Morris (271).....	4 4" 50-cal.; 13" 23-cal. A. A.	4 triple 21"	8	125
Mugford (105).....	4 4" 50-cal.; 21-pdr. auto. A. A.	4 triple 21"	8	125
Murray (97).....	4 4" 50-cal.; 21-pdr. auto. A. A.	4 triple 21"	8	125
Nicholson (52).....	4 4" 50-cal. R. F.	4 twin 21"	5	98
O'Bannon (177).....	4 4" 50-cal.; 23" 23-cal. A. A.	4 triple 21"	8	125
O'Brien (51).....	4 4" 50-cal. R. F.	4 twin 21"	5	98
Palmer (161).....	4 4" 50-cal.; 23" 23-cal. A. A.	4 triple 21"	8	125
Parker (48).....	4 4" 50-cal. R. F.	4 twin 18"	5	98
Patterson (36).....	5 3" 50-cal. R. F.	3 twin 18"	4	87
Paulding (22).....	5 3" 50-cal. R. F.	3 twin 18"	4	87
Paul Jones (10).....	2 3" 50-cal. R. F.; 5 6-pdr. R. F.	2 18"	3	73
Percival (298).....	4 4" 50-cal.; 13" 23-cal. A. A.	4 triple 21"	8	125
Perkins (26).....	5 3" 50-cal. R. F.	3 twin 18"	4	87
Perry (11).....	2 3" 50-cal. R. F.; 5 6-pdr. R. F.	2 18"	3	73
Philip (76).....	4 4" 50-cal.; 21-pdr. auto. A. A.	4 triple 21"	8	125
Porter (59).....	4 4" 50-cal. R. F.	4 twin 21"	5	98
Preble (12).....	2 3" 50-cal. R. F.; 5 6-pdr. R. F.	2 18"	3	73
Preston (19).....	5 3" 50-cal. R. F.	3 twin 18"	4	84
Radford (120).....	4 4" 50-cal.; 23" 23-cal. A. A.	4 triple 21"	8	125
Ramsay (124).....	4 4" 50-cal.; 23" 23-cal. A. A.	4 triple 21"	8	125
Rathburne (113).....	4 4" 50-cal.; 23" 23-cal. A. A.	4 triple 21"	8	125
Reid (21).....	5 3" 50-cal. R. F.	3 twin 18"	4	84
Reno (308).....	4 4" 50-cal.; 13" 23-cal. A. A.	4 triple 21"	8	125
Renshaw (176).....	4 4" 50-cal.; 23" 23-cal. A. A.	4 triple 21"	8	125
Ringgold (89).....	4 4" 50-cal.; 21-pdr. auto. A. A.	4 triple 21"	8	125
Rital (174).....	4 4" 50-cal.; 23" 23-cal. A. A.	4 triple 21"	8	125
Robinson (88).....	4 4" 50-cal.; 21-pdr. auto. A. A.	4 triple 21"	8	125
Rodgers (170).....	4 4" 50-cal.; 23" 23-cal. A. A.	4 triple 21"	8	125
Roe (24).....	5 3" 50-cal. R. F.	3 twin 18"	4	87
Roper (147).....	4 4" 50-cal.; 23" 23-cal. A. A.	4 triple 21"	8	125
Rowan (64).....	4 4" 50-cal. R. F.	4 triple 21"	5	98
Sampson (63).....	4 4" 50-cal. R. F.; 2 1-pdr. auto. anti-aircraft.	4 triple 21"	5	98
Satterlee (190).....	4 4" 50-cal.; 13" 23-cal. A. A.	4 triple 21"	8	125
Schenck (159).....	4 4" 50-cal.; 23" 23-cal. A. A.	4 triple 21"	8	125
Schley (103).....	4 4" 50-cal.; 21-pdr. auto. A. A.	4 triple 21"	8	125

Table 23.—ARMAMENTS AND COMPLEMENTS OF SHIPS—Continued.

Name and official number.	Batteries.		Offic-ers.	Men.
	Guns.	Torpedo tubes.		
Semmes (189).....	4 4'' 50-cal.; 1 3'' 23-cal. A. A.	4 triple 21''	8	125
Shaw (68).....	4 4'' 50-cal. R. F.; 2 1-pdr. auto. anti-aircraft.	4 triple 21''	5	98
Shubrick (268).....	4 4'' 50-cal.; 1 3'' 23-cal. A. A.	4 triple 21''	8	125
Stigourney (81).....	4 4'' 50-cal.; 2 1-pdr. auto. A. A.	4 triple 21''	8	125
Smith (17).....	5 3'' 50-cal. R. F.	3 twin 18''	4	84
Somers (301).....	4 4'' 50-cal.; 1 3'' 23-cal. A. A.	4 triple 21''	8	125
Southard (207).....	4 4'' 50-cal.; 1 3'' 23-cal. A. A.	4 triple 21''	8	125
Sproston (173).....	4 4'' 50-cal.; 2 3'' 23-cal. A. A.	4 triple 41''	8	125
Stansbury (180).....	4 4'' 50-cal.; 2 3'' 23-cal. A. A.	4 triple 21''	8	125
Sterrett (27).....	5 3'' 50-cal. R. F.	3 twin 18''	4	87
Stevens (86).....	4 4'' 50-cal.; 2 1-pdr. auto. A. A.	4 triple 21''	6	125
Stewart (13).....	2 3'' 50-cal. R. F.; 5 6-pdr. R. F.	2 18''	3	73
Stockton (73).....	4 4'' 50-cal. R. F.; 2 1-pdr. auto. anti-aircraft.	4 triple 21''	5	98
Stoddert (302).....	4 4'' 50-cal.; 1 3'' 23-cal. A. A.	4 triple 21''	8	125
Stribling (96).....	4 4'' 50-cal.; 1 3'' 23-cal. A. A.	4 triple 21''	6	125
Stringham (83).....	4 4'' 50-cal.; 1 3'' 23-cal. A. A.	4 triple 21''	6	125
Swasey (273).....	4 4'' 50-cal.; 1 3'' 23-cal. A. A.	4 triple 21''	6	125
Talbot (114).....	4 4'' 50-cal.; 2 3'' 23-cal. A. A.	4 triple 21''	6	125
Talbot, J. Fred (156).....	4 4'' 50-cal.; 2 3'' 23-cal. A. A.	4 triple 21''	6	125
Tarbell (142).....	4 4'' 50-cal.; 2 3'' 23-cal. A. A.	4 triple 21''	6	125
Tatnall (125).....	4 4'' 50-cal.; 2 3'' 23-cal. A. A.	4 triple 21''	6	125
Taylor (94).....	4 4'' 50-cal.; 2 1-pdr. auto. A. A.	4 triple 21''	6	125
Terry (25).....	5 3'' 50-cal. R. F.	3 twin 18''	4	87
Thatcher (162).....	4 4'' 50-cal.; 2 3'' 23-cal. A. A.	4 triple 21''	6	125
Thomas (182).....	4 4'' 50-cal.; 2 3'' 23-cal. A. A.	4 triple 21''	6	125
Thompson (306).....	4 4'' 50-cal.; 1 3'' 23-cal. A. A.	4 triple 21''	6	125
Thornton (270).....	4 4'' 50-cal.; 1 3'' 23-cal. A. A.	4 triple 21''	6	125
Tillman (135).....	4 4'' 50-cal.; 2 3'' 23-cal. A. A.	4 triple 21''	6	125
Tingey (272).....	4 4'' 50-cal.; 1 3'' 23-cal. A. A.	4 triple 21''	6	125
Tripp (33).....	5 3'' 50-cal. R. F.	3 twin 18''	4	87
Truxton (14).....	2 3'' 50-cal. R. F.; 6 6-pdr. R. F.	2 18''	3	73
Tucker (57).....	4 4'' 50-cal. R. F.	4 twin 21''	5	96
Twiggs (127).....	4 4'' 50-cal. R. F.; 2 3'' 23-cal. A. A.	4 triple 21''	6	125
Upshur (144).....	4 4'' 50-cal. R. F.; 2 3'' 23-cal. A. A.	4 triple 21''	6	125
Wadsworth (60).....	4 4'' 50-cal. R. F.	4 twin 21''	5	96
Wainwright (62).....	4 4'' 50-cal. R. F.	4 twin 21''	5	96
Walke (34).....	5 3'' 50-cal. R. F.	3 twin 18''	4	87
Walker (163).....	4 4'' 50-cal.; 2 3'' 23-cal. A. A.	4 triple 21''	6	125
Ward (139).....	4 4'' 50-cal.; 2 3'' 23-cal. A. A.	4 triple 21''	6	125
Ward, Aaron (132).....	4 4'' 50-cal.; 2 3'' 23-cal. A. A.	4 triple 21''	8	125
Warrington (30).....	5 3'' 50-cal. R. F.	3 twin 18''	4	87
Waters (115).....	4 4'' 50-cal.; 2 3'' 23-cal. A. A.	4 triple 21''	6	125
Welles (257).....	4 4'' 50-cal.; 1 3'' 23-cal. A. A.	4 triple 21''	6	125
Whipple (15).....	2 3'' 50-cal. R. F.; 6 6-pdr. R. F.	2 18''	3	73
Wicks (75).....	4 4'' 50-cal.; 2 1-pdr. auto. A. A.	4 triple 21''	6	125
Wilkes (67).....	4 4'' 50-cal. R. F.	4 triple 21''	5	96
Williams (108).....	4 4'' 50-cal.; 2 1-pdr. auto. A. A.	4 triple 21''	6	125
Winslow (53).....	4 4'' 50-cal. R. F.	4 twin 21''	5	96
Woolsey (77).....	4 4'' 50-cal.; 2 1-pdr. auto. A. A.	4 triple 21''	6	125
Worden (16).....	2 3'' 50-cal. R. F.; 6 6-pdr. R. F.	2 18''	3	73
Yarnall (143).....	4 4'' 50-cal.; 2 3'' 23-cal. A. A.	4 triple 21''	6	125
No. 133.....	4 4'' 50-cal.; 2 3'' 23-cal. A. A.	4 triple 21''	6	125
No. 134.....	4 4'' 50-cal.; 2 3'' 23-cal. A. A.	4 triple 21''	6	125
No. 157.....	4 4'' 50-cal.; 2 3'' 23-cal. A. A.	4 21'' triple	6	125
No. 193.....	4 4'' 50-cal.; 1 3'' 23-cal. A. A.	4 21'' triple	6	125
No. 194.....	4 4'' 50-cal.; 1 3'' 23-cal. A. A.	4 21'' triple	6	125
No. 196.....	4 4'' 50-cal.; 1 3'' 23-cal. A. A.	4 21'' triple	6	125
No. 196.....	4 4'' 50-cal.; 1 3'' 23-cal. A. A.	4 21'' triple	6	125
No. 197.....	4 4'' 50-cal.; 1 3'' 23-cal. A. A.	4 21'' triple	6	125
No. 198.....	4 4'' 50-cal.; 1 3'' 23-cal. A. A.	4 21'' triple	6	125
No. 199.....	4 4'' 50-cal.; 1 3'' 23-cal. A. A.	4 21'' triple	6	125
No. 200.....	4 4'' 50-cal.; 1 3'' 23-cal. A. A.	4 21'' triple	6	125
No. 201.....	4 4'' 50-cal.; 1 3'' 23-cal. A. A.	4 21'' triple	6	125
No. 202.....	4 4'' 50-cal.; 1 3'' 23-cal. A. A.	4 21'' triple	6	125
No. 203.....	4 4'' 50-cal.; 1 3'' 23-cal. A. A.	4 21'' triple	6	125
No. 204.....	4 4'' 50-cal.; 1 3'' 23-cal. A. A.	4 21'' triple	6	125
No. 205.....	4 4'' 50-cal.; 1 3'' 23-cal. A. A.	4 21'' triple	6	125
No. 206.....	4 4'' 50-cal.; 1 3'' 23-cal. A. A.	4 21'' triple	6	125
No. 209.....	4 4'' 50-cal.; 1 3'' 23-cal. A. A.	4 21'' triple	6	125
No. 210.....	4 4'' 50-cal.; 1 3'' 23-cal. A. A.	4 21'' triple	6	125
No. 211.....	4 4'' 50-cal.; 1 3'' 23-cal. A. A.	4 21'' triple	6	125
No. 212.....	4 4'' 50-cal.; 1 3'' 23-cal. A. A.	4 21'' triple	6	125
No. 213.....	4 4'' 50-cal.; 1 3'' 23-cal. A. A.	4 21'' triple	6	125
No. 214.....	4 4'' 50-cal.; 1 3'' 23-cal. A. A.	4 21'' triple	6	125
No. 215.....	4 4'' 50-cal.; 1 3'' 23-cal. A. A.	4 21'' triple	6	125
No. 216.....	4 4'' 50-cal.; 1 3'' 23-cal. A. A.	4 21'' triple	6	125

Table 22.—ARMAMENTS AND COMPLEMENTS OF SHIPS—Continued.

DESTROYERS—Continued.

Name and official number.	Batteries.		Om-cers.	Men.	
	Guns.	Torpedo tubes.			
No. 328.	4 4" 50-cal.	1 3" 23-cal. A. A.	4 21" triple.	6	125
No. 329.	4 4" 50-cal.	1 3" 23-cal. A. A.	4 21" triple.	6	125
No. 330.	4 4" 50-cal.	1 3" 23-cal. A. A.	4 21" triple.	6	125
No. 331.	4 4" 50-cal.	1 3" 23-cal. A. A.	4 21" triple.	6	125
No. 332.	4 4" 50-cal.	1 3" 23-cal. A. A.	4 21" triple.	6	125
No. 333.	4 4" 50-cal.	1 3" 23-cal. A. A.	4 21" triple.	6	125
No. 334.	4 4" 50-cal.	1 3" 23-cal. A. A.	4 21" triple.	6	125
No. 335.	4 4" 50-cal.	1 3" 23-cal. A. A.	4 21" triple.	6	125
No. 336.	4 4" 50-cal.	1 3" 23-cal. A. A.	4 21" triple.	6	125
No. 337.	4 4" 50-cal.	1 3" 23-cal. A. A.	4 21" triple.	6	125
No. 338.	4 4" 50-cal.	1 3" 23-cal. A. A.	4 21" triple.	6	125
No. 339.	4 4" 50-cal.	1 3" 23-cal. A. A.	4 21" triple.	6	125
No. 340.	4 4" 50-cal.	1 3" 23-cal. A. A.	4 21" triple.	6	125
No. 341.	4 4" 50-cal.	1 3" 23-cal. A. A.	4 21" triple.	6	125
No. 342.	4 4" 50-cal.	1 3" 23-cal. A. A.	4 21" triple.	6	125
No. 343.	4 4" 50-cal.	1 3" 23-cal. A. A.	4 21" triple.	6	125
No. 344.	4 4" 50-cal.	1 3" 23-cal. A. A.	4 21" triple.	6	125
No. 345.	4 4" 50-cal.	1 3" 23-cal. A. A.	4 21" triple.	6	125
No. 346.	4 4" 50-cal.	1 3" 23-cal. A. A.	4 21" triple.	6	125
No. 347.	4 4" 50-cal.	1 3" 23-cal. A. A.	4 21" triple.	6	125
No. 348.	4 4" 50-cal.	1 3" 23-cal. A. A.	4 21" triple.	6	125
No. 349.	4 4" 50-cal.	1 3" 23-cal. A. A.	4 21" triple.	6	125
No. 350.	4 4" 50-cal.	1 3" 23-cal. A. A.	4 21" triple.	6	125
No. 351.	4 4" 50-cal.	1 3" 23-cal. A. A.	4 21" triple.	6	125
No. 352.	4 4" 50-cal.	1 3" 23-cal. A. A.	4 21" triple.	6	125
No. 353.	4 4" 50-cal.	1 3" 23-cal. A. A.	4 21" triple.	6	125
No. 354.	4 4" 50-cal.	1 3" 23-cal. A. A.	4 21" triple.	6	125
No. 355.	4 4" 50-cal.	1 3" 23-cal. A. A.	4 21" triple.	6	125
No. 356.	4 4" 50-cal.	1 3" 23-cal. A. A.	4 21" triple.	6	125
No. 357.	4 4" 50-cal.	1 3" 23-cal. A. A.	4 21" triple.	6	125
No. 358.	4 4" 50-cal.	1 3" 23-cal. A. A.	4 21" triple.	6	125
No. 359.	4 4" 50-cal.	1 3" 23-cal. A. A.	4 21" triple.	6	125
C. T. B. 1.	31-pdr. R. F.			2	26
C. T. B. 2.	31-pdr. R. F.			1	24
C. T. B. 3.	31-pdr. R. F.			2	30
C. T. B. 4.	21-pdr. auto. anti-aircraft.			2	26
C. T. B. 5.	43-pdr. R. F.			2	62
C. T. B. 6.	31-pdr. R. F.		3 18" single.	1	21
C. T. B. 7.	43-pdr. R. F.			3	48
C. T. B. 8.	46-pdr. R. F.		2 18" single.	3	57
C. T. B. 9.	31-pdr. R. F.			1	21
C. T. B. 10.	21-pdr. auto. anti-aircraft.		3 18" single.	2	26
C. T. B. 11.	31-pdr. R. F.		3 18" single.	2	26
C. T. B. 12.	31-pdr. R. F.		3 18" single.	2	26
C. T. B. 13.	31-pdr. R. F.		3 18" single.	2	30
C. T. B. 14.	21-pdr. auto. anti-aircraft.			2	30
C. T. B. 15.	21-pdr. auto. anti-aircraft.			2	26
C. T. B. 16.	21-pdr. auto. anti-aircraft.			2	30
C. T. B. 17.	21-pdr. auto. anti-aircraft.			2	30

GUNBOATS.

Annapolis (10)	6 4" 40-cal. R. F.; 4 6-pdr. R. F.; 2 1-pdr.			8	136
Asheville	3 4" 50-cal.				
Castine (6)	2" R. F.; 6 6-pdr. R. F.			10	139
Dolphin	6 6-pdr. R. F.			6	158
Don Juan de Austria	63-pdr. R. F.; 2 1-pdr. R. F.			8	145
Dubuque (17)	4 6-pdr. R. F.; 2 1-pdr. R. F.; 2 1-pdr. auto. anti-aircraft.			8	142
Elcano	4 4" 40-cal. R. F.; 4 3-pdr. R. F.			6	93
Helena (9)	8 4" 40-cal. R. F.; 4 3-pdr. R. F.			10	189
Isia de Luzon	4 4" 40-cal. R. F.; 4 3-pdr. R. F.; 2 1-pdr. R. F.			8	133
Machias (5)	4 4" 40-cal. R. F.; 2 3-pdr. R. F.; 2 1-pdr. R. F.; added temporarily, 2 3-pdr. R. F.			8	139
Marietta (15)	6 4" 40-cal. R. F.; 4 6-pdr. R. F.; 2 1-pdr. R. F.			8	139
Monocacy (20)	2 6-pdr. R. F.; 6 auto. machine rifles.			2	45
Nashville (7)	8 4" 40-cal. R. F.; 4 6-pdr. R. F.; 2 1-pdr. R. F.			8	172
Newport (12)				8	135
Paducah (18)	4 4" 40-cal. R. F.; 4 6-pdr. R. F.; 2 1-pdr. R. F.			8	160

Table 22.—ARMAMENTS AND COMPLEMENTS OF SHIPS—Continued.

GUNBOATS—Continued.

Name and official number.	Batteries.		Offic-ers.	Men.
	Guns.	Torpedo tubes.		
Palos (16).....	2 6-pdr. R. F.; 6 auto. machine rifles..		2	45
Pampanga.....	4 3-pdr. R. F.; 21-pdr. R. F.....		2	20
Petrel (2).....	4 4' 40-cal. R. F.; 2 3-pdr. R. F.; 2 1-pdr. R. F.....		8	122
Princeton (13).....	4 6-pdr. R. F.; 2 1-pdr. R. F.....		8	126
Quiros.....	4 3-pdr. R. F.....		2	54
Ranger.....	4 3-pdr. R. F.....		8	131
Sacramento (19).....	3 4' 50-cal. R. F.; 2 3-pdr. R. F.; 2 1-pdr. R. F.....		8	135
Samar.....	4 3-pdr. R. F.....		2	29
Sandoral.....	2 3-pdr. R. F.; 2 1-pdr. R. F.....		2	20
Vicksburg (11).....	6 4' 40-cal. R. F.; 4 3-pdr. R. F.; 2 1-pdr. R. F.....		3	135
Villalobos.....	4 3-pdr. R. F.; 2 1-pdr. R. F.....		2	54
Whelling (14).....	6 4' 40-cal. R. F.; 4 3-pdr. R. F.; 2 1-pdr. R. F.....		8	123
Wilmington (8).....	8 4' 40-cal. R. F.; 4 3-pdr. R. F.....		10	199
Yorktown (1).....	6 5' 40-cal. R. F.; 4 6-pdr. R. F.; 4 1-pdr. R. F.....		8	153

Table 23.—SUMMARY OF VESSELS IN THE UNITED STATES NAVY, NOV. 1, 1918.

Type.	Fit for service, including those under repair.		Under construction.		Authorized but not yet placed.		Total.	
	Num-ber.	Displace-ment.	Num-ber.	Displace-ment.	Num-ber.	Displace-ment.	Num-ber.	Displace-ment.
Battleships, single caliber.....	16	<i>Tons.</i> 403,450	11	<i>Tons.</i> 399,800	2	<i>Tons.</i> 86,400	29	<i>Tons.</i> 889,659
Battleships, mixed caliber.....	23	308,146					23	308,146
Battle cruisers.....	8	111,900	6	211,800			6	211,800
Armored cruisers.....	7	24,964					7	24,964
Monitors.....	4	36,765					4	36,765
Cruisers, first class.....	58	885,225	17	611,600	2	86,400	77	1,583,225
Subtotal, armored ships.....								
Cruisers, second class.....	4	25,065	10	71,000			14	96,065
Cruisers, third class.....	15	47,820					15	47,820
Destroyers.....	93	94,583	1,238	286,676	12	14,580	1,343	365,839
Coast torpedo vessels.....	15	6,275					15	6,275
Torpedo boats.....	17	3,146					17	3,146
Submarines.....	79	29,886	96	73,064	9	(*)	181	102,970
Gunboats.....	37	34,410	2	3,150			39	37,560
Patrol vessels ⁶	2	1,000	98	49,000			100	50,000
Submarine chasers.....	300	23,100	42	3,234			342	26,334
Subtotal, unarmored fighting ships.....	562	265,285	483	496,144	21	* 14,580	1,066	766,009
Tenders.....	17	98,800			3	31,800	20	130,600
Mine sweepers ⁷	14	13,300	40	38,000			54	51,300
Converted yachts ⁸	12	8,711					12	8,711
Transports.....	5	57,235			1	10,300	6	67,535
Supply ships.....	6	33,900					6	33,900
Hospital ships.....	6	34,087	1	9,808			7	43,897
Fuel ships.....	21	248,989	3	44,400			24	293,389
Special service.....	13	83,891	2	21,200	1	10,000	16	115,091
Tugs.....	50	22,572	81	36,360			131	58,932
Unserviceable for war purposes.....	15	43,356					15	43,356
Subtotal nonfighting ships.....	158	644,971	127	149,750	5	52,100	290	846,821
Total.....	778	1,795,461	627	1,247,494	28	* 153,080	1,433	* 3,196,055

¹ Six of these have since been canceled.

² Fourteen of these have since been canceled.

³ Does not include displacement of nine fleet submarines.

⁴ Forty of these have since been canceled.

⁵ Does not include commandeered or chartered vessels.

⁷ Five of these have since been canceled.

Table 24.—AGES OF UNITED STATES BATTLESHIPS FROM DATES OF FIRST COMMISSION.

Name.	Date of first commission.	Age, June 30, 1918.		Name.	Date of first commission.	Age, June 30, 1918.	
		Yrs.	Mo.			Yrs.	Mo.
Alabama.....	Oct. 16, 1900	17	8	Nebraska.....	July 1, 1907	11	0
Arizona.....	Oct. 17, 1916	1	8	Nevada.....	Mar. 11, 1916	2	4
Arkansas.....	Sept. 17, 1912	5	9	New Hampshire.....	Mar. 19, 1908	10	3
California.....	.....	.....	.....	New Jersey.....	May 12, 1908	12	2
Colorado.....	.....	.....	.....	New Mexico.....	May 20, 1918	0	4
Connecticut.....	Sept. 29, 1906	11	9	New York.....	Apr. 15, 1914	4	2
Delaware.....	Apr. 4, 1910	8	3	North Carolina.....	.....	.....	.....
Florida.....	Sept. 15, 1911	6	9	North Dakota.....	.....	.....	.....
Georgia.....	Sept. 24, 1906	11	9	Ohio.....	Oct. 4, 1904	13	9
Idaho.....	.....	.....	.....	Oklahoma.....	May 2, 1916	2	2
Illinois.....	Sept. 16, 1901	16	9	Oregon.....	July 15, 1898	22	0
Indiana.....	Nov. 20, 1895	22	7	Pennsylvania.....	June 12, 1916	2	1
Iowa.....	June 16, 1897	21	0	Rhode Island.....	Feb. 19, 1906	12	4
Kansas.....	Apr. 18, 1907	11	2	South Carolina.....	Mar. 1, 1910	8	4
Kearsarge.....	Feb. 20, 1900	18	4	South Dakota.....	.....	.....	.....
Kentucky.....	May 15, 1900	18	1	Tennessee.....	.....	.....	.....
Louisiana.....	June 2, 1906	12	1	Texas.....	Mar. 12, 1914	4	4
Maine.....	Dec. 29, 1902	15	6	Utah.....	Aug. 31, 1911	6	10
Maryland.....	.....	.....	.....	Vermont.....	Mar. 4, 1907	11	4
Massachusetts.....	June 10, 1896	22	1	Virginia.....	May 7, 1906	12	2
Michigan.....	Jan. 4, 1910	8	6	Washington.....	.....	.....	.....
Minnesota.....	Mar. 9, 1907	11	4	West Virginia.....	.....	.....	.....
Mississippi.....	Dec. 18, 1917	0	6	Wisconsin.....	Feb. 4, 1901	17	5
Missouri.....	Dec. 1, 1903	14	7	Wyoming.....	Sept. 25, 1912	5	9
Montana.....	.....	.....	.....	.....	.....	.....	.....

Table 25.—VESSELS UNDER CONSTRUCTION, UNITED STATES NAVY.

[Navy Department, Bureau of Construction and Repair, Mar. 10, 1919.]

Type, number, and name.	Contractor.	Per cent of completion.			
		Mar. 1, 1919.		Feb. 1, 1919.	
		Total.	On ship.	Total.	On ship.
BATTLESHIPS.					
42. Idaho.....	New York Shipbuilding Corporation...	99.7	99.7	99.1	99.1
43. Tennessee.....	New York Navy Yard.....	64.2	58.2	60.7	54.7
44. California.....	Mare Island Navy Yard.....	55.6	42.8	53.6	40.3
45. Colorado.....	New York Shipbuilding Corporation...	13.7	1.8	6.8	.4
46. Maryland.....	Newport News Shipbuilding & Dry Dock Co.	41.8	32.4	39.9	31.0
47. Washington.....	New York Shipbuilding Corporation...	10.1	1.2	4.3	.4
48. West Virginia.....	Newport News Shipbuilding & Dry Dock Co.	19.1	2.2	19.0	2.1
49. South Dakota.....	Navy yard, New York.....	.....	.....	.....	.....
50.	do.....	.....	.....	.....	.....
51. Montana.....	Navy yard, Mare Island.....	.....	.....	.....	.....
52. North Carolina.....	Navy yard, Norfolk.....	.....	.....	.....	.....
BATTLE CRUISERS.					
1. Lexington.....	Fore River Shipbuilding Corporation.....	.....	.....	.....	.....
2. Constellation.....	Newport News Shipbuilding & Dry Dock Co.	.....	.....	.....	.....
3. Saratoga.....	New York Shipbuilding Corporation.....	.....	.....	.....	.....
4. Ranger.....	Newport News Shipbuilding & Dry Dock Co.	.....	.....	.....	.....
5. Constitution.....	Philadelphia Navy Yard.....	.....	.....	.....	.....
6.	do.....	.....	.....	.....	.....
SCOUT CRUISERS.					
4.	Todd Dry Dock & Construction Corporation.	24.5	1.15	24.5	1.15
5.	do.....	22.0	1.0	22.0	1.0
6.	do.....	17.6	.6	17.6	.6
7.	Union Iron Works.....	.....	.....	.....	.....

Table 25.—VESSELS UNDER CONSTRUCTION, UNITED STATES NAVY—
Continued.

Type, number, and name.	Contractor.	Per cent of completion.			
		Mar. 1, 1919.		Feb. 1, 1919.	
		Total.	On ship.	Total.	On ship.
SCOUT CRUISERS—contd.					
8.	Union Iron Works.....				
9.	Wm. Cramp & Sons Co.....	9.0		9.0	
10.	do.....	9.0		9.0	
11.	do.....				
12.	do.....				
13.	do.....				
MISCELLANEOUS.					
Fuel ship No. 16, Brazos.....	Boston Navy Yard.....	89.0	88.0	87.5	85.5
Fuel ship No. 17.....	do.....	17.8	.1	11.0	
Fuel ship No. 18.....	do.....	.1	.1		
Gunboat No. 21, Asheville...	Charleston Navy Yard.....	74.3	73.3	71.0	70.0
Gunboat No. 22.....	do.....				
Hospital ship No. 1.....	Philadelphia Navy Yard.....	25.0	10.0	24.0	9.0
Ammunition ship No. 1, Pyro.....	Puget Sound Navy Yard.....	72.0	62.0	66.0	54.0
Ammunition ship No. 2 Nitro.....	do.....	18.0		12.5	
DESTROYERS.					
71. Gwin.....	Seattle Construction & Dry Dock Co....	97.1	96.6	97.1	96.6
90. McKean ¹	Union Iron Works.....			99.8	99.8
92. Gridley.....	do.....	99.9	99.9	97.3	96.5
97. Hazelwood ²	do.....			99.3	99.3
108. Williams.....	do.....	99.9	99.9	95.6	94.0
109. Crane.....	do.....	96.8	96.4	94.2	91.9
110. Hart.....	do.....	94.7	92.9	92.5	90.1
111. Ingraham.....	do.....	93.1	91.1	91.7	89.0
124. Ramsay ³	Newport News Shipbuilding & Dry Dock Co.....			99.0	
125. Tattnell.....	New York Shipbuilding Corporation.....	93.0		90.0	
126. Badger.....	do.....	98.0		96.4	
127. Twigg.....	do.....	83.5		80.5	
128. Babbitt.....	do.....	78.8		76.0	
129. DeLong.....	do.....	72.0		69.0	
130. Jacob Jones.....	do.....	69.8		67.5	
132. Aaron Ward.....	Bath Iron Works.....	90.3	89.8	84.3	83.4
133. Hale.....	do.....	70.7	67.8	62.8	58.1
134. Crowninshield.....	do.....	59.3	54.4	52.7	46.7
135. Tillman.....	Charleston Navy Yard.....	37.4	34.4	34.4	31.4
137. Kilty ⁴	Mare Island Navy Yard.....			99.3	99.3
138. Kennison.....	do.....	98.5	98.5	97.3	97.2
140. Claxton.....	do.....	93.3	93.1	91.5	91.2
141. Hamilton.....	do.....	90.2	90.0	87.6	87.3
147. Roper ⁵	Wm. Cramp & Sons Co.....			98.0	
148. Breckinridge ⁶	do.....			94.0	
149. Barney.....	do.....	97.0		92.0	
150. Blakeley.....	do.....	95.0		90.0	
151. Biddle.....	do.....	93.0		87.0	
152. Dupont.....	do.....	87.0		84.0	
155. Bernadou.....	do.....	84.0		81.0	
154. Ellis.....	do.....	81.0		78.0	
155. Cole.....	do.....	79.0		74.0	
156. J. Fred. Talbot.....	do.....	75.0		75.0	
157. Dickerson.....	New York Shipbuilding Corporation.....	64.5		61.0	
158. Leary.....	do.....	66.0		64.0	
159. Schenck.....	do.....	58.5		56.5	
160. Herbert.....	do.....	57.0		56.0	
166. Bush ¹	Fore River Shipbuilding Corporation.....			95.5	94.5
167. Cowell.....	do.....	97.0	96.5	89.5	86.3
168. Maddox.....	do.....	98.5	98.5	92.0	89.7
169. Foote.....	do.....	94.0	92.5	86.0	82.0
170. Kalk.....	do.....	89.5	86.0	82.5	77.9
171. Burns.....	Union Iron Works.....	89.2	86.0	87.6	85.7
172. Anthony.....	do.....	89.0	85.7	87.6	85.8
173. Sproston.....	do.....	88.8	85.4	87.4	83.6

¹ Delivered Feb. 25, 1919.² Delivered Feb. 20, 1919.³ Delivered Feb. 14, 1919.⁴ Completed.⁵ Delivered Feb. 15, 1919.⁶ Delivered Feb. 27, 1919.⁷ Delivered Feb. 19, 1919.

Table 25.—VESSELS UNDER CONSTRUCTION, UNITED STATES NAVY—Continued.

Type, number, and name.	Contractor.	Per cent of completion.			
		Mar. 1, 1919.		Feb. 1, 1919.	
		Total.	On ship.	Total.	On ship.
DESTROYERS—continued.					
174. Rizal.....	Union Iron Works.....	90.6	87.5	88.6	84.8
175. MacKenzie.....	do.....	81.2	78.6	81.2	76.6
176. Renshaw.....	do.....	81.3	76.7	81.3	76.7
177. O'Bannon.....	do.....	68.0	62.0	59.1	51.4
178. Hogan.....	do.....	61.9	52.2	56.3	48.0
179. Howard.....	do.....	59.6	51.8	50.3	41.4
180. Stansbury.....	do.....	57.6	49.5	48.2	39.0
181. Hopewell.....	Newport News Shipbuilding & Dry Dock Co.....	97.0		96.0	
182. Thomas.....	do.....	87.0		83.0	
183. Haraden.....	do.....	87.0		83.0	
184. Abbot.....	do.....	87.0		83.0	
185. Bagley.....	do.....	67.0		66.0	
186. Clemson.....	do.....	99.0		99.0	
187. Dahlgren.....	do.....	70.0		65.0	
188. Goldsborough.....	do.....	70.0		65.0	
189. Semmes.....	do.....	65.0		60.0	
190. Satterlee.....	do.....	65.0		60.0	
191. Mason.....	do.....	65.0		60.0	
192. Graham.....	do.....	50.0		45.0	
193.....	do.....	50.0		45.0	
194.....	do.....	50.0		45.0	
195.....	do.....	50.0		45.0	
196.....	do.....	50.0		45.0	
197.....	do.....	35.0		30.0	
198.....	do.....	20.0		15.0	
199.....	do.....	20.0		15.0	
206. Chandler.....	Wm. Cramp & Sons Co.....	59.0		51.0	
207. Southard.....	do.....	61.0		51.0	
208.....	do.....	54.0		47.0	
209.....	do.....	50.0		44.0	
210.....	do.....	48.0		41.0	
211.....	do.....	42.0		35.0	
212.....	do.....	29.0		27.0	
213.....	do.....	29.0		27.0	
214.....	do.....	29.0		27.0	
215.....	do.....	29.0		27.0	
216.....	do.....	29.0		27.0	
217.....	do.....	29.0		27.0	
218.....	do.....	29.0		27.0	
219.....	do.....	29.0		27.0	
220.....	do.....	29.0		27.0	
221.....	do.....	27.0		25.0	
222.....	do.....	27.0		25.0	
223.....	do.....	27.0		25.0	
224.....	do.....	27.0		25.0	
225.....	do.....	27.0		25.0	
226.....	do.....	25.0		24.0	
227.....	do.....	25.0		24.0	
228.....	do.....	25.0		24.0	
229.....	do.....	25.0		24.0	
230.....	do.....	25.0		24.0	
231. Hatfield.....	New York Shipbuilding Corp.....	55.0		50.7	
232. Brooks.....	do.....	52.0		49.0	
233.....	do.....	50.0		47.0	
234.....	do.....	48.6		45.0	
235.....	do.....	48.5		43.4	
236.....	do.....	46.0		41.2	
237.....	do.....	45.0		40.0	
238.....	do.....	43.0		39.0	
239.....	do.....	41.8		36.8	
240.....	do.....	37.5		32.7	
241.....	do.....	27.0		22.9	
242.....	do.....	27.0		22.9	
243.....	do.....	27.0		22.9	
244.....	do.....	27.0		22.9	
245.....	do.....	27.0		22.9	
246.....	do.....	19.0		14.8	
247.....	do.....	19.0		14.8	
248.....	do.....	19.0		14.8	
249.....	do.....	19.0		14.8	

Table 25.—VESSELS UNDER CONSTRUCTION, UNITED STATES NAVY—Continued.

Type, number, and name.	Contractor.	Per cent of completion.			
		Mar. 1, 1919.		Feb. 1, 1919.	
		Total.	On ship.	Total.	On ship.
DESTROYERS—continued.					
250.	New York Shipbuilding Corp.	19.0	.....	14.8	.....
251. Belknap.....	Bethlehem Shipbuilding Corp. (Quincy)	85.2	78.6	78.8	72.1
252. McCook.....	do.	79.5	72.2	73.5	66.0
253. McCalla.....	do.	75.5	67.9	69.5	61.7
254. Rodgers.....	do.	70.0	62.1	66.5	58.5
255. Ingram.....	do.	71.5	63.7	68.0	56.9
256. Bancroft.....	do.	67.0	59.0	60.5	52.1
257. Welles.....	do.	60.0	51.7	57.0	48.3
258.	do.	61.0	52.8	55.0	46.2
259.	do.	56.5	47.9	53.5	44.5
260.	do.	55.5	46.8	52.5	43.3
262. McDermut.....	Bethlehem Shipbuilding Corp. (Squantum).	98.5	98.5	98.5	98.5
263. Laub.....	do.	98.0	98.0	98.0	98.0
264. McLanahan.....	do.	96.5	96.0	95.5	96.0
265. Edwards.....	do.	94.0	93.0	92.5	90.7
266. Greene.....	do.	90.5	88.6	88.5	86.6
267. Ballard.....	do.	87.0	84.8	85.0	82.8
268. Shubrick.....	do.	83.5	80.8	81.5	78.3
269. Bailey.....	do.	81.0	77.8	79.5	75.5
270. Thornton.....	do.	78.0	73.8	77.5	73.2
271. Morris.....	do.	72.5	67.2	71.0	65.5
272. Tingey.....	do.	69.0	63.3	67.5	61.4
273. Swasey.....	do.	66.5	60.5	64.5	58.0
274.	do.	64.0	57.5	62.0	55.2
275.	do.	61.5	54.7	60.0	53.0
276.	do.	57.5	50.4	55.5	48.3
277.	do.	53.5	45.9	50.5	42.5
278.	do.	50.0	42.1	47.0	38.4
279.	do.	47.0	38.6	43.5	22.1
280.	do.	45.0	22.2	43.5	22.1
281.	do.	42.0	19.2	40.5	19.1
282.	do.	42.0	19.2	40.5	19.1
283.	do.	42.0	19.2	40.5	19.1
284.	do.	42.0	19.2	40.5	19.1
285.	do.	42.0	19.2	40.5	19.1
286.	do.	40.5	17.7	39.0	17.6
287.	do.	40.5	17.7	39.0	17.6
288.	do.	40.5	17.7	39.0	17.6
289.	do.	40.5	17.7	39.0	17.6
290.	do.	40.5	17.7	39.0	17.6
291.	do.	38.5	15.7	35.5	14.1
292.	do.	38.5	15.7	35.5	14.1
293.	do.	38.5	15.7	35.5	14.1
294.	do.	38.5	15.7	35.5	14.1
295.	do.	38.5	15.7	35.5	14.1
296. Chauncey.....	Bethlehem Shipbuilding Corp. (San Francisco).	86.9	82.6	83.4	78.8
297. Fuller.....	do.	73.2	67.3	73.2	67.3
298. Percival.....	do.	73.1	67.2	73.1	67.2
299. John Francis Burnes.....	do.	73.1	66.5	73.0	66.5
300. Farragut.....	do.	73.0	66.4	73.0	66.4
301. Somers.....	do.	72.4	65.5	72.4	65.5
302. Stoddert.....	do.	71.6	64.4	71.6	64.4
303. Reno.....	do.	71.6	64.4	71.6	64.4
304. Farquhar.....	do.	71.5	64.3	71.5	64.3
305. Thompson.....	do.	71.5	64.3	71.5	64.3
306. Kennedy.....	do.	70.7	63.9	64.7	56.4
307. Paul Hamilton.....	do.	70.6	63.8	64.0	55.5
308. William Jones.....	do.	69.4	62.6	63.4	54.9
309. Woodbury.....	do.	70.6	63.0	69.4	61.7
310.	do.	56.3	48.1	48.1	38.1
311.	do.	53.2	44.8	42.0	31.1
312.	do.	51.6	42.6	39.2	27.6
313.	do.	42.1	31.2	35.3	22.6
314.	do.	40.6	29.3	35.3	22.6
315.	do.	36.8	25.2	35.3	22.6
316.	do.	50.8	41.7	36.7	25.5
317.	do.	47.4	37.1	36.2	24.8
318.	do.	37.5	25.6	33.7	21.4
319.	do.	35.3	22.8	33.7	21.4
320.	do.	35.3	22.8	33.7	21.4

Table 25.—VESSELS UNDER CONSTRUCTION, UNITED STATES NAVY.—
Continued.

Type, number, and name.	Contractor.	Per cent of completion.			
		Mar. 1, 1919.		Feb. 1, 1919.	
		Total.	On ship.	Total.	On ship.
DESTROYERS—continued.					
321.	Bethlehem Shipbuilding Corp. (San Francisco).	35.3	22.8	33.7	21.4
322.	do.	35.3	22.8	33.7	21.4
323.	do.	35.3	22.8	33.7	21.4
324.	do.	35.3	22.8	33.7	21.4
325.	do.	35.3	22.8	33.7	21.4
326.	do.	31.3	17.7	29.4	15.8
327.	do.	31.3	17.7	29.4	15.8
328.	do.	31.3	17.7	29.4	15.8
329.	do.	31.3	17.7	29.4	15.8
330.	do.	31.3	17.7	29.4	15.8
331.	do.	31.3	17.7	29.4	15.8
332.	do.	31.3	17.7	29.4	15.8
333.	do.	31.3	17.7	29.4	15.8
334.	do.	31.3	17.7	29.4	15.8
335.	do.	31.3	17.7	29.4	15.8
336.	Mare Island Navy Yard.	34.4	30.6	28.5	23.5
337.	do.	31.4	27.4	25.6	20.1
338.	do.	24.5	17.4	22.4	13.9
339.	do.	24.1	16.8	22.3	13.5
340.	do.	23.4	15.3	21.6	12.5
341.	do.	22.9	14.6	21.3	12.2
342.	Norfolk Navy Yard.	45.5	33.0	41.0	27.5
343.	do.	45.5	33.0	41.0	27.5
344.	do.	45.5	33.0	41.0	27.5
345.	Bath Iron Works.	5.1	2.9	.....	.....
346.	do.	5.1	2.9	.....	.....
347.	do.	5.1	2.9	.....	.....
SUBMARINES.					
52. AA-1.	Electric Boat Co. (Quincy).	96.8	96.8	96.8	96.8
60. AA-2.	do.	90.8	87.1	90.5	86.9
61. AA-3.	do.	90.9	87.3	90.6	87.0
80. B-3.	do.	97.2	97.2	94.2	93.6
81. R-4.	do.	99.2	96.2	98.3	98.3
82. R-5.	do.	97.8	97.8	96.9	96.9
83. R-6.	do.	98.9	93.3	91.1	89.2
84. R-7.	do.	92.8	91.4	90.3	88.1
85. R-8.	do.	85.3	78.3	81.7	72.2
86. R-9.	do.	84.7	77.2	81.7	72.2
87. R-10.	do.	83.6	74.7	80.8	70.5
88. R-11.	do.	88.6	74.7	80.8	70.5
89. R-12.	do.	88.6	74.7	80.8	70.5
90. R-13.	do.	83.6	74.7	80.8	70.5
91. R-14.	do.	80.3	70.0	76.9	66.1
98. R-21.	Lake Torpedo Boat Co. (Bridgeport).	88.5	86.5	84.3	84.2
99. R-22.	do.	80.8	80.0	78.7	77.2
100. R-23.	do.	82.9	82.4	78.0	76.1
101. R-24.	do.	82.4	81.8	77.8	76.1
102. R-25.	do.	71.2	64.4	69.1	61.2
103. R-26.	do.	71.2	64.6	69.4	61.5
104. R-27.	do.	79.3	78.2	77.2	75.2
105. S-1.	Electric Boat Co. (Quincy).	97.0	97.0	96.2	95.8
106. S-2.	Lake Torpedo Boat Co. (Bridgeport).	73.4	69.1	63.8	56.8
107. S-3 ¹	Portsmouth (N. H.) Navy Yard.	.....	.....	100.0	98.5
109. S-4.	do.	77.1	69.2	76.9	66.5
110. S-5.	do.	76.5	66.7	76.2	66.0
111. S-6.	do.	78.8	66.4	73.6	65.7
112. S-7.	do.	76.7	66.1	75.5	65.5
113. S-8.	do.	61.8	40.3	60.9	37.6
114. S-9.	do.	57.5	37.0	55.8	32.9
115. S-10.	do.	54.5	33.9	54.2	31.1
116. S-11.	do.	54.3	33.8	54.1	31.0
117. S-12.	do.	54.2	33.7	54.1	30.9
118. S-13.	do.	54.1	33.5	54.0	30.7
119. S-14.	Lake Torpedo Boat Co. (Bridgeport).	40.1	22.0	39.0	20.4
120. S-15.	do.	40.1	22.0	39.0	20.4
121. S-16.	do.	40.1	22.0	39.0	20.4
122. S-17.	do.	40.1	22.0	39.0	20.4

¹ Delivered Jan. 30, 1919.

Table 25.—VESSELS UNDER CONSTRUCTION, UNITED STATES NAVY—Continued.

Type, number, and name.	Contractor.	Per cent of completion.			
		Mar. 1, 1919.		Feb. 1, 1919.	
		Total.	On ship.	Total.	On ship.
SUBMARINES—continued.					
123. S-18.....	Electric Boat Co. (Quincy).....	57.6	42.5	53.9	38.1
124. S-19.....	do.....	57.6	42.5	53.9	38.1
125. S-20.....	do.....	57.6	42.5	53.9	38.1
126. S-21.....	do.....	51.5	34.3	47.5	30.0
127. S-22.....	do.....	51.5	34.3	47.5	30.0
128. S-23.....	do.....	51.5	34.3	47.5	30.0
129. S-24.....	do.....	54.0	37.5	50.5	33.5
130. S-25.....	do.....	54.0	37.5	50.5	33.5
131. S-26.....	do.....	54.0	37.5	50.5	33.5
132. S-27.....	do.....	44.0	20.2	42.0	17.3
133. S-28.....	do.....	44.0	20.2	42.0	17.3
134. S-29.....	do.....	44.0	20.2	42.0	17.3
135. S-30.....	Electric Boat Co. (San Francisco).....	78.5	76.6	74.9	70.5
136. S-31.....	do.....	76.4	73.4	73.0	67.2
137. S-32.....	do.....	76.0	72.0	68.5	62.3
138. S-33.....	do.....	77.0	74.5	73.4	68.0
139. S-34.....	do.....	70.9	67.0	66.7	59.4
140. S-35.....	do.....	70.0	66.0	65.2	57.9
141. S-36.....	do.....	40.6	30.7	37.5	27.3
142. S-37.....	do.....	39.8	29.3	37.1	26.8
143. S-38.....	do.....	39.4	28.6	31.5	19.6
144. S-39.....	do.....	39.1	28.0	36.1	25.2
145. S-40.....	do.....	31.6	19.4	31.0	18.7
146. S-41.....	do.....	31.6	19.4	31.0	18.7
153.....	Electric Boat Co. (Quincy).....				
154.....	do.....				
155.....	do.....				
156.....	do.....				
157.....	do.....				
158.....	do.....				
159.....	Lake Torpedo Boat Co. (Bridgeport).....				
160.....	do.....				
161.....	do.....				
162.....	do.....				
MINE SWEEPERS.					
14. Woodcock ¹	Chester Shipbuilding Co.....			98.0	
15. Quail.....	do.....	91.0		85.0	
16. Partridge.....	do.....	83.0		78.0	
8. Thrush.....	Pusey & Jones, Wilmington.....	95.0		91.0	
1. Lark.....	Baltimore Dry Dock & Shipbuilding Co.....	97.0		95.0	
20. Seagull.....	Gas Engine Power Co.....	97.0		90.0	
31. Tern.....	do.....	89.0		82.0	
32. Flamingo ²	New Jersey Dry Dock & Transportation Co.....			99.5	
35. Whippoorwill.....	Alabama Dry Dock & Shipbuilding Co.....	94.0		69.0	
36. Bittern.....	do.....	90.0		86.0	
39. Chewink.....	Todd Shipyard Corp., New York.....	93.0		68.0	
40. Cormorant.....	do.....	90.0		85.0	
41. Gannet.....	do.....	78.0		70.0	
43. Grebe.....	Staten Island Shipbuilding Co.....	94.0		88.0	
44. Mallard.....	do.....	89.0		82.0	
45. Ortolan.....	do.....	75.0		69.0	
46. Peacock.....	do.....	74.0		67.0	
47. Pigeon.....	Baltimore Dry Dock & Shipbuilding Co.....	87.0		80.0	
48. Redwing.....	do.....	74.0		65.0	
51. Sandpiper.....	Philadelphia Navy Yard.....	50.5	42.5	44.2	32.2
52. Vireo.....	do.....	50.5	42.5	44.2	32.2
53. Warbler.....	do.....	37.5	29.0	32.0	30.0
54. Willet.....	do.....	37.5	29.0	32.0	20.0
SEAGOING TUGS.					
21. Bagaduce.....	Ferguson.....	80.0		76.0	
22. Tadousac.....	do.....	76.0		72.0	
23. Kalmia.....	do.....	58.0		53.0	
24. Kovaydie.....	do.....	57.0		52.0	
25. Umpqua.....	do.....	36.0		32.0	
26. Wandank.....	do.....	36.0		32.0	

¹ Delivered Feb. 19, 1919.² Delivered Feb. 11, 1919.

Table 25.—VESSELS UNDER CONSTRUCTION, UNITED STATES NAVY—Continued.

Type, number, and name.	Contractor.	Per cent of completion.			
		Mar. 1, 1919.		Feb. 1, 1919.	
		Total.	On ship.	Total.	On ship.
SEAGOING TUGS—continued.					
27. Tatnuck.....	Puget Sound Navy Yard.....	60.0	50.0	39.0	26.0
28. Sunyodin.....	do.....	58.0	49.0	39.0	24.0
29. Mahopac.....	do.....	34.0	20.0	32.0	20.0
30. Sciota.....	do.....	34.0	20.0	32.0	20.0
31. Moka.....	do.....	34.0	20.0	32.0	20.0
32. Napa.....	do.....	25.0	.....	24.0	.....
33. Pinola.....	do.....	25.0	.....	24.0	.....
34. Algoma.....	Staten Island Shipbuilding Co., Port Richmond.....	54.0	.....	40.0	.....
25. Carrabasset.....	do.....	51.0	.....	39.0	.....
26. Contocook.....	do.....	34.0	.....	30.0	.....
27. Iuka.....	do.....	30.0	.....	29.0	.....
28. Keosanqua.....	do.....	29.0	.....	27.0	.....
29. Montcalm.....	do.....	29.0	.....	25.0	.....
OIL TANKERS.					
1650.....	Wm. Cramp & Son: Co.....	40.0	.....	30.0	.....
1651.....	do.....	34.0	.....	24.0	.....
1652.....	do.....	20.0	.....	19.0	.....
1653.....	do.....	20.0	.....	19.0	.....
1654.....	Newport News Shipbuilding & Dry Dock Co.....	20.0	.....	15.0	.....
1655.....	do.....	15.0	.....	10.0	.....
1656.....	do.....	10.0	.....	5.0	.....
1657.....	do.....	10.0	.....	5.0	.....
1658.....	do.....	.....	.....	.....	.....
1659.....	do.....	.....	.....	.....	.....
1660.....	do.....	.....	.....	.....	.....
1661.....	do.....	.....	.....	.....	.....
PATROL BOATS—EAGLE CLASS.¹					
Eagle No. 8.....	Ford Motor Co.....	83.0	.....	.....	.....
Eagle No. 9.....	do.....	82.0	.....	.....	.....
Eagle No. 10.....	do.....	81.0	.....	.....	.....
Eagle No. 11.....	do.....	80.0	.....	.....	.....
Eagle No. 12.....	do.....	78.0	.....	.....	.....
Eagle No. 13.....	do.....	90.0	.....	.....	.....
Eagle No. 14.....	do.....	77.0	.....	.....	.....
Eagle No. 15.....	do.....	77.0	.....	.....	.....
Eagle No. 16.....	do.....	77.0	.....	.....	.....
Eagle No. 17.....	do.....	79.0	.....	.....	.....
Eagle No. 18.....	do.....	79.0	.....	.....	.....
Eagle No. 19.....	do.....	79.0	.....	.....	.....
Eagle No. 20.....	do.....	76.0	.....	.....	.....
Eagle No. 21.....	do.....	75.0	.....	.....	.....
Eagle No. 22.....	do.....	75.0	.....	.....	.....
Eagle No. 23.....	do.....	75.0	.....	.....	.....
Eagle No. 24.....	do.....	75.0	.....	.....	.....
Eagle No. 25.....	do.....	75.0	.....	.....	.....
Eagle No. 26.....	do.....	75.0	.....	.....	.....
Eagle No. 27.....	do.....	75.0	.....	.....	.....
Eagle No. 28.....	do.....	75.0	.....	.....	.....
Eagle No. 29.....	do.....	69.0	.....	.....	.....
Eagle No. 30.....	do.....	69.0	.....	.....	.....
Eagle No. 31.....	do.....	69.0	.....	.....	.....
Eagle No. 32.....	do.....	64.0	.....	.....	.....
Eagle No. 33.....	do.....	64.0	.....	.....	.....
Eagle No. 34.....	do.....	61.0	.....	.....	.....
Eagle No. 35.....	do.....	51.0	.....	.....	.....
Eagle No. 36.....	do.....	51.0	.....	.....	.....
Eagle No. 37.....	do.....	51.0	.....	.....	.....
Eagle No. 38.....	do.....	47.0	.....	.....	.....
Eagle No. 39.....	do.....	47.0	.....	.....	.....
Eagle No. 40.....	do.....	47.0	.....	.....	.....
Eagle No. 41.....	do.....	43.0	.....	.....	.....
Eagle No. 42.....	do.....	43.0	.....	.....	.....
Eagle No. 43.....	do.....	43.0	.....	.....	.....

¹ Percentages given for Eagle class cover both hull and machinery.

Table 25.—VESSELS UNDER CONSTRUCTION, UNITED STATES NAVY—Continued.

Type, number, and name.	Contractor.	Per cent of completion.			
		Mar. 1, 1919.		Feb. 1, 1919.	
		Total.	On ship.	Total.	On ship.
PATROL BOATS—EAGLE CLASS—continued.					
Eagle No. 44.....	Ford Motor Co.....	32.0			
Eagle No. 45.....	do.....	32.0			
Eagle No. 46.....	do.....	32.0			
Eagle No. 47.....	do.....	25.0			
Eagle No. 48.....	do.....	25.0			
Eagle No. 49.....	do.....	25.0			
Eagle No. 50.....	do.....	25.0			
Eagle No. 51.....	do.....	25.0			
Eagle No. 52.....	do.....	25.0			
Eagle No. 53.....	do.....	25.0			
Eagle No. 54.....	do.....	25.0			
Eagle No. 55.....	do.....	25.0			
Eagle No. 56.....	do.....	25.0			
Eagle No. 57.....	do.....	25.0			
Eagle No. 58.....	do.....	25.0			
Eagle No. 59.....	do.....	25.0			
Eagle No. 60.....	do.....	25.0			
88-FOOT HARBOR TUGS.¹					
46.....	Charleston Navy Yard.....	78.0		78.0	
47.....	do.....	76.0		74.0	
48.....	New Orleans Naval Station.....	86.0		85.0	
49.....	do.....	80.0		79.0	
50.....	do.....	60.0		56.0	
51.....	Chance Marine Construction Co.....	88.0		87.0	
52.....	do.....	80.0		74.0	
53.....	Clayton Ship & Boat Building Co.....	92.0		91.0	
54.....	do.....	92.0		91.0	
55.....	do.....	92.0		91.0	
56.....	Eastern Shipyard Co.....	82.0		81.0	
57.....	Eastern Shore Shipbuilding Co.....	83.0		82.0	
58.....	do.....	80.0		78.0	
59. ²	Great Lakes Boat Building Corp.....			78.0	
60. ³	do.....			78.0	
61.....	Greenport Basin Construction Co.....	83.0		82.0	
62.....	Hiltebrant Dry Dock Co.....	91.0		90.0	
63.....	do.....	88.0		87.0	
64.....	do.....	81.0		79.0	
65.....	do.....	77.0		74.0	
66.....	Jacob, Robert.....	91.0		90.0	
67.....	do.....	88.0		87.0	
68.....	do.....	86.0		85.0	
69.....	do.....	79.0		78.0	
70.....	do.....	74.0		73.0	
71.....	Luders Marine Construction Co.....	94.0		89.0	
72.....	do.....	75.0		72.0	
73.....	do.....	82.0		82.0	
74.....	do.....	78.0		71.0	
75.....	Mathis Yacht Building Co.....	78.0		77.0	
76.....	do.....	75.0		70.0	
77. ⁴	New York Yacht Launch & Engine Co.....			99.8	
78. ⁴	do.....			95.0	
79.....	do.....	99.0		92.0	
80.....	do.....	88.0		85.0	
81.....	do.....	88.0		80.0	
82.....	Vineyard Shipbuilding Co.....	94.0		90.0	
83.....	do.....	88.0		85.0	
84.....	Wheeler, Howard E.....	99.9		99.0	
85.....	do.....	93.0		90.0	

¹ Percentages on 88-foot harbor tugs include machinery.
² Harbor tugs Nos. 59 and 60 lost bound at Oswego, N. Y.

³ Delivered Feb. 11, 1919.
⁴ Delivered Feb. 26, 1919.

Table 26.—TIME REQUIRED TO BUILD BATTLESHIPS IN THE UNITED STATES.

Names.	Authorized.	Date of order or contract.	Keel laid.	Date of first commission.	Time from order or contract to first commission.	Time from laying of keel to first commission.
					Yrs. mos.	Yrs. mos.
Wisconsin.....	June 10, 1898	Sept. 19, 1898	Feb. 9, 1897	Feb. 4, 1901	4 5	4 0
Illinois.....	do	Sept. 26, 1898	Feb. 10, 1897	Sept. 16, 1901	5 0	4 7
Maine.....	May 4, 1898	Oct. 1, 1898	Feb. 15, 1899	Dec. 20, 1902	4 2	3 10
Missouri.....	do	Dec. 30, 1898	Feb. 7, 1900	Feb. 1, 1903	5 0	3 10
Ohio.....	do	Oct. 5, 1898	Apr. 22, 1899	Oct. 4, 1904	6 0	5 6
Rhode Island.....	June 7, 1900	Feb. 15, 1901	May 1, 1902	Feb. 19, 1906	5 0	3 9
Virginia.....	Mar. 3, 1899	do	May 21, 1902	May 7, 1906	5 3	4 0
New Jersey.....	June 7, 1900	do	Apr. 2, 1902	May 12, 1906	5 3	4 1
Louisiana.....	July 1, 1902	Oct. 15, 1902	Feb. 7, 1903	June 2, 1906	3 3	3 4
Georgia.....	Mar. 3, 1899	Feb. 18, 1901	Aug. 31, 1901	Sept. 24, 1906	5 7	5 1
Connecticut.....	July 1, 1902	Oct. 15, 1902	Mar. 10, 1903	Sept. 29, 1906	3 11	2 6
Vermont.....	Mar. 3, 1903	June 20, 1903	May 21, 1904	Mar. 4, 1907	3 9	2 10
Minnesota.....	do	do	Oct. 27, 1903	Mar. 9, 1907	3 9	3 5
Kansas.....	do	June 18, 1903	Feb. 10, 1904	Apr. 18, 1907	3 10	3 2
Nebraska.....	Mar. 3, 1899	Mar. 7, 1901	July 4, 1902	July 1, 1907	6 4	5 0
New Hampshire.....	Apr. 27, 1904	Dec. 27, 1904	May 1, 1905	Mar. 19, 1908	3 3	2 10
Michigan.....	Mar. 3, 1905	July 20, 1906	Dec. 17, 1906	Jan. 4, 1910	3 6	3 1
South Carolina.....	do	July 21, 1906	Dec. 18, 1906	Mar. 1, 1910	3 3	3 3
Delaware.....	June 29, 1906	Aug. 6, 1907	Nov. 11, 1907	Apr. 4, 1910	2 8	2 5
North Dakota.....	Mar. 2, 1907	do	Dec. 16, 1907	Apr. 11, 1910	2 8	2 4
Florida.....	May 13, 1908	Nov. 24, 1908	Mar. 9, 1909	Sept. 15, 1911	2 10	2 6
Utah.....	do	do	Mar. 15, 1909	Aug. 31, 1911	2 10	2 6
Arkansas.....	Mar. 3, 1909	Sept. 26, 1909	Jan. 25, 1910	Sept. 17, 1912	3 0	2 8
Wyoming.....	do	Oct. 14, 1909	Feb. 9, 1910	Sept. 25, 1912	2 11	2 7
New York.....	June 24, 1910	May 1, 1911	Sept. 11, 1911	Apr. 15, 1914	2 11½	2 7
Texas.....	do	Dec. 17, 1910	Apr. 17, 1911	Mar. 12, 1914	3 3	2 11
Oklahoma.....	Mar. 4, 1911	Jan. 22, 1912	Oct. 26, 1912	May 2, 1916	4 2½	3 6
Nevada.....	do	do	Nov. 4, 1912	Mar. 11, 1916	4 1	3 4
Pennsylvania.....	Aug. 22, 1912	Feb. 28, 1913	Oct. 27, 1913	June 12, 1916	3 4½	2 7½
Arizona.....	Mar. 4, 1913	June 24, 1913	Mar. 16, 1914	Oct. 17, 1916	3 4	2 7
Mississippi.....	June 30, 1914	Nov. 23, 1914	Apr. 5, 1915	Dec. 18, 1917	3 1	2 8½
New Mexico.....	do	Oct. 20, 1914	Oct. 14, 1915	May 20, 1918	3 7	2 7

¹ Preparation of preliminary plans authorized; construction not authorized until Mar. 2, 1907.

² When placed in commission the hull was 96.6 per cent completed and the machinery 93.2 per cent completed.

Table 27.—SHIPS ON THE NAVY LIST JUNE 30, 1918.

Vessel.	Date of first commission or purchase.	Type.	Cost (hull, machinery, and armor).	Repairs, changes, and additions to June 30, 1918.
AA-1.....		Submarine	\$1,243,777.94	
AA-2.....		do	1,013,315.00	
AA-3.....		do	974,900.00	
A-2.....	Jan. 12, 1903	do	173,657.80	\$86,011.31
A-3.....	May 28, 1903	do	173,364.35	85,282.76
A-4.....	Jan. 17, 1903	do	173,671.04	89,471.65
A-5.....	May 28, 1903	do	173,298.41	86,248.92
A-6.....	Sept. 19, 1903	do	171,843.44	95,594.49
A-7.....	do	do	171,841.34	87,654.22
Abaranda.....	May 20, 1898	Fuel ship	175,000.00	450,106.73
Abbot.....		Destroyer	416,153.33	
Accomac.....		Tug	40,000.00	90,914.94
Actus.....	June —, 1917	Scout patrol	40,000.00	7,173.66
Adams.....		Unserviceable	55,183.00	320,007.02
Admiral.....	June —, 1917	Scout patrol	7,000.00	14,442.39
Ahean.....	May 14, 1898	Converted yacht	55,000.00	54,177.73
Ajax.....	May 21, 1898	Fuel ship	267,675.50	567,622.19
Akbar.....	June —, 1917	Scout patrol	25,000.00	2,274.11
Alabama.....	Oct. 16, 1900	Battleship	4,077,010.09	1,416,576.81
Albany.....	May 29, 1900	Cruiser	1,207,644.13	799,818.34
Albert Brown.....	June —, 1917	Scout patrol	30,000.00	10,587.61

Table 27.—SHIPS ON THE NAVY LIST JUNE 30, 1918—Continued.

Vessel.	Date of first commission or purchase.	Type.	Cost (hull, machinery, and armor).	Repairs, changes, and additions to June 30, 1918.
Alert.....	No record.	Gunboat.....	\$118,000.00	\$434,913.65
Alice.....	June —, 1917	Scout patrol.....	5,000.00	2,916.50
Allegheny.....	No record.	Tug.....	365,152.17	8,072.24
Allen.....	Jan. 24, 1917	Destroyer.....	812,070.64	14,564.04
Almax 11.....	Nov. —, 1917	Scout patrol.....	5,500.00	2,330.41
Alpha.....	June —, 1918	do.....	5,000.00	541.02
Althea.....	Sept. —, 1917	do.....	5,500.00	144.45
Ameera.....	Feb. —, 1918	do.....	31,000.00	1,145.02
Ammen.....	May 23, 1911	Destroyer.....	655,491.76	121,472.86
Ammunition Ship No. 1.....		Special type.....	210,547.35	
Amphitrite.....	Apr. 23, 1895	Monitor.....	1,951,818.17	490,976.52
Anemone.....				
Annapolis.....	July 20, 1897	Gunboat.....	278,121.52	392,275.15
Anniston (ex Montgomery).....	Apr. 11, 1908	Cruiser.....	1,050,933.54	991,733.91
Anthony.....			315,937.07	
Aramis.....	Sept. —, 1917	Scout patrol.....	240,000.00	27,219.37
Arapaho.....	Dec. 2, 1914	Tug.....	123,666.66	30,958.60
Arcady.....	June —, 1917	Scout patrol.....	20,000.00	14,379.51
Ardent.....	June —, 1917	do.....	30,000.00	6,701.63
Arcthusa.....	..... 1898	Fuel ship.....	218,992.50	596,965.77
Arizona.....	No record.	Battleship.....	11,013,872.98	121,517.92
Arkansas.....	Sept. 17, 1912	do.....	8,376,821.70	820,390.86
Arrostock.....	Nov. —, 1917	Scout patrol.....	1,350,000.00	799,056.78
Arroyo.....	June —, 1917	do.....	1.00	950.88
Artemis (now Arcturus).....	Nov. —, 1917	do.....	181,300.00	68,485.17
Artmar 11.....	Sept. —, 1917	do.....	9,012.00	626.52
Asheville (Gunboat 21).....		Gunboat.....	367,054.97	
Aspinet.....	..... 1898	Tug.....	54,510.00	129,840.41
Astrea.....	Sept. —, 1917	Scout patrol.....	2,500.00	4,497.56
Atlantic 11.....	May —, 1917	do.....	75,000.00	81,363.64
Atlantis.....	Nov. —, 1917	do.....	9,593.60	4,748.52
Audwin.....	Sept. —, 1917	do.....	9,500.00	2,066.60
Auk.....		Mine sweeper.....	134,420.00	
Avocet.....		do.....	328,465.37	
Aylwin.....	Jan. 17, 1914	Destroyer.....	781,908.38	125,537.11
B-1.....	Oct. 18, 1907	Submarine.....	200,957.48	68,528.87
B-2.....		do.....	187,982.32	46,770.01
B-3.....	Dec. 3, 1907	do.....	185,077.84	74,082.77
Bab.....	Nov. —, 1917	Scout patrol.....	1.00	84.00
Babbitt.....		Destroyer.....	368,535.80	
Babcock, W. F.....	Dec. —, 1917	Scout patrol.....	34,750.00	7,181.00
Badger.....		Destroyer.....	368,535.81	
Bagley.....	Oct. 18, 1901	Torpedo boat.....	166,065.40	122,562.81
Bailey.....		Destroyer.....	315,937.07	
Bailey.....	June 10, 1901	Torpedo boat.....	234,299.09	239,542.76
Bagley.....		Destroyer.....	416,153.31	
Bainbridge.....	Nov. 24, 1902	do.....	303,900.63	305,918.96
Balch.....	Mar. 26, 1914	do.....	780,651.18	89,835.08
Ballard.....		do.....	315,937.07	
Baltimore.....	Jan. 7, 1890	Special type.....	1,554,483.94	2,073,443.30
Bancroft.....		Destroyer.....	315,937.07	
Barge No. 4.....	May —, 1918	Scout patrol.....	13,352.60	
Barge No. 5.....	do.....	do.....	13,352.60	
Barge No. 6.....	do.....	do.....	13,250.00	
Barge No. 7.....	do.....	do.....	13,250.00	
Barge No. 8.....	do.....	do.....	13,250.00	
Barge No. 9.....	do.....	do.....	13,250.00	
Barge No. 10.....	do.....	do.....	13,250.00	
Barge No. 11.....	do.....	do.....	13,250.00	
Barnegat.....	Dec. —, 1917	do.....	181,091.25	73,717.63
Barney.....		Destroyer.....	590,741.04	
Barney.....	Oct. 21, 1901	Torpedo boat.....	165,752.26	146,946.50
Barry.....	Nov. 24, 1902	Destroyer.....	303,349.15	295,276.66
Beale.....	Aug. 30, 1912	do.....	660,396.42	202,074.18
Belknap.....		do.....	315,937.07	
Bell.....		do.....	779,618.81	
Benham.....	Jan. 20, 1914	do.....	764,376.88	69,753.26
Bernadou.....		do.....	590,741.04	
Biddle.....		do.....	590,741.04	
Biddle.....	Oct. 26, 1901	Torpedo boat.....	165,804.01	93,402.97
Birmingham.....	Apr. 11, 1908	Cruiser.....	1,629,956.43	464,208.46
Bittern.....		Mine sweeper.....	241,623.96	
Blakeley.....		Destroyer.....	590,741.04	
Blakely.....	Dec. 27, 1904	Torpedo boat.....	182,105.02	206,409.17
Bobolink.....		Mine sweeper.....	328,475.40	
Boggs.....		Destroyer.....	450,889.81	
Bomita.....	June —, 1917	Scout patrol.....	4,400.00	3,676.72
Boothbay.....	Jan. —, 1918	do.....	100,000.00	3,752.32
Bouker No. 2.....	do.....	do.....	92,000.00	21,296.25

Table 27.—SHIPS ON THE NAVY LIST JUNE 30, 1918—Continued.

Vessel.	Date of first commission or purchase.	Type.	Cost (hull, machinery, and armor).	Repairs, changes, and additions to June 30, 1918.
Boxer.....	June 1, 1905	Unserviceable.....	\$94,703.14	\$1,528.64
Boy Scout.....	June —, 1917	Scout patrol.....	7,000.00	1,461.96
Bradley, Geo. H.....	Nov. —, 1917	do.....	21,000.00	16,640.93
Brant.....		Mine sweeper.....	292,176.24	
Brazos (Fuel Ship No. 10).....		Fuel ship.....	552,177.64	49.21
Breakwater.....	Jan. —, 1918	Scout patrol.....	89,791.79	15,287.27
Breckinridge.....		Destroyer.....	590,741.03	
Breese.....		do.....	802,359.72	
Brooklyn.....	Dec. 1, 1896	Cruiser.....	3,944,820.73	1,459,978.93
Bridge.....	June 2, 1917	Supply ship.....	1,256,250.52	21,371.72
Brooks.....		Destroyer.....	389,229.30	
Brutus.....	May 27, 1898	Fuel ship.....	215,000.00	476,553.88
Buchanan.....		Destroyer.....	340,083.77	
Buffalo.....	July 18, 1898	Transport.....	550,000.00	1,422,917.13
Barnes, John Francis.....		Destroyer.....	373,463.48	
Burns.....		do.....	589,617.55	
Burrows.....	Feb. 21, 1911	do.....	679,741.78	51,709.67
Bush.....		do.....	261,508.06	
Bushnel.....	Nov. 21, 1915	Tender.....	949,277.80	33,879.98
C-1.....	June 30, 1908	Submarine.....	253,119.81	142,137.21
C-2.....	Nov. 23, 1909	do.....	299,833.16	87,691.90
C-3.....	do.....	do.....	300,331.08	101,420.84
C-4.....	do.....	do.....	299,078.27	71,947.37
C-5.....	Feb. 2, 1910	Submarine.....	344,142.36	106,218.47
Caesar.....	May 13, 1898	Fuel ship.....	175,194.00	425,803.76
Cahill, W. S.....	Nov. —, 1917	Scout patrol.....	110,000.00	838.12
Caldwell.....	Dec. 1, 1917	Destroyer.....	853,693.13	19,380.95
California.....		Battleship.....	5,901,511.11	
Calypso.....	Sept. 17, 1917	Scout patrol.....	3,000.00	1,399.82
Captain Dud.....	June —, 1918	do.....	12,040.68	
Cardinal.....		Mine sweeper.....	289,303.02	
Carola IV.....	May —, 1917	Scout patrol.....	25,000.00	19,278.03
Carré Clark.....	Dec. —, 1917	Destroyer.....	15,341.25	6,080.13
Cassin.....	Aug. 9, 1913	do.....	781,337.87	78,404.94
Castine.....	Oct. 22, 1894	Gunboat.....	510,878.13	582,190.71
Cayuga.....	No record.....	Tug.....	42,500.00	106,032.27
Celeritas.....	June —, 1917	Scout patrol.....	15,000.00	816.14
Celtic.....	May 25, 1898	Supply ship.....	340,900.00	629,698.96
Champlain.....		Destroyer.....	585,694.76	
Chandler.....		do.....	278,371.21	
Charles Mann.....	June —, 1917	Scout patrol.....	25,000.00	19,466.77
Charleston.....	Oct. 17, 1905	Cruiser.....	3,267,234.16	654,396.36
Chattanooga.....	Oct. 11, 1904	do.....	1,378,445.75	462,349.72
Chauncey.....		Destroyer.....	373,463.48	
Chemung.....	No record.....	Tug.....	183,025.79	25,630.85
Chester.....	Apr. 25, 1908	Cruiser.....	1,766,293.52	426,604.93
Chew.....		Destroyer.....	585,694.79	
Chewink.....		Mine sweeper.....	134,420.00	
Cheyenne.....	Dec. 8, 1902	Monitor.....	1,372,093.16	397,463.93
Chicago.....	Apr. 17, 1889	Cruiser.....	1,150,000.00	2,047,330.77
Chilhowee.....	Nov. —, 1917	Scout patrol.....	12,000.00	9,901.51
Christabel.....	Sept. —, 1917	do.....	55,000.00	11,607.24
Christine.....	Jan. —, 1918	do.....	8,006.00	369.37
Cigarette.....	Nov. —, 1917	do.....	26,000.00	2,141.69
Cincinnati.....	June 16, 1894	Cruiser.....	2,023,326.91	2,379,025.44
City of Lewes.....	Sept. —, 1917	Scout patrol.....	149,508.68	36,265.10
Clarinda.....	Aug. —, 1917	do.....	25,000.00	16,683.01
Claxton.....		Destroyer.....	199,712.90	
Clemson.....		do.....	416,110.71	
Cleveland.....	Nov. 2, 1903	Cruiser.....	1,098,320.33	583,042.65
Cobra.....	Nov. —, 1917	Scout patrol.....	14,000.00	2,001.61
Coco.....	Sept. —, 1917	do.....	5,500.00	578.36
Cole.....		Destroyer.....	590,741.04	
Colhoun.....	June 13, 1918	do.....	1,323,724.89	1,241.48
Colorado.....		Battleship.....	2,611,912.31	
Columbia.....	Apr. 23, 1894	Cruiser.....	3,461,960.26	1,239,843.96
Comfort.....	Sept. —, 1917	Hospital ship.....	2,240,000.00	
Commodore.....	Nov. —, 1917	Scout patrol.....	19,000.00	3,690.37
Concord.....	do.....	do.....	250,000.00	53,677.57
Condor.....		Mine sweeper.....	118,116.96	
Conestoga.....	Jan. —, 1918	Scout patrol.....	315,000.00	76,095.49
Connecticut.....	Sept. 29, 1906	Battleship.....	6,394,757.77	1,584,847.73
Conner.....	Jan. 12, 1918	Destroyer.....	864,038.13	43,651.90
Constance II.....	Sept. —, 1917	Scout patrol.....	5,000.00	4,020.43
Constellation.....		Battle cruiser.....	641,818.64	
Constellation.....	1797	Unserviceable.....	18,785.00	346,630.94
Constitution (old).....	1797	do.....	13,320.00	139,550.34
Conyngham.....	Jan. 21, 1916	Destroyer.....	886,167.99	20,954.49

Table 27.—SHIPS ON THE NAVY LIST JUNE 30, 1918—Continued.

Vessel	Date of first commission or purchase.	Type.	Cost (hull, machinery, and armor).	Repairs, changes, and additions to June 30, 1918.
Cormorant		Mine sweeper	\$82,940.00	
Corona	May —, 1917	Scout patrol	90,000.00	\$60,227.96
Coronet	Sept. —, 1917	do	11,536.65	9,367.53
Cossack	June —, 1917	do	21,000.00	11,904.78
Courtney, W. J.	Nov. —, 1917	do	100,000.00	269.78
Cowell		Destroyer	261,508.06	
Coyote	Sept. —, 1917	Scout patrol	3,015.00	
Crane		Destroyer	585,694.77	
Craven		do	882,801.08	
Crosby		do	261,508.06	
Crownshield		do	340,083.78	
Culgoa	Dec. 3, 1898	Supply ship	247,704.85	894,168.75
Cumberland	1904	Unserviceable	427,463.37	41,019.77
Cummings	Sept. 19, 1913	Destroyer	778,086.33	74,758.37
Curlow		Mine sweeper	267,058.78	
Cushing	Aug. 21, 1915	Destroyer	892,352.63	50,296.36
Cuyama	Apr. 2, 1917	Fuel ship	1,043,022.03	4,957.64
D-1	Nov. 23, 1909	Submarine	377,234.25	129,894.47
D-2		do	378,100.98	161,406.35
D-3	Sept. 8, 1910	do	390,318.81	99,983.94
Dahlgren	June 16, 1900	Torpedo boat	200,771.07	103,591.67
Dahlgren		Destroyer	418,110.71	
Dalquiri	Nov. —, 1917	Scout patrol	19,000.00	5,833.14
Dale	Nov. 24, 1902	Destroyer	278,990.35	286,342.38
Daraga	May —, 1917	Scout patrol	13,000.00	3,538.55
Davis	Oct. 15, 1916	Destroyer	823,743.30	3,941.34
Davis, M. M.	Nov. —, 1917	Scout patrol	92,500.00	14,377.23
Decatur	May 19, 1902	Destroyer	278,039.01	374,842.71
Delaware	Apr. 4, 1910	Battleship	6,630,795.88	1,029,021.31
De Long	Oct. 27, 1902	Torpedo boat	368,535.79	118,022.63
Delphy		Destroyer	315,937.07	
Dent		do	1,147,941.17	
Denver	May 17, 1904	Cruiser	1,139,146.06	584,683.63
Des Moines	Mar. 5, 1904	do	1,150,256.68	450,495.33
Despatch	Sept. —, 1917	Scout patrol	112,000.00	8,739.52
Destroyer No. 157		Destroyer	385,639.55	
Destroyer No. 159		do	385,639.54	
Destroyer No. 160		do	385,639.60	
Destroyer No. 193		do	416,110.71	
Destroyer No. 194		do	416,110.71	
Destroyer No. 195		do	416,110.71	
Destroyer No. 196		do	416,110.71	
Destroyer No. 197		do	416,110.71	
Destroyer No. 198		do	416,110.71	
Destroyer No. 199		do	416,110.71	
Destroyer No. 200		do	416,110.71	
Destroyer No. 201		do	416,110.72	
Destroyer No. 202		do	416,110.73	
Destroyer No. 203		do	416,110.72	
Destroyer No. 204		do	416,110.72	
Destroyer No. 205		do	416,110.72	
Destroyer No. 206		do	276,371.21	
Destroyer No. 209		do	276,371.21	
Destroyer No. 210		do	276,371.21	
Destroyer No. 211		do	276,371.21	
Destroyer No. 212		do	276,371.21	
Destroyer No. 213		do	276,371.21	
Destroyer No. 214		do	276,371.21	
Destroyer No. 215		do	276,371.21	
Destroyer No. 216		do	276,371.21	
Destroyer No. 217		do	276,371.21	
Destroyer No. 218		do	276,371.21	
Destroyer No. 219		do	276,371.21	
Destroyer No. 220		do	276,371.21	
Destroyer No. 221		do	276,371.21	
Destroyer No. 222		do	276,371.20	
Destroyer No. 223		do	276,371.20	
Destroyer No. 224		do	276,371.20	
Destroyer No. 225		do	276,371.20	
Destroyer No. 226		do	276,371.20	
Destroyer No. 227		do	276,371.20	
Destroyer No. 228		do	276,371.20	
Destroyer No. 229		do	276,371.20	
Destroyer No. 230		do	276,371.20	
Destroyer No. 233		do	389,229.30	
Destroyer No. 234		do	389,229.30	
Destroyer No. 235		do	389,229.30	
Destroyer No. 236		do	389,229.30	
Destroyer No. 237		do	389,229.30	

Table 27.—SHIPS ON THE NAVY LIST JUNE 30, 1918—Continued.

Vessel.	Date of first commission or purchase.	Type.	Cost (hull, machinery, and armor).	Repairs, changes, and additions to June 30, 1918.
Destroyer No. 233		Destroyer	\$399,229.30	
Destroyer No. 239		do	389,229.30	
Destroyer No. 240		do	389,229.30	
Destroyer No. 241		do	389,229.30	
Destroyer No. 242		do	389,229.30	
Destroyer No. 243		do	389,229.30	
Destroyer No. 244		do	389,229.30	
Destroyer No. 245		do	389,229.30	
Destroyer No. 246		do	389,229.31	
Destroyer No. 247		do	389,229.31	
Destroyer No. 248		do	389,229.31	
Destroyer No. 249		do	389,229.31	
Destroyer No. 250		do	389,229.31	
Destroyer No. 258		do	315,937.07	
Destroyer No. 259		do	315,937.07	
Destroyer No. 260		do	315,937.07	
Destroyer No. 274		do	315,937.07	
Destroyer No. 275		do	315,937.07	
Destroyer No. 276		do	315,937.07	
Destroyer No. 277		do	315,937.07	
Destroyer No. 278		do	315,937.07	
Destroyer No. 279		do	315,937.07	
Destroyer No. 280		do	315,937.07	
Destroyer No. 281		do	315,937.07	
Destroyer No. 282		do	315,937.06	
Destroyer No. 283		do	315,937.06	
Destroyer No. 284		do	315,937.06	
Destroyer No. 285		do	315,937.06	
Destroyer No. 286		do	315,937.06	
Destroyer No. 287		do	315,937.06	
Destroyer No. 288		do	315,937.06	
Destroyer No. 289		do	315,937.06	
Destroyer No. 290		do	315,937.06	
Destroyer No. 291		do	315,937.06	
Destroyer No. 292		do	315,937.06	
Destroyer No. 293		do	315,937.06	
Destroyer No. 294		do	315,937.06	
Destroyer No. 295		do	315,937.06	
Destroyer No. 307		do	315,463.48	
Destroyer No. 310		do	373,463.48	
Destroyer No. 311		do	373,463.48	
Destroyer No. 312		do	373,463.48	
Destroyer No. 313		do	373,463.48	
Destroyer No. 314		do	373,463.48	
Destroyer No. 315		do	373,463.48	
Destroyer No. 316		do	373,463.48	
Destroyer No. 317		do	373,463.48	
Destroyer No. 318		do	373,463.48	
Destroyer No. 319		do	373,463.48	
Destroyer No. 320		do	373,463.48	
Destroyer No. 321		do	373,463.48	
Destroyer No. 322		do	373,463.48	
Destroyer No. 323		do	373,463.48	
Destroyer No. 324		do	373,463.48	
Destroyer No. 325		do	373,463.48	
Destroyer No. 326		do	373,463.47	
Destroyer No. 327		do	373,463.47	
Destroyer No. 328		do	373,463.47	
Destroyer No. 329		do	373,463.47	
Destroyer No. 330		do	373,463.47	
Destroyer No. 331		do	373,463.47	
Destroyer No. 332		do	373,463.47	
Destroyer No. 333		do	373,463.47	
Destroyer No. 334		do	373,463.47	
Destroyer No. 335		do	373,463.47	
Destroyer No. 336		do	10,287.06	
Destroyer No. 337		do	1,108.64	
Destroyer No. 338		do	1,052.48	
Destroyer No. 339		do	1,065.21	
Destroyer No. 340		do	1,014.17	
Destroyer No. 341		do	1,896.33	
Destroyer No. 342		do	9,732.80	
Destroyer No. 343		do	8.77	
Destroyer No. 344		do	373.15	
Dixie	Apr. 19, 1898	Tender	575,000.00	\$1,130,240.97
Diana	Sept. —, 1917	Scout patrol	9,500.00	872.77
Dodger II	June —, 1917	do	12,500.00	3,267.91
Dolphin	Dec. 8, 1885	Gunboat	350,000.00	713,458.31
Don Juan de Austria	Apr. 11, 1900	do	187,000.00	513,986.45
Doris B IV	June —, 1917	Scout patrol	15,500.00	1,381.01

Table 27.—SHIPS ON THE NAVY LIST JUNE 30, 1918—Continued.

Vessel.	Date of first commission or purchase.	Type.	Cost (hull, machinery, and armor).	Repairs, changes, and additions to June 30, 1918.
Dorothea.....	June 1, 1898	Converted yacht..	\$187,500.00	\$143,578.41
Dorsey.....		Destroyer.....	1,137,544.07	
Douglas, O. W.....	Nov. —, 1917	Scout patrol.....	110,000.00	1,031.58
Downes.....	Feb. 11, 1916	Destroyer.....	806,413.55	34,231.69
Drayton.....	Oct. 29, 1910	do.....	643,864.54	119,800.52
Druid.....	June —, 1917	Scout patrol.....	90,000.00	177,854.22
Dubuque.....	June 3, 1905	Gunboat.....	334,974.33	184,280.62
Duncan.....	Aug. 30, 1913	Destroyer.....	795,940.26	115,138.48
Dupont.....	Sept. 23, 1897	Torpedo boat.....	165,501.03	174,643.70
Dupont.....		Destroyer.....	590,741.04	
Dyer.....	June 30, 1918	do.....	1,286,440.37	10.47
E-1.....	Feb. 14, 1912	Submarine.....	367,788.57	147,685.82
E-2.....	do.....	do.....	390,930.12	265,470.01
Eagle boats.....		Fabricated patrol vessel.....	1,384,823.88	
Eagle.....	Mar. 26, 1898	Converted yacht.....	110,000.00	434,054.76
Eaglet.....	Sept. —, 1917	Scout patrol.....	23,000.00	633.74
East Hampton.....	June —, 1917	do.....	125,000.00	53,146.55
Edithena.....	Sept. —, 1917	do.....	17,000.00	4,460.29
Editha.....	do.....	do.....	27,000.00	8,226.31
Edith M III.....	do.....	do.....	5,500.00	5,540.20
Edwards.....		Destroyer.....	315,937.07	
Edwards, W. A.....	Nov. —, 1917	Scout patrol.....	105,000.00	5,605.52
Elder.....		Mine sweeper.....	108,482.60	
Elcano.....	Nov. 20, 1898	Gunboat.....	29,750.00	194,621.96
Elfrida.....	June 30, 1898	Converted yacht.....	50,000.00	38,888.73
Ellen.....	June —, 1917	Scout patrol.....	10,000.00	7,184.21
Elliot.....		Destroyer.....	589,627.04	
Ellis.....		do.....	590,741.04	
Elizabeth.....	Jan. —, 1918	Scout patrol.....	5,000.00	1,860.56
Elmasada.....	Aug. —, 1917	do.....	12,000.00	
Elste III.....	June —, 1917	do.....	5,000.00	2,082.80
Emeline.....	May —, 1917	do.....	92,500.00	68,145.11
Endion.....	do.....	do.....	18,000.00	5,831.61
Enterprise.....	Nov. —, 1917	do.....	24,101.42	1,124.50
Ericsson.....	Aug. 14, 1815	Destroyer.....	866,892.43	39,119.74
Essex.....	—, 1876	Unservicable.....	117,800.00	256,404.78
Eugene F. Price.....	June —, 1917	Scout patrol.....	50,000.00	10,075.67
Euphemia.....	Sept. —, 1917	do.....	3,500.00	10.20
Evans.....		Destroyer.....	1,004,016.99	
F-2.....	June 25, 1912	Submarine.....	470,519.44	178,716.14
F-3.....	Aug. 5, 1912	do.....	469,588.17	149,976.28
Fairfax.....	Apr. 6, 1918	Destroyer.....	992,504.65	2,374.10
Falcon.....		Mine sweeper.....	193,022.03	
Fanning.....	June 21, 1912	Destroyer.....	629,699.04	107,136.23
Farquhar.....		do.....	373,463.48	
Farragut.....	Mar. 22, 1899	Torpedo boat.....	246,902.23	158,909.34
Farragut.....		Destroyer.....	373,463.48	
Fashion.....	Sept. —, 1917	Scout patrol.....	8,000.00	
Fearless.....	do.....	do.....	70,000.00	15,264.48
Felicia.....	do.....	do.....	50,110.00	14,023.50
Finch.....		Mine sweeper.....	436,031.88	
Flamingo.....		do.....	258,059.75	
Florida.....	July 15, 1911	Battleship.....	8,983,865.74	722,195.08
Flusser.....	Oct. 28, 1909	Destroyer.....	639,962.56	217,572.38
Foote.....		do.....	261,506.06	
Foote.....	Aug. 7, 1897	Torpedo boat.....	119,216.71	120,473.91
Fortune.....	—, 1864	Tug.....	146,600.00	212,444.22
Frederick.....	Apr. 18, 1905	Cruiser.....	4,874,874.16	1,181,368.11
Froshlich, E. M.....	Nov. —, 1917	Scout patrol.....	25,000.00	13,089.23
Fuller.....		Destroyer.....	373,463.48	
Fulton.....	Dec. 7, 1914	Torpedo boat.....	515,491.77	56,229.86
G-1.....	Oct. 28, 1912	Submarine.....	470,904.29	132,872.83
G-2.....	Feb. 6, 1915	do.....	479,347.46	36,501.41
G-3.....	Mar. 22, 1915	do.....	529,832.47	30,622.90
G-4.....	Jan. 22, 1914	do.....	441,475.47	44,616.40
Galatea.....	Sept. —, 1917	Scout patrol.....	195,000.00	92,076.07
Galveston.....	Feb. 15, 1905	Cruiser.....	1,426,850.73	428,060.30
Gamble.....		Destroyer.....	802,359.72	
Gannet.....		do.....	82,940.00	
General Knox.....	Dec. —, 1917	Scout patrol.....	24,545.25	11,633.31
General Alava.....	Mar. 9, 1900	Transport.....	99,760.00	224,463.83
Georgia.....	Sept. 24, 1906	Battleship.....	5,541,279.58	1,705,898.08
Glacier.....	July 5, 1898	Supply ship.....	340,550.00	728,218.74
Glendoveer.....	Nov. —, 1917	Scout patrol.....	10,869.11	1,687.46
Gloucester.....	May 20, 1899	Converted yacht.....	225,000.00	214,788.45
Goldsborough.....	Apr. 9, 1908	Torpedo boat.....	416,110.71	76,061.09
Gopher.....	—, 1871	Unservicable.....	41,060.00	151,500.75
Gordon.....	Mar. —, 1913	Scout patrol.....	32,149.70	26,442.84
Goshawk.....		Mine sweeper.....	82,940.00	

Table 27.—SHIPS ON THE NAVY LIST JUNE 30, 1918—Continued.

Vessel.	Date of first commission or purchase.	Type.	Cost (hull, machinery, and armor).	Repairs, changes, and additions to June 30, 1918.
Graham.....		Destroyer.....	\$416,110.71	
Granite State.....	—, —, 1818	Unserviceable.....	61,000.00	\$20,301.83
Grebe.....		Mine sweeper.....	91,707.19	
Greene.....		Destroyer.....	585,694.80	
Greene, Howard.....	Mar. —, 1918	Scout patrol.....	127,817.02	1,186.44
Greer.....		Destroyer.....	590,741.04	
Gregory.....	June 1, 1917	do.....	1,317,984.47	4,771.70
Grey Fox.....	June —, 1917	Scout patrol.....	10,150.00	2,820.06
Grey Hound.....	Sept. —, 1917	do.....	6,500.00	1,218.50
Gridley.....		Destroyer.....	585,694.82	
Grosbeak.....	Sept. —, 1917	Scout patrol.....	4,500.00	1,242.77
Gurkha.....	June —, 1917	do.....	12,000.00	1,227.61
Gwin.....		Destroyer.....	750,370.38	
Gypsum Queen.....	Nov. —, 1917	Scout patrol.....	205,548.92	62,113.24
H-1.....	Dec. 1, 1913	Submarine.....	510,428.77	130,140.05
H-2.....	do.....	do.....	518,608.88	124,922.27
H-3.....	Jan. 16, 1914	do.....	512,247.35	238,100.34
H-4.....		do.....	244,536.73	
H-5.....		do.....	244,530.73	
H-6.....		do.....	244,536.73	
H-7.....		do.....	244,536.74	
H-8.....		do.....	244,536.74	
H-9.....		do.....	244,536.74	
Hackett, Francis B.....	Feb. —, 1918	Scout patrol.....	150,000.00	78,187.65
Hale.....		Destroyer.....	340,083.78	
Hamilton.....		do.....	187,835.81	
Hancock.....	Nov. 20, 1902	Transport.....	600,000.00	771,479.90
Hannibal.....	June 7, 1898	Special type.....	147,941.60	480,707.22
Haraden.....		Destroyer.....	416,153.31	
Harding.....		do.....	585,694.83	
Hart.....	—, —, 1858	do.....	590,802.53	
Hartford.....		Unserviceable.....	256,964.05	884,007.71
Harvest Queen.....	Nov. —, 1917	Scout patrol.....	5,000.00	2,278.01
Hatfield.....		Destroyer.....	389,229.30	
Hauoli.....	Sept. —, 1917	Scout patrol.....	65,000.00	1,330.21
Hawk.....	Apr. 5, 1898	Converted yacht.....	50,000.00	68,418.74
Hazelwood.....		Destroyer.....	585,694.80	
Helen Euphane.....	Nov. —, 1917	Scout patrol.....	45,000.00	13,968.24
Helena.....	July 8, 1897	Gunboat.....	430,669.05	388,183.26
Heliathanus.....	June —, 1917	Scout patrol.....	11,500.00	2,046.93
Helori.....	do.....	do.....	20,006.48	2,499.29
Henderson.....	June 7, 1917	Transport.....	1,720,840.29	111,294.77
Henley.....	Dec. 6, 1912	Destroyer.....	668,648.45	487,704.46
Hercules.....	—, —, 1898	Tug.....	40,000.00	115,340.35
Heron.....		Mine sweeper.....	435,874.32	
Hereshoff No. 306.....	Mar. —, 1918	Scout patrol.....	89,931.47	126.50
Hereshoff No. 308.....	do.....	do.....	94,254.31	19.33
Hereshoff No. 321.....	do.....	do.....	101,190.33	
Hereshoff No. 322.....	do.....	do.....	40,534.02	94.12
Hereshoff No. 323.....	do.....	do.....	100,480.56	
Hetman.....	Nov. —, 1917	do.....	28,530.00	271.12
Hiawatha.....	Aug. —, 1917	do.....	33,115.00	2,344.88
High Ball.....	Sept. —, 1917	do.....	1.00	182.46
Hinton, John B.....	Nov. —, 1917	do.....	110,000.00	82.88
Hogan.....		Destroyer.....	585,694.80	
Hopewell.....		do.....	416,153.33	
Hopetill.....	June —, 1917	Scout patrol.....	22,000.00	7,104.96
Hopkins.....	Sept. 23, 1903	Destroyer.....	313,350.79	420,331.38
Hospital Ship No. 1.....		Hospital ship.....	197,064.50	
Howard.....		Destroyer.....	585,694.80	
Howarda.....	June —, 1917	Scout patrol.....	13,000.00	34.36
Hubbard, B. H. B.....	do.....	do.....	100,000.00	18,303.04
Hudson.....	May —, 1918	do.....	35,000.00	
Hull.....	May 20, 1903	Destroyer.....	318,316.05	336,877.00
Huntington.....		Cruiser.....	4,885,216.51	1,407,023.70
Huntress.....	July 1, 1898	Converted yacht.....	27,500.00	33,131.43
Hupa.....	Sept. —, 1917	Scout patrol.....	4,000.00	112.48
Hurst, Floyd.....	Mar. —, 1918	do.....	8,000.00	6.95
Idaho.....		Battleship.....	10,441,964.24	
Illinois.....	Sept. 16, 1901	do.....	4,073,429.26	1,426,444.77
Indiana.....	Nov. 20, 1895	do.....	5,333,708.05	2,199,963.42
Ingram.....		Destroyer.....	315,937.07	
Ingramham.....		do.....	596,802.54	
Intrepid.....	—, —, 1904	Unserviceable.....	408,948.19	36,768.72
Ionita.....	Sept. —, 1917	Scout patrol.....	6,000.00	2.55
Iowa.....	June 16, 1897	Battleship.....	5,162,587.12	1,771,921.68
Iroquois.....	—, —, 1898	Tug.....	150,000.00	163,196.71
Isabel.....	Aug. —, 1917	Scout patrol.....	611,552.92	119,680.38
Isla de Luzon.....	Jan. 31, 1900	Gunboat.....	219,700.00	374,693.73
Israel.....		Destroyer.....	778,996.77	

Table 27.—SHIPS ON THE NAVY LIST JUNE 30, 1918—Continued.

Vessel.	Date of first commission or purchase.	Type.	Cost (hull, machinery, and armor).	Repairs, changes, and additions to June 30, 1918.
Iwana.....	Dec. 20, 1891	Tug.....	\$33,253.57	\$93,776.97
Jacob Jones.....	.....	.....	35,110.25	.....
James H. Clark.....	Sept. —, 1917	Scout patrol.....	15,000.00	3,504.95
James, W. T.....	Nov. —, 1917	do.....	100,000.00	223.00
Jarvis.....	Oct. 22, 1912	Destroyer.....	641,631.86	96,747.58
Jason.....	June 26, 1913	Fuel ship.....	971,869.99	234,656.84
Jeanette.....	June —, 1917	Scout patrol.....	3,162.00	1,581.99
Jenkins.....	June 15, 1912	Destroyer.....	651,673.67	119,333.18
Joanna.....	Feb. —, 1918	Scout patrol.....	9,000.00	2.72
Jones, William.....	.....	Destroyer.....	373,463.48	.....
Josephus.....	Dec. —, 1917	Scout patrol.....	20,454.75	.....
Jouett.....	May 25, 1912	Destroyer.....	666,511.33	141,072.62
Joyance.....	June —, 1917	Scout patrol.....	25,000.00	13,458.28
Jupiter.....	Apr. 7, 1913	Fuel ship.....	1,326,111.36	312,356.31
K-1.....	Mar. 17, 1914	Submarine.....	478,370.51	161,442.96
K-2.....	Jan. 31, 1914	do.....	481,495.45	161,361.09
K-3.....	Oct. 30, 1914	do.....	550,381.43	54,587.64
K-4.....	Oct. 24, 1914	do.....	543,319.05	01,012.21
K-5.....	Aug. 22, 1914	do.....	483,176.90	135,577.36
K-6.....	Sept. 9, 1914	do.....	483,225.66	118,569.60
K-7.....	Dec. 1, 1914	do.....	527,148.12	56,924.23
K-8.....	do.....	do.....	573,334.94	51,999.31
Kalk.....	.....	.....	315,937.07	.....
Kanawha.....	June 5, 1915	Fuel ship.....	977,796.75	216,352.38
Kangaroo.....	Nov. —, 1917	Scout patrol.....	19,000.00	2,869.63
Kanised.....	June —, 1917	do.....	15,300.00	1,537.87
Kansas.....	Apr. 18, 1907	Battleship.....	6,208,540.89	1,196,993.24
Kathrick II.....	Sept. —, 1917	Scout patrol.....	2,500.00	1,332.00
Katherine K.....	do.....	do.....	2,000.00	2,197.65
Katydid.....	June —, 1917	do.....	2,500.00	796.87
Kearsarge.....	Feb. 20, 1900	Battleship.....	4,429,890.69	1,527,383.21
Kemah.....	Jan. —, 1917	Scout patrol.....	85,432.00	144,567.97
Kennedy.....	.....	Destroyer.....	373,463.48	.....
Kennison.....	.....	do.....	258,753.67	.....
Kentucky.....	May 15, 1900	Battleship.....	4,418,094.99	1,607,499.04
Killarney.....	Sept. —, 1917	Scout patrol.....	3,500.00	112.56
Kilty.....	.....	Destroyer.....	302,356.10	.....
Kimberly.....	Apr. 26, 1918	do.....	1,326,737.34	949.36
Kingfisher.....	May 27, 1918	Mine sweeper.....	482,928.64	.....
Kwasind.....	Sept. —, 1917	Scout patrol.....	140,000.00	52,928.38
L-1.....	Apr. 11, 1916	Submarine.....	617,350.54	62,500.54
L-2.....	Sept. 29, 1916	do.....	605,201.10	52,687.51
L-3.....	Apr. 22, 1916	do.....	601,577.06	7,302.48
L-4.....	May 4, 1916	do.....	604,044.54	8,323.75
L-5.....	Feb. 17, 1918	do.....	549,296.59	2,707.56
L-6.....	Dec. 8, 1917	do.....	537,654.59	5,559.23
L-7.....	do.....	do.....	537,889.58	6,473.01
L-8.....	Aug. 30, 1917	do.....	553,871.26	1,106.90
L-9.....	Aug. 4, 1916	do.....	567,164.70	29,056.57
L-10.....	Aug. 2, 1916	do.....	689,150.21	22,812.32
L-11.....	Aug. 15, 1916	do.....	570,788.32	22,220.27
Lady Anne.....	June —, 1917	Scout patrol.....	12,000.00	2,086.28
Lamberton.....	.....	Destroyer.....	802,359.72	.....
Lamson.....	Feb. 10, 1910	do.....	604,801.09	222,201.97
Lansdale.....	.....	do.....	778,908.09	.....
Lapwing.....	June 12, 1918	Mine sweeper.....	427,561.36	.....
Lark.....	.....	Destroyer.....	323,442.87	.....
Leub.....	.....	do.....	315,937.07	.....
Lawrence.....	Apr. 14, 1903	do.....	298,659.77	285,774.17
Lea.....	.....	do.....	1,137,548.19	.....
Leary.....	.....	do.....	385,639.55	.....
Lebanon.....	Apr. 16, 1898	Special type.....	225,000.00	336,912.79
Legonia II.....	Nov. —, 1917	Scout patrol.....	90,948.05	2,197.66
Leonidas.....	May 21, 1898	Special type.....	147,941.60	463,126.44
Lexington.....	.....	Battle cruiser.....	679,344.39	.....
Little.....	.....	Destroyer.....	1,320,186.26	3,231.86
Lively (Active).....	.....	Tug.....	75,000.00	102,701.00
Lomado.....	June —, 1917	Scout patrol.....	15,058.50	221.26
Long Island.....	do.....	do.....	125,000.00	38,125.20
Louisiana.....	June 2, 1906	Battleship.....	6,065,531.19	1,487,138.20
Luca.....	.....	Destroyer.....	778,908.09	.....
Ludlow.....	.....	do.....	606,776.76	.....
Lydia III.....	Sept. —, 1917	Scout patrol.....	5,513.50	726.35
Lydonia.....	June —, 1917	do.....	170,000.00	66,429.05
Lykens.....	Jan. —, 1918	do.....	300,000.00	84,115.28
Lynx.....	June —, 1917	do.....	13,000.00	3,376.94
M-1.....	Feb. 15, 1918	Submarine.....	607,344.04	64,034.45
Macdonough.....	Sept. 5, 1903	Destroyer.....	297,023.98	236,006.11
Machias.....	July 20, 1893	Gunboat.....	492,502.32	550,006.89
Mackenzie.....	.....	Destroyer.....	585,664.80	.....

Table 27.—SHIPS ON THE NAVY LIST JUNE 30, 1918—Continued.

Vessel.	Date of first commission or purchase.	Type.	Cost (hull, machinery, and armor).	Repairs, changes, and additions to June 30, 1918.
Maddox.....		do	\$261,508.06	
Maggie.....	June —, 1917	Scout patrol.	6,000.00	
Magnet.....	do	do	30,000.00	\$8,071.98
Machgonne.....	do	do	55,000.00	8,045.99
Mahan.....		Destroyer	778,908.65	
Maine.....	Dec. 29, 1903	Battleship	4,567,484.52	1,519,712.06
Mallard.....		Mine sweeper	91,707.19	
Manatee.....	June —, 1917	Scout patrol.	3,000.00	786.17
Manito II.....	Sept. —, 1917	do	8,500.00	3,814.59
Manley.....	Oct. 15, 1917	Destroyer	916,705.82	493.39
Mansfield & Son.....	Nov. —, 1917	Scout patrol.	55,000.00	4,406.59
Marblehead.....	Apr. 2, 1894	Cruiser	1,061,428.30	789,103.64
Marie.....	June —, 1917	Scout patrol.	10,000.00	1,196.57
Marietta.....	Sept. 1, 1887	Gumboat	260,572.02	469,677.97
Marija.....	Sept. —, 1917	Scout patrol.	6,000.00	1,424.51
Massacott.....	—, —, 1898	Tug	30,000.00	67,474.37
Massachusetts.....	June 10, 1896	Battleship	5,401,844.97	2,003,474.11
Margaret.....	June —, 1917	Scout patrol.	90,000.00	13,977.74
Do.....	Nov. —, 1917	do	104,594.34	25,124.23
Marguerite.....	do	do	8,500.00	1,372.17
Margaret.....	June —, 1917	do	12,078.35	2,842.63
Mars.....	Aug. 26, 1909	Fuel ship	514,634.05	323,685.55
Mary Alice.....	Nov. —, 1918	Scout patrol.	42,500.00	274.17
Mary B. Garner.....	Sept. —, 1917	do	110,116.06	9,876.35
Maryland.....		Battleship	6,064,391.57	
Mary Pope.....	Sept. —, 1917	Scout patrol.	7,500.00	107.97
Mason.....		Destroyer	416,110.71	
Maury.....		do	778,908.09	
Maumee.....	Oct. 23, 1916	Fuel ship	1,249,072.81	226,997.49
May.....	Sept. —, 1917	Scout patrol.	180,000.00	14,924.43
Mayflower.....	July 25, 1905	Converted yacht.	430,000.00	680,169.25
Mayrant.....	July 12, 1911	Destroyer	673,943.53	394,300.63
McCall.....	Jan. 23, 1911	do	684,286.82	236,632.70
McCalla.....		do	315,937.07	
McCook.....		do	315,937.07	
McDermut.....		do	315,937.07	
McDougal.....	June 16, 1914	do	832,233.95	63,597.51
McKean.....		do	585,094.82	
McKee.....		do	585,709.54	
McKeever Bros.....	May —, 1917	Scout patrol.	89,923.87	11,673.39
McKeever, Edward J.....	do	do	89,900.86	6,603.99
McKeever, Stephen.....	do	do	89,900.00	6,294.60
McLanahan.....		Destroyer	315,937.07	
McNeal, G. H.....	Nov. —, 1917	Scout patrol.	90,000.00	14,843.31
McNeal, Kenneth L.....	do	do	117,500.00	
Melville.....	Dec. 3, 1915	Tender	1,332,794.69	53,129.87
Mercy.....	Nov. —, 1917	Hospital ship.	2,240,000.00	1,276,365.43
Meredith.....		Destroyer	261,508.06	
Messick, W. J.....	Nov. —, 1917	Scout patrol.	95,000.00	16,536.99
Me-Too.....	Sept. —, 1917	do	3,000.00	888.92
Michigan.....	Jan. 4, 1910	Battleship	5,668,619.87	1,028,593.57
Mikawa.....	Nov. —, 1917	Scout patrol.	12,500.00	285.80
Minneapolis.....	Dec. 13, 1894	Cruiser	3,403,707.07	987,615.61
Minnesota.....	Mar. 9, 1907	Battleship	6,149,874.47	1,422,786.47
Miss Anne II.....	Sept. —, 1917	Scout patrol.	3,000.00	361.74
Mississippi.....		Battleship	11,336,358.94	19,073.89
Missouri.....	Dec. 1, 1903	do	4,438,925.06	1,187,164.62
Mistletoe.....		Tug	50,000.00	50,026.83
Mohac.....	—, —, 1898	do	128,666.67	58,548.34
Mohave.....	—, —, 1914	do	44,000.00	130,787.55
Mohawk.....	—, —, 1898	do	44,000.00	130,787.55
Mohican.....	No record.	Unserviceable.	76,800.00	440,000.52
Monadnock.....	Feb. 20, 1896	Monitor	2,546,470.70	419,063.94
Monaghan.....	June 21, 1911	Destroyer	844,444.29	162,350.77
Monocacy.....	June 24, 1914	Gumboat	145,281.74	20,906.18
Monocacy (Genesee).....	Jan. —, 1918	Scout patrol.	315,000.00	
Montana.....	June 21, 1908	Cruiser	4,781,089.30	680,571.40
Montauk.....	Dec. —, 1917	Scout patrol.	184,091.25	63,227.83
Monterey.....	Feb. 13, 1893	Monitor	2,801,104.75	646,001.34
Montgomery.....		Destroyer	802,359.72	
Morris.....		do	315,937.07	
Do.....	May 11, 1896	Torpedo boat.	88,923.87	84,105.97
Mugford.....		Destroyer	585,094.75	
Murray.....		do	779,453.54	
Mustang.....	Sept. —, 1917	Scout patrol.	9,500.00	5,955.82
N-1.....	Sept. 26, 1917	Submarine.	472,463.09	4,311.92
N-2.....	do	do	467,592.93	4,107.65
N-3.....	do	do	468,866.78	4,215.19
N-4.....	June 15, 1918	do	390,694.25	886.68
N-5.....		do	389,578.76	306.31

Table 27.—SHIPS ON THE NAVY LIST JUNE 30, 1918—Continued.

Vessel.	Date of first commission or purchase.	Type.	Cost (hull, machinery, and armor).	Repairs, changes, and additions to June 30, 1918.
N-6.....	July 9, 1918	Submarine.....	\$390,308.14	\$457.32
N-7.....	June 15, 1918	do.....	389,777.65	.....
Nahant.....	Dec. —, 1917	Scout patrol.....	204,545.25	33,788.34
Najehda.....	June —, 1917	do.....	12,000.00	7.00
Nanshan.....	—, 1898	Fuel ship.....	155,728.00	351,135.43
Nantucket.....	.....	Gunboat.....	127,962.00	516,497.75
Narkeeta.....	Dec. 20, 1891	Tug.....	33,448.91	153,126.96
Nashville.....	Aug. 19, 1897	Gunboat.....	476,722.06	532,627.12
Natoma.....	Sept. —, 1917	Scout patrol.....	45,000.00	15,190.19
Natoya.....	June —, 1917	do.....	3,000.00	1,245.77
Naushon.....	Jan. —, 1918	do.....	30,000.00	65,226.95
Navajo.....	Nov. 21, 1907	Tug.....	115,000.00	69,432.61
Nebraska.....	July 1, 1907	Battleship.....	5,679,515.96	1,284,518.65
Needle.....	Sept. —, 1917	Scout patrol.....	55,000.00	14,207.92
Neptune.....	Sept. 20, 1911	Fuel ship.....	914,545.55	269,180.88
Nereus.....	Sept. 10, 1913	do.....	1,023,854.15	258,782.31
Nero.....	June 8, 1898	do.....	215,000.00	551,427.03
Nevada.....	Mar. 11, 1916	Battleship.....	9,924,000.41	505,494.36
New Hampshire.....	Mar. 19, 1908	do.....	5,976,236.99	1,153,726.21
New Jersey.....	Mar. 12, 1906	do.....	5,385,806.41	1,733,490.19
New Mexico.....	May 20, 1918	do.....	12,659,240.11	38.14
New Orleans.....	Mar. 18, 1898	Cruiser.....	1,430,091.59	878,414.64
Newport.....	Oct. 5, 1897	Gunboat.....	298,615.14	236,724.60
New York.....	Apr. 15, 1914	Battleship.....	9,692,581.97	360,777.94
Niagara.....	Nov. —, 1917	Scout patrol.....	175,000.00	154,797.68
Nicholson.....	Apr. 30, 1915	Destroyer.....	854,218.67	47,437.68
Nightingale.....	June —, 1917	Scout patrol.....	501,000.00	3,826.95
Nokomis.....	Jan. —, 1918	do.....	501,000.00	79,467.36
Nonpareil.....	Jan. —, 1918	do.....	65,000.00	18,497.45
North Carolina.....	May 7, 1908	Cruiser.....	4,779,380.27	677,205.33
North Dakota.....	Apr. 11, 1910	Battleship.....	7,246,687.04	1,447,852.03
Nyack.....	Aug. 31, 1911	Tug.....	25,553.51	149,829.94
O1.....	.....	Submarine.....	488,878.23	.....
O2.....	.....	do.....	479,935.12	38.05
O3.....	June 13, 1918	do.....	474,335.49	55,743.00
O4.....	May 28, 1918	do.....	484,301.83	46,008.00
O5.....	June 18, 1918	do.....	471,668.68	30,388.90
O6.....	June 11, 1918	do.....	492,682.67	10,265.00
O7.....	July 4, 1918	do.....	522,958.14	.....
O8.....	July 11, 1918	do.....	524,639.52	18.28
O9.....	July 27, 1918	do.....	523,091.83	6.24
O10.....	.....	do.....	541,637.13	.....
O11.....	Oct. 19, 1918	do.....	468,867.25	.....
O12.....	do.....	do.....	496,167.59	.....
O13.....	.....	do.....	468,584.10	.....
O14.....	Sept. 30, 1918	do.....	419,777.58	10.61
O15.....	Aug. 27, 1918	do.....	425,403.75	20.00
O16.....	Aug. 1, 1918	do.....	483,815.04	.....
O'Bannon.....	.....	Destroyer.....	485,694.80	.....
O'Brien.....	May 22, 1915	do.....	864,174.74	22,455.52
Ohio.....	Oct. 4, 1904	Battleship.....	4,475,375.45	1,267,112.60
Oklahoma.....	May 2, 1916	do.....	10,112,054.02	235,961.73
Old Colony.....	Nov. —, 1917	Scout patrol.....	1,150,000.00	6,137.60
Old Dominion.....	Dec. —, 1917	do.....	35,795.25	3,308.93
Olympia.....	Feb. 5, 1895	Cruiser.....	2,484,027.54	1,638,419.89
Olympic.....	June —, 1917	Scout patrol.....	11,060.10	1,828.36
Ono.....	Sept. —, 1917	do.....	3,000.00	45.78
Ontario.....	Aug. 24, 1912	Tug.....	210,137.97	71,819.76
Onward.....	Jan. —, 1918	Scout patrol.....	35,000.00	8,563.01
Ora.....	Sept. —, 1917	do.....	5,500.00	743.92
Orca.....	June —, 1917	do.....	11,000.00	6,200.01
Oregon.....	July 15, 1896	Battleship.....	5,914,021.90	1,813,356.93
Oriole.....	.....	Mine sweeper.....	289,336.34	.....
Orion.....	July 29, 1912	Fuel ship.....	974,823.72	175,063.15
Ortolan.....	.....	Mine sweeper.....	91,707.19	.....
Osborne, Chase S.....	Mar. —, 1918	Scout patrol.....	114,067.04	52,443.01
Osecola.....	1898	Tug.....	100,000.00	130,225.27
Osprey.....	.....	Mine sweeper.....	193,022.04	.....
Ozark.....	Oct. 28, 1902	Monitor.....	1,413,962.99	324,382.38
Faloma.....	June —, 1917	Scout patrol.....	17,000.00	12,833.88
Faducah.....	Sept. 2, 1906	Gunboat.....	392,698.97	215,734.57
Falmer.....	.....	Destroyer.....	261,508.06	.....
Falmer, J. A.....	Nov. —, 1917	Scout patrol.....	95,000.00	1,301.29
Falco.....	June 24, 1914	Gunboat.....	146,153.99	28,860.56
Fampanga.....	June 8, 1899	do.....	18,000.00	91,024.03
Panama.....	Sept. —, 1917	Scout patrol.....	20,000.00	1,905.35
Panther.....	Apr. 22, 1898	Tender to torpedo vessel.....	375,000.00	726,967.54
Parker.....	Dec. 30, 1913	Destroyer.....	760,527.86	90,404.16
Parthenia.....	June —, 1917	Scout patrol.....	24,000.00	11,934.45

Table 27.—SHIPS ON THE NAVY LIST JUNE 30, 1918—Continued.

Vessel.	Date of first commission or purchase.	Type.	Cost (hull, machinery, and armor).	Repairs, changes, and additions to June 30, 1918.
Partridge.....		Mine sweeper.....	\$238,534.25	
Fassac.....	July 1, 1911	Tug.....	30,000.00	\$124,544.84
Patapasco.....	1908	do.....	219,402.53	107,777.37
Patchogue.....	Nov. —, 1917	Scout patrol.....	35,000.00	2,943.59
Patrol No. 1.....	May —, 1917	do.....	4,000.00	537.45
Patrol No. 5.....	do.....	do.....	2,500.00	160.57
Patrol No. 6.....	June —, 1917	do.....	35,000.00	
Patrol No. 7.....	May —, 1917	do.....	8,000.00	1,139.88
Patrol No. 10 (Hull 788).....	Nov. —, 1917	do.....	21,500.00	671.06
Patterson.....	Oct. 11, 1911	Destroyer.....	633,597.79	171,416.17
Patuxent.....	1908	Tug.....	212,167.02	114,828.62
Paulding.....	Sept. 29, 1910	Destroyer.....	652,928.16	129,021.06
Paul Jones.....	July 19, 1902	do.....	301,279.01	357,745.09
Pawnee.....	1908	Tug.....	25,000.00	68,661.85
Pawtucket.....	1898	do.....	75,366.49	62,290.10
Peacock.....		Mine sweeper.....	91,707.18	
Pelican.....		do.....	193,022.03	
Pennacook.....	1898	Tug.....	84,465.68	75,251.18
Pennsylvania.....	June 12, 1916	Battleship.....	11,702,225.07	222,804.69
Penobscot.....	Dec. —, 1917	Scout patrol.....	138,068.25	38,129.47
Penguin.....		Mine sweeper.....	258,059.77	
Pentucket.....	1903	Tug.....	95,181.86	50,214.45
Peoria.....	1898	do.....		128,767.72
Percival.....			343,463.48	
Perkins.....	Nov. 18, 1910	Destroyer.....	603,918.59	205,309.06
Petrel.....	June —, 1917	Scout patrol.....	5,000.00	
Petrel.....	Dec. 10, 1889	Gunboat.....	309,981.65	457,454.98
Perry.....	Sept. 4, 1902	Destroyer.....	303,390.47	283,953.14
Philadelphia.....	1890	Unserviceable.....	1,561,392.47	816,632.17
Philip.....	1890	Destroyer.....	1,002,268.95	
Phillips, David K.....	Nov. —, 1917	Scout patrol.....	25,000.00	5,012.97
Pierce, Geo. F.....	Apr. —, 1918		52,500.00	8,832.14
Pigeon.....		Mine sweeper.....	22,503.51	
Piscataqua.....	1898	Tug.....	130,000.00	198,180.29
Pittsburgh.....	Mar. 9, 1905	Cruiser.....	4,857,086.24	1,350,636.47
Plover.....		Mine sweeper.....	114,607.97	
Pocomoke.....	June —, 1917	Scout patrol.....	50,000.00	8,325.24
Polly.....	Sept. —, 1917	do.....	8,969.80	330.07
Pompey.....	May 26, 1898	Tender to torpedo boat.....	111,929.50	256,108.31
Porter.....	Apr. 17, 1916	Destroyer.....	879,681.38	7,502.68
Potomac.....	1898	Tug.....	125,300.00	317,256.52
Prairie.....	Apr. 14, 1898	Transport.....		1,535,163.19
Prairie.....	June 21, 1902	Destroyer.....	302,882.71	336,099.45
Prairie.....	Dec. 24, 1909	do.....	662,864.46	168,357.16
Privateer.....	June —, 1917	Scout patrol.....	71,564.00	7,013.08
Prometheus.....	Jan. 15, 1910	Special type.....	1,605,622.20	494,639.80
Proteus.....	July 9, 1913	Fuel ship.....	998,652.53	300,727.85
Psyche V.....	June —, 1917	Scout patrol.....	14,000.00	2,564.99
Pueblo.....	Jan. 19, 1905	Cruiser.....	4,831,941.38	1,451,568.07
Quail.....		Mine sweeper.....	240,581.94	
Quicksilver.....	Aug. —, 1917	Scout patrol.....	10,000.00	64.00
Quiros.....	Mar. 14, 1900	Gunboat.....		113,791.49
R-1.....		Submarine.....	519,000.00	
R-2.....		do.....	501,700.00	
R-3.....		do.....	415,200.00	
R-4.....		do.....	415,200.00	
R-5.....		do.....	408,000.00	1,000.00
R-6.....		do.....	390,700.00	
R-7.....		do.....	363,300.00	
R-8.....		do.....	363,425.00	
R-9.....		do.....	380,850.00	
R-10.....		do.....	331,075.00	
R-11.....		do.....	331,075.00	
R-12.....		do.....	331,075.00	
R-13.....		do.....	313,667.00	
R-14.....		do.....	313,660.00	
R-15.....		do.....	644,725.00	
R-16.....		do.....	662,150.00	
R-17.....		do.....	644,725.00	
R-18.....		do.....	575,025.00	
R-19.....		do.....	575,025.00	
R-20.....		do.....	592,450.00	
R-21.....		do.....	413,168.77	
R-22.....		do.....	384,275.25	
R-23.....		do.....	378,160.83	
R-24.....		do.....	371,564.08	
R-25.....		do.....	348,330.96	
R-26.....		do.....	356,576.75	
R-27.....		do.....	348,579.75	

Table 27.—SHIPS ON THE NAVY LIST JUNE 30, 1918—Continued.

Vessel	Date of first commission or purchase.	Type.	Cost (hull, machinery, and armor).	Repairs, changes, and additions to June 30, 1918.
Radford	June —, 1917	Destroyer	\$802,359.71	
Raso	June 5, 1918	Scout patrol	10,500.00	\$1,254.18
Rail	Apr. 17, 1894	Mine sweeper	482,704.85	
Raleigh	Nov. —, 1917	Cruiser	1,367,934.32	1,411,492.32
Rambler	Nov. —, 1917	Scout patrol	99,390.28	29,488.38
Ramsay		Destroyer	802,359.71	
Ranger		Battle cruiser	645,186.06	
Rapido	1898	Tug	5,000.00	56,158.06
Rathburne	June 24, 1918	Destroyer	1,150,019.02	
Ravan		Mine sweeper	22,503.52	
Raymond	Jan. —, 1918	Scout patrol	8,006.00	104.08
Raymond J. Anderton	June —, 1917	do.	95,000.00	12,205.07
Redwing		Mine sweeper	22,503.51	
Reid	Dec. 3, 1909	Destroyer	637,600.94	216,669.64
Reina Mercedes	1898	Unserviceable.		392,514.67
Relief	Mar. —, 1918	Scout patrol	1.00	
Remilk	May —, 1917	do.	95,000.00	63,185.24
Reno		Destroyer	373,463.48	
Renshaw		do.	585,694.80	
Repose	No record.	Unserviceable.	450,000.00	206,171.88
Reposo II	Sept. —, 1917	Scout patrol	15,000.00	18,452.41
Reyner, J., & Son	Jan. —, 1918	do.	8,042.31	349.94
Rhode Island	Feb. 19, 1906	Battleship	5,360,125.52	1,753,151.06
Richmond	1858	Unserviceable.	43,380.00	94,641.16
Rietta	Sept. —, 1917	Scout patrol	12,000.00	2,124.03
Ringgold		Destroyer	573,872.94	
Rizal		do.	585,694.80	
Roamer	Nov. —, 1917	Scout patrol	15,000.00	148.04
Robin		Mine sweeper	237,882.79	
Robinson		Destroyer	597,516.70	
Rochester		Cruiser	3,897,840.32	2,876,385.26
Rockport	Dec. —, 1917	Scout patrol	21,458.29	9.65
Rocket	Apr. 2, 1898	Tug	29,000.00	57,461.67
Rodgers	Apr. 2, 1898	Torpedo boat	110,720.63	149,132.81
Rodgers		Destroyer	261,508.06	
Roe	Sept. 17, 1910	do.		191,841.94
Rondo	June —, 1917	Scout patrol	3,500.00	3,431.97
Roper		Destroyer	591,785.04	
Rowan		do.	800,886.90	4,468.05
Russ	Nov. —, 1917	Scout patrol	28,530.00	111.37
Rutoma	June —, 1917	do.	8,000.00	5,803.46
S-1		Submarine	594,500.00	
S-2		do.	488,348.31	
S-3		do.	414,598.46	
S-4		do.	137,397.68	
S-5		do.	137,330.74	
S-6		do.	137,330.75	
S-7		do.	137,517.49	
S-8		do.	69,442.04	
S-9		do.	69,618.10	
S-10		do.	69,618.10	
S-11		do.	69,640.94	
S-12		do.	68,128.39	
S-13		do.	69,501.61	
S-14		do.	446,070.17	
S-15		do.	446,090.34	
S-16		do.	446,070.21	
S-17		do.	446,070.19	
S-18		do.	165,048.18	
S-19		do.	165,048.18	
S-20		do.	165,048.18	
S-21		do.	165,048.18	
S-22		do.	165,048.18	
S-23		do.	165,048.18	
S-24		do.	165,048.20	
S-25		do.	165,048.20	
S-26		do.	165,048.18	
S-27		do.	165,048.18	
S-28		do.	165,048.20	
S-29		do.	165,048.19	
S-30		do.	155,801.51	
S-31		do.	155,801.51	
S-32		do.	155,801.51	
S-33		do.	155,801.52	
S-34		do.	155,801.53	
S-35		do.	155,801.51	
S-36		do.	155,801.52	
S-37		do.	155,801.50	
S-38		do.	155,801.51	
S-39		do.	156,801.50	

Table 27.—SHIPS ON THE NAVY LIST JUNE 30, 1918—Continued.

Vessel.	Date of first commission or purchase.	Type.	Cost (hull, machinery, and armory).	Repairs, changes, and additions to June 30, 1918.
S-40.....		Submarine.....	\$155,801.50	.....
S-41.....		do.....	155,801.49	.....
Sacramento.....	Apr. 26, 1914	Gunboat.....	472,166.42	\$52,680.86
Sadie Ross.....	June —, 1917	Scout patrol.....	20,000.00	13,592.53
Sagamore.....	No record.	Tug.....	361,339.01	11,409.48
Salem.....	Aug. 1, 1906	Cruiser.....	1,619,325.00	1,056,738.62
Samar.....	May 26, 1899	Gunboat.....	18,000.00	92,133.64
Samoset.....	Mar. 20, 1897	Tug.....	73,505.28	61,332.55
Sampson.....		Destroyer.....	807,136.24	18,661.12
Sanderling.....		Mine sweeper.....	134,420.00	.....
Sandoval.....	Sept. 2, 1898	Gunboat.....	17,000.00	43,121.33
Sandpiper.....		Mine sweeper.....	1,806.18	.....
San Francisco.....	Aug. 21, 1911	Special type.....	1,738,257.82	1,902,623.80
San Joaquin.....	Dec. —, 1917	Scout patrol.....	16,363.50	.....
Saratoga.....	Aug. 1, 1893	Cruiser.....	32,861.63	.....
Sargent, C. F.....	Dec. —, 1917	Scout patrol.....	20,454.75	3,929.38
Satterlee.....		Destroyer.....	416,110.71	.....
Satilla.....	June —, 1917	Scout patrol.....	18,000.00	13,757.10
Saturn.....	Apr. 11, 1898	Fuel ship.....	290,000.00	537,263.60
Schley.....		Destroyer.....	585,694.76	.....
Scorpion.....	Apr. 11, 1898	Converted yacht.....	300,000.00	334,172.30
Seater.....	June —, 1917	Scout patrol.....	15,000.00	531.00
Scout Cruiser No. 4.....		Scout cruiser.....	945,280.55	.....
Scout Cruiser No. 5.....		do.....	734,043.51	.....
Scout Cruiser No. 6.....		do.....	591,898.97	.....
Scout Cruiser No. 7.....		do.....	54,566.60	.....
Scout Cruiser No. 8.....		do.....	54,566.60	.....
Scout Cruiser No. 9.....		do.....	194,825.98	.....
Scout Cruiser No. 10.....		do.....	194,825.95	.....
Scout Patrol No. 24.....	Nov. —, 1917	Scout patrol.....	1,500.00	.....
Scout Patrol No. 103.....	Sept. —, 1917	do.....	15,000.00	435.45
Scout Patrol No. 182.....	June —, 1917	do.....	2,400.00	6,856.77
Scout Patrol No. 237.....	Sept. —, 1917	do.....	80,034.35	34,183.08
Scout Patrol No. 263.....	do.....	do.....	6,500.00	307.12
Scout Patrol No. 269.....	do.....	do.....	7,500.00	179.37
Scout Patrol No. 274.....	Sept. —, 1917	Scout patrol.....	21,000.00	\$91.43
Scout Patrol No. 298.....	do.....	do.....	15,000.00	2,551.16
Scout Patrol No. 411.....	Nov. —, 1917	do.....	25,500.00	2,859.79
Scout Patrol No. 438.....	Sept. —, 1917	do.....	10,000.00	42,513.04
Scout Patrol No. 460.....	Nov. —, 1917	do.....	33,000.00	1,659.31
Scout Patrol No. 467.....	Sept. —, 1917	do.....	125,000.00	7,189.67
Scout Patrol No. 471.....	Nov. —, 1917	do.....	3,500.00	807.54
Scout Patrol No. 537.....	June —, 1917	do.....	5,500.00	.....
Scout Patrol No. 582.....	Aug. —, 1917	do.....	65,000.00	6,098.38
Scout Patrol No. 699.....	Sept. —, 1917	do.....	21,000.00	7,150.70
Scout Patrol No. 706.....	do.....	do.....	1.00	1,652.33
Scout Patrol No. 729.....	Nov. —, 1917	do.....	18,500.00	4,906.20
Scout Patrol No. 730.....	Sept. —, 1917	do.....	17,000.00	1,719.89
Scout Patrol No. 747.....	Nov. —, 1917	do.....	3,500.00	2,669.94
Scout Patrol No. 1240.....	Dec. —, 1917	do.....	51,136.50	2,741.34
Scout Patrol No. 1919.....	Apr. —, 1918	do.....	5,000.00	.....
Scout Patrol No. 2221.....	do.....	do.....	30,130.20	1,762.84
Sea Gull.....		Mine sweeper.....	193,022.03	.....
Sea Hawk.....	Nov. —, 1917	Scout patrol.....	19,000.00	.....
Sea Otter.....	June —, 1917	do.....	4,500.00	217.46
Seattle.....	1898	Cruiser.....	5,201,905.64	912,020.50
Sabago.....		Tug.....	28,000.00	58,278.82
Semmes.....		Destroyer.....	416,110.71	.....
Sentinel.....	June —, 1917	Scout patrol.....	21,880.87	1,329.26
Sevan.....	Nov. —, 1917	do.....	1,500.00	451.20
Shad.....	June —, 1917	do.....	4,000.00	4,035.30
Shada.....	do.....	do.....	1.00	11,487.95
Shadayside.....	Mar. —, 1918	do.....	8,500.00	.....
Shadow III.....	Sept. —, 1917	do.....	15,000.00	91.45
Shark.....	June —, 1917	Scout patrol.....	20,000.00	16,182.57
Shaw.....		Destroyer.....	692,153.09	3,706.60
Shawmut.....	Nov. —, 1917	Scout patrol.....	1,350,000.00	911,922.66
Shirln.....	Mar. —, 1917	do.....	17,000.00	66.22
Shrewsbury.....	Sept. —, 1917	do.....	25,000.00	9,704.40
Shrike.....		Mine sweeper.....	22,503.52	.....
Shubrick.....	Sept. 21, 1905	Torpedo boat.....	145,299.20	135,535.33
Shubrick.....		Destroyer.....	315,937.07	.....
Shur.....	Sept. —, 1917	Scout patrol.....	12,000.00	9,343.84
Sialia.....	June —, 1917	do.....	220,000.00	.....
Sigourney.....	May 15, 1918	Destroyer.....	1,317,706.24	1,193.30
Simplicity.....	Sept. —, 1917	Scout patrol.....	5,250.00	1,995.37
Sister.....	Aug. —, 1917	do.....	5,000.00	.....
Siwash.....	Sept. —, 1917	do.....	31,000.00	998.10
Smith.....	Nov. 26, 1909	Destroyer.....	608,437.32	188,256.27
Solace.....	Apr. 14, 1898	Hospital ship.....	600,000.00	1,180,668.12

Table 27.—SHIPS ON THE NAVY LIST JUNE 30, 1918—Continued.

Vessel.	Date of first commission or purchase.	Type.	Cost (hull, machinery, and armor).	Repairs, changes, and additions to June 30, 1918.
Solitaire.....	Dec. —, 1917	Scout patrol.....	\$22,500.00	.....
Somers.....	Mar. 28, 1898	Torpedo boat.....	72,997.50	\$61,630.62
Somers.....	.....	Destroyer.....	373,443.48	.....
Sonoma.....	Aug. 24, 1912	Tug.....	198,778.55	97,645.17
Sotoyomo.....	1903	do.....	71,143.05	75,570.10
Southard.....	.....	Destroyer.....	276,371.21	.....
South Carolina.....	Mar. 1, 1910	Battleship.....	5,669,186.53	1,088,497.37
South Dakota.....	Jan. 27, 1908	Cruiser.....	4,735,160.58	762,114.63
Southery.....	1898	Unserviceable.....	100,000.00	258,678.68
Sproston.....	.....	Destroyer.....	535,694.80	.....
Standish.....	.....	Tug.....	48,300.00	191,750.35
Stansbury.....	.....	Destroyer.....	589,617.56	.....
Sterett.....	Dec. 15, 1910	do.....	618,325.71	147,882.46
Sterling.....	Apr. 16, 1898	Fuel ship.....	190,000.00	386,825.91
Stevens.....	.....	Destroyer.....	1,316,412.03	1,229.69
Stewart.....	Dec. 17, 1902	do.....	299,877.30	323,761.30
Stinger.....	Jan. —, 1918	Scout patrol.....	40,000.00	191.22
St. Louis.....	Aug. 18, 1903	Cruiser.....	3,173,782.73	730,153.58
Stockton.....	.....	Destroyer.....	894,080.73	10,639.16
Stoddart.....	.....	do.....	373,463.48	.....
Stringling.....	.....	do.....	779,392.71	.....
Stringham.....	.....	do.....	1,296,325.38	320.52
St. Sebastian.....	Sept. —, 1917	Scout patrol.....	1,650.00	1,483.92
Sturdy.....	do.....	do.....	15,010,666.39	5,044.85
Submarine chasers.....	.....	.....	65,161.06	290,602.46
Sullivan, Lawrence M.....	Apr. —, 1917	Scout patrol.....	325,000.00	14,223.51
Supply.....	1898	Supply ship.....	40,000.00	844,844.94
Sussex.....	Sept. —, 1917	Scout patrol.....	40,000.00	3,781.71
Swallow.....	.....	Mine sweeper.....	237,882.78	.....
Swan.....	.....	Mine sweeper.....	212,148.78	.....
Swansford.....	June —, 1918	Scout patrol.....	13,000.00	.....
Swasey.....	.....	Destroyer.....	315,937.07	.....
Sylph.....	Aug. 18, 1898	Converted yacht.....	50,000.00	126,453.75
Sylvia.....	June 29, 1898	do.....	25,000.00	61,221.53
Tacoma.....	Jan. 30, 1904	Cruiser.....	1,113,395.45	495,642.25
Talbot.....	.....	Destroyer.....	1,147,941.16	.....
Talbot, Fred J.....	.....	do.....	590,741.67	.....
Tallahassee.....	June 18, 1903	Monitor.....	1,307,130.91	319,984.27
Tanager.....	June 29, 1918	Mine sweeper.....	240,481.90	.....
Tarbell.....	.....	Destroyer.....	530,741.03	.....
Tattnall.....	.....	do.....	368,535.83	.....
Taylor.....	.....	do.....	1,020,747.03	223.63
Teal.....	.....	Mine sweeper.....	299,651.23	.....
Tecumseh.....	1898	Tug.....	45,000.00	129,634.04
Tennessee.....	.....	Battleship.....	6,680,728.71	.....
Tern.....	.....	Mine sweeper.....	193,022.01	.....
Terry.....	Oct. 18, 1910	Destroyer.....	639,505.55	294,450.91
Texas.....	Mar. 12, 1914	Battleship.....	9,373,440.38	448,641.11
Thatcher.....	.....	Destroyer.....	261,508.06	.....
Thetis.....	Sept. —, 1917	Scout patrol.....	15,062.00	11,882.94
Thomas.....	.....	Destroyer.....	416,153.31	.....
Thompson.....	.....	do.....	373,463.48	.....
Thornton.....	June 9, 1902	Torpedo boat.....	144,427.90	124,975.57
Thornton.....	.....	Destroyer.....	315,937.07	.....
Thrush.....	.....	Mine sweeper.....	106,438.98	.....
Tillamook.....	Dec. 2, 1914	Tug.....	125,666.66	32,848.15
Tillman.....	.....	Destroyer.....	106,070.29	.....
Tingey.....	Jan. 7, 1904	Torpedo boat.....	196,707.65	76,436.63
Tingey.....	.....	Destroyer.....	315,937.07	.....
Tonopah.....	Mar. 5, 1903	Monitor.....	1,396,488.61	467,802.36
Topeka.....	1898	Unserviceable.....	170,327.50	577,127.99
Traffic.....	1898	Tug.....	28,400.00	94,214.04
Tramp.....	Sept. —, 1917	Scout patrol.....	8,500.00	415.07
Transfer.....	1905	Tug.....	133,053.00	27,041.00
Traveler.....	June —, 1917	Scout patrol.....	6,500.00	542.55
Tripe.....	Mar. 23, 1911	Destroyer.....	654,597.62	110,630.86
Triton.....	No record.	Tug.....	35,000.00	108,982.94
Truxton.....	Sept. 11, 1902	Destroyer.....	304,537.10	270,027.84
Tucker.....	Apr. 11, 1916	do.....	874,211.34	7,566.92
Tug No. 21.....	.....	Tug.....	55,000.00	.....
Tug No. 22.....	.....	do.....	55,000.00	.....
Tug No. 23.....	.....	do.....	55,000.00	.....
Tug No. 24.....	.....	do.....	55,000.00	.....
Tug No. 25.....	.....	do.....	55,000.00	.....
Tug No. 26.....	.....	do.....	55,000.00	.....
Tug No. 27.....	.....	do.....	890.89	.....
Tug No. 28.....	.....	do.....	890.90	.....
Tug No. 29.....	.....	do.....	890.90	.....
Tug No. 30.....	.....	do.....	890.90	.....
Tug No. 31.....	.....	do.....	890.90	.....

Table 27.—SHIPS ON THE NAVY LIST JUNE 30, 1918—Continued.

Vessel.	Date of first commission or purchase.	Type.	Cost (hull, machinery, and armor).	Repairs, changes, and additions to June 30, 1918.
Tug No. 32		Tug	\$890.90	
Tug No. 33		do	890.90	
Tug No. 34		do	20,000.00	
Tug No. 35		do	20,000.00	
Tug No. 36		do	20,000.00	
Tug No. 37		do	20,000.00	
Tug No. 38		do	20,000.00	
Tug No. 39		do	20,000.00	
Tug No. 40		do	20,000.00	
Tug No. 41		do	20,000.00	
Tug No. 42		do	20,000.00	
Tug No. 43		do	20,000.00	
Tug No. 44		do	20,000.00	
Tug No. 45		do	20,000.00	
Tug No. 46		do	43.70	
Tug No. 47		do	29.68	
Tug No. 48		do	3,868.30	
Tug No. 49		do	420.04	
Tug No. 50		do	393.38	
Turkey		Mine sweeper	241,737.07	
Twiggs		Destroyer	368,535.81	
Unadilla	1895	Tug	101,145.08	\$118,669.04
Uncas	1898	do	75,000.00	175,017.81
Upshur		Destroyer	590,741.04	
Utah	Aug. 31, 1911	Battleship	7,002,295.02	775,389.13
Valeda	Sept. —, 1917	Scout patrol	5,000.00	1,743.29
Vega	Jan. —, 1918	do	144,000.00	95,623.01
Verdi	Sept. —, 1917	do	1.00	2,789.13
Vergana	do	do	23,000.00	12,076.11
Vermont	Mar. 4, 1907	Battleship	6,166,267.28	1,616,852.95
Vestal	Aug. 4, 1909	Special type	1,625,417.26	509,616.58
Vester	Sept. —, 1917	Scout patrol	60,000.00	9,996.05
Vesuvius	June 7, 1890	Special type	360,007.94	369,730.87
Vicksburg	Oct. 23, 1897	Gunboat	286,050.92	371,023.05
Victorine	Sept. —, 1917	Scout patrol	240,000.00	34,128.94
Vigilant	1898	Tug	60,000.00	124,606.48
Villalobos	Mar. 5, 1900	Gunboat		58,975.91
Vireo		Mine sweeper	1,806.18	
Virginia	May 7, 1906	Battleship	5,491,036.12	1,689,165.17
Vivaco	Sept. —, 1917	Scout patrol	18,000.00	9,691.17
Vixen	Apr. 11, 1898	Converted yacht	150,000.00	265,255.95
Voyager	Nov. —, 1917	Scout patrol	8,000.00	104.80
Vulcan	Oct. 2, 1909	Fuel ship	515,136.49	243,590.19
Waban	1898	Tug	20,000.00	80,976.05
Wachusett	June —, 1917	Scout patrol	18,000.00	8,438.40
Wacondah	Sept. —, 1917	do	25,000.00	12,048.19
Wadena	Nov. —, 1917	do	20,000.00	80,720.86
Wadsworth	June 23, 1915	Destroyer	896,726.72	12,272.37
Wahneta	1891	Tug	33,176.52	149,257.47
Wainwright	May 12, 1916	Destroyer	841,341.19	26,172.28
Walke	July 22, 1911	do	636,916.72	240,756.16
Walker		do	261,508.06	
Walker, J. B.	Dec. —, 1917	Scout patrol	28,635.75	8,200.28
Wandana	Sept. —, 1917	do	10,500.00	6,681.15
Wanderer	May —, 1917	do	80,500.00	56,992.60
Wando		Tug	131,187.43	15,042.85
Warbler		Mine sweeper	1,806.19	
War Bug	Nov. —, 1917	Scout patrol	19,000.00	2,856.61
Ward		Destroyer	328,775.63	
Ward, Aaron		do	340,063.77	
Warrington	Mar. 20, 1911	do	664,011.39	192,767.63
Washington	Dec. —, 1917	Scout patrol	24,545.25	2,038.06
Washington	Aug. 7, 1906	Cruiser	3,219,573.05	
Wasp	Apr. 11, 1898	Converted yacht	95,009.00	178,598.90
Waters		Destroyer	1,147,957.51	
Weehawken	Feb. —, 1918	Scout patrol	85,080.70	4,221.33
Weemoota	June —, 1917	do	16,500.00	3,410.48
Weepoose	Sept. —, 1917	do	7,548.10	7,450.10
Wellies		Destroyer	315,837.07	
Wenonah	Nov. —, 1917	Scout patrol	145,000.00	40,374.61
West Point	Dec. —, 1917	do	18,408.75	4,339.98
West Virginia	Feb. 23, 1918	Battleship	4,127,563.34	
Wheeling	Aug. 10, 1897	Gunboat	256,189.19	263,458.20
Whipple	Oct. 21, 1902	Destroyer	303,754.39	263,083.24
Whippoorwill		Mine sweeper	245,469.83	
Whirlwind	June —, 1917	Scout patrol	26,000.00	6,117.72
Whistler	do	do	12,000.00	4,477.30
Wickes		Destroyer	1,001,759.50	
Wicomico	July 1, 1911	Tug	82,500.00	186,462.02

Table 27.—SHIPS ON THE NAVY LIST JUNE 30, 1918—Continued.

Vessel.	Date of first commission or purchase.	Type.	Cost (hull, machinery, and armor).	Repairs, changes, and additions to June 30, 1918.
Widgeon.....		Mine sweeper.....	\$308,965.17	.....
Wild Cat.....	Sept. —, 1917	Scout patrol.....	11,086.00	\$13.20
Wild Goose.....	June —, 1917	do.....	7,500.00	4,000.49
Wild Goose II.....	do.....	do.....	1,525.00	.....
Wilkes.....	Nov. 9, 1916	Destroyer.....	792,883.92	11,569.31
Willat.....		Mine sweeper.....	1,806.18	.....
Williams.....		Destroyer.....	595,691.90	.....
Willmette.....	Mar. —, 1918	Scout patrol.....	175,000.00	8,775.08
Wilmington.....	May 13, 1897	Gunboat.....	424,868.65	448,243.98
Winchester.....	May —, 1917	Scout patrol.....	300,000.00	17,015.97
Winslow.....	Aug. 7, 1915	Destroyer.....	856,291.06	51,837.40
Wisconsin.....	Feb. 4, 1901	Battleship.....	4,162,617.53	1,338,000.92
Wolverine.....		Unserviceable.....	47,795.00	28,878.08
Wompatuck.....	1898	Tug.....	65,000.00	140,093.16
Woodbury.....		Destroyer.....	373,463.48	.....
Woodcock.....		Mine sweeper.....	241,543.53	.....
Woolsey.....		Destroyer.....	1,002,711.60	.....
Worden.....	Dec. 31, 1902	do.....	303,300.40	262,586.69
Wyoming.....	Sept. 25, 1912	Battleship.....	9,252,338.06	594,440.03
Yacona.....	Feb. —, 1918	Scout patrol.....	197,065.00	122,220.47
Yancton.....	May 16, 1898	Converted yacht.....	125,000.00	321,271.02
Yantic.....	1884	Unserviceable.....	82,030.00	54,450.21
Yarnall.....		Destroyer.....	590,741.04	.....
Yo Ho.....	June —, 1917	Scout patrol.....	4,000.00	16.00
Yorktown.....	Apr. 23, 1889	Gunboat.....	548,906.61	892,050.34
Zanda.....	Nov. —, 1917	Scout patrol.....	1.00	1,545.61
Zigzag.....	Sept. —, 1917	do.....	5,500.00	583.99
Zumbrota.....	Nov. —, 1917	do.....	14,000.00	1,165.30
Aircraft.....			21,219,289.29	930,112.12
Miscellaneous small boats.....		Scout patrol.....	52,997.25	.....
Total.....			753,726,141.57	152,586,756.53

Table 28.—TIME REQUIRED TO BUILD BATTLESHIPS IN ENGLAND.¹

[This table is the same as the one in the 1916 Yearbook, the office of Naval Intelligence having reported that it is not possible to complete it to date, as data is not obtainable on account of the war.]

Names.	Author-ized.	Date of order or contract.	Keel laid.	Date of first commission.	Time from order of contract to first commission.	Time from laying of keel to first commission.
					Yrs. mos.	Yrs. mos.
Implacable.....	1897		July, 1898	Sept. 10, 1901		3 2
Irresistible.....	1897		Apr., 1898	Feb. 4, 1902		3 10
Bulwark.....	1898		Mar., 1899	Mar. 18, 1902		3 0
London.....	1898		Dec., 1898	June 7, 1902		3 6
Venerable.....	1898		Jan., 1899	Nov. 12, 1902		3 10
Russell.....	1898		Mar., 1899	Feb. 19, 1903		3 11
Exmouth.....	1898		Aug., 1899	June 2, 1903		3 10
Montagu.....	1898		Nov., 1899	July 28, 1903		3 8
Duncan.....	1898		July, 1899	Oct. 8, 1903		4 3
Albemarle.....	1899		Jan., 1900	Nov. 12, 1903		3 10
Cornwallis.....	1899		July, 1899	Feb. 9, 1904		4 7
Queen.....	1900		Mar., 1901	Apr. 7, 1904		3 1
Prince of Wales.....	1900		do.	May 18, 1904		3 2
Swiftsure.....	1903		Mar., 1902	June 21, 1904		2 3
Triumph.....	1903		do.	do.		2 3
King Edward VII.....	1901		do.	Feb. 7, 1905		2 11
Commonwealth.....	1901		June, 1902	May 9, 1905		2 11
New Zealand.....	1902		Feb., 1903	July 11, 1905		2 5
Dominion.....	1901		May, 1902	Aug. 15, 1905		3 3
Hindustan.....	1902		Oct., 1902	Aug. 22, 1906		2 10
Britannia.....	1903		Feb., 1904	Oct. 2, 1906		2 8
Africa.....	1903		Jan., 1904	Nov. 6, 1906		2 10
Dreadnaught.....	1905	Jan. —, 1905	Oct., 1905	Dec. 11, 1906	1 11	1 2
Hibernia.....	1903		Jan., 1904	Jan. 2, 1907		3 0
Agamemnon.....	1904		May, 1905	June 25, 1908		3 1
Lord Nelson.....	1904		do.	Dec. 1, 1908		3 7
Bellerophon.....	1906	Sept. 12, 1906	Dec., 1906	Feb. 20, 1909	2 5	2 2
Temeraire.....	1906	Sept. 23, 1906	Jan., 1907	May 15, 1909	2 8	2 4
Superb.....	1906	Dec. 26, 1906	Feb., 1907	May 29, 1909	2 5	2 3
St. Vincent.....	1907	Sept. 30, 1907	Dec., 1907	May 3, 1910	2 7	2 4
Collingwood.....	1907	Oct. 1, 1907	Feb., 1908	Apr. 19, 1910	2 6	2 2
Vanguard.....	1907	Dec. 28, 1907	Apr., 1908	Mar. 1, 1910	2 3	1 11
Neptune.....	1908		Jan., 1909	Jan. 11, 1911		2 0
Colossus.....	1909	May —, 1909	July, 1909	July —, 1911	2 2	2 0
Hercules.....	1909	do.	Aug., 1909	do.	2 2	1 11
Conqueror.....	1909		Apr., 1910	Mar. —, 1913		2 1
Thunderer.....	1909		do.	June 15, 1912		2 2
Monarch.....	1909		do.	Apr. 27, 1912		2 1
King George V.....	1910		Jan., 1911	Nov. 16, 1912		1 10
Centurion.....			do.	May 22, 1913		2 4
Ajax.....			Feb., 1911	Mar. 1, 1913		2 0
Audacious.....			Mar., 1911	Oct. 21, 1913		2 2
Iron Duke.....			Jan., 1912	Mar. 10, 1914		2 2

¹ Gun mountings ordered about January, 1905. First order for other material July 11, 1905. The ship was not completed when commissioned, as there was expended after that date about \$1,290,000 on her for new construction, changes, and alterations, of which about \$290,000 was spent during the year from Mar. 31, 1907, to Apr. 1, 1908.

Table 29.—RELATIVE STANDING OF THE NAVIES OF THE WORLD JAN. 1, 1919.

Type of vessel.	1. Great Britain.		2. United States.		3. Germany.		4. Japan.		5. France.		6. Russia.		7. Italy.		8. Austria-Hungary.	
	No.	Tons.	No.	Tons.	No.	Tons.	No.	Tons.	No.	Tons.	No.	Tons.	No.	Tons.	No.	Tons.
Battleships.....	52	1,080,000	30	611,660	25	370,737	12	258,847	18	336,716	11	200,662	9	158,060	11	136,501
Battle cruisers.....	9	206,300	8	111,900	2	18,104	7	152,950	16	169,804	11	89,750	5	45,696	1	7,183
Cruisers.....	23	286,600	12	53,280	21	74,264	8	32,045	1	2,421	1	3,300	6	19,538	6	16,401
Light cruisers.....	73	301,210	12	53,280	21	74,264	8	32,045	1	2,421	1	3,300	6	19,538	6	16,401
Coast-defense vessels.....	16	100,660	4	12,900	.....	.....	2	26,190	.....	.....	.....	.....	.....	.....	.....	.....
Torpedo-boat destroyers.....	351	350,470	106	109,857	98	60,121	62	37,055	66	37,515	89	63,278	37	23,508	21	11,811
Torpedo boats.....	31	8,685	.....	.....	82	14,634	19	2,249	79	7,660	.....	.....	96	15,155	62	12,569
Submarines.....	{ 144	102,007	{ 84	32,176	{ 3	23,809	{ 16	3,414	{ 59	26,822	{ 44	19,532	{ 3	21,460	{ 13	3,974
	{ 3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	702	2,415,962	244	931,803	276	561,669	136	599,801	239	590,668	156	376,522	232	285,065	120	192,439

BUILDING AND PROJECTED.	
Battleships.....	1 13 486,200
Battle cruisers.....	4 164,800
Cruisers.....	10 71,000
Light cruisers.....	23 125,235
Torpedo-boat destroyers.....	{ 100 117,565
Torpedo boats.....	{ 4 8,685
Submarines.....	{ 73 68,196
	{ 6 83
	210 475,796

Battleships.....	1 32,000	5 124,150	1 27,300	4 123,000	4 98,400
Battle cruisers.....	3 75,600	4 116,000	4 130,000	.....	.....
Cruisers.....	3 27,000	.....	.....	.....	.....
Light cruisers.....	3 71,000	.....	.....	.....	.....
Torpedo-boat destroyers.....	3 286,779	1 1,300	8 57,600	.....	.....
Torpedo boats.....	7 1,400	1 890	17 21,800	10 8,740	1 800
Submarines.....	83 68,664	9 2,700	1 680	4 640	3 1,500
	214 1,124,473	19 247,118	31 237,350	23 135,416	21 112,869

1 Eight vessels not laid down. 2 Vessels not laid down. 3 Nine vessels not laid.

NOTES.

1. Battleships, battle cruisers, cruisers, light cruisers, and coast-defense vessels over 20 years from date of launching not included. Torpedo-boat destroyers, torpedo boats, and submarines over 15 years old from date of launching not included.

2. German vessels surrendered to the Allies up to the date of this compilation not included.

3. The data for Germany and Austria-Hungary is compiled from the latest information on file in this office. On account of war conditions it is impossible to furnish accurate information on these two countries.

4. On account of the existing conditions in Russia it is impossible to tell how reliable this data is, regarding the Navy of Russia.

Table 30.—LIST OF BATTLESHIPS AND ARMORED CRUISERS—GREAT BRITAIN.

(Vessels over 20 years old from date of launching not included.)

[For vessels lost between July 1, 1914, and Nov. 14, 1918, see Table 41.]

BATTLESHIPS.

Completed in—	Name.	Displacement.	Main armament.	Speed.
		<i>Tons.</i>		<i>Knots.</i>
1900.....	Glory.....	12,350	Four 12-inch; twelve 6-inch.....	18.25
1902.....	Vengeance.....	12,350		18.25
1901.....	Implacable.....	15,000		18.0
1902.....	London.....	15,000		18.0
1902.....	Venerable.....	15,000		18.0
1904.....	Prince of Wales.....	15,000		18.0
1904.....	Queen.....	15,000		18.0
1903.....	Duncan.....	14,000		18.9
1903.....	Exmouth.....	14,000		19.0
1903.....	Albemarle.....	14,000		18.6
1904.....	Swiftsure.....	11,800	Four 10-inch; fourteen 7.5-inch.....	20.0
1905.....	Commonwealth.....	16,350		19.0
1905.....	Dominion.....	16,350		19.3
1905.....	Hindustan.....	16,350		19.0
1905.....	Zealandia.....	16,350	Four 12-inch; four 9.2-inch; ten 6-inch.	18.6
1906.....	Africa.....	16,350		18.95
1906.....	Hibernia.....	16,350	Four 12-inch; ten 9.2-inch.....	18.1
1906.....	Lord Nelson.....	16,500		18.9
1908.....	Agamemnon.....	16,500		18.7
DREADNAUGHT TYPE.				
1906.....	Dreadnaught.....	17,900	Ten 12-inch.....	21.25
1909.....	Superb.....	18,600		21.6
1909.....	Temeraire.....	18,600		22.0
1909.....	Bellerophon.....	18,600		21.8
1910.....	St. Vincent.....	19,250		21.9
1910.....	Collingwood.....	19,250		21.5
1911.....	Neptune.....	19,900		21.8
1911.....	Colossus.....	20,000		21.5
1911.....	Hercules.....	20,000		21.5
1912.....	Orion.....	22,500		22.0
1912.....	Conqueror.....	22,500	Ten 13.5-inch.....	23.1
1912.....	Monarch.....	22,500		21.8
1912.....	Thunderer.....	22,500		20.8
1912.....	King George V.....	23,000		21.0
1913.....	Centurion.....	23,000		21.0
1913.....	Ajax.....	23,000		21.0
1914.....	Iron Duke.....	25,000		22.0
1914.....	Marlborough.....	25,000		22.0
1914.....	Emperor of India.....	25,000		22.0
1914.....	Benbow.....	25,000		22.0
1914.....	Erin.....	23,000	Ten 13.5-inch; sixteen 6-inch.....	21.0
1914.....	Agincourt.....	27,500		Fourteen 12-inch; twenty 6-inch.....	22.0
1915.....	Canada.....	28,000	Ten 14-inch; twelve 6-inch.....	22.75
1915.....	Queen Elizabeth.....	27,500		25.0
1915.....	Warspite.....	27,500	25.0	
1915.....	Barham.....	27,500	25.0	
1916.....	Valiant.....	27,500	25.0	
1916.....	Malaya ¹	27,500	25.0	
1916.....	Royal Sovereign.....	25,750	Eight 15-inch.....	22.0
1916.....	Royal Oak.....	25,750		22.0
1916.....	Resolution.....	25,750		22.0
1916.....	Revenge.....	25,750		22.0
1917.....	Ramilles.....	25,750		22.0
Grand total, 52 battleships.....		1,061,650		

ARMORED CRUISERS.

1902.....	Bacchante.....	12,000	Two 9.2-inch; twelve 6-inch.....	21.75
1904.....	Euryalus.....	12,000		21.63
1903.....	King Alfred.....	14,100	Two 9.2-inch; sixteen 6-inch.....	23.46
1903.....	Leviathan.....	14,100		23.2
1903.....	Kent.....	9,800	Fourteen 6-inch.....	23.0
1903.....	Essex.....	9,800		22.8
1903.....	Berwick.....	9,800		23.6
1903.....	Donegal.....	9,800		23.5
1904.....	Cumberland.....	9,800		23.6
1904.....	Lancaster.....	9,800		24.0
1904.....	Suffolk.....	9,800		24.7
1904.....	Cornwall.....	9,800		23.6

¹ Gift of Federated Malay States.

Table 30.—LIST OF BATTLESHIPS AND ARMORED CRUISERS—GREAT BRITAIN—Continued.**ARMORED CRUISERS—Continued.**

Completed in—	Name.	Displacement.	Main armament.	Speed.
		<i>Tons.</i>		<i>Knots.</i>
1905.....	Antrim.....	10,850	} Four 7.5-inch; six 6-inch.....	} 23.2
1905.....	Carnarvon.....	10,850		
1905.....	Roxburgh.....	10,850		
1905.....	Devonshire.....	10,850		
1'06.....	Duke of Edinburgh.....	13,550	Six 9.2-inch; ten 6-inch.....	} 22.84
1'07.....	Achilles.....	13,550	Six 9.2-inch; four 7.5-inch.....	
1908.....	Shannon.....	14,600	} Four 9.2-inch; ten 7.5-inch.....	} 22.49
1908.....	Minotaur.....	14,600		
1917.....	Glorious.....	18,600	Four 15-inch; eighteen 4-inch.....	} 31.6
1917.....	Courageous.....	18,600	Four 15-inch; eighteen 4-inch.....	
1917.....	Furious.....	19,100	Ten 5.5-inch; five 3-inch.....	
	BATTLE CRUISERS.			
1904.....	Indomitable.....	17,250	} Eight 12-inch.....	} 28.7
1903.....	Inflexible.....	17,250		
1911.....	Lion.....	26,350	} Eight 18.5-inch.....	} 31.7
1912.....	Princess Royal.....	26,350		
1912.....	New Zealand ¹	18,800	} Eight 12-inch.....	} 26.5
1913.....	Australia ²	18,800		
1914.....	Tiger.....	28,500	Eight 13.5-inch.....	} 29.0
1916.....	Renown.....	26,500	} Eight 15-inch.....	
1916.....	Repulse.....	26,500		
	Grand total, 32 armored cruisers.	411,400		

¹ Built for Dominion of New Zealand.² Built for Commonwealth of Australia.**Table 31.—LIST OF BATTLESHIPS AND ARMORED CRUISERS—GERMANY.**

(Vessels over 20 years old from date of launching not included.)

[For vessels lost between July 1, 1914, and Nov. 14, 1918, see Table 41.]

BATTLESHIPS.

Completed in—	Name.	Displacement.	Main armament.	Speed.
		<i>Tons.</i>		<i>Knots.</i>
1901.....	Kaiser Karl der Grosse ¹	10,474	} Four 9.4-inch; eighteen 5.9-inch.....	} 18.0
1901.....	Kaiser Wilhelm der Grosse ¹	10,474		
1901.....	Kaiser Barbarossa ¹	10,474	} Four 9.4-inch; fourteen 5.9-inch.....	} 18.0
1902.....	Wittelsbach ¹	11,611		
1902.....	Zähringen ¹	11,611	} Four 9.4-inch; eighteen 5.9-inch.....	} 19.0
1902.....	Wettin ¹	11,611		
1903.....	Mecklenburg ¹	11,611		
1903.....	Schwaben ¹	11,611		
1904.....	Braunschweig ¹	12,988	} Four 11-inch; fourteen 6.7-inch.....	} 18.5
1905.....	Hessen ¹	12,988		
1905.....	Preussen ¹	12,988	} Four 11-inch; fourteen 6.7-inch.....	} 18.5
1905.....	Elsass ¹	12,988		
1906.....	Lothringen ¹	12,988	} Four 11-inch; fourteen 6.7-inch.....	} 18.5
1906.....	Deutschland ¹	13,040		
1907.....	Hannover ¹	13,040	} Four 11-inch; fourteen 6.7-inch.....	} 18.0
1908.....	Schleswig-Holstein ¹	13,040		
1908.....	Schlesien ¹	13,040	} Eight 15-inch; sixteen 5.9-inch.....	} 18.5
	DREADNAUGHT TYPE.			
1909.....	Nassau.....	18,600	} Twelve 11-inch.....	} 20.0
1909.....	Westfalen.....	18,600		
1910.....	Posen.....	18,600	} Twelve 11-inch.....	} 20.0
1910.....	Rheinland.....	18,600		
1911.....	Ostfriesland.....	22,440	} Twelve 12-inch.....	} 21.2
1911.....	Helgoland.....	22,440		
1911.....	Thüringen.....	22,440		
1912.....	Oldenburg.....	22,440		
1916.....	Baden.....	28,000	} Eight 15-inch; sixteen 5.9-inch.....	} 21.0

¹Listed in the latest report as obsolete.

Table 31.—LIST OF BATTLESHIPS AND ARMORED CRUISERS—GERMANY—Continued.

BATTLESHIPS—Continued.

Completed in—	Name.	Displacement.	Main armament.	Speed.
	BUILDING. ¹			
1914.....	Late "Salamis," building for Greece. ¹	Tons. 19,500	Eight 14-inch.....	K notes. 23.0
1916.....	"T".....	28,500	} Eight 15-inch.....	{ 23.0
1916.....	Ersatz Worth.....	28,500		
1916.....	Sachsen.....	28,050		
1917.....	Wurtemberg.....	28,050		
	Grand total, 31 battleships.....	531,337		

ARMORED CRUISERS.

1900.....	Furst Bismarck ²	10,520	Four 9.4-inch; twelve 5.9-inch.....	19.0
1902.....	Prinz Heinrich ²	8,747	Two 9.4-inch; ten 5.9-inch.....	20.0
1906.....	Roon ²	9,358	Four 8.2-inch; ten 5.9-inch.....	21.17
	BATTLE CRUISERS.			
1912.....	Goeben.....	22,632	Ten 11-inch.....	28.5
	BUILDING. ¹			
1916.....	Ersatz Hertha.....	28,000	} Eight 12-inch.....	{ 27.0
1917.....	Ersatz Victoria Louise.....	28,000		
1916.....	Prinz Eitel Friedrich ²			
1917.....	Graf Sall ²			
1917.....	Ersatz Hansa ²			
1917.....	Mackensen.....	27,000	Eight 12-inch.....	* 28.0
	Grand total, 10 armored cruisers.....	134,252		

¹ Not being completed.

² Listed in the latest report as obsolete.

* No other data.

† Approximate.

The following German war vessels had been turned over to Great Britain and the allies up to April 9, 1919:

BATTLESHIPS.

Completed in—	Name.	Displacement.	Main armament.	Speed.
1912.....	Kaiser.....	Tons. 24,306	} Ten 12-inch.....	{ 20.5
1912.....	Friedrich der Grosse.....	24,306		
1913.....	Kaiserin.....	24,306		
1913.....	Prinzregent Luitpold.....	24,406		
1913.....	Konig Albert.....	24,306		
1914.....	Konig.....	25,398		
1914.....	Grosser Kurfurst.....	25,398		
1914.....	Markgraf.....	25,398		
1915.....	Kronprinz Wilhelm.....	25,898		
1915.....	Bayern.....	26,000		

BATTLE CRUISERS.

1910.....	Von der Tann.....	19,160	Eight 11-inch.....	28.1
1911.....	Moltke.....	22,632	} Ten 11-inch.....	{ 28.4
1913.....	Seydlitz.....	24,385		
1914.....	Derfflinger.....	26,000	Eight 12-inch.....	29.0
	Hindenburg ¹			27.0

¹ No other data available.

Table 33.—LIST OF BATTLESHIPS AND ARMORED CRUISERS—UNITED STATES.

(Vessels over 20 years old from date of launching not included.)
BATTLESHIPS.

Completed in—	Name.	Displacement.	Main armament.	Speed.
		<i>Tons.</i>		<i>Knots.</i>
1902	Maine.....	12,500	Four 12-inch; eight 8-inch.....	18.00
1903	Missouri.....	12,500		18.15
1904	Ohio.....	12,500		17.82
1906	Rhode Island.....	14,948		19.01
1906	Virginia.....	14,948		19.01
1906	New Jersey.....	14,948		19.18
1906	Georgia.....	14,948		19.26
1907	Nebraska.....	14,948		19.06
1906	Connecticut.....	16,000		18.78
1906	Louisiana.....	16,000		18.82
1907	Minnesota.....	16,000		18.85
1907	Vermont.....	16,000		18.33
1907	Kansas.....	16,000		18.09
1908	New Hampshire.....	16,000	18.16	
DREADNAUGHT TYPE.				
1910	Michigan.....	16,000	Eight 12-inch.....	18.79
1910	South Carolina.....	16,000		18.86
1910	Delaware.....	20,000	Ten 12-inch.....	21.56
1910	North Dakota.....	20,000		21.01
1911	Florida.....	21,825		22.06
1911	Utah.....	21,825	Twelve 12-inch.....	21.04
1912	Arkansas.....	26,000		21.05
1912	Wyoming.....	26,000		21.22
1913	Texas.....	27,000		21.05
1914	New York.....	27,000	Ten 14-inch.....	21.47
1915	Nevada.....	27,500		20.53
1915	Oklahoma.....	27,500	Twelve 14-inch.....	20.58
1916	Pennsylvania.....	31,400		21.05
1917	Arizona.....	31,400		21.0
1917	Mississippi.....	32,000		21.0
1918	New Mexico.....	32,000		21.0
Total, 30 battleships.....		611,690		
BUILDING.				
	Idaho.....	32,000	Twelve 14-inch.....	21.0
	California.....	32,300		21.0
	Tennessee.....	32,300		21.0
	Colorado.....	32,600	Eight 16-inch.....	21.0
	Maryland.....	32,600		21.0
	Washington.....	32,600		21.0
	West Virginia.....	32,600		21.0
	South Dakota.....	43,200	Twelve 16-inch.....	23.0
	No. 50.....	43,200		23.0
	Montana.....	43,200		23.0
	North Carolina.....	43,200		23.0
	No. 53 ¹	43,200		23.0
	No. 54 ¹	43,200		23.0
Grand total, 45 battleships..		1,120,994		

ARMORED CRUISERS.

1905	Pittsburgh.....	13,680	Four 8-inch; four 6-inch.....	22.44
1905	Frederick.....	13,680		22.41
1905	Pueblo.....	13,680		22.24
1905	Huntington.....	13,680		22.15
1907	South Dakota.....	13,680		22.24
1906	Seattle.....	14,500	Four 10-inch; four 6-inch.....	22.27
1908	North Carolina.....	14,500		21.91
1908	Montana.....	14,500		22.26
Total, 8 armored cruisers.....		111,900		
1905	Charleston ²	9,700	Twelve 6-inch.....	22.04
1906	St. Louis ²	9,700		22.13
Total if last 2 are included...		131,300		
BATTLE CRUISERS—Building.				
	Lexington.....	35,300	Eight 16-inch; 14 6-inch.....	35.0
	Constellation.....	35,300		35.0
	Saratoga.....	35,300		35.0
	Ranger.....	35,300		35.0
	Constitution.....	35,300		35.0
	No. 6 ¹	35,300		35.0
Grand total, 16 armored cruisers.		343,100		

¹ Authorized but not appropriated for; appropriation was made in act of July 1, 1918.

² Officially these ships are protected cruisers. They are actually armored cruisers, and so treated by standard foreign publications.

Table 33.—LIST OF BATTLESHIPS AND ARMORED CRUISERS—FRANCE.

(Vessels over 20 years old from date of launching not included.)

[For vessels lost between July 1, 1914, and Nov. 14, 1918, see Table 41.]

BATTLESHIPS.

Completed in—	Name.	Displacement.	Main armament.	Speed.
		<i>Tons.</i>		<i>Knots.</i>
1902.....	Henri IV.....	8, 906	Two 10.8-inch; seven 5.5-inch.....	17.3
1907.....	Patrie.....	14, 630	Four 12-inch; eighteen 6.5-inch.....	19.12
1907.....	Republique.....	14, 905		19.15
1907.....	Justice.....	14, 960	Four 12-inch; ten 7.6-inch.....	19.42
1907.....	Democratie.....	14, 938		19.44
1908.....	Verite.....	14, 489		19.26
1911.....	Voltaire.....	18, 457		20.66
1911.....	Vergniaud.....	18, 457	Four 12-inch; twelve 9.4-inch.....	19.67
1911.....	Condorcet.....	18, 587		19.8
1911.....	Diderot.....	18, 561		19.75
1911.....	Mirabeau.....	18, 445		19.73
1915.....	Bretagne.....	23, 177	Ten 13.4-inch.....	20.0
1915.....	Lorraine.....	23, 177		20.0
1915.....	Provence.....	23, 177		20.0
	DREADNAUGHT TYPE.			
1913.....	Jean Bart.....	23, 065	Twelve 12-inch.....	22.63
1913.....	Courbet.....	23, 065		23.01
1914.....	France.....	23, 065		20.0
1914.....	Paris.....	23, 065		20.0
	BUILDING.			
1916.....	Normandie ¹	24, 828	Twelve 13.4-inch.....	21.5
1916.....	Languedoc ¹	24, 828		21.5
1916.....	Flandre ¹	24, 828		21.5
1916.....	Gasconne ¹	24, 828		21.5
1917.....	Bearn ¹	24, 828		21.5
	Grand total, 23 battleships..	460, 596		

ARMORED CRUISERS.

1896.....		4, 673	Two 7.6-inch; six 5.5-inch.....	18.3
1897.....		5, 282	Two 7.6-inch; ten 5.5-inch.....	19.2
1903.....	Jeanne d'Arc.....	11, 125	Two 7.6-inch; fourteen 6.5-inch.....	21.7
1903.....	Dupleix.....	7, 547	Eight 6.5-inch.....	21.7
1905.....	Dupleix.....	7, 432		21.0
1902.....	Montcalm.....	9, 177	Two 7.6-inch; eight 6.5-inch.....	21.0
1903.....	Jurien de la Graviere.....	5, 600	Eight 6.5-inch; two 9-pounders.....	22.9
1903.....	Gueydon.....	9, 548	Two 7.6-inch; eight 6.5-inch.....	21.0
1903.....	Marseillaise.....	9, 458		21.0
1903.....	Admiral Aube.....	9, 534		21.9
1904.....	Gloire.....	10, 212		21.0
1904.....	Conde.....	10, 233	Four 7.6-inch; sixteen 6.5-inch.....	21.4
1907.....	Victor Hugo.....	13, 108		22.0
1906.....	Jules Ferry.....	12, 379	Four 7.6-inch; twelve 6.5-inch.....	22.0
1908.....	Jules Michelet.....	13, 105		23.0
1909.....	Ernest Renan.....	13, 504	Fourteen 7.6-inch.....	23.0
1911.....	Edgar Quinet.....	13, 847		23.9
1911.....	Waldeck Rousseau.....	13, 995		23.6
	Grand total, 18 armored cruisers.	179, 759		

¹ Work suspended.

NOTE.—Due to the European war, no official information regarding naval matters of the belligerents can be obtained; therefore this table is published as of July 1, 1914.

Table 34.—LIST OF BATTLESHIPS AND ARMORED CRUISERS—JAPAN.

(Vessels over 20 years old from date of launching not included.)

[For vessels lost between July 1, 1914, and Nov. 14, 1918, see Table 41.]

BATTLESHIPS.

Completed in—	Name.	Displacement.	Main armament.	Speed.
		<i>Tons.</i>		<i>Knots.</i>
1900	Asahi	14,765	Four 12-inch; fourteen 6-inch	18.3
1902	Mikasa	15,362		
1902	Hizen	12,700	Four 12-inch; twelve 6-inch	18.5
1906	Katori	15,950	Four 12-inch; four 10-inch; twelve 6-inch	20.2
1906	Kashima	16,400		
1910	Setsuma	19,350	Four 12-inch; twelve 10-inch	20.0
1911	Aki	19,800	Four 12-inch; twelve 10-inch; eight 6-inch	20.2
1915	Fuso	20,600	Twelve 14-inch	22.0
1917	Yamashiro	20,600		
1917	Ise	21,200		
1918	Hyuga	21,200		
	DREADNAUGHT TYPE.			
1912	Setsu	20,800	Twelve 12-inch	20.5
	BUILDING.			
1917	Nagato	32,000	Eight 16-inch	24.0
	Kaga ¹			
	Tosa ¹			
	Mutsu ²			
	Grand total, 16 battleships ..	290,574		

ARMORED CRUISERS.

1899	Tokiwa	9,700	Four 8-inch; fourteen 6-inch	23.0
1899	Asama	9,700		
1900	Idzumo	9,750	Ten 6-inch	19.3
1901	Isugaru	6,630		
1901	Iwate	9,750	Four 8-inch; fourteen 6-inch	22.0
1901	Yakumo	9,646	Four 8-inch; twelve 6-inch	20.0
1901	Adzuma	9,377		
1903	Aso	7,312	Two 8-inch; eight 6-inch	22.0
1904	Kasuga	7,628	One 10-inch; two 8-inch; fourteen 6-inch	20.0
1904	Nishin	7,628	Four 8-inch; fourteen 6-inch	20.0
	BATTLE CRUISERS.			
1906	Ihoma	12,750	Four 12-inch; twelve 6-inch	21.0
1909	Ibuki	14,600	Four 12-inch; eight 8-inch	22.0
1911	Kurama	14,600		
1912	Kongo	27,500	Eight 14-inch	27.0
1914	Hiyel	27,500		
1915	Kirishima	27,500		
1915	Haruna	27,500		
	Grand total, 17 armored cruisers ..	240,001		

¹ Program year, 1918-1918; no other data.² Program year, 1917-1918; no other data.

Table 35.—LIST OF BATTLESHIPS AND ARMORED CRUISERS—RUSSIA.

(Vessels over 20 years old from date of launching not included.)

[For vessels lost between July 1, 1914, and Nov. 14, 1918, see Table 41.]

BATTLESHIPS.

Completed in—	Name.	Displacement.	Main armament.	Speed.
		<i>Tons.</i>		<i>Knots.</i>
1903.....	Boretsza Svobodu.....	12,582	Four 12-inch; sixteen 6-inch.....	17.0
1903.....	Grashdanin.....	13,000	Four 12-inch; twelve 6-inch.....	19.6
1910.....	Svistol Evstaf.....	12,840	Four 12-inch; four 8-inch; twelve 6-inch.....	16.0
1911.....	Ioann Zlatoust.....	12,840	Four 12-inch; fourteen 8-inch.....	18.0
1911.....	Andrei Pervozvani.....	17,400		
1911.....	Respublika.....	17,400		
DREADNAUGHT TYPE.				
1914.....	Sevastopol.....	23,000	Twelve 12-inch.....	23.0
1914.....	Petropavlovsk.....	23,000		23.0
1914.....	Poltava.....	23,000		23.0
1914.....	Gangut.....	23,000		21.0
1915.....	Volya.....	22,600		21.0
BUILDING.				
1914.....	Damokratiya.....	20,700	Twelve 12-inch.....	21.0
	Grand total, 12 battleships..	230,362		

ARMORED CRUISERS.

1900.....	Gromobol.....	13,200	Four 8-inch; twenty-two 6-inch.....	20.0
1900.....	Varoag.....	6,500		22.7
1902.....	Bogatuir ¹	6,650	Sixteen 5.1-inch.....	23.6
1903.....	Avrora ¹	6,730	Fourteen 6-inch.....	19.0
1904.....	Oleg.....	6,675	Sixteen 5.1-inch.....	23.0
1905.....	Ochakov.....	6,675	Sixteen 6-inch.....	23.0
1907.....	Pamyat Merkuriiya.....	6,675		23.0
.....	Askold ¹	5,906	Twelve 6-inch.....	23.8
1907.....	Ryurik.....	15,190	Four 10-inch; eight 8-inch.....	21.5
1908.....	Admiral Makaroff.....	7,775	Two 8-inch; eight 6-inch.....	22.55
1910.....	Bayan.....	7,775		21.0
BATTLE CRUISERS, BUILDING.				
1916.....	Navarin.....	32,000	Twelve 14-inch.....	25.0
1916.....	Borodino.....	32,000		25.0
1916.....	Ismail.....	32,000		25.0
1916.....	Kinburn.....	32,000		25.0
	Grand total, 15 armored cruisers.	217,750		

¹ Fitted as mine layer.

NOTE.—All warship construction in Russia has ceased. Little work has been done since June, 1917.

Table 36.—LIST OF BATTLESHIPS AND ARMORED CRUISERS—ITALY.

(Vessels over 20 years old from date of launching not included.)

[For vessels lost between July 1, 1914, and Oct. 1, 1916, see Table 17.]

BATTLESHIPS.

Completed in—	Name.	Displacement.	Main armament.	Speed.
		<i>Tons.</i>		<i>Knots.</i>
1907.....	Regina Elena.....	12,425	Two 12-inch; twelve 8-inch.....	22.5
1908.....	Vittorio Emanuele III.....	12,425		
1909.....	Napoli.....	12,425		
1909.....	Roma.....	12,425		
DREADNAUGHT TYPE.				
1912.....	Dante Alighieri.....	19,190	Twelve 12-inch.....	23.0
1913.....	Giulio Cesare.....	22,023	Thirteen 12-inch.....	22.5
1915.....	Contidi Cavour.....	22,023		
1915.....	Dulio.....	22,562		
1916.....	Andrea Doria.....	22,562		
BUILDING.				
1917.....	Carraciolo.....	30,000	Eight 15-inch.....	25.0
1917.....	Marcantonio-Colonna.....	30,000		
1917.....	Cristoforo-Colombo.....	30,000		
1917.....	Francesco-Morosini.....	30,000		
Grand total, 13 battleships..		278,060		

ARMORED CRUISERS.

1901.....	Varese.....	7,234	One 10-inch; two 8-inch; fourteen 6-inch.	20.2
1905.....	Ferruccio.....	7,234		
1909.....	Pisa.....	10,430	Four 10-inch; eight 7.5-inch.....	23.3
1910.....	San Giorgio.....	10,004		
1910.....	San Marco.....	10,794		
Grand total, 5 armored cruisers..		45,696		

Table 37.—LIST OF BATTLESHIPS AND ARMORED CRUISERS—AUSTRIA-HUNGARY.

(Vessels over 20 years old from date of launching not included.)

[For vessels lost between July 1, 1914, and Nov. 14, 1918, see Table 41.]

BATTLESHIPS.

Completed in—	Name.	Displacement.	Main armament.	Speed.
		<i>Tons.</i>		<i>Knots.</i>
.....	Babenberg.....	8,167	Three 9.4-inch; twelve 5.9-inch.....	19.6
.....	Arpad.....	8,167		
.....	Hapsburg.....	8,167		
1906.....	Erzherzog Karl.....	10,430	Four 9.4-inch; twelve 7.4-inch.....	20.3
1907.....	Erzherzog Friedrich.....	10,430		
1907.....	Erzherzog Ferdinand Max.....	10,430		
1910.....	Erzherzog Franz Ferdinand.....	14,230		
1911.....	Radetski.....	14,230	Four 12-inch; eight 9.4-inch.....	20.3
1911.....	Zrinyi.....	14,230		
DREADNAUGHT TYPE.				
1913.....	Tegetthoff.....	20,010	Twelve 12-inch.....	21.0
1914.....	Prinz Eugen.....	20,010		
BUILDING.				
(1).....	One ship.....	24,500	Ten 13.5-inch.....	21.0
(1).....	do.....	24,500		
(1).....	do.....	24,500		
(1).....	do.....	24,500		
Grand total, 15 battleships..		236,501		

ARMORED CRUISER.

1906.....	St. Georg.....	7,180	Two 9.4-inch; five 7.5-inch; four 5.9-inch.	22.0
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1 Time when due to be completed unknown.

Table 38.—SUMMARY OF BATTLESHIPS AND ARMORED CRUISERS.

	Number.	Tonnage.		Number.	Tonnage.
Great Britain (includes built and building):			Japan:		
Battleships.....	52	1,061,650	Battleships.....	16	290,874
Armored cruisers.....	32	411,400	Armored cruisers.....	17	240,001
Total.....	84	1,473,050	Total.....	33	530,875
Germany: ¹			Russia:		
Battleships.....	31	531,337	Battleships.....	12	230,362
Armored cruisers.....	10	134,252	Armored cruisers.....	15	217,750
Total.....	41	665,589	Total.....	27	448,112
United States:			Italy:		
Battleships.....	45	1,120,994	Battleships.....	13	278,060
Armored cruisers.....	16	343,100	Armored cruisers.....	5	45,696
Total.....	61	1,464,094	Total.....	18	323,756
France:			Austria-Hungary:		
Battleships.....	23	460,596	Battleships.....	15	236,501
Armored cruisers.....	18	179,759	Armored cruisers.....	1	7,180
Total.....	41	640,345	Total.....	16	243,681

¹ This does not include vessels turned over to Allies up to date.

NOTE.—On account of the existing conditions in Germany, Austria-Hungary, and Russia, it can not be determined just how accurate these data are.

Table 39.—SUMMARY OF ARMAMENT, BATTLESHIPS AND ARMORED CRUISERS—FOREIGN POWERS.

	Large guns.						Total.
	11-inch.	12-inch.	13-inch.	13.5-inch.	14-inch.	15-inch.	
Great Britain:							
Built.....		196		184	10	94	484
Building.....						32	32
Total.....							516
Germany: ¹							
France:							
Built.....		88		30			118
Building.....				124			124
Total.....							242
Japan:							
Built.....		52			72		124
Building.....						8	8
Total.....							132
Russia:							
Built.....		84					84
Building.....		12			48		60
Total.....							144
Italy:							
Built.....		72					72
Building.....						32	32
Total.....							104
Austria-Hungary: ¹							

¹ On account of unsettled conditions in these countries on account of the war it is impossible to furnish this information.

Table 40.—TOTAL NAVAL EXPENDITURES BY PRINCIPAL NAVAL POWERS.

Fiscal year.	Great Britain (Apr. 1 to Mar. 31).	United States (July 1 to June 30).	Germany (April to March).	France (January to December).
1900-1901.....	\$145,792,850	\$61,721,096.05	\$37,173,074	\$72,683,180
1901-2.....	150,569,190	68,438,304.84	46,315,800	67,079,011
1902-3.....	150,679,328	82,977,641.62	48,818,700	59,217,558
1903-4.....	173,548,058	104,126,192.84	50,544,000	59,740,222
1904-5.....	179,148,049	116,653,826.79	49,110,300	60,178,623
1905-6.....	161,117,947	109,725,039.45	54,918,000	61,565,779
1906-7.....	152,954,342	98,392,144.07	58,344,300	59,514,296
1907-8.....	151,880,617	117,353,474.71	69,133,500	60,685,813
1908-9.....	156,401,161	120,421,578.61	80,737,626	62,194,916
1909-10.....	181,936,341	122,247,364.80	95,047,820	64,899,589
1910-11.....	202,056,258	111,791,979.61	103,302,773	74,102,439
1911-12.....	211,596,296	133,559,071.87	107,178,480	80,371,109
1912-13.....	224,443,296	129,787,233.10	109,989,096	81,692,832
1913-14.....	237,530,459	136,858,301.07	112,091,125	90,164,625
1914-15.....	260,714,275	142,959,092.11	113,993,329	123,828,872
1915-16.....	1,001,202,544	152,821,640.67	.....	.....
1916-17.....	1,020,003,279	261,403,176.52	.....	.....
1917-18.....	.....	1,214,995,767.01	.....	.....

Fiscal year.	Russia (January to December).	Italy (July 1 to June 30).	Japan (April to March).	Total.
1900-1901.....	\$42,101,212	\$23,829,206	.....	.....
1901-2.....	45,488,462	23,875,532	\$21,373,954	\$423,140,250
1902-3.....	50,769,465	23,522,400	17,654,528	433,639,620
1903-4.....	60,018,895	23,522,400	17,553,279	489,053,048
1904-5.....	58,076,543	24,300,000	10,018,264	497,477,368
1905-6.....	60,228,444	24,494,400	11,378,202	483,427,831
1906-7.....	60,703,557	25,865,668	30,072,061	485,846,368
1907-8.....	43,012,166	27,516,454	35,124,346	504,706,370
1908-9.....	49,682,482	30,453,697	39,347,332	539,238,793
1909-10.....	58,059,040	31,812,885	35,005,719	589,008,759
1910-11.....	46,520,465	40,595,204	36,889,158	615,258,277
1911-12.....	56,680,915	40,780,987	42,944,329	673,111,187
1912-13.....	82,019,633	41,893,420	46,510,216	716,335,726
1913-14.....	117,508,657	49,550,147	48,105,152	791,808,466
1914-15.....	128,954,733	56,920,440	69,111,653	895,396,088
1915-16.....	.....	135,736,207	.....	.....
1916-17.....	.....	161,482,062	.....	.....
1917-18.....	.....	224,933,966	.....	.....

NOTE.—Data not available where not shown.

Table 41.—WAR VESSELS LOST BY BELLIGERENTS FROM AUG. 1, 1914, TO OCT. 1, 1918.

ENGLAND.

No.	Type.	Date.	Name.	Tonnage.		
13	Battleship.....	Oct. 29, 1914	Audacious.....	24,000		
		Nov. 25, 1914	Bulwark.....	15,000		
		Jan. 1, 1915	Formidable.....	15,000		
		Mar. 18, 1915	Irresistible.....	15,000		
		.....do.....	Ocean.....	12,950	
		May 12, 1915	Goliath.....	12,950		
		May 25, 1915	Triumph.....	11,800		
		May 27, 1915	Majestic.....	14,900		
		Jan. 2, 1916	King Edward VII.....	16,350		
		Apr. 27, 1916	Russell.....	14,000		
		Nov. 9, 1918	Britannia.....	(1)		
		Jan. 11, 1917	Cornwallis.....	(1)		
		July 9, 1917	Vanguard.....	(1)		
		May 31, 1916	Queen Mary.....	27,000		
3	Battle cruiser.....	.....do.....	Indefatigable.....	18,750	
		.....do.....	Invincible.....	17,250	
14	Cruiser.....	Sept. 22, 1914	Hogue.....	12,000		
		.....do.....	Cressy.....	12,000	
		.....do.....	Aboukir.....	12,000	
		Oct. 15, 1914	Hawke.....	7,350		
		Nov. 1, 1914	Good Hope.....	11,100		
		.....do.....	Monmouth.....	9,800	
		Oct. 28, 1915	Argyll.....	10,850		
		Dec. 30, 1915	Natal.....	13,660		
		May 31, 1916	Defence.....	14,600		
		.....do.....	Warrior.....	13,660	
		.....do.....	Black Prince.....	13,660	
		June 6, 1916	Hampshire.....	10,850		
		Nov. 14, 1918	Cochrane.....	(1)		
		Oct. 2, 1917	Drake.....	(1)		
13	Light cruiser.....	Aug. 6, 1914	Amphion.....	3,360		
		Sept. 5, 1914	Fathfinder.....	2,940		
		Sept. 20, 1914	Pegasus.....	2,135		
		Oct. 31, 1914	Hermes.....	5,600		
		Feb. 14, 1916	Arctusa.....	3,900		
		Aug. 19, 1916	Falmouth.....	5,250		
		.....do.....	Nottingham.....	5,440	
		Apr. 23, 1918	Billiant.....	(1)		
		.....do.....	Intrepid.....	(1)	
		.....do.....	Iphigenia.....	(1)	
		.....do.....	Sirius.....	(1)	
		.....do.....	Thetis.....	(1)	
		May 10, 1918	Vindictive.....	(1)		
		5	Torpedo gunboat.....	Sept. 3, 1914	Speedy.....	810
Nov. 11, 1914	Niger.....			810		
6	Monitor.....	Jan. 28, 1918	Hazard.....	(1)		
		Apr. 7, 1917	Jason.....	(1)		
		Sept. 30, 1918	Seagull.....	(1)		
		May 13, 1916	M-3.....	(1)		
1	Coast-defense ship.....	Jan. 20, 1918	Rugian.....	(1)		
		Nov. 11, 1917	M-15.....	(1)		
		Oct. 20, 1918	M-21.....	(1)		
		Jan. 20, 1918	M-28.....	(1)		
		May 13, 1916	M-30.....	(1)		
		18	Sloop.....	Sept. 16, 1918	Glatton.....	(1)
				Mar. 18, 1917	Alyssum.....	(1)
				July 16, 1918	Anchusa.....	(1)
				Feb. 10, 1916	Arabis.....	(1)
				Dec. 16, 1917	Arbutus.....	(1)
				July 4, 1917	Aster.....	(1)
				Oct. —, 1917	Begonia.....	(1)
				Aug. 13, 1917	Bergamot.....	(1)
				Nov. 18, 1917	Candytuft.....	(1)
Apr. 25, 1918	Cowslip.....			(1)		
Mar. 22, 1918	Gaillardia.....			(1)		
Oct. 28, 1916	Genista.....			(1)		
May 5, 1917	Lavender.....			(1)		
Mar. 17, 1917	Mignonette.....			(1)		
Apr. 27, 1916	Nasturtium.....	(1)				
Mar. 1, 1916	Primula.....	(1)				
May 5, 1918	Rhododendron.....	(1)				
June 20, 1917	Salvia.....	(1)				
Apr. 30, 1917	Tulip.....	(1)				
2	River gunboat.....	Nov. —, 1915	Comet.....	(1)		
		.....do.....	Shaitan.....	(1)	
3	Flotilla leader.....	Dec. —, 1916	Hoste.....	(1)		
		Aug. —, 1918	Scott.....	(1)		
		May 31, 1916	Tipperary.....	(1)		
		.....do.....	.....	(1)

¹ It is impossible to furnish the tonnage on these vessels.

Table 41.—WAR VESSELS LOST BY BELLIGERENTS FROM AUG. 1, 1914, TO OCT. 1, 1916—Continued.

ENGLAND—Continued.

No.	Type.	Date.	Name.	Tonnage.
66	Destroyer.....	Aug. 18, 1914	Bullfinch.....	370
		Dec. 27, 1914	Erne.....	550
		Feb. —, 1915	Recruit.....	385
		May 1, 1915	Maori.....	1,035
		May 7, 1915	Lynx.....	935
		Aug. 10, 1915	Louis.....	965
		Nov. 10, 1915	Coquette.....	355
		Mar. 9, 1916	Tipperary.....	1,480
		May 31, 1916	Ardent.....	935
		.....do.....	Fortune.....	935
		.....do.....	Shark.....	935
		.....do.....	Sparrowhawk.....	935
		.....do.....	Nestor.....	.....
		.....do.....	Nomad.....	.....
		.....do.....	Turbulent.....	.....
		June 16, 1916	Eden.....	555
		Aug. 13, 1916	Lassoo.....	.....
		Aug. 2, 1918	Ariel.....	.....
		Mar. 23, 1918	Arno.....	.....
		Dec. 30, 1917	Attack.....	.....
		Apr. 4, 1918	Bittern.....	.....
		Feb. 8, 1918	Boxer.....	.....
		June 30, 1917	Cheerful.....	.....
		Aug. 6, 1918	Comet.....	.....
		Sept. 18, 1917	Contest.....	.....
		May 2, 1917	Derwent.....	.....
		May 31, 1918	Fairy.....	.....
		Apr. 1, 1918	Falcon.....	.....
		Oct. 27, 1916	Flirt.....	.....
		Mar. 15, 1917	Foyle.....	.....
		Feb. 8, 1917	Ghurka.....	.....
		.....	Goldfinch.....	.....
		.....	Wrecked.	.....
		July 6, 1917	Itchen.....	.....
		Mar. 27, 1918	Kale.....	.....
		Mar. 23, 1917	Laforey.....	.....
		June 30, 1916	Lightning.....	.....
		Oct. 21, 1917	Marmion.....	.....
		Oct. 17, 1917	Mary Rose.....	.....
		Mar. 25, 1916	Medusa.....	.....
		Mar. 26, 1917	Myrmidon.....	.....
		Jan. 12, 1918	Narbrough.....	.....
		Dec. 21, 1916	Negro.....	.....
		Sept. 8, 1918	Nessus.....	.....
		Apr. 23, 1918	North Star.....	.....
		Jan. 12, 1918	Opal.....	.....
		Mar. 18, 1917	Paragon.....	.....
		Dec. 12, 1917	Partridge.....	.....
		Mar. 1, 1917	Pheasant.....	.....
		May 14, 1918	Phoenix.....	.....
July 24, 1918	Pincher.....	.....	
Jan. 9, 1918	Raccoon.....	.....	
Aug. 9, 1917	Recruit.....	.....	
May 17, 1917	Setter.....	.....	
Jan. 23, 1917	Simoom.....	.....	
Nov. 11, 1917	Staunch.....	.....	
Oct. 17, 1917	Strongbow.....	.....	
Dec. 23, 1917	Surprise.....	.....	
Dec. 27, 1914	Success.....	.....	
Dec. 23, 1917	Tornado.....	.....	
.....do.....	Torrent.....	.....	
Aug. 15, 1918	Ullswater.....	.....	
Oct. 29, 1918	Ulysses.....	.....	
Aug. 2, 1918	Vehement.....	.....	
Oct. 25, 1915	Velox.....	.....	
Dec. 12, 1917	Wolverine.....	.....	
10	Torpedo boat.....	June 10, 1915	No. 10.....	244
		.....do.....	No. 12.....	253
		Nov. 1, 1915	No. 96.....	130
		Mar. 9, 1916	No. 11.....	258
		Dec. 27, 1915	046.....	.....
		July 26, 1916	9.....	.....
		Jan. 26, 1916	13.....	.....
		Jan. 28, 1917	24.....	.....
		Apr. 25, 1918	90.....	.....
		June 10, 1917	117.....	.....

It is impossible to furnish the tonnage on these vessels.

Table 41.—WAR VESSELS LOST BY BELLIGERENTS FROM AUG. 1, 1914, TO OCT. 1, 1918—Continued.

ENGLAND—Continued.

No.	Type.	Date.	Name.	Tonnage.	
55	Submarine.....	Sept. 14, 1914	AE-1	725-810	
		Oct. 18, 1914	E-3	725-810	
		Nov. 8, 1914	D-5	550-600	
		Dec. 1, 1914	D-2	550-600	
			E-10	725-810	
		Apr. 17, 1915	E-15	725-810	
		Apr. 30, 1915	AE-2	725-810	
		Aug. 19, 1915	E-13	725-810	
		Sept. 4, 1915	E-7	725-810	
		Nov. 5, 1915	E-20	725-810	
		Jan. 6, 1916	E-17	725-810	
		Jan. 25, 1916			
		Apr. 25, 1916	E-22		
		May 5, 1916	E-31		
		Apr. 23, 1918	C-3		(1)
		Apr. 8, 1918	C-26		(1)
		do	C-27		(1)
		Aug. 29, 1915	C-29		(1)
		Jan. 5, 1915	C-31		(1)
		Oct. —, 1917	C-32		(1)
		Aug. 7, 1915	C-33		(1)
		July 19, 1917	C-34		(1)
		Mar. —, 1917	E-49		(1)
		Apr. 8, 1918	C-35		(1)
		Mar. 12, 1918	D-3		(1)
		July —, 1918	D-6		(1)
		Apr. 8, 1918	E-1		(1)
			E-5		(1)
		Dec. 26, 1915	E-6		(1)
		Apr. 8, 1918	E-8		(1)
		do	E-9		(1)
		Jan. 28, 1918	E-14		(1)
		Aug. 22, 1916	E-16		(1)
		May —, 1916	E-18		(1)
		Apr. 8, 1918	E-19		(1)
			E-24		(1)
		July 6, 1916	E-26		(1)
		July —, 1918	E-34		(1)
		Jan. 13, 1917	E-36		(1)
		Dec. —, 1916	E-37		(1)
		Aug. —, 1917	E-47		(1)
		Feb. —, 1918	E-50		(1)
		Nov. —, 1918	G-7		(1)
		Jan. —, 1918	G-8		(1)
		Sept. 16, 1917	G-9		(1)
		July 15, 1916	H-3		(1)
		Mar. 2, 1918	H-5		(1)
		Jan. —, 1916	H-6		(1)
		Jan. —, 1918	H-10		(1)
		Oct. —, 1918	J-6		(1)
Nov. 18, 1917	K-1		(1)		
Jan. 31, 1918	K-4		(1)		
do	K-17		(1)		
Oct. —, 1918	L-10		(1)		
Nov. —, 1916	E-30		(1)		
Jan. 11, 1917	Ben-My-Chree		(1)		
Nov. 5, 1918	Campania		(1)		
Oct. 31, 1914	Hermes		(1)		
Nov. 4, 1918	P-12		(1)		
Apr. 10, 1917	P-26		(1)		
May 27, 1915	Princess Irene		(1)		
July 26, 1917	Ariadne		(1)		
Sept. 17, 1914	Fisgard II		(1)		
Sept. 8, 1914	Oceanic		17,274		
Jan. 25, 1915	Viknor		5,386		
Feb. 8, 1915	Cian MacNaughton		4,985		
Mar. 12, 1915	Bayano		5,948		
Aug. 8, 1915	Ramsey				
Aug. 10, 1915	India		7,900		
Nov. 5, 1915	Tara		6,322		
Nov. 6, 1915	Abbas		298		
do	Abdel Monaym		598		
	Fauvette				
Feb. 20, 1916	Alicantara		15,300		
	Aegusa				
Aug. 24, 1916	Duke of Albany		1,977		
Aug. —, 1916	Zaida		106		

¹ It is impossible to furnish the tonnage on these vessels.

Table 41.—WAR VESSELS LOST BY BELLIGERENTS FROM AUG. 1, 1914, TO OCT. 1, 1918—Continued.

ENGLAND—Continued.

No.	Type.	Date.	Name.	Tonnage.
11	Armed merchant cruiser . . .	June 14, 1917	Avenger	C
		Mar. 1, 1918	Calgarian	
		Oct. 9, 1917	Champagne	
		May 25, 1917	Hilary	
		Jan. 25, 1917	Laurentic	
		July 23, 1918	Marmora	
		May 23, 1918	Moldavia	
		Oct. 19, 1917	Orama	
		Oct. 6, 1918	Granto	
		July 23, 1917	Otway	
		June 13, 1918	Patia	
2	Hospital ship	Jan. 4, 1918	Rewa	C
		Oct. 30, 1914	Rohilla	
13	Armed boarding steamer . . .	Aug. 25, 1916	Duke of Albany	C
		Sept. 3, 1917	Dundee	
		Mar. 9, 1916	Fauvette	
		Sept. 6, 1917	Fiona	
		Dec. 8, 1917	Grive	
		Jan. 20, 1918	Lourvain	
		Mar. 24, 1916	Marocela	
		Sept. 12, 1918	Sarnia	
		June 5, 1918	Snaefell	
		Dec. 13, 1917	Stephen Furness	
		Nov. 5, 1915	Tara	
		Aug. 5, 1915	The Ramsey	
		Mar. 28, 1918	Tithonus	
2	Mine sweeper	Aug. —, 1916	Clacton	C
		July 25, 1917	Newmarket	
259				

FRANCE.

4	Battleship	Mar. 18, 1915	Bouvet	12,000
		Nov. 26, 1916	Suffren	
		Dec. 27, 1916	Gaulois	
2	Armored cruiser	Mar. 19, 1917	Danton	12,352
		Apr. 26, 1915	Leon Gambetta	
3	Cruiser	Feb. 8, 1916	Amiral Charner	4,680
		June 27, 1917	Kleber	
2	Gunboat	Dec. 14, 1917	Chateaufrenault	636
		Aug. 7, 1918	Dupetit Thouars	
1	Torpedo gunboat	Sept. 22, 1914	Zélee	945
		Dec. 3, 1916	Surprise	
11	Destroyer	June 3, 1915	Cassabianca	298
		Oct. 2, 1916	Rigel	
10	Torpedo boat	Oct. 23, 1914	Mousquet	97
		Feb. 24, 1915	Dague	
		Mar. 18, 1916	Branlebas	
		June 5, 1916	Renaudin	
		June 25, 1918	Fantassin	
		Dec. 3, 1916	Fourche	
		Apr. 25, 1917	Yatagan	
		May 15, 1917	Beaufeu	
		Mar. 10, 1918	Faulx	
		May 15, 1918	Catapulte	
		Oct. 9, 1914	No. 347	
		do.	No. 338	
		Jan. —, 1915	do.	
June 16, 1915	No. 331			
Oct. —, 1914	348			
Jan. —, 1915	319			
June 17, 1915	331			
Feb. 1, 1916	308			
Dec. 28, 1916	317			
Mar. 12, 1918	333			
15	Submarine	Dec. 23, 1914	Curie	392
		Jan. 15, 1915	Saphir	
		July 8, 1915	Calypso	
		July 20, 1915	Mariotte	
		Nov. 3, 1915	Turquoise	
		Dec. 5, 1915	Fresnel	
		Dec. 28, 1915	Mons	
		May —, 1916	Joule	
Sept. —, 1916	Foucault			

¹ It is impossible to furnish the tonnage on these vessels.

Table 41.—WAR VESSELS LOST BY BELLIGERENTS FROM AUG. 1, 1914, TO OCT. 1, 1916—Continued.

FRANCE—Continued.

No.	Type.	Date.	Name.	Tonnage.
15	Submarine (continued)....	June 19, 1917	Ariane.....	(1)
		Feb. 13, 1918	Bernoulli.....	(1)
		Mar. 10, 1918	Diane.....	(1)
		Apr. 28, 1918	Fratrial.....	(1)
		Aug. 2, 1918	Floreal.....	(1)
		Sept. 20, 1918	Circe.....	(1)
		June 4, 1915	Casablanca.....	(1)
2	Mine layer.....	Feb. 28, 1917	Cassini.....	(1)
		Sept. 8, 1915	Indien.....	800
3	Auxiliary cruiser.....	Feb. 26, 1916	Provence.....	1,368
		Nov. 14, 1916	Esaulk.....	(1)
2	Armed merchant cruiser...	Aug. —, 1917	Burdigala.....	(1)
		Apr. —, 1916	Gole II.....	(1)
1	Special vessel.....	Apr. —, 1916	Estafette.....	(1)
57				

RUSSIA.

4	Battleship.....	June 18, 1918	Svobodnaya Rossiya.....	(1)
		Oct. 20, 1916	Imperatriza Mariya.....	(1)
1	Armored cruiser.....	Jan. 4, 1917	Peresvyet.....	(1)
		Oct. 17, 1917	Slava.....	(1)
2	Cruiser.....	Oct. 11, 1914	Pallada.....	7,775
		Oct. 28, 1914	Chemtchug.....	3,130
3	Gunboat.....	May —, 1918	Prut (ex Medjidieh).....	(1)
		Oct. 29, 1914	Domnetz.....	1,224
1	Armed auxiliary.....	Aug. 19, 1915	Slvutch.....	875
		Apr. —, 1918	Bobyrr.....	(1)
1	Mine layer.....	Apr. —, 1916	Vasili Velikii.....	(1)
23	Destroyer.....	Aug. 15, 1915	Ladoga.....	(1)
		June 3, 1915	.....do.....	1,110
		Mar. 12, 1915	Lt. Pushitchine.....	1,110
		Dec. 16, 1914	Letichi.....	400
		.....do.....	Ispolitelni.....	(1)
		Apr. 29, 1916	Zhivuchi.....	(1)
		Aug. 21, 1916	Dobrovoletz.....	(1)
		Oct. 28, 1916	Kazanetz.....	(1)
		July 1, 1917	Left. Zatzarenni.....	(1)
		Aug. 13, 1917	Left. Burakov.....	(1)
		Sept. 26, 1917	Okhotnik.....	(1)
		Oct. 14, 1917	Grom.....	(1)
		Nov. 27, 1917	Bditelni.....	(1)
		May —, 1918	Gnyevni.....	(1)
		June —, 1918	Pronstelni.....	(1)
		June —, 1918	Gadvibev.....	(1)
		June —, 1918	Fiodonnissi.....	(1)
		June —, 1918	Kalkakra.....	(1)
		June —, 1918	Left. Shestakoff.....	(1)
		June —, 1918	Left. Kapt. Baranov.....	(1)
		June —, 1918	Smyetilvi.....	(1)
		June —, 1918	Stremitelni.....	(1)
		June —, 1918	Kertch.....	(1)
10	Submarine.....	Nov. —, 1915	Akula.....	(1)
		June —, 1917	Bars.....	(1)
		June —, 1917	Morzh.....	(1)
		July —, 1917	Lvitza.....	(1)
		Sept. —, 1917	A. G. No. 14.....	(1)
		Oct. —, 1917	Gepard.....	(1)
		Apr. —, 1918	A. G. 11, 12, 13, and 15.....	(1)
		Feb. —, 1918	Edinerog.....	(1)
		Feb. —, 1911	Ugor.....	(1)
		Mar. 30, 1916	Portugal.....	(1)
3	Hospital ship.....	July 10, 1916	Vperyed.....	(1)
		May —, 1918	Russ.....	(1)
1	Mine layer.....	June 4, 1915	Yenisel.....	2,926
1	Auxiliary cruiser.....	Oct. 20, 1914	Prut.....	5,440
60				

¹ It is impossible to furnish the tonnage on these vessels.

Table 41.—WAR VESSELS LOST BY BELLIGERENTS FROM AUG. 1, 1914, TO OCT. 1, 1916—Continued.

JAPAN.				
No.	Type.	Date.	Name.	Tonnage.
1	Battle cruiser.....	Jan. 1, 1917	Tsukuba.....	(1)
2	Light cruiser.....	July —, 1916	Kasagi.....	(1)
		July —, 1917	Otowa.....	(1)
2	Destroyer.....	Sept. 4, 1914	Shirataye.....	390
		Mar. 25, 1918	Tokitsukaze.....	(1)
1	Torpedo boat.....	Nov. 11, 1914	No. 33.....	82
1	Training ship.....	Oct. 17, 1914	Takachiho.....	3,700
4	Special service.....	Sept. 6, 1914	Nagato Maru No. 6.....	211
		Sept. 30, 1914	Nagato Maru No. 3.....	213
		Oct. 1, 1914	Koyo Maru.....	215
		.....do.....	.....	.....
11				
ITALY.				
2	Battleship.....	Sept. 28, 1915	Benedetto Brin.....	13,215
		Aug. —, 1916	Leonardo da Vinci.....	22,022
		Dec. 11, 1916	Regina Margherita.....	(1)
2	Armored cruiser.....	July 7, 1915	Amalfi.....	9,958
		July 18, 1915	Garibaldi.....	7,234
1	Mining vessel.....	Mar. 24, 1918	Partenope.....	(1)
1	Monitor.....	Nov. 14, 1917	A. Capellini.....	(1)
1	Flotilla leader.....	Nov. 18, 1918	C. Rossari.....	(1)
8	Destroyer.....	May 24, 1915	Turbine.....	325
		Dec. 15, 1915	Intrepido.....	680
		July 10, 1916	Impetuoso.....	675
		Aug. 29, 1916	Audace.....	(1)
		Oct. 16, 1916	Nembo.....	(1)
		May 15, 1917	Borea.....	(1)
		Apr. 10, 1918	B. Cairoli.....	(1)
		July 16, 1918	Garibaldino.....	(1)
4	Torpedo boat.....	June 26, 1915	5 P. N.....	(1)
		July 2, 1915	17 OS.....	(1)
		June —, 1916	Serpente.....	(1)
		Mar. —, 1917	Perseo.....	(1)
8	Submarine.....	June 17, 1915	Medusa.....	241-205
		Aug. 15, 1915	Nereide.....	(1)
		Aug. 10, 1915	Jalea.....	(1)
		July 14, 1916	Balilla.....	(1)
		July —, 1916	G. Pullino.....	(1)
		Mar. 10, 1917	A. Guglielmotti.....	(1)
		Aug. 3, 1917	W-4.....	(1)
		Apr. 16, 1918	H-5.....	(1)
1	Gunboat.....	June —, 1918	Archimede.....	(1)
1	Transport.....	Apr. 7, 1918	Sterope.....	(1)
2	Auxiliary cruiser.....	Jan. 8, 1916	Citta di Palermo.....	3,500
		June 23, 1916	Citta di Messina.....	3,500
31				
PORTUGAL.				
1	River gunboat.....	Feb. —, 1917	Tete.....	(1)
ROUMANIA.				
1	Torpedo boat.....	May 17, 1917	Smeul.....	(1)
GREECE.				
1	Destroyer.....	June 27, 1917	Doxa.....	(1)

¹ It is impossible to furnish the tonnage on these vessels.

Table 41.—WAR VESSELS LOST BY BELLIGERENTS FROM AUG. 1, 1914, TO OCT. 1, 1918—Continued.

UNITED STATES.

No.	Type.	Date.	Name.	Tonnage.
1	Cruiser.....	July 19, 1918	San Diego.....	13,680
2	Destroyer.....	Nov. 19, 1917	Chauncey.....	420
		Dec. 6, 1917	Jacob Jones.....	1,150
1	Gunboat.....	June 21, 1918	Schurz.....	1,630
1	Submarine.....	Dec. 17, 1917	F-1.....	
3	Armed yacht.....	Nov. 5, 1917	Alcedo.....	
		Selzed.....	Scorpion.....	775
		May —, 1918	Wakiva.....	7,000
2	Armed trawler.....	Mar. —, 1918	Bauman.....	
		Oct. —, 1917	Rehoboth.....	
2	Revenue cutter.....	Oct. 1, 1917	Mohawk.....	1,148
		Sept. 27, 1918	Tampa.....	1,181
1	Fuel ship.....	Mar. —, 1918	Cyclops.....	19,360
13				

GERMANY.

1	Battleship.....	May 31, 1916	Pommern.....	12,967
28	Battlecruiser.....	do.....	Lützow.....	28,000
		Aug. 13, 1914	Goeben (sold to Turkey).....	22,635
6	Armored cruiser.....	Nov. 3, 1914	Yorck.....	9,350
		Dec. 8, 1914	Scharnhorst.....	11,420
		do.....	Gneisenau.....	11,420
		Dec. —, 1914	Friedrich Karl.....	8,858
		Jan. 24, 1915	Blücher.....	15,550
		Oct. 23, 1915	Prinz Adalbert.....	8,858
18	Small cruiser.....	Aug. 13, 1914	Breslau (sold to Turkey).....	4,478
		Aug. 27, 1914	Magdeburg.....	4,478
		Aug. 28, 1914	Mainz.....	4,280
		do.....	Koeln.....	4,280
		do.....	Ariadne.....	2,618
		Sept. 13, 1914	Hela.....	2,003
		Nov. 4, 1914	Karlsruhe.....	4,822
		Nov. 9, 1914	Emden.....	3,562
		Dec. 8, 1914	Leipzig.....	3,200
		do.....	Nürnberg.....	3,396
		Mar. 14, 1915	Dresden.....	3,562
		July 11, 1915	Königsberg.....	3,348
		Nov. 7, 1915	Undine.....	2,672
		Dec. 17, 1915	Bremen.....	3,200
		May 31, 1916	Elbing.....	
		do.....	Weisbaden.....	
		do.....	Rostock.....	4,822
		do.....	Frauenlob.....	2,672
1	Light cruiser.....	do.....	Elbang.....	(1)
28	Mining vessel.....	Mar. —, 1917	M-27.....	(1)
		June —, 1917	M-23.....	(1)
		June 11, 1917	M-47.....	(1)
		June —, 1917	M-63.....	(1)
		June 18, 1917	M-31.....	(1)
		July —, 1917	M-9.....	(1)
		July —, 1917	M-56.....	(1)
		July —, 1917	M-14.....	(1)
		July —, 1917	M-15.....	(1)
		June —, 1917	M-16.....	(1)
		May —, 1917	M-24.....	(1)
		May —, 1917	M-26.....	(1)
		May —, 1917	M-49.....	(1)
		June —, 1917	M-12.....	(1)
		Sept. —, 1917	M-68.....	(1)
		Oct. 20, 1917	M-57.....	(1)
		Nov. —, 1917	M-11.....	(1)
		Dec. —, 1917	M-11.....	(1)
		Mar. 10, 1918	M-91.....	(1)
		Mar. —, 1918	M-36.....	(1)
		Mar. —, 1918	M-40.....	(1)
		Apr. —, 1918	M-39.....	(1)
		Apr. —, 1918	M-64.....	(1)
		Apr. —, 1918	M-67.....	(1)
		Apr. —, 1918	M-95.....	(1)
		Oct. —, 1917	F-M-3.....	(1)
		(?)	M-6.....	(1)
		(?)	M-62.....	(1)
		Aug. 1, 1918	M-83.....	(1)

¹ It is impossible to furnish the tonnage on these vessels.

² July or August, 1918.

Table 41.—WAR VESSELS LOST BY BELLIGERENTS FROM AUG. 1, 1914, TO OCT. 1, 1918—Continued.

GERMANY—Continued.

No.	Type.	Date.	Name.	Tonnage.
11	Gunboat.....	Aug. 9, 1914	Moewe.....	640
		Aug. 20, 1914	Hedwick von Wissman.....	300
		Oct. 7, 1914	Planet.....	640
		Nov. 7, 1914	Cormoran.....	1,604
		.....do.....	Ikis.....	886
		.....do.....	Tiger.....	886
		.....do.....	Luchs.....	886
		.....do.....	Jaguar.....	886
		Sept. 5, 1914	Eber.....	(?)
		Nov. 9, 1914	Geier.....	(?)
		Apr. —, 1917	Seeadler.....	(?)
50	Destroyer.....	Aug. 28, 1914	V-187.....	689
		Oct. 6, 1914	S-116.....	477
		Oct. 17, 1914	S-115.....	413
		.....do.....	S-117.....	413
		.....do.....	S-118.....	413
		.....do.....	S-119.....	413
		Oct. 20, 1914	S-90.....	396
		Nov. 7, 1914	Taku.....	276
		Nov. 22, 1914	S-124.....	468
		July 26, 1915	G-196.....	689
		Aug. 19, 1915	.....	.....
		Aug. 22, 1915	.....	.....
		Mar. 25, 1916	G-194.....	689
		May 31, 1916	.....	.....
		.....do.....	.....	.....
		.....do.....	.....	.....
		.....do.....	.....	.....
		.....do.....	.....	.....
		(*)	S-21.....	(?)
		Feb. —, 1915	S-14; V-25.....	(?)
		May —, 1915	V-150.....	(?)
		Sept. 8, 1915	G-12.....	(?)
		July 26, 1915	V-188.....	(?)
		Aug. 19, 1915	V-69.....	(?)
		Aug. —, 1915	S-31.....	(?)
		(*)	S-177.....	(?)
		Dec. 17, 1915	V-191.....	(?)
		Jan. —, 1916	T-125.....	(?)
		Jan. —, 1916	S-13.....	(?)
		Mar. 25, 1916	S-22.....	(?)
		May 31, 1916	V-4, V-27, V-29; S-35.....	(?)
		.....do.....	V-48.....	(?)
		Aug. —, 1916	V-162.....	(?)
		Nov. 16, 1916	S-57.....	(?)
		.....do.....	S-58.....	.....
		.....do.....	S-59.....	.....
		.....do.....	V-76.....	.....
		.....do.....	V-75.....	.....
		Apr. 8, 1917	G-88.....	(?)
		Apr. 21, 1917	G-42, G-85.....	(?)
		May —, 1917	S-17.....	(?)
		June 5, 1917	S-20.....	(?)
		Oct. —, 1918 ⁴	S-15.....	(?)
June —, 1917	V-84.....	(?)		
May 1, 1917	T-129.....	(?)		
Oct. —, 1917	S-64.....	(?)		
Nov. —, 1917	G-37.....	(?)		
Jan. —, 1918	S-16.....	(?)		
Mar. —, 1918	G-96.....	(?)		
Mar. 30, 1918	G-87.....	(?)		
.....do.....	G-93.....	.....	
.....do.....	G-94.....	.....	
May —, 1918	G-9.....	(?)		
July —, 1918	S-62.....	(?)		
July —, 1918	S-66.....	.....	
Oct. —, 1918	T-122.....	(?)		
Oct. —, 1918	G-41.....	(?)		
Oct. —, 1918	V-74.....	(?)		
Nov. 20, 1918	V-30.....	(?)		
June 6, 1915	One.....	.....	

¹ Interned at Bahls, Sept. 5, 1914; burnt and sunk by Germans, Oct. 26, 1917.

² It is impossible to furnish the tonnage on these vessels.

³ Interned at Honolulu.

⁴ Early in war.

⁵ Latter part of 1915.

⁶ At Brugge.

Table 41.—WAR VESSELS LOST BY BELLIGERENTS FROM AUG. 1, 1914, TO OCT. 1, 1916—Continued.

GERMANY—Continued.

No.	Type.	Date.	Name.	Tonnage.	
29	Torpedo boat.....	May 1, 1915	A-2	150	
	do.....	A-6	150	
		June 30, 1915
		Aug. 10, 1915
	do.....
		Aug. 22, 1915	One
		June —, 1916	T-25
		June —, 1916	T-59
		June —, 1916	T-57
		June —, 1917	T-78
		July —, 1917	T-43
		Oct. 6, 1917	T-54
		Oct. —, 1917	T-56
		Nov. —, 1917	T-66
		Nov. 17, 1917	A-43
		Nov. 22, 1917	A-60
		Dec. —, 1917	A-32
		Jan. 19, 1918	A-73
	do.....	A-77
		Feb. 6, 1918	A-10
Apr. —, 1918	A-60	.....	.....
Mar. 1, 1918	A-57	.....	.....
Mar. —, 1918	A-56	.....	.....
Mar. 21, 1918	A-7	.....	.....
.....do.....	A-19	.....	.....
.....do.....	V-107	.....	.....
May —, 1918	A-71	.....	.....
May —, 1918	A-72	.....	.....
Aug. —, 1918	A-79	.....	.....
Aug. 10, 1914	U-15	.....	450	
Nov. 22, 1914	U-18	.....	.....
Mar. 4, 1915	U-8	.....	246-295	
Mar. 10, 1915	U-12	.....	246-295	
Mar. 26, 1915	U-29	.....	.....
June 8, 1915	U-14	.....	.....
July 4, 1915	U-*	.....	.....
Aug. 10, 1915	U-27	.....	840-890	
Nov. 27, 1915	U-*	.....	.....
Apr. 5, 1915	U-*	.....	.....
Apr. 6, 1915	U-*	.....	.....
Apr. 12, 1915	U-*	.....	.....
Apr. 23, 1915	U. C-405	.....	.....
Sept —, 1914	U-13	.....	.....
Dec. —, 1914	U-5	.....	.....
Dec. —, 1914	U-11	.....	.....
Jan. —, 1915	U-7	.....	.....
Mar. —, 1915	U-31	.....	.....
June 23, 1915	U-40	.....	.....
June —, 1915	U-37	.....	.....
July 2, 1915	U. C-2	.....	.....
July 20, 1915	U-23	.....	.....
July 24, 1915	U-36	.....	.....
Aug. 11, 1915	U. B-4	.....	.....
Aug. 22, 1915	U. B-1	.....	.....
Aug. 19, 1915	U-26	.....	.....
Sept. 15, 1915	U-6	.....	.....
Sept. 24, 1915	U-41	.....	.....
Nov. 6, 1915	U. C-8	.....	.....
Oct. 6, 1915	U. C-9	.....	.....
Mar. 17, 1916	U. C-12	.....	.....
Mar. 22, 1916	U-68	.....	.....
Apr. —, 1916	U. B-13	.....	.....
Apr. 24, 1916	U. B-3	.....	.....
Apr. 5, 1916	U. B-26	.....	.....
Apr. 23, 1916	U. C-3	.....	.....
Apr. 27, 1916	U. C-5	.....	.....
May —, 1916	U. B-15	.....	.....
May —, 1916	U-10	.....	.....
May 27, 1916	U-74	.....	.....
July 6, 1916	U. C-10	.....	.....
July 7, 1916	U-77	.....	.....
July 14, 1916	U-51	.....	.....
Aug. 21, 1916	U. C-7	.....	.....
July 30, 1916	U. B. 44	.....	.....
Oct. —, 1916	U. B-7	.....	.....
Oct. —, 1916	U. C-13	.....	.....
Nov. —, 1916	U. C-15	.....	.....

¹ It is impossible to furnish the tonnage on these vessels.
² Date not known.

Table 41.—WAR VESSELS LOST BY BELLIGERENTS FROM AUG. 1, 1914, TO OCT. 1, 1918—Continued.

GERMANY—Continued.

No.	Type.	Date.	Name.	Tonnage.
197	Submarine (continued)	Nov. 2, 1916	U-56.....	()
		Nov. 5, 1916	U-20.....	
		Nov. 30, 1916	U. B-19.....	
		Dec. 4, 1916	U. C-19.....	
		Dec. 6, 1916	U. B-29.....	
		Dec. 16, 1916	U. B-46.....	
		Oct. 30, 1916	U. B-45.....	
		Jan. 14, 1917	U. B-37.....	
		Jan. 26, 1917	U. 76.....	
		Feb. 8, 1917	U. C-39.....	
		.....do.....	U. C-46.....
		Feb. 17, 1917	U-83.....	
		Feb. 23, 1917	U. C-32.....	
		Mar. 10, 1917	U. C-43.....	
		Mar. 12, 1917	U. C-18.....	
		.....do.....	U-85.....
		Mar. 13, 1917	U. B-6.....	
		Apr. 5, 1917	U. C-68.....	
		Apr. 19, 1917	U. C-30.....	
		May 1, 1917	U-81.....	
		May 9, 1917	U. C-26.....	
		May 17, 1917	U. B-39.....	
		May 14, 1917	U-59.....	
		May 24, 1917	U. C-24.....	
		May 20, 1917	U. C-36.....	
		June 7, 1917	U. C-29.....	
		June 12, 1917	U. C-66.....	
		June 20, 1917	U-99.....	
		June —, 1917	U. B-36.....	
		July 12, 1917	U-69.....	
		July 26, 1917	U. C-61.....	
		July 29, 1917	U. B-20.....	
		.....do.....	U. B-27.....
		¹ July 31, 1917	U. B-23.....	
		July —, 1917	U. C-1.....	
		Aug. 4, 1917	U. C-44.....	
		Aug. 12, 1917	U-44.....	
		Aug. 21, 1917	U. C-41.....	
		Aug. 18, 1917	U. B-32.....	
		Sept. 22, 1917	U. C-72.....	
		Sept. 2, 1917	U-28.....	
		Sept. 11, 1917	U-49.....	
		Sept. 12, 1917	U-45.....	
		Sept. 10, 1917	U. C-42.....	
		Sept. 17, 1917	U-82.....	
		Sept. 26, 1917	U. C-33.....	
		Sept. 29, 1917	U. C-55.....	
		Sept. —, 1917	U. C-21.....	
		Sept. 26, 1918	U. C-6.....	
		Oct. —, 1917	U-50.....	
		Oct. 9, 1917	U-106.....	
		Oct. —, 1917	U-66.....	
		Oct. 19, 1917	U. C-79.....	
		Oct. 5, 1917	U. B-10.....	
		Oct. —, 1917	U. C-62.....	
		Oct. —, 1917	U. C-14.....	
		Oct. 23, 1917	U. C-16.....	
		Nov. 1, 1917	U. C-63.....	
		Nov. 3, 1917	U. C-65.....	
		Nov. 17, 1917	U-58.....	
		Nov. 24, 1917	U-48.....	
Nov. 18, 1917	U. B-18.....			
Nov. —, 1917	U. C-57.....			
Dec. 2, 1917	U. B-81.....			
Dec. 13, 1917	U-75.....			
Dec. 15, 1917	U. C-38.....			
Nov. 17, 1917	U. C-47.....			
Nov. 29, 1917	U. B-61.....			
Dec. 25, 1917	U-87.....			
Dec. 10, 1917	U. B-75.....			
Dec. 6, 1917	U. C-69.....			
Dec. 19, 1917	U. B-56.....			
Nov. 13, 1917	U. C-51.....			
Jan. 20, 1918	U. B-35.....			
Jan. 19, 1918	U. B-22.....			
Jan. 7, 1918	U-93.....			
Jan. —, 1918	U-95.....			
Jan. 26, 1918	U-84.....			

¹ It is impossible to furnish the tonnage on these vessels.² Interned at Ferrol.

Table 41.—WAR VESSELS LOST BY BELLIGERENTS FROM AUG. 1, 1914, TO OCT. 1, 1918—Continued.

GERMANY—Continued.

No.	Type.	Date.	Name.	Tonnage.
197	Submarine (continued)....	Jan. 28, 1918	U. B. 63.....	(1)
		Jan. 8, 1918	U. B. 69.....	(1)
		Jan. 18, 1918	U. B. 66.....	(1)
		Jan. 26, 1918	U. 109.....	(1)
		Feb. 4, 1918	U. C. 50.....	(1)
		Feb. 8, 1918	U. B. 38.....	(1)
		Feb. 13, 1918	U. 89.....	(1)
		Feb. 25, 1918	U. B. 17.....	(1)
		Mar. 10, 1918	U. B. 58.....	(1)
		Mar. 15, 1918	U. 110.....	(1)
		Mar. 23, 1918	U. C. 48.....	(1)
		Mar. 11, 1918	U. B. 54.....	(1)
		Apr. 11, 1918	U. B. 23.....	(1)
		Apr. 17, 1918	U. B. 82.....	(1)
		Apr. 21, 1918	U. B. 71.....	(1)
		Apr. 22, 1918	U. B. 55.....	(1)
		Apr. 25, 1918	U. 104.....	(1)
		Mar. 26, 1918	U. 61.....	(1)
		May 8, 1918	U. B. 70.....	(1)
		Apr. 30, 1918	U. B. 85.....	(1)
		May —, 1918	U. 119.....	(1)
		May 2, 1918	U. C. 78.....	(1)
		May 9, 1918	U. B. 78.....	(1)
		May 10, 1918	U. B. 16.....	(1)
		May 11, 1918	U. 154.....	(1)
		May 12, 1918	U. 103.....	(1)
		.....do.....	U. B. 72.....	(1)
		May 16, 1918	U. C. 85.....	(1)
		May 19, 1918	U. 39.....	(1)
		May 23, 1918	U. B. 52.....	(1)
		May 24, 1918	U. C. 56.....	(1)
		May 26, 1918	U. B. 74.....	(1)
		May 31, 1918	U. C. 49.....	(1)
		.....do.....	U. C. 75.....	(1)
		May 2, 1918	U. B. 31.....	(1)
		June 17, 1918	U. 64.....	(1)
		June 20, 1918	U. C. 64.....	(1)
		June 26, 1918	U. C. 11.....	(1)
		July 10, 1918	U. C. 77.....	(1)
		July 19, 1918	U. B. 110.....	(1)
		July —, 1918	U. B. 108.....	(1)
		July 20, 1918	U. B. 124.....	(1)
		July —, 1918	U. B. 65.....	(1)
		July —, 1918	U. B. 107.....	(1)
		May 8, 1918	U. 32.....	(1)
		Aug. 3, 1918	U. B. 53.....	(1)
		Aug. 13, 1918	U. B. 30.....	(1)
		Aug. 28, 1918	U. C. 70.....	(1)
		Aug. 29, 1918	U. B. 109.....	(1)
		Aug. —, 1918	U. B. 57.....	(1)
		Aug. —, 1918	U. B. 12.....	(1)
		Sept. —, 1918	U. 92.....	(1)
		Sept. —, 1918	U. B. 83.....	(1)
Sept. —, 1918	U. B. 103.....	(1)		
Sept. —, 1918	U. B. 104.....	(1)		
Sept. —, 1918	U. B. 113.....	(1)		
Sept. —, 1918	U. B. 115.....	(1)		
Sept. —, 1918	U. B. 127.....	(1)		
Sept. —, 1918	U. 102.....	(1)		
Sept. —, 1918	U. 156.....	(1)		
Oct. 4, 1918	U. B. 68.....	(1)		
Oct. 16, 1918	U. B. 90.....	(1)		
Oct. 28, 1918	U. 78.....	(1)		
.....do.....	U. B. 116.....	(1)		
(1)	U. B. 40.....	(1)		
(1)	U. B. 10.....	(1)		
(1)	U. B. 59.....	(1)		
(1)	U. C. 4.....	(1)		
6	Mine layer.....	Oct. —, 1918	U. B. 123.....	(1)
		Aug. 5, 1914	Königin Luise.....	2, 163
		Nov. 7, 1914	Rufin.....	(1)
		Dec. —	.....	(1)
		July 2, 1915	Albatross.....	2, 165
		Aug. 8, 1915	Meteor.....	3, 613
Aug. —, 1915	Aachen.....	(1)		

1 It is impossible to furnish the tonnage on these vessels.
 2 Interned Cartagena.
 3 Interned Santander.
 4 Destroyed at evacuation of Flanders.

Table 41.—WAR VESSELS LOST BY BELLIGERENTS FROM AUG. 1, 1914, TO OCT. 1, 1916—Continued.

GERMANY—Continued.

No.	Type.	Date.	Name.	Tonnage.		
20	Auxiliary cruiser.....	Aug. 15, 1914	Sudmark.....	5,113		
		Aug. —, 1914	Prince Adalbert.....	6,080		
		Aug. 26, 1914	Kaiser Wilhelm der Grosse.....	13,982		
		Sept. 7, 1914	Bethania.....	7,548		
		Sept. 12, 1914	Spreewald.....	3,899		
		Sept. 14, 1914	Cap Trafalgar.....	18,710		
		Sept. —, 1914	Max Brock.....	4,579		
		Sept. 24, 1914	Itolo.....	299		
		.....do.....	Rhios.....	150	
		Oct. 1, 1914	Soden.....	150		
		Oct. 8, 1914	Gneisenau.....	8,185		
		Oct. 16, 1914	Græcia.....	2,753		
		Oct. 16, 1914	Markomannia.....	4,505		
		Oct. 16, 1914	Comet.....	977		
		Nov. 11, 1914	Navarra.....	5,794		
		Jan. 6, 1915	Eleonore Woermann.....	4,624		
		Apr. 30, 1915	Macedonia.....	4,347		
		Dec. 26, 1915	Kingani.....			
		Feb. 29, 1916	Greif.....	1,165		
		June 13, 1916	Herzman.....			
		2	Survey ship.....	Aug. 14, 1914	Mowe.....	()
				Oct. 7, 1914	Planet.....	()
		16	Armed auxiliary.....	Nov. —, 1914	Titania.....	()
Nov. 17, 1914	Berlin.....			()		
	Cormoran ¹			()		
	Kronprinz Wilhelm ²			()		
	Prinz Eitel Friedrich ³			()		
	Meteor ⁴			()		
July —, 1917	Pallanza.....			()		
July —, 1917	Sao Paulo.....			()		
Aug. 23, 1917	Seeadler.....			()		
.....1918	Niederwald.....			()		
.....1918	Brugge.....			()		
.....1918	König Albert ⁵			()		
Aug. 5, 1914	Königin Luise (mine layer).....			()		
	Moltke ⁶			()		
	Rhaenania ⁷			()		
	Santa Fe (seaplane depot ship) ⁸			()		
	Seydlitz ⁹	()				
	Ophelia.....	()				
1	Hospital ship.....	Dec. 21, 1915				
398						

¹ It is impossible to furnish the tonnage on these vessels.
² Captured from Russians (late Rissan). Interned at Guam, Dec. 14, 1914. Was partially blown up seized by United States.
³ Interned at Philadelphia. Since taken over by United States.
⁴ Armed auxiliary and mine layer; blown up by crew in North Sea to avoid capture Aug. 9, 1915.
⁵ Sequestered by Italy. Employed as an Italian hospital ship under name of Fernando Palasciano.
⁶ Sequestered by Italy; renamed Pesaro.
⁷ Sequestered by Italy; renamed Feltra.
⁸ Interned at Rotterdam November, 1918.
⁹ Interned at Bahia Bianca; decree of Jan. 22, 1915.

Table 41.—WAR VESSELS LOST BY BELLIGERENTS FROM AUG. 1, 1914, TO OCT. 1, 1916—Continued.

AUSTRIA-HUNGARY.

No.	Type.	Date.	Name.	Tonnage.	
3	Battleship.....	June 10, 1916	Szent Istvan.....	(1)	
		Dec. 10, 1917	Wien.....	(1)	
		Nov. 1, 1918	Viribus Unitis.....	(1)	
2	Cruiser.....	Aug. 16, 1914	Zenta.....	2,264	
		Nov. 7, 1914	Kaiserin Elizabeth.....	3,937	
1	River monitor.....	Oct. 23, 1914	Termes.....	433	
1	Training ship.....	Dec. 17, 1914	Beethoven.....	(1)	
5	Destroyer.....	Dec. 29, 1915	Triglav.....	787	
		do.....	Lika.....	787	
5	Torpedo boat.....	June —, 1917	Wildfang.....	(1)	
		May 27, 1918	One.....	(1)	
		Aug. 23, 1914	25.....	(1)	
		Aug. 18, 1914	No. 19.....	(1)	
		Mar. —, 1916	22.....	(1)	
12	Submarine ¹	Oct. 5, 1917	11.....	(1)	
		May 13, 1918	One.....	(1)	
		Sept. 5, 1918	One.....	(1)	
		May 27, 1915	Reported lost.	(1)	
29		July 1, 1915	U-11.....	645-660	
		Aug. 11, 1915	U-12.....	(1)	
		Aug. 13, 1915	U-3.....	233-295	
		Aug. 12, 1915	III.....	(1)	
		Aug. 11, 1915	XII ²	(1)	
		May 13, 1916	VI.....	(1)	
		Oct. 16, 1916	XVI.....	(1)	
		Dec. 17, 1916	X.....	(1)	
		Apr. —, 1917	XXX.....	(1)	
		Feb. 21, 1918	XXXIII.....	(1)	
				XXIX.....	(1)

TURKEY.

2	Battleship.....	Dec. 14, 1914	Mussudiyeh.....	10,000
		Aug. 8, 1915	Barbarossa.....	9,100
1	Cruiser.....	Apr. 3, 1915	Mejdieh.....	3,330
1	Light cruiser.....	Jan. 20, 1918	Midlili (ex Breslau).....	(1)
1	Armed auxiliary.....		Rodosto ⁴	(1)
13	Gunboat.....	Oct. 31, 1914	Burak Reis.....	502
		Dec. —, 1914	Issa Reis.....	:20
		Jan. 21, 1915		
		Apr. 8, 1915		
		do.....		
		May 3, 1915		
		May 24, 1915	Pelenk-I-Derib.....	586
		June 1, 1915	Marmaris.....	492
		Dec. 10, 1915	Doruk Reis.....	502
		do.....	Malatia.....	210
do.....	Tash Kupru.....	(1)		
do.....	Yozgad.....	(1)		
do.....	Nour-El-Bahir.....	(1)		
1	Torpedo vessel.....	May 23, 1915	Pelenki Derya.....	(1)
3	Destroyer.....	May —, 1915	Yadikar Millet.....	610
		May —, 1917	Gyret I Vatanive.....	(1)
6	Torpedo boat.....	Dec. 3, 1915	Yarhisar.....	294
		Feb. —, 1915		
		Apr. 17, 1915	Demir Hissar.....	97
		Sept. —, 1916	One (Kutahaya class).....	(1)
		Dec. —, 1918	Two.....	(1)
2	German submarine with Turkish fleet.....	Oct. 20, 1917	Hamid Abad.....	(1)
		Jan. 10, 1916	One.....	(1)
2	Mine layer.....	Oct. —, 1916	U. B. 7.....	(1)
		Nov. —, 1914	Nilufer.....	(1)
		Aug. 19, 1915	Samsun.....	(1)
32				

¹ It is impossible to furnish the tonnage on these vessels.

² Several reports have been received in regard to losses of German and Austrian submarines. It is impossible to determine definitely how many have been destroyed.

³ Subsequently raised by Italians.

⁴ Captured by Russia and taken to Sevastopol.

Table 42.—ARMOR CONTRACTS, BETHLEHEM STEEL CO.

[Information furnished by the Bureau of Ordnance, Navy Department.]

Vessels.	Act of authorization.	Date of contract.	Amount.	Cost per ton, including royalties.	Present status of contract.
Amphitrite.....	Mar. 3, 1887	June 1, 1887	<i>Tons.</i> 237.17	\$604.85	Completed.
Puritan.....	do.	do.	1,126.46	604.85	Do.
Texas (old).....	do.	do.	1,064.77	604.85	Do.
Maine (old).....	do.	do.	1,221.00	604.85	Do.
Monterey.....	do.	do.	174.26	604.85	Do.
Oregon.....	June 30, 1890	Mar. 1, 1893	899.74	646.41	Do.
Massachusetts.....	do.	June 1, 1887	2,191.25	604.85	Do.
Brooklyn.....	July 19, 1892	Mar. 1, 1893		646.41	
Iowa.....	do.	do.	40.73	646.41	Do.
Kearsarge.....	Mar. 2, 1895	June 1, 1896	791.63	646.41	Do.
Alabama.....	June 10, 1896	June 9, 1898	2,830.00	547.96	Do.
Illinois.....	do.	June 3, 1898	2,539.00	411.20	Do.
Maine (new).....	May 4, 1898	Nov. 28, 1900	1,406.00	411.20	Do.
Ohio.....	do.	do.	2,419.00	453.00	Do.
Florida (old).....	do.	do.	1,213.00	411.20	Do.
Cheyenne (formerly Wyoming).....	do.	Oct. 4, 1899	541.44	411.20	Do.
Virginia.....	Mar. 8, 1899	Nov. 28, 1900	541.44	411.20	Do.
Nebraska.....	do.	do.	1,948.00	453.00	Do.
Georgia.....	do.	do.	3,332.00	411.20	Do.
Pennsylvania (old).....	do.	do.	3,332.00	453.00	Do.
West Virginia.....	do.	do.	1,908.00	411.20	Do.
Colorado.....	do.	do.	1,908.00	453.00	Do.
Maryland.....	June 7, 1900	do.	954.00	411.20	Do.
St. Louis.....	do.	do.	954.00	411.20	Do.
St. Louis.....	do.	do.	365.00	453.00	Do.
Milwaukee.....	do.	do.	731.00	411.20	Do.
Louisiana.....	do.	do.	731.00	453.00	Do.
Louisiana.....	July 1, 1902	Feb. 28, 1903	3,542.00	411.20	Do.
Washington.....	do.	do.	2,190.00	453.00	Do.
Kansas.....	do.	do.	2,190.00	411.20	Do.
Kansas.....	Mar. 3, 1903	Dec. 31, 1903	1,772.00	453.00	Do.
Minnesota.....	do.	do.	3,543.00	411.20	Do.
New Hampshire.....	do.	do.	3,543.00	453.00	Do.
New Hampshire.....	Apr. 27, 1904	Apr. 1, 1905	3,038.00	411.20	Do.
North Carolina.....	do.	do.	3,038.00	453.00	Do.
North Carolina.....	do.	do.	1,021.00	411.20	Do.
South Carolina.....	do.	do.	1,021.00	453.00	Do.
South Carolina.....	Mar. 3, 1905	Aug. 10, 1906	1,794.00	345.89	Do.
Delaware.....	June 20, 1907	Aug. 15, 1907	2,158.00	417.65	Do.
North Dakota.....	Mar. 2, 1907	do.	1,382.00	416.54	Do.
Florida.....	May 13, 1908	Jan. 20, 1909	1,983.00	422.36	Do.
Utah.....	do.	do.	1,154.00	421.99	Do.
Arkansas.....	Mar. 3, 1909	Sept. 27, 1909	3,946.00	424.25	Do.
Wyoming.....	do.	do.	648.00	440.69	Do.
Texas.....	June 24, 1910	Feb. 17, 1911	2,257.00	432.97	Do.
New York.....	do.	June 13, 1911	2,212.00	430.64	Do.
Oklahoma.....	Mar. 4, 1911	Jan. 15, 1912	1,899.00	420.80	Do.
Nevada.....	do.	do.	480.00	460.00	Do.
Nevada.....	do.	do.	3,124.00	508.00	Do.
Pennsylvania.....	do.	do.	3,124.00	454.00	Do.
Pennsylvania.....	Aug. 22, 1912	Mar. 1, 1913	2,666.00	406.00	Do.
Idaho.....	do.	do.	2,666.00	518.00	Do.
Idaho.....	do.	do.	425.00	486.00	Do.
New Mexico.....	June 30, 1914	Nov. 6, 1914	16,256.00	466.00	Do.
New Mexico.....	do.	do.		376.00	
California.....	do.	do.	60.00	395.00	75 per cent.
Tennessee.....	Mar. 3, 1915	Apr. 11, 1916	60.00	425.00	
Lexington.....	do.	do.	do.	486.00	No per cent.
Saratoga.....	Aug. 29, 1916	Apr. 27, 1917	6,770.00	460.00	
Saratoga.....	do.	do.	do.	395.00	No per cent.
Saratoga.....	do.	do.	do.	785.00	
Saratoga.....	do.	do.	do.	420.00	No per cent.
Saratoga.....	do.	do.	do.	485.00	
Colorado.....	do.	Dec. 28, 1916	16,021.23	466.00	65 per cent.
Washington.....	do.	do.		395.00	
Washington.....	do.	do.	do.	787.00	65 per cent.

Table 43.—ARMOR CONTRACTS, CARNEGIE STEEL CO.

[Information furnished by the Bureau of Ordnance, Navy Department.]

Vessels.	Act of authorization.	Date of contract.	Amount.	Cost per ton including royalties.	Present status of contract.
Arkansas (old).....	May 4, 1898	Aug. 30, 1899	<i>Tons.</i> 538.00	\$411.20	Completed.
Nevada (old).....	do.	do.	538.00	411.20	Do.
Virginia.....	Mar. 3, 1899	Nov. 26, 1900	1,384.00	411.20 453.00	Do.
West Virginia.....	do.	do.	954.00	411.20 453.00	Do.
California.....	do.	do.	1,908.00	411.20 453.00	Do.
New Jersey.....	June 7, 1900	do.	3,332.00	411.20 453.00	Do.
Rhode Island.....	do.	do.	3,332.00	411.20 453.00	Do.
Maryland.....	do.	do.	954.00	411.20 453.00	Do.
South Dakota.....	do.	do.	1,908.00	411.20 453.00	Do.
St. Louis.....	do.	do.	365.00	411.20 453.00	Do.
Charleston.....	do.	do.	731.00	411.20 453.00	Do.
Connecticut.....	July 1, 1902	Feb. 28, 1903	3,542.00	411.20 453.00	Do.
Tennessee.....	do.	do.	2,190.00	411.20 453.00	Do.
Vermont.....	Mar. 3, 1903	Jan. 9, 1904	3,543.00	411.20 453.00	Do.
Kansas.....	do.	do.	1,772.00	411.20 453.00	Do.
Montana.....	Apr. 27, 1904	Apr. 3, 1905	1,921.00	411.20 453.00	Do.
South Carolina.....	Mar. 3, 1905	Aug. 13, 1906	1,865.00	345.95	Do.
Delaware.....	June 20, 1906	July 22, 1907	2,491.00	416.35	Do.
North Dakota.....	Mar. 2, 1907	do.	1,047.00	418.36	Do.
Florida.....	May 13, 1908	Jan. 6, 1909	977.00	422.20	Do.
Utah.....	do.	do.	2,176.00	423.07	Do.
Arkansas.....	Mar. 3, 1909	Sept. 13, 1909	1,098.00	420.00	Do.
Wyoming.....	do.	do.	3,506.00	420.68	Do.
Texas.....	June 24, 1910	Feb. 10, 1911	2,207.00	431.44	Do.
New York.....	do.	May 26, 1911	2,323.00	426.60	Do.
Nevada.....	Mar. 4, 1911	Jan. 15, 1912	4,540.00	420.00 480.00	Do.
Oklahoma.....	do.	do.	591.00	460.00 508.00	Do.
Pennsylvania.....	Aug. 22, 1912	Mar. 1, 1913	2,683.00	454.00 496.00	Do.
Amphitrite.....	Mar. 3, 1887	Nov. 20, 1890	427.00	574.00	Do.
Monadnock.....	do.	do.	675.00	574.00	Do.
Terror.....	do.	do.	629.00	574.00	Do.
Monterey.....	do.	do.	532.00	574.00	Do.
New York (old).....	Sept. 7, 1888	do.	517.00	574.00	Do.
Olympia.....	do.	do.	227.44	599.04	Do.
Cincinnati.....	do.	do.	47.00	599.04	Do.
Raleigh.....	do.	do.	47.00	599.04	Do.
Montgomery.....	do.	do.	22.00	599.04	Do.
Detroit.....	do.	do.	22.00	599.04	Do.
Marblehead.....	do.	do.	20.00	599.04	Do.
Machias.....	Mar. 2, 1889	do.	20.85	599.04	Do.
Castine.....	do.	do.	21.00	599.04	Do.
Columbia.....	June 30, 1890	do.	76.64	599.04	Do.
Katahdin.....	do.	do.	775.00	574.00	Do.
Oregon.....	do.	do.	1,867.00	574.00	Do.
Massachusetts.....	do.	do.	582.00	574.00	Do.
Indiana.....	do.	Feb. 28, 1893	2,316.00	671.00	Do.
Minneapolis.....	Mar. 2, 1891	June 1, 1897	480.00	605.00	Do.
Iowa.....	July 19, 1892	Mar. 1, 1893	75.68	646.00	Do.
Brooklyn.....	do.	Nov. 20, 1890	661.00	671.00	Do.
Nashville.....	Mar. 3, 1893	Feb. 11, 1895	37.00	671.00	Do.
Helena.....	do.	do.	29.00	208.15	Do.
Wilmington.....	do.	do.	29.00	304.64	Do.
Kentucky.....	do.	do.	89.00	807.61	Do.
Illinois.....	Mar. 2, 1905	June 1, 1896	2,830.00	652.50	Do.
Wisconsin.....	June 10, 1896	June 9, 1898	1,153.00	411.00	Do.
	do.	do.	2,569.00	411.20	Do.

Table 43.—ARMOR CONTRACTS, CARNEGIE STEEL CO.—Continued.

Vessels.	Act of authorization.	Date of contract.	Amount.	Cost per ton, including royalties.	Present status of contract.
Ohio.....	May 4, 1898	Nov. 26, 1900	1,214.00	Tons. \$411.20 453.00	Completed.
Missouri.....	do.....	do.....	2,409.00	411.20 453.00	
Tennessee.....	Mar. 3, 1915	Apr. 7, 1916	15,901.29	456.00	Do.
California.....				423.00	
Maryland.....	Aug. 29, 1916	Jan. 3, 1917	15,901.20	423.00	75 per cent.
West Virginia.....	do.....	do.....		498.00	
Constellation.....	do.....	Apr. 11, 1917	6,710.00	460.00	No per cent.
Ranger.....	do.....	do.....		423.00	
				423.00	
				498.00	
				460.00	
				423.00	
				423.00	
				498.00	
				460.00	
				423.00	
				423.00	

Table 44.—ARMOR CONTRACTS, MIDVALE STEEL CO.

[Information furnished by the Bureau of Ordnance, Navy Department.]

Vessels.	Act of authorization.	Date of contract.	Amount.	Cost per ton, including royalties.	Present status of contract.
Mississippi.....	Mar. 3, 1908	Dec. 15, 1908	3,080.00	Tons. \$385.00 398.00	Completed.
Idaho.....	do.....	do.....	3,080.00	385.00 398.00	
New Hampshire.....	Apr. 27, 1904	Apr. 5, 1905	504.00	398.00	Do.
North Carolina.....	do.....	do.....	269.00	385.00 398.00	Do.
Montana.....	do.....	do.....	269.00	385.00 398.00	Do.
Michigan.....	Mar. 3, 1905	Aug. 6, 1906	3,666.00	345.92	Do.
North Dakota.....	Mar. 3, 1907	Aug. 29, 1907	2,359.00	416.56	Do.
Florida.....	May 13, 1908	Jan. 14, 1909	1,748.00	420.78	Do.
Utah.....	do.....	do.....	1,380.00	418.31	Do.
Arkansas.....	Mar. 3, 1900	Sept. 10, 1909	1,445.00	422.19	Do.
Wyoming.....	do.....	do.....	2,341.00	421.91	Do.
Texas.....	June 24, 1910	Feb. 20, 1911	2,274.00	426.71	Do.
New York.....	do.....	June 2, 1911	2,262.00	426.05 420.00	Do.
Oklahoma.....	Mar. 4, 1911	Jan. 15, 1912	5,189.00	480.00 460.00 508.00	Do.
Pennsylvania.....	Aug. 22, 1912	Mar. 1, 1913	2,723.00	454.00 518.00 498.00	Do.
Arizona.....	Mar. 4, 1913	Nov. 17, 1913	7,739.00	440.00 504.00	Do.
Mississippi.....	do.....	May 20, 1914	252.00	471.00 426.00	Do.
Mississippi.....	June 30, 1914	Nov. 7, 1914	8,128.00	486.00 466.00 376.00	Do.
Tennessee.....	Mar. 3, 1915	Apr. 12, 1916	60.00	376.00	Do.
California.....				426.00	
Maryland.....	Aug. 29, 1916	Jan. 3, 1917	58.00	426.00 426.00	80 per cent.
Constellation.....	do.....	Apr. 18, 1917	3,383.70	486.00 460.00 385.00	No per cent.

Table 45.—ARMOR CONTRACTS, CARBON STEEL CO.

[Information furnished by the Bureau of Ordnance, Navy Department.]

Vessels.	Act of authorization.	Date of contract.	Amount.	Cost per ton, including royalties.	Present status of contract.
Arizona.....	Mar. 4, 1913	Oct. 19, 1913	Tons. 161.00	\$448.00	Completed.

1 Class C steel.

Table 46.—ARMOR CONTRACTS, PITTSBURGH SCREW & BOLT CO.

[Information furnished by the Bureau of Ordnance, Navy Department.]

Vessels.	Act of authorization.	Date of contract.	Amount.	Cost per ton, including royalties.	Present status of contract.
Maryland.....	Aug. 29, 1866	Mar. 8, 1917	Tons. 2.00	\$2,240.00 548.00	Completed.
West Virginia.....	do.....	do.....	60.00	\$2,240.00	Do.
Constellation.....	do.....	Apr. 12, 1917	30.00	\$2,240.00 548.00	No per cent.
Ranger.....	do.....	do.....	30.00	\$2,240.00 548.00	Do.
Constitution.....	Mar. 4, 1917	do.....	1.38	\$2,240.00	Do.

¹ Bronze tap bolts.

Table 47.—PRICES PAID FOR ARMOR BY PRINCIPAL NAVAL POWERS.

[Information furnished by the Bureau of Ordnance, Navy Department.]

Countries.	Turret armor.	Krupp side armor.
Japan.....	\$490.00	\$490.00
Austria.....	1 729.00	1 511.00
Italy.....	1 444.00	1 405.00
Germany.....		490.00
France.....	1 598.00	1 460.00
England.....	1 671.00	1 503.00
Russia.....	1 510.00	1 288.00
United States.....	496.00	425.00

¹ Same as in last Yearbook; no new information.

NOTE.—Due to the European war, general information regarding naval matters of the belligerents is not obtainable; therefore this table is published as it appeared in the Yearbook for 1914.

Table 48.—NAVY FUEL.

[Furnished by the Bureau of Supplies and Accounts, Navy Department.]

The necessity for maximum steaming radius and compact design in boilers with limited combustion spaces requires that special care be exercised in the selection of suitable coals for naval use afloat. An acceptable list of mines known to produce coal which is satisfactory for the purpose is kept, and, in addition to the general characteristics of the mine from which the coal is furnished being known, each delivery must meet the following specifications:

Coal to be best quality steaming semibituminous, run of mine, with at least 40 per cent lump, suitable and acceptable for the uses of the naval service.

Coal must be dry and practically free from slate, dirt, sulphur, and other impurities, subject to the usual inspection and test, and must weigh 2,240 pounds per ton, the weight to be determined in a manner satisfactory to the Government.

With reference to the quality of fuel oil and gasoline required for the naval service, the following specifications are furnished:

FUEL OIL.

(a) Fuel oil shall be a hydrocarbon oil of best quality, free from grit, acid, and fibrous or other foreign matter likely to clog or injure the burners of valves, and shall, if required by the Navy Department, be strained by being drawn through filters of wire gauze having 16 meshes to the inch. The clearance through the strainer shall be at least twice the area of the suction pipe, and strainers shall be in duplicate.

(b) The unit of quantity to be the barrel of 42 gallons of 231 cubic inches at a standard temperature of 60° F. For every decrease or increase of temperature of 10° F. (or proportion thereof) from the standard 0.4 or 1 per cent (or prorated percentage) shall be added or deducted from the measured or gauged quantity for correction.

(c) The flash point shall not be lower than 150° F. as a minimum (Abel or Pennsky-Marten's closed cup) or 175° F. (Tagliabue open cup). In case of oils having a

viscosity greater than 8 Engler at 150° F., the flash point (closed cup) shall not be below the temperature at which the oil has a viscosity of 8 Engler.

(d) Viscosity shall not be greater than 40 Engler at 70° F.

(e) Water and sediment not over 1 per cent. If in excess of 1 per cent, the excess to be subtracted from the volume; or the oil may be rejected.

(f) Sulphur not over 1.5 per cent.

NOTE.—If the Engler viscosimeter is not available, the Saybolt standard universal viscosimeter may be used. Equivalent viscosities: 8 Engler=300 seconds Saybolt; 40 Engler=1,500 seconds Saybolt.

GASOLINE.

Gasoline to be high grade, refined, and free from water and all impurities, and shall have a vapor tension not greater than 10 pounds per square inch at 100° F. temperature, same to be determined in accordance with the current "Rules and Regulations for the Transportation of Explosives and other Dangerous Articles by Freight" as issued by the Interstate Commerce Commission.

Table 49.—CONSUMPTION OF FUEL IN FISCAL YEARS 1906 TO 1918, INCLUSIVE.

Years.	Coal.		Fuel oil.		Gasoline.		
	Tons.	Barrels.	Barrels.	Gallons.	Tons.	Barrels.	Gallons.
1906.....	436,654				1913.....	658,813	361,783
1907.....	521,990				1914.....	714,834	488,539
1908.....	618,085				1915.....	700,674	521,382
1909.....	813,615				1916.....	802,165	842,492
1910.....	651,241				1917.....	825,737	1,576,765
1911.....	744,423	137,587			1918.....	1,581,672	4,994,367
1912.....	729,903	338,826					9,940,905

During the fiscal year 1917 (from July 1, 1916, to June 30, 1917), there was consumed by vessels of the Navy 825,737 tons of coal, 1,576,765 barrels of fuel oil, and 936,587 gallons of gasoline.

During the fiscal year 1918 (from July 1, 1917, to June 30, 1918) there was consumed by vessels of the Navy 1,581,672 tons of coal, 4,994,367 barrels of fuel oil, and 9,940,905 gallons of gasoline.

The quantities of fuel consumed afloat during the fiscal years beginning 1906 are shown in the table following:

Table 50.—FUEL ORDERED UNDER CONTRACT AND PURCHASED BY SHIPS IN OPEN MARKET DURING FISCAL YEAR 1917; ALSO FUEL ORDERED UNDER NAVY ORDERS AND PURCHASED BY SHIPS IN OPEN MARKET DURING FISCAL YEAR 1918.

FISCAL YEAR 1917.

	Coal.		Fuel oil.		Gasoline.	
	Tons.	Value.	Barrels.	Value.	Gallons.	Value.
Atlantic coast station (under bureau contracts).....	1,191,764	\$3,401,020.30	1,676,882	\$2,104,715.06	952,840	\$217,620.53
Pacific coast and Honolulu.....			353,724	343,342.30	483,085	85,634.93
Asiatic stations.....	59,605	271,321.96	428	1,530.35	74,968	33,236.51
Naval vessels.....	71,128	546,762.60	48,554	79,524.82	427,025	101,089.02
Total.....	1,382,102	4,219,104.86	2,079,588	2,529,212.53	1,937,918	437,580.99

FISCAL YEAR 1918.

Atlantic coast stations (under Navy orders).....	2,946,832	\$16,560,174.65	4,112,190	\$8,409,346.91	11,647,113	\$2,579,817.55
Pacific coast and Honolulu.....			487,976	565,794.86	506,291	97,112.19
Asiatic stations.....	98,171	591,813.84	1,137	4,179.75	46,000	21,275.00
Naval vessels.....	125,765	1,302,053.75	84,957	187,457.95	641,524	159,422.19
Total.....	3,170,768	18,454,042.04	4,686,260	9,166,779.47	12,840,928	2,857,626.93

Table 51.—DELIVERIES OF COAL FROM PRINCIPAL SHORE STATIONS DURING FISCAL YEARS 1917 AND 1918.

[Including issues for yard and other purposes.]

ATLANTIC STATIONS.

Yards and stations.	Fiscal year 1917.		Fiscal year 1918.	
	Tons.	Value.	Tons.	Value.
Portsmouth.....	30,932.58	\$151,965.18	46,437.92	\$277,238.83
Boston.....	69,033.06	332,519.40	154,550.06	942,856.56
Melville.....	54,199.50	163,747.26	82,839.98	420,496.85
New London.....	1,796.50	5,271.97	1,397.50	4,269.56
New York.....	117,602.86	407,060.67	744,792.11	3,741,728.79
Philadelphia.....	80,033.84	245,406.42	118,505.75	522,767.63
Washington.....	42,485.10	127,267.88	56,869.19	228,920.53
Annapolis.....	19,257.69	61,152.72	24,058.89	120,787.75
Norfolk.....	206,249.29	457,586.94	792,751.55	3,504,135.93
Charleston.....	17,107.85	64,657.61	38,348.32	191,288.71
Pensacola.....	6,462.43	20,748.06	6,879.58	28,913.82
Key West.....	19,315.50	118,019.96	17,519.97	180,277.90
New Orleans.....	5,394.34	19,202.52	4,697.38	14,161.69
Guantanamo.....	40,062.50	167,102.56	17,318.75	140,243.73
Azores Islands.....			18,200.00	127,400.00
Bermuda Islands.....			46,361.00	504,871.29
St. Johns, Newfoundland.....			1,203.50	4,669.58
St. Thomas, Virgin Islands.....			1,065.50	11,763.12
Halifax, Nova Scotia.....			28,775.00	327,747.25
Rio de Janeiro, Brazil.....			10,454.00	241,905.86
Bahia, Brazil.....			2,288.00	52,481.82
Montevideo, Uruguay.....			5,386.00	132,711.04
Total, Atlantic stations.....	711,933.04	2,341,808.85	2,220,679.95	11,721,587.64

PACIFIC AND MID-PACIFIC STATIONS.

San Diego.....	29,623.00	316,887.25	16,384.00	172,144.52
Tiburon.....	39,555.67	354,963.59	29,769.88	367,937.08
Mare Island.....	9,948.00	86,675.77	3,969.95	41,632.97
Honolulu—Pearl Harbor.....	22,204.11	202,805.50	40,923.23	392,711.20
Sitka.....	565.00	6,348.65	96.00	1,024.32
Puget Sound.....	19,042.72	167,809.05	11,070.27	80,023.52
Tutula.....	1,676.90	14,993.56	2,562.22	16,582.04
Guam.....	7,965.52	36,803.79	6,298.27	37,802.23
Total, Pacific and Mid-Pacific stations.....	130,510.92	1,187,187.16	111,093.82	1,109,857.88

ASIATIC STATIONS.

Yokohama.....	22,990.00	106,465.32	4,961.00	69,754.80
Cavite.....	41,071.04	241,895.16	53,989.50	327,519.87
Olongapo.....	21,294.40	109,936.79	17,187.68	91,955.07
Total, Asiatic stations.....	85,355.44	458,297.27	76,138.18	489,229.74

RECAPITULATION.

Atlantic stations.....	711,933.04	2,341,808.85	2,220,679.95	11,721,587.64
Pacific and mid-Pacific stations.....	130,510.92	1,187,187.16	111,093.82	1,109,857.88
Asiatic stations.....	85,355.44	458,297.27	76,138.18	91,955.07
Grand total, all stations.....	927,799.40	3,987,293.28	2,407,911.95	12,923,400.59

¹ In addition to this quantity there was a total of 694,969.45 tons, valued at \$1,638,020.67, delivered to chartered vessels and naval colliers for distribution to other yards and stations and vessels of the Fleet.

² In addition to this quantity there was a total of 1,317,153.76 tons, valued at \$5,815,160.24, delivered to chartered vessels and naval colliers for distribution to other yards and stations and vessels of the Fleet.

³ In addition to this quantity there was a total of 60,980 tons, valued at \$543,766.32, issued to naval colliers for distribution to other yards and stations and vessels of the Fleet.

⁴ In addition to this quantity there was a total of 19,655.55 tons, valued at \$210,285.27, delivered to naval colliers for distribution to other yards and stations and vessels of the Fleet.

⁵ In addition to this quantity there was a total of 6,631 tons, valued at \$34,810.75, delivered to naval colliers for distribution to other stations and vessels of the Fleet.

⁶ In addition to this quantity there was a total of 23,419 tons, valued at \$156,233.43, delivered to naval colliers for distribution to other yards and stations and vessels of the Fleet.

Table 52.—STEAMING COAL ON HAND AT NAVY YARDS AND NAVAL STATIONS UNDER DATES OF JUNE 30, 1917, AND JUNE 30, 1918; ALSO NORMAL CAPACITY OF EACH STATION.

Yards and stations.	Fiscal year 1917.		Fiscal year 1918.		Normal capacity (tons).
	Tons.	Value.	Tons.	Value.	
Annapolis.....	2,039.45	88,446.46	2,523.68	\$14,266.00	2,400
Boston.....	13,709.63	78,541.82	97,049.49	443,402.31	10,000
Cavite.....	41,138.95	213,352.01	55,140.57	509,122.50	106,800
Charleston.....	11,633.88	41,923.75	8,209.64	44,080.55	5,000
Guam.....	2,747.32	13,275.48	3,247.01	21,255.56	7,780
Guantanamo.....	22,671.25	179,306.18	17,841.19	106,397.55	21,000
Honolulu—Pearl Harbor.....	56,639.27	521,663.03	15,126.04	140,292.36	200,000
Key West.....	3,296.60	23,686.56	5,384.00	76,712.61	12,786
Marine Island.....	1,614.00	14,814.76	692.55	8,413.97	18,660
Melville.....	45,881.00	238,655.52	40,954.00	169,635.57	42,000
New London.....	1,397.50	4,111.94			7,443
New Orleans.....	223.00	662.31	3,894.62	11,806.13	4,464
New York.....	4,822.32	19,362.70	45,831.12	205,775.98	6,925
Norfolk.....	8,616.30	28,225.94	45,365.32	209,798.96	12,660
Olongapo.....	5,955.26	30,795.91	13,349.58	71,318.76	15,000
Pensacola.....	714.93	2,154.65	1,262.41	4,564.44	4,985
Philadelphia.....	4,239.83	13,191.66	4,756.97	23,302.07	4,259
Pichilingue Bay.....	4,280.00	2,190.75	966.00	7,207.23	8,920
Portsmouth, N. H.....	9,454.16	63,856.08	7,335.04	34,433.55	37,000
Puget Sound.....	4,668.00	41,131.35	12,099.00	89,662.69	25,000
San Diego.....	11,314.00	111,473.79	3,733.00	39,606.51	26,661
Sitka.....	1,142.23	12,187.59	1,046.23	11,163.27	6,662
St. Thomas, Virgin Islands.....			4,310.50	47,587.92	20,660
Tiburon.....	31,699.40	311,508.07	92,184.88	1,066,521.62	135,600
Tutula.....	2,286.52	13,353.11	4,180.30	37,708.69	7,196
Washington.....	9,387.32	28,649.33	12,120.52	56,526.62	5,000
Yokohama.....	5,528.00	39,881.69	5,619.60	74,778.06	8,500
Azores Islands.....			6,100.00	42,700.00	5,000
Bermuda Islands.....			11,583.60	126,138.87	15,000
Bahia, Brazil.....			1,711.00	39,592.54	4,000
Halifax, Nova Scotia.....			22,730.00	258,894.70	20,000
Montevideo, Uruguay.....			5,190.00	127,884.60	10,999
Rio de Janeiro, Brazil.....			5,272.00	121,994.08	20,000
St. Johns, Newfoundland.....			4,015.00	17,415.82	4,000
Total.....	300,890.92	2,036,469.44	560,828.66	4,262,330.64	

Table 53.—ANALYSIS OF PAY OF THE NAVY BY BANKS AND RATINGS FOR THE FISCAL YEAR 1917.

	Pay.	Commutation of quarters.	Heat and light.	Honorable discharge gratuities.	Total.	Average number of men in grade.	Average pay per year.
ACTIVE LIST.							
LINE OFFICERS.							
Admiral of the Navy.....	87,350.00	8816.67	\$194.82		88,291.19	0.5444	\$13,501.10
Chief of Naval Operations.....	81,338.88				81,338.88	3.8338	10,024.41
Admiral of the fleet.....	31,136.59				31,136.59	3.1333	9,837.31
Vice admiral of the fleet.....	9,000.00				9,000.00	1.0000	9,000.00
Chiefs of bureaus, rear admiral.....	18,808.67	3,598.80	632.85		23,040.32	8.4444	9,000.06
Rear admirals, first nine.....	75,194.45	9,268.00	1,278.04		85,740.49	9.3389	9,051.74
Rear admirals, second nine.....	64,412.70	1,806.40	298.45		66,517.55	10.1085	9,114.71
Captains.....	42,412.87	4,170.03	7,288.87		53,871.77	88.0772	9,000.07
Judge Advocate General, captain.....	4,155.07	41,618.40	1,128.88		46,892.35	9.9111	4,672.88
Commanders.....	52,213.62	25,353.95	5,765.03		83,332.60	123.2680	4,672.88
Lieutenant commanders.....	1,005,298.40	47,367.97	10,581.55		1,053,247.92	246.9222	5,191.00
Lieutenants.....	1,207,258.91	41,460.43	13,871.30		1,252,590.64	328.7722	2,462.82
Lieutenants (junior grade).....	1,737,173.37	67,540.55	19,762.72		1,824,476.64	708.5611	2,462.82
Ensigns.....	1,186,454.59	11,164.18	3,161.46		1,200,780.23	608.0800	2,462.82
Total line officers.....	6,379,741.20	287,791.41	86,879.40		6,754,411.01	2,187.1061	
MEDICAL CORPS.							
Chief of Bureau, rear admiral.....	7,000.00	1,224.00	296.96		8,520.96	1.0000	7,000.00
Medical directors, rear admiral, second nine.....	3,000.00	576.00	87.10		3,663.10	.5000	6,000.00
Medical directors, captain.....	82,038.02	7,448.00	1,683.38		91,169.40	16.4444	4,687.21
Medical inspectors, commander.....	71,737.13	2,417.21	772.35		74,926.69	84.0338	3,400.44
Surgeons, lieutenant commander.....	346,202.35	21,431.56	4,150.07		371,783.98	4.2500	3,400.44
Surgeons, lieutenant.....	14,451.87	288.00	27.90		14,767.77	30.9222	3,068.58
Passed assistant surgeons, lieutenant commander.....	305,651.61	6,555.00	1,633.45		313,840.06	100.8659	2,802.18
Passed assistant surgeons, lieutenant.....	399,510.15	19,320.16	4,045.73		422,876.04	3.7778	2,517.77
Assistant surgeons, lieutenant (junior grade).....	9,040.87	360.00	98.64		9,499.51	64.3361	2,156.64
Assistant surgeons, lieutenant (junior grade).....	16,626.98	1,421.20	256.34		18,304.52	22.7388	2,277.44
Acting assistant surgeons, lieutenant (junior grade).....	138,749.96	6,067.82	1,072.96		145,890.74	62.8000	2,035.91
Assistant surgeons, Reserve Corps, lieutenant (junior grade).....	51,749.28	9,237.60	2,341.62		63,328.50	11.8961	2,242.83
Assistant dental surgeons, lieutenant (junior grade).....	127,855.23	23,054.01	4,698.85		155,608.09	4.8500	2,194.90
Assistant dental surgeons, lieutenant.....	4,522.22	459.60	104.15		4,786.97	28.0250	2,480.00
Acting assistant dental surgeons, lieutenant (junior grade).....	10,168.98	745.67	156.24		11,070.89	28.0250	2,480.00
Assistant dental surgeon, Naval Academy, lieutenant (junior grade).....	51,927.50	5,901.28	1,228.85		59,057.63	2.4800	2,480.00
Total Medical Corps.....	1,375,356.05	100,939.61	22,677.83		1,504,973.49	448.4274	

Table 53.—ANALYSIS OF PAY OF THE NAVY BY RANKS AND RATINGS FOR THE FISCAL YEAR 1917—Continued.

	Pay.	Commutation of quarters.	Heat and light.	Honorable discharge gratuities.	Total.	Average number of men in grade.	Average pay per year.
ACTIVE LIST—Continued							
PAY CORPS.							
Chief of bureau, rear admiral.....	\$7,000.00	\$1,224.00	\$95.25	.....	\$8,319.25	1,000	\$7,000.00
Paymaster General, rear admiral.....	7,677.78	226.04	9,185.82	.....	17,090.64	1,000	7,677.78
Pay director, captain.....	53,332.74	1,741.69	1,084.08	.....	60,158.51	11,166	4,776.08
Pay inspectors, commander.....	70,262.50	7,358.40	4,483.24	.....	82,104.14	15,283	4,597.33
Paymasters, lieutenant commander.....	328,773.74	19,898.00	4,700.66	.....	353,372.40	78,972	4,483.18
Paymasters, lieutenant.....	783.41	100.81	100.81	.....	985.03	519	1,871.10
Passed assistant paymasters, lieutenant commander.....	102,774.83	6,588.00	1,549.85	.....	110,912.73	95,068	1,161.08
Passed assistant paymasters, lieutenant.....	92,274.63	6,780.40	3,362.47	.....	102,417.50	70,187	1,463.55
Passed assistant paymasters, lieutenant (junior grade).....	60,298.85	2,281.10	3,268.37	.....	65,788.32	22,388	2,961.60
Assistant paymaster, lieutenant.....	178.14	.....	.....	.....	178.14	22,322	7,987.83
Assistant paymasters, lieutenant (junior grade).....	41,178.14	3,458.30	765.45	.....	45,401.89	17,616	2,577.45
Assistant paymasters, ensign.....	68,464.75	1,616.00	415.45	.....	70,496.20	35,578	1,924.37
Total Pay Corps.....	847,480.29	55,978.90	15,046.77	.....	919,505.96	242,828	.....
CHAPLAINS.							
Chaplains, captain.....	27,354.60	2,232.40	425.91	.....	30,012.91	5,375	5,107.83
Chaplains, commander.....	40,123.34	5,257.60	1,056.97	.....	46,437.91	8,947	4,487.22
Chaplains, lieutenant commander.....	7,764.16	833.60	116.71	.....	8,714.47	2,100	3,667.22
Chaplains, lieutenant.....	9,834.44	400.80	67.96	.....	10,403.20	3,467	2,865.68
Chaplains, lieutenant (junior grade).....	44,040.26	561.60	139.66	.....	44,741.52	20,022	2,201.72
Total chaplains.....	129,215.80	9,286.00	1,807.21	.....	140,310.01	39,881	.....
PROFESSORS OF MATHEMATICS.							
Professors of mathematics, captain.....	15,000.00	2,016.00	275.04	.....	17,291.04	3,000	5,000.00
Professors of mathematics, commander.....	27,000.00	3,456.00	752.70	.....	31,208.70	6,000	4,500.00
Professors of mathematics, lieutenant.....	19,673.33	3,272.80	776.07	.....	23,722.20	6,742	2,915.78
Professors of mathematics, lieutenant (junior grade).....	600.00	108.00	18.78	.....	726.78	250	2,400.00
Total professors of mathematics.....	62,273.33	8,852.80	1,822.59	.....	72,948.72	15,992	.....
NAVAL CONSTRUCTORS.							
Chief constructors, rear admiral.....	14,677.78	2,496.90	462.82	.....	17,637.40	2,000	7,338.99
Naval constructors, captain.....	23,485.15	2,469.60	481.54	.....	26,436.29	4,781	4,922.90
Naval constructors, commander.....	34,851.63	5,182.12	798.67	.....	39,832.32	8,619	3,863.33

Naval constructors, lieutenant commander.....	137,120.95	12,287.40	3,398.69	152,717.04	34,4888	3,975.81
Naval constructors, lieutenant.....	24,270.92	2,894.40	503.01	27,668.33	7,8444	2,034.04
Assistant naval constructors, lieutenant commander.....	1,950.00	360.00	101.48	2,411.48	6,5900	8,900.00
Assistant naval constructors, lieutenant.....	19,898.47	3,624.00	828.71	24,347.18	6,9908	2,891.72
Assistant naval constructors, lieutenant (junior grade).....	39,866.59	7,478.00	1,839.59	46,314.18	17,1962	2,274.78
Total naval constructors.....	294,849.79	34,792.32	8,313.51	337,955.62	82,2906	
CIVIL ENGINEERS.						
Chief of bureau, rear admiral.....	7,000.00	1,224.00	228.96	8,450.96	1,0000	7,000.00
Civil engineer, rear admiral, first nine.....	6,711.11	1,011.60	207.89	7,930.61	.5389	7,994.88
Civil engineer, rear admiral, second nine.....	10,968.57			11,968.57	1611	6,000.55
Civil engineers, captain.....	13,937.49	1,116.00	81.89	15,135.38	2,1269	4,970.99
Civil engineers, commander.....	64,342.88	5,997.53	1,231.69	71,541.00	2,9828	4,315.30
Civil engineers, lieutenant commander.....	16,237.73	1,867.53	277.40	18,482.66	16,7306	3,845.22
Civil engineers, lieutenant.....	9,490.80	1,138.80	198.77	10,828.37	6,4194	2,964.22
Assistant civil engineers, lieutenant.....	13,768.34	1,508.80	494.65	15,771.79	3,2028	2,954.22
Assistant civil engineers, lieutenant (junior grade).....	4,896.93	497.60	84.70	5,479.23	6,0961	2,260.50
Total civil engineers.....	146,980.96	15,224.33	3,118.86	165,324.14	3,2500	1,568.76
Secretary to Admiral of the Navy.....	1,361.11	313.60	70.05	1,744.76		
Extra pay, aids to rear admirals.....	11,067.36	402.00	114.15	11,573.51	.6444	3,204.09
Extra pay, aviation duty.....	28,432.33	1,229.34		29,661.67		
Total.....	40,860.80	1,944.94	184.20	42,979.94		
CHIEF WARRANT OFFICERS.						
Chief boatswains, lieutenant.....	32,964.88	1,254.80	571.01	34,790.69	10,7683	3,087.02
Chief boatswains lieutenant (junior grade).....	84,826.60	3,461.47	996.06	89,284.13	28,4905	2,978.41
Chief boatswain, ensign.....	208,334.24	6,311.20	1,834.03	216,479.47	84,2378	2,464.68
Chief gunner, lieutenant.....	48,548.77	2,785.80	688.02	52,023.59	14,8900	3,280.33
Chief gunner, lieutenant (junior grade).....	68,176.51	3,261.60	1,029.66	72,467.77	22,6760	3,008.68
Chief gunner, ensign.....	227,012.06	8,341.83	2,653.97	235,007.86	93,9944	2,428.49
Chief machinists, lieutenant.....	6,363.27	108.00	113.80	6,615.07	2,3528	2,717.26
Chief machinists, lieutenant (junior grade).....	104,454.12	6,524.46	1,801.43	112,780.01	35,9389	2,904.41
Chief machinists, ensign.....	232,596.01	9,608.40	3,070.78	245,178.19	98,5389	2,384.76
Chief carpenter, lieutenant.....	34,731.15	3,271.60	943.13	38,945.88	10,3194	3,370.46
Chief carpenter, lieutenant (junior grade).....	183,451.48	4,404.40	1,102.89	188,958.77	19,2944	2,770.31
Chief carpenter, ensign.....	153,377.15	9,383.04	2,814.20	165,574.39	66,4194	2,344.52
Chief pharmacists, lieutenant (junior grade).....	3,090.52	264.80	84.79	3,440.11	1,4065	2,374.02
Chief pharmacists, ensign.....	26,381.89	3,382.00	1,103.84	32,867.73	12,3805	2,282.46
Chief sailmaker, lieutenant.....	3,300.00	288.00	77.56	3,665.56	1,0000	3,300.00
Chief sailmaker, ensign.....	596.00	72.00	17.70	685.70	2,2600	3,380.00
Chief pay clerk, ensign.....	187,905.55	8,949.60	2,462.72	196,317.87	67,2333	2,346.63
Total chief warrant officers.....	1,446,201.20	71,586.00	21,365.59	1,541,152.79	570,0191	

Table 83.—ANALYSIS OF PAY OF THE NAVY BY RANKS AND RATINGS FOR THE FISCAL YEAR 1917—Continued.

	Pay.	Commutation of quarters.	Heat and light.	Honorable discharge gratuities.	Total.	Average number of men in grade.	Average pay per year.
ACTIVE LIST—Continued.							
WARRANT OFFICERS.							
Boatswains.....	\$226,039.87	\$6,197.40	\$1,778.72	.....	\$234,015.79	110,1944	\$2,051.28
Gunners.....	282,275.38	9,660.64	2,968.14	.....	294,864.16	109,5278	2,677.20
Mechanists.....	288,268.91	8,961.00	2,500.65	.....	299,751.16	149,3167	1,990.59
Carpenters.....	73,361.02	3,228.50	77,484.72	.....	41,860.83	38,8683	1,366.48
Pharmacists.....	37,280.88	3,268.60	997.85	.....	41,547.33	21,9611	1,705.72
Pay clerks.....	221,722.12	11,515.00	3,228.24	.....	236,465.36	115,1250	1,926.61
Acting pay clerks.....	75,069.78	308.80	72.18	.....	75,450.76	42,0916	1,783.48
Total warrant officers.....	1,204,028.26	43,196.14	12,390.98	.....	1,259,603.38	596,9999	.....
ENLISTED MEN.							
MATES.							
Mates in service Aug. 1, 1894.....	1,128.10	.....	.....	176.00	1,302.10	1,3056	862.61
Mates appointed since Aug. 1, 1894.....	6,436.10	352.00	.....	.....	6,787.10	6,3417	1,014.73
First leader of band, Naval Academy.....	1,964.31	240.00	77.98	.....	2,302.29	.....	2,381.26
Total mates.....	9,548.51	592.00	77.98	176.00	10,394.49	8,4806	.....
Midshipmen.....	684,379.46	.....	.....	.....	684,379.46	1,134,2639	603.55
NURSES.							
Superintendent.....	1,800.00	.....	.....	.....	1,800.00	1,0000	1,800.00
Nurses.....	91,158.81	454.60	.....	.....	91,613.31	180,3139	669.88
Total nurses.....	92,958.81	454.60	.....	.....	93,413.31	131,3139	.....
CHIEF PETTY OFFICERS.							
Permanent appointments:							
Chief masters-at-arms.....	197,693.54	.....	.....	18,169.32	215,862.86	182,5056	1,083.22
Chief boatswains' mates.....	373,441.64	.....	.....	38,682.29	412,123.93	336,8808	1,108.70
Chief gunners' mates.....	394,868.96	.....	.....	36,982.10	431,850.66	344,7806	1,146.27
Chief turret captains.....	137,020.70	.....	.....	11,574.32	138,595.02	111,3139	1,141.10
Chief quartermasters.....	396,740.03	.....	.....	32,114.41	340,854.44	276,2639	1,121.61
Chief machinists' mates.....	565,187.88	.....	.....	39,775.93	604,963.81	532,9139	1,060.66
Chief electricians.....	339,866.12	.....	.....	29,371.51	369,266.63	312,6139	1,067.61

Table 53.—ANALYSIS OF PAY OF THE NAVY BY BANKS AND RATINGS FOR THE FISCAL YEAR 1917—Continued.

	Pay.	Commutation of quarters.	Heat and light.	Honorable discharge gratuities.	Total.	Average number of men in grade.	Average pay per year.
ACTIVE LIST—Continued.							
ENLISTED MEN—Continued.							
PETTY OFFICERS, FIRST CLASS—continued.							
Commissary stewards.....	\$85, 155. 46			\$6, 149. 68	\$91, 305. 14	92, 9683	\$87. 40
Ships' cooks, first class.....	379, 350. 59			31, 120. 52	403, 471. 11	438, 9916	848. 36
Bakers.....	112, 566. 15			6, 048. 50	118, 604. 65	167, 0583	673. 75
Pharmacists' mates, first class.....	31, 172. 27			3, 912. 71	35, 084. 98	52, 2750	596. 31
Total petty officers, first class.....	5, 309, 923. 85			371, 134. 30	5, 681, 058. 18	7, 426, 4217	.....
PETTY OFFICERS, SECOND CLASS.							
Masters-at-arms, second class.....	24, 506. 05			1, 355. 15	25, 861. 20	41, 9617	585. 06
Boatswains' mates, second class.....	310, 442. 90			21, 512. 35	331, 955. 25	536, 5667	578. 57
Gunners' mates, second class.....	270, 732. 08			16, 200. 81	286, 932. 89	466, 6398	580. 17
Quartermasters, second class.....	128, 546. 00			10, 454. 89	138, 000. 89	248, 2833	565. 66
Machinists' mates, second class.....	567, 645. 85			11, 506. 46	579, 152. 31	1, 001, 1750	566. 98
Electricians, second class.....	391, 285. 39			16, 803. 87	407, 989. 26	689, 7333	567. 30
Ship fitters, second class.....	107, 790. 92			3, 573. 57	111, 374. 49	189, 1250	566. 99
Others.....	894, 358. 48			62, 674. 10	967, 032. 58	1, 507, 2305	566. 38
Carpenters' mates, second class.....	65, 711. 06			1, 918. 78	67, 629. 84	131, 6556	499. 11
Printers, second class.....	14, 260. 55			1, 262. 89	15, 523. 44	27, 3583	524. 87
Painters, second class.....	30, 086. 93			1, 673. 51	31, 760. 44	56, 8333	529. 39
Yeomen, second class.....	186, 600. 48			5, 505. 23	192, 105. 71	376, 9890	496. 04
Storekeepers, second class.....	8, 306. 40			663. 16	8, 971. 56	15, 9472	520. 99
Ships' cooks, second class.....	162, 839. 89			9, 215. 49	172, 055. 38	274, 7083	592. 77
Pharmacists' mates, second class.....	121, 775. 91			8, 973. 51	131, 749. 42	242, 8111	485. 64
Total petty officers, second class.....	3, 282, 911. 99			173, 093. 77	3, 456, 005. 76	5, 816, 9671	.....
PETTY OFFICERS, THIRD CLASS.							
Masters-at-arms.....	10, 502. 76			570. 34	11, 073. 10	20, 4333	514. 00
Coxswains.....	657, 442. 97			39, 311. 67	696, 754. 64	1, 426, 6588	460. 83
Gunners' mates, third class.....	321, 604. 31			14, 210. 53	335, 814. 84	706, 3121	468. 69
Quartermasters, third class.....	194, 283. 93			9, 573. 95	203, 857. 88	447, 0972	434. 54
Electricians, third class.....	374, 323. 43			7, 310. 08	381, 633. 51	891, 0083	420. 11
Carpenters' mates, third class.....	55, 028. 18			1, 827. 20	56, 855. 38	131, 5853	418. 28
Painters, third class.....	38, 376. 32			1, 291. 24	39, 667. 56	84, 2167	420. 08

Yeoman, third class.....	220,597.55			2,809.82	223,407.37	517,938.88	426.91
Storekeepers, third class.....	6,981.84			264.00	7,245.84	16,477.8	423.71
Hospital apprentices, third class.....	176,151.18			5,819.94	181,971.12	372,511.1	472.87
Pharmacists' mates, third class.....	75,386.00			951.98	76,346.98	185,436.1	408.58
Total petty officers, third class.....	2,127,467.47			82,000.75	2,209,468.22	4,798,648.0	
SEAMEN, FIRST CLASS.							
Seamen gunners.....	\$12,468.85			\$1,283.91	\$13,752.76	38,414.0	\$324.59
Seamen.....	2,366,074.29			76,910.51	2,442,984.80	6,834,566.2	346.21
Firemen, first class.....	1,706,075.31			83,306.63	1,789,381.94	3,420,046.3	497.54
Shipwrights.....	82,651.79			462.00	83,113.79	239,261.2	345.48
Musicians, first class.....	178,743.12			11,896.70	190,639.82	359,861.3	498.69
Ships' cooks, third class.....	93,797.45			3,946.54	97,743.99	218,061.2	430.14
Bakers, second class.....	96,384.06			1,749.96	98,134.02	236,075.0	408.28
Total seamen, first class.....	4,536,194.87			179,556.25	4,715,751.12	11,355,285.2	
SEAMEN, SECOND CLASS.							
Seamen, second class.....	3,121,902.72			3,134.44	3,125,037.16	11,717,690.9	266.43
Firemen, second class.....	1,243,594.22			15,420.24	1,259,014.46	3,063,244.2	407.30
Musicians, second class.....	115,513.65			3,262.22	118,775.87	276,105.8	418.36
Buglers, second class.....	71,445.26			3,487.94	74,933.19	168,436.2	424.17
Hospital apprentices.....	189,575.18			602.80	190,177.98	699,433.3	271.04
Ships' cooks, fourth class.....	77,778.43			1,645.60	79,424.03	225,689.1	344.63
Total seamen, second class.....	4,819,899.45			27,562.24	4,847,461.69	16,140,605.5	
SEAMEN, THIRD CLASS.							
Apprentice seamen.....	1,307,638.28			991.32	1,308,640.60	5,504,100.0	237.58
Firemen, third class.....	1,510,020.12			920.96	1,510,950.08	4,945,391.2	306.34
Landmen.....	406,942.24			1,204.30	407,266.54	1,595,444.4	254.44
Total seamen, third class.....	3,223,600.64			3,215.58	3,226,836.22	12,044,935.6	
MESSMEN BRANCH.							
Stewards to commanders in chief.....	18,768.52			1,308.04	20,076.56	20,575.0	912.20
Cooks to commanders in chief.....	13,861.63			214.55	14,076.18	17,444.4	794.62
Stewards to commanders.....	22,802.78			2,190.46	24,993.21	23,825.0	857.09
Cooks to commanders.....	16,248.00			225.98	16,473.98	20,577.8	789.49
Cabin stewards.....	140,947.48			12,367.87	153,315.35	177,430.6	794.38
Cabin cooks.....	68,096.05			8,153.93	106,250.58	138,268.4	709.46
Wardroom stewards.....	120,474.32			10,868.38	131,342.90	157,417.7	705.20
Wardroom cooks.....	104,980.85			10,596.87	115,577.72	153,211.1	685.02
Stewards to commanders.....	17,744.76			1,780.27	19,525.03	570.23	31.194
Stewards to commanders.....	9,326.51			1,941.98	10,268.49	21,827.8	427.26
Warrant officers' stewards.....	39,771.34			4,511.92	44,283.26	73,938.9	545.87

Table 53.—ANALYSIS OF PAY OF THE NAVY BY RANKS AND RATINGS FOR THE FISCAL YEAR 1917—Continued.

	Pay.	Commutation of quarters.	Heat and light.	Honorable discharge gratuities.	Total.	Average number of men in grade.	Average pay per year.
ACTIVE LIST—Continued.							
ENLISTED MEN—Continued.							
MESSEMS BRANCH—continued.							
Warrant officers' cooks.....	306,121.78			\$3,056.87	\$39,277.15	79,8722	\$402.25
Mess attendants, first class (G. O. No. 69).....	92,417.60			8,383.24	100,710.94	205,0861	480.74
Mess attendants, second class (G. O. No. 69).....	42,579.59			1,098.00	43,677.59	124,7389	341.35
Mess attendants, third class (G. O. No. 69).....	66,920.49			832.56	67,753.05	942,1917	712.22
Mess attendants, first class.....	136,482.78			8,476.06	144,958.84	394,8661	346.58
Mess attendants, second class.....	99,987.06			1,267.20	101,254.26	383,9611	266.69
Mess attendants, third class.....	164,603.32			340.38	164,943.70	734,9417	223.56
Total messmen branch.....	1,234,124.66			76,713.06	1,310,837.72	2,960,0389	
INSULAR FORCE.							
Native coxswains.....	16,301.64			986.58	16,288.22	68,0188	268.68
Native seamen.....	19,721.81			1,614.45	21,336.26	100,3778	191.88
Native ordinary seamen.....	9,046.09			698.74	9,744.83	66,9056	146.30
Native machinists, first class.....	9,518.80			405.48	9,924.28	28,2861	408.77
Native machinists, second class.....	10,092.09			1,246.04	11,338.13	82,4667	810.94
Native firemen, first class.....	17,358.53			659.81	18,018.34	82,6750	277.40
Native firemen, second class.....	8,503.16			3,068.42	11,571.58	36,5556	232.61
Native firemen, third class.....	2,935.24			163.18	3,098.42	17,1159	171.51
Native stewards.....	940.97				940.97	2,8683	320.78
Native cooks.....	785.11				785.11	3,3111	237.11
Native mess attendants.....	1,083.90			35.20	1,119.10	4,5528	231.48
Total insular force.....	96,276.34			6,496.26	101,766.60	402,9662	
TEMPORARY RATINGS IN ADDITION TO REGULAR PAY.							
Navy mail clerks.....	36,024.30				36,024.30		
Assistant Navy mail clerks.....	4,596.67				4,596.67		
Coxswains of boats propelled by machinery.....	29,516.98				29,516.98		
Service on submarines.....	47,537.90				47,537.90		
Seamen in charge of hold.....	11,424.86				11,424.86		
Jacks-of-the-dust.....	7,257.42				7,257.42		
Lamp-lighters.....	7,826.94				7,826.94		
Ship's tailors.....	12,794.23				12,794.23		

Teachers' helpers.....	4,837.72				4,837.72			
Chief petty officers detailed as instructors.....	7,966.35				7,966.35			
Gun pointers.....	46,827.95				46,827.95			
Gun captains.....	30,808.68				30,808.68			
Signalmen.....	9,809.08				9,809.08			
Messmen.....	137,349.06				137,349.06			
Apprentice petty officers.....	11,196.62				11,196.62			
Seamen and ordinary seamen detailed in fireroom.....	20,046.77				20,046.77			
Submerged duty on submarines.....	66,907.85				66,907.85			
Extra pay (Arts. 4427-4428, Navy Regulations).....	43,019.59				43,019.59			
Extra pay, nurse acting as chief nurse.....	19,254.79				19,254.79			
One-quarter additional after expiration of enlistment.....	3,525.82				3,525.82			
Interest on deposits by enlisted men credited on discharge.....	12,758.82				12,758.82			
Increase, act of May 22, 1917.....	377,304.92				377,304.92			
Total temporary ratings.....	947,612.42				947,612.42			
RETIRED LIST.								
LIVE OFFICERS AND FLYING CORPS.								
Rear admirals, first nine.....	628,227.78	81,994.40	8975.05		606,877.23	99,977.9	6,034.63	
Rear admirals, second nine.....	132,919.40	454.00	77.10		133,447.50	40,822.3	4,505.19	
Commodores.....	178,717.77	2,856.80	241.63		181,815.23	38,900.0	4,594.29	
Captains.....	714,684.77	5,822.80	644.25		721,223.32	55,053.3	3,897.48	
Commanders.....	346,962.09	18,618.40	3,013.99		368,594.48	101,811.1	3,604.34	
Lieutenant commanders.....	124,701.44	7,811.20	1,282.04		145,794.68	42,246.7	3,194.94	
Lieutenants.....	119,338.47	7,448.81	1,283.41		128,150.68	43,853.3	2,790.54	
Lieutenants (junior grade).....	80,080.67	4,444.40	1,105.81		85,630.88	30,413.7	1,974.46	
Ensigns.....	50,101.65	3,239.60	888.34		53,229.59	31,719.4	1,579.53	
Total live officers and flying corps.....	1,911,738.54	52,990.41	8,836.64		1,973,565.59	484,577.7		
MEDICAL CORPS.								
Surgeon generals, rear admiral.....	10,904.17	283.60	37.22		11,074.99	2,000.0	5,402.09	
Medical directors, rear admiral, second line.....	22,625.00				22,625.00	7,250.0	4,500.00	
Medical directors, commodore.....	24,800.00				24,800.00	6,000.0	4,500.00	
Medical directors, captain.....	24,468.13				24,468.13	24,877.8	3,808.05	
Medical inspectors, commander.....	27,292.15	1,074.40	118.40		28,374.94	9,345.9	3,470.37	
Surgeons, lieutenant commander.....	34,222.82	545.20	75.45		34,773.47	15,966.6	3,078.13	
Surgeons, lieutenant.....	13,454.21	940.00	169.72		14,563.93	5,500.0	2,482.65	
Surgeons, lieutenant.....	39,122.84	134.00	22.77		39,280.61	13,046.71	2,200.77	
Passed assistant surgeons, lieutenant.....	4,283.00	782.00	196.87		5,041.87	3,000.0	1,750.00	
Assistant surgeons, lieutenant (junior grade).....	11,283.03	246.00	53.09		11,582.12	6,750.0	1,641.98	
Assistant surgeons, ensign.....	4,547.49	71.20	23.94		4,642.63	3,250.0	1,399.23	
Total Medical Corps.....	311,004.97	3,996.40	667.47		315,668.84	89,682.2		

Table 53.—ANALYSIS OF PAY OF THE NAVY BY BANKS AND RATINGS FOR THE FISCAL YEAR 1917—Continued.

	Pay.	Commutation of quarters.	Heat and light.	Honorable discharge gratuities.	Total.	Average number of men in grade.	Average pay per year.
RETIREE LIST—Continued.							
ENGINEER CORPS (RETIRED).							
Engineer in chief, rear admiral.....	\$4,500.00				\$4,500.00	1.0000	\$4,500.00
Chief engineers, rear admiral.....	21,737.50				21,737.50	4.8306	4,499.98
Chief engineers, captain.....	11,950.00				11,950.00	3.0000	3,750.00
Chief engineers, commander.....	10,125.00				10,125.00	3.0000	3,375.00
Chief engineers, lieutenant.....	8,637.50		\$309.73		9,947.23	3.2472	3,079.27
Chief engineers, ensign.....	5,751.24	\$179.20			5,930.44	2.6881	2,184.60
Passed assistant engineers, lieutenant.....	23,182.00	137.60	25.24		23,344.84	11.0000	2,105.64
Passed assistant engineers, lieutenant (junior grade).....	11,894.86	518.40	108.48		12,521.74	8.0000	1,597.43
Assistant engineers, lieutenant (junior grade).....	13,434.30	228.60	31.35		13,711.25	8.0000	1,679.29
Assistant engineers, ensign.....	7,916.39	213.60	43.61		8,173.60	4.9167	1,610.10
Total Engineer Corps (retired).....	119,468.89	1,274.40	571.35		121,314.64	47.1806	
PAY CORPS.							
Paymaster generals, rear admiral.....	22,994.32	222.00	47.41		23,173.73	4.0000	5,738.08
Pay director, rear admiral, second nine.....	42,466.67	238.00	41.23		42,745.90	9.2750	4,578.62
Pay director, commodore.....	13,735.56	216.00	19.30		14,070.86	3.0000	4,685.19
Pay director, captain.....	45,672.93	1,231.60	113.80		47,018.33	11.8389	3,977.87
Pay inspector, commander.....	12,373.00				12,373.00	3.6666	3,375.06
Paymaster, lieutenant.....	31,367.57	2,217.60	394.28		33,979.45	10.2556	3,268.58
Paymaster, lieutenant.....	5,736.00	19.20	2.59		5,757.79	2.2861	2,508.98
Passed assistant paymasters, lieutenant.....	2,360.00				2,360.00	1.0000	2,360.00
Assistant paymasters, lieutenant (junior grade).....	3,061.33	94.80	23.02		3,180.15	2.0000	1,540.99
Total Pay Corps.....	179,719.43	4,239.20	641.63		184,600.26	47.3222	
CHAPLAINS.							
Chaplains, rear admiral, second nine.....	13,500.00				13,500.00	3.0000	4,500.00
Chaplains, captain.....	12,563.56	34.00	2.93		12,600.49	4.0444	3,106.40
Chaplains, lieutenant.....	1,792.00	140.80	18.89		1,951.69	1.0000	1,792.00
Total chaplains.....	27,855.56	174.80	21.82		28,052.17	8.0444	

PROFESSORS OF MATHEMATICS.									
Professors of mathematics, rear admiral.....	4,500.00							1,000.00	4,500.00
Professors of mathematics, captain.....	7,500.00							2,000.00	7,500.00
Professors of mathematics, commander.....	9,900.00							3,000.00	9,900.00
Total professors of mathematics.....	21,900.00							6,000.00	21,900.00
NAVAL CONSTRUCTORS.									
Naval constructors, captain.....	11,834.73	229.60	18.02					3,000.00	11,782.35
Naval constructor, lieutenant commander.....	3,840.00	696.80	78.46					1,000.00	4,615.26
Assistant naval constructors, lieutenant.....	2,160.00							1,000.00	2,160.00
Total naval constructors.....	17,834.73	926.40	96.51					5,000.00	18,557.64
CIVIL ENGINEERS.									
Chief engineer, rear admiral, first nine.....	6,000.00							1,000.00	6,000.00
Chief engineers, rear admiral, second nine.....	6,000.00							2,000.00	4,500.00
Chief engineers, captain.....	7,572.15							2,000.00	7,572.15
Chief engineers, commander.....	3,375.00	228.00	64.72					1,000.00	3,789.88
Chief engineers, lieutenant commander.....	1,486.00							1,000.00	3,375.00
Chief engineers, lieutenant.....	2,340.00							1,511.00	2,340.00
Total, civil engineers.....	29,789.15	228.00	64.72					7,511.00	30,081.87
CHIEF WARRANT OFFICERS.									
Chief boatswain, lieutenant (junior grade).....	13,682.90	125.60	26.96					6,420.00	13,835.46
Chief boatswain, ensign.....	64,083.77	2,114.20	665.21					33,794.50	66,863.18
Chief gunner, lieutenant (junior grade).....	12,760.55	494.00	115.50					5,750.00	13,370.05
Chief gunner, ensign.....	22,969.44	524.00	164.73					12,547.20	23,658.17
Chief machinists, lieutenant (junior grade).....	163.62							99.17	1,784.29
Chief machinists, ensign.....	44,940.08	1,288.80	383.39					25,044.40	46,612.27
Chief carpenters, lieutenant (junior grade).....	10,669.01	189.90	41.80					4,619.40	11,516.51
Chief carpenters, ensign.....	27,492.04	820.00	245.30					15,044.40	28,557.94
Chief pharmacists, ensign.....	7,576.30	72.00	21.85					4,161.00	7,670.15
Chief salinmakers, lieutenant (junior grade).....	4,200.00							2,000.00	4,200.00
Chief salinmakers, ensign.....	7,283.75	69.60	20.72					4,000.00	7,374.07
Chief pay clerk, ensign.....	1,530.00							1,000.00	1,530.00
Total chief warrant officers.....	217,332.06	6,165.80	1,833.56					114,477.00	225,351.42
WARRANT OFFICERS.									
Boatswains.....	25,127.10	837.60	268.97					14,658.30	26,333.67
Gunners.....	29,840.07	712.00	211.01					17,336.10	30,772.98
Machinists.....	68,068.65	1,740.20	491.77					43,413.90	70,330.62
Carpenters.....	10,854.90	132.00	39.35					6,586.10	11,015.25
Pharmacists.....	25,585.44	114.40	35.43					15,186.10	25,735.27
Salinmakers.....	1,788.65	66.40	19.68					1,000.00	1,854.79
Pay clerks.....	50,117.01	982.40	248.92					28,975.00	51,328.33
Total warrant officers.....	211,390.82	4,665.00	1,396.03					128,155.50	217,361.85

Table 53.—ANALYSIS OF PAY OF THE NAVY BY RANKS AND RATINGS FOR THE FISCAL YEAR 1917—Continued.

	Pay.	Commutation of quarters.	Heat and light.	Honorable discharge gratuities.	Total.	Average number of men in grade.	Average pay per year.
RETIRED LIST—Continued.							
MATES.							
Mates in service Aug. 1, 1904.....	\$7,467.73	\$344.00			\$7,467.73	\$5,4139	\$1,379.36
Mates appointed since Aug. 1, 1904.....	16,490.10				16,490.10	16,0111	1,026.54
Total mates.....	23,897.83	244.00			24,131.83	21,4250	
ENLISTED MEN.							
CHIEF PETTY OFFICERS.							
Permanent appointments:							
Chief masters-at-arms.....	25,932.11				25,932.11	23,4667	1,105.06
Chief boatswains' mates.....	30,835.03				30,835.03	28,9000	1,066.96
Chief gunners' mates.....	19,129.17				19,129.17	17,4861	1,098.91
Chief quartermasters.....	19,375.98				19,375.98	17,9944	1,076.78
Chief machinists' mates.....	12,420.07				12,420.07	11,9417	1,040.06
Chief electricians.....	2,518.17				2,518.17	2,2278	1,130.34
Chief carpenters' mates.....	6,333.96				6,333.96	5,8563	1,084.61
Chief water tenders.....	14,409.63				14,409.63	13,3444	1,078.83
Chief yeomen.....	20,108.40				20,108.40	18,6472	1,078.36
Hospital stewards.....	659.18				659.18	6250	1,054.69
Bandmasters.....	4,980.15				4,980.15	4,6806	1,064.00
Chief commissary stewards.....	3,794.42				3,794.42	3,0083	1,261.53
Acting appointments:							
Chief masters-at-arms.....	25,545.56				25,545.56	25,4667	1,033.09
Chief boatswains' mates.....	24,641.90				24,641.90	27,9083	882.96
Chief gunners' mates.....	9,449.61				9,449.61	11,5361	819.13
Chief quartermasters.....	8,098.37				8,098.37	9,5917	844.31
Chief machinists' mates.....	11,163.43				11,163.43	11,3611	982.60
Chief carpenters' mates.....	3,408.97				3,408.97	3,9556	861.81
Chief water tenders.....	4,599.30				4,599.30	5,2206	876.31
Chief yeomen.....	12,399.59				12,399.59	13,0944	946.94
Hospital stewards.....	587.25				587.25	7600	783.00
Chief pharmacists' mates.....	395.50				395.50	3750	1,054.68
Bandmasters.....	3,836.53				3,836.53	4,3444	883.79
Chief commissary stewards.....	719.62				719.62	4,7667	938.59
Total chief petty officers.....	265,364.90				265,364.90	263,1611	

PETTY OFFICERS, FIRST CLASS.

Masters-at-arms, first class.....	5,730.05	5,730.05	7,704	735.15
Boatswains' mates, first class.....	9,019.60	9,019.60	13,389	738.04
Gunners' mates, first class.....	13,233.56	13,233.56	17,811	742.93
Quartermasters, first class.....	1,463.64	1,463.64	8,000	731.83
Boilermakers.....	5,287.54	5,287.54	5,164	1,022.85
Mechanists' mates, first class.....	5,471.00	5,471.00	6,400	854.84
Blacksmiths.....	2,544.95	2,544.95	2,947	865.10
Sailmakers' mates.....	3,898.60	3,898.60	5,122	758.79
Carpenters' mates, first class.....	777.92	777.92	1,000	777.92
Water tenders.....	9,447.40	9,447.40	12,953	739.07
Painters, first class.....	645.51	645.51	6,983	731.69
First musicians.....	3,247.53	3,247.53	4,767	481.33
Commissary stewards.....	922.32	922.32	1,000	922.32
Ship's cooks, first class.....	18,981.57	18,981.57	22,456	847.18
Total petty officers, first class.....	80,619.44	80,619.44	102,666	.....

PETTY OFFICERS, SECOND CLASS.

Masters-at-arms, second class.....	1,268.39	1,268.39	2,072	619.57
Boatswains' mates, second class.....	4,353.25	4,353.25	6,945	636.95
Gunners' mates, second class.....	1,703.95	1,703.95	2,778	613.43
Quartermasters, second class.....	6.86	6.86	.011	527.92
Electricians, second class.....	615.68	615.68	7,722	797.31
Oilers.....	5,215.99	5,215.99	7,605	657.71
Printers, second class.....	621.84	621.84	1,000	621.84
Total petty officers, second class.....	13,814.96	13,814.96	21,164	.....

PETTY OFFICERS, THIRD CLASS.

Coxswains.....	3,315.12	3,315.12	6,000	552.50
Gunners' mates, third class.....	729.48	729.48	1,250	583.58
Quartermasters, third class.....	431.28	431.28	1,750	575.04
Hospital apprentices, first class.....	2,423.14	2,423.14	3,750	645.90
Pharmacists' mates, third class.....	162.18	162.18	2,500	648.72
Total petty officers, third class.....	7,060.20	7,060.20	12,000	.....

SEAMEN, FIRST CLASS.

Seamen.....	2,835.72	2,835.72	5,114	533.92
Firemen, first class.....	6,267.66	6,267.66	10,061	624.51
Musicians, first class.....	8,023.96	8,023.96	12,670	633.05
Bakers, second class.....	78.96	78.96	1,250	631.68
Total seamen, first class.....	17,206.30	17,206.30	27,955	.....

Table 63.—ANALYSIS OF PAY OF THE NAVY BY BANKS AND RATINGS FOR THE FISCAL YEAR 1917—Continued.

	Pay.	Commutation of quarters.	Heat and light.	Honorable discharge gratuities.	Total.	Average number of men in grade.	Average pay per year.
RETIRED LIST—Continued.							
ENLISTED MEN—Continued.							
SEAMEN, SECOND CLASS.	\$71.06				\$71.06	.2833	\$250.80
MESSEMS BRANCH.							
Stewards to commanders in chief.....	869.28				869.28	1.0000	869.28
Cooks to commanders in chief.....	802.82				802.82	1.0000	802.82
Stewards to commandants.....	2,945.77				2,945.77	3.5722	824.63
Cooks to commandants.....	819.84				819.84	1.0000	819.84
Cabin stewards.....	3,432.09				3,432.09	4.3000	798.16
Cabin cooks.....	2,064.41				2,064.41	2.6111	790.63
Wardroom stewards.....	6,343.77				6,343.77	7.7667	816.70
Wardroom cooks.....	1,139.04				1,139.04	1.4833	767.90
Steerage stewards.....	871.28				871.28	1.0000	871.28
Warrant officers' stewards.....	506.16				506.16	.7500	674.88
Warrant officers' cooks.....	168.72				168.72	.2500	674.88
Total messenms branch.....	19,763.18				19,763.18	24.7333	
FLYING CORPS.							
LINE OFFICERS.							
Lieutenants.....	12,062.01	\$228.00			12,290.01	3.8139	3,162.64
Lieutenants (junior grade).....	9,638.51	349.20	\$57.42		10,045.13	3.6111	2,669.13
Ensigns.....	467.51	79.20	17.58		564.29	.2750	1,700.04
Total line officers.....	22,168.03	656.40	75.00		22,899.43	7.7000	
NAVAL CONSTRUCTORS.							
Naval constructors, lieutenant commander.....	818.89	150.00	12.70		981.59	.2083	4,711.57
Extra pay, aides to rear admirals.....	16.25				16.25	.1083	150.05
Extra pay, aviation duty.....	8,667.80	136.50			8,804.30	4.6661	1,860.06
Total.....	8,714.05	136.50			8,850.55	4.7944	

CHIEF PETTY OFFICERS.		CHIEF PETTY OFFICERS.		CHIEF PETTY OFFICERS.		CHIEF PETTY OFFICERS.		CHIEF PETTY OFFICERS.	
Permanent appointments:									
Chief boatswain's mates.....	78 05	78 05	0867	1,170 16					
Chief gunners' mates.....	766 09	766 09	0933	1,122 04					
Chief turret captains.....	1,192 41	1,192 41	0906	1,281 05					
Chief machinists' mates.....	2,201 50	2,201 50	1,5777	1,441 05					
Chief electricians.....	1,201 65	1,201 65	7500	1,622 20					
Chief carpenters' mates.....	960 27	960 27	7500	1,320 36					
Acting appointments:									
Chief machinists' mates.....	819 73	819 73	8056	1,017 54					
Chief electricians.....	938 24	938 24	8550	1,137 26					
Chief water tenders.....	140 78	140 78	1083	1,289 91					
Total chief petty officers.....	8,329 32	8,329 32	6,4472						
PETTY OFFICERS, FIRST CLASS.									
Boatswain's mates, first class.....	354 51	354 51	4989	725 12					
Gunners' mates, first class.....	528 58	528 58	4917	1,074 90					
Machinists' mates, first class.....	3,448 78	3,448 78	2,5389	1,974 35					
Ship fitters, first class.....	1,418 92	1,418 92	1,0000	1,418 92					
Electricians, first class.....	5,764 79	5,764 79	6,1167	942 47					
Carpenters' mates, first class.....	1,625 62	1,625 62	2,2194	732 46					
Water tenders.....	419 87	419 87	4028	1,042 38					
Yeomen, first class.....	52 80	52 80	1000	528 00					
Pharmacists' mates, first class.....	135 49	135 49	2083	650 46					
Total petty officers, first class.....	13,749 31	13,749 31	14,5667						
PETTY OFFICERS, SECOND CLASS.									
Boatswain's mates, second class.....	1,243 57	1,243 57	1,6639	747 38					
Gunners' mates, second class.....	37 06	37 06	0967	555 62					
Machinists' mates, second class.....	697 80	697 80	1,1916	585 58					
Carpenters' mates, second class.....	438 52	438 52	7778	602 53					
Total petty officers, second class.....	2,416 95	2,416 95	3,6500						
PETTY OFFICERS, THIRD CLASS.									
Coxswains.....	570 78	570 78	7472	763 89					
Yeomen, third class.....	31 90	31 90	0800	395 78					
Total petty officers, third class.....	602 68	602 68	8278						
SEAMEN, FIRST CLASS.									
Seamen.....	229 33	229 33	5000	458 69					
Firemen, first class.....	698 09	698 09	1,3881	504 07					
Shipwrights.....	28 38	28 38	2500	101 32					
Total seamen, first class.....	955 35	955 35	2,1361						

Table 53.—ANALYSIS OF PAY OF THE NAVY BY RANKS AND RATINGS FOR THE FISCAL YEAR 1917—Continued.

	Pay.	Commutation of quarters.	Heat and light.	Honorable discharge gratuities.	Total.	Average number of men in grade.	Average pay per year.
FLYING CORPS—Continued.							
SEAMEN, SECOND CLASS.							
Seamen, second class.....	\$737.97				\$737.97	1,9416	\$380.04
SEAMEN, THIRD CLASS.							
Landmen.....	454.96				454.96	2,1333	213.26
MESSENGER BRANCH.							
Mess attendants, third class.....	20.92				20.92	.0777	268.96
TEMPORARY RATINGS IN ADDITION TO REGULAR PAY.							
Tailors' helpers.....	1,023.98				1,023.98		
Extra pay (arts. 4427-4426).....	265.02				265.02		
Increase, act of May 22, 1917.....	1,202.09				1,202.09		
Total temporary ratings.....	2,491.09				2,491.09		
NAVAL MILITIA.							
LINE OFFICERS.							
Captains.....	22.22				22.22	.0056	3,967.85
Commanders.....	926.56				926.56	.2417	3,529.33
Lieutenant commanders.....	2,242.49				2,242.49	.6889	3,259.17
Lieutenants.....	5,871.38				5,871.38	3,4000	2,048.23
Lieutenants (junior grade).....	7,947.64	\$15.60	\$2.04		7,965.28	3,6800	2,177.44
Ensigns.....	12,520.16				12,520.16	6,7333	1,859.44
Acting ensigns.....	31.17				31.17	.0167	1,866.47
Total line officers.....	32,560.61	15.60	2.04		32,578.26	14,7362	
MEDICAL CORPS.							
Surgeons, lieutenant commanders.....	16.67				16.67	.0050	2,976.86
Surgeons, lieutenant.....	421.67				421.67	.1278	3,206.46
Passed assistant surgeons, lieutenant commander.....	496.67				496.67	.1528	3,250.46
Assistant surgeons, lieutenant.....	502.00				502.00	.2028	2,475.84
Assistant surgeons, lieutenant.....	513.33				513.33	.1944	2,640.60
Assistant surgeons, lieutenant (junior grade).....	1,180.01				1,180.01	.5500	2,145.47
Assistant surgeons, ensigns.....	488.22				488.22	.2063	2,343.84
Assistant surgeons, Reserve Corps, lieutenant (junior grade).....	483.77				483.77	.2104	2,204.97
Total, Medical Corps.....	4,102.34				4,102.34	1,6811	

PERSONNEL.

PAY CORPS.									
Paymasters, lieutenant.....	253.53	48.00	4.72		306.05	1,056	2,308.05		
Paymaster, lieutenant.....	1,429.60	36.80	4.93		1,471.33	5833	2,450.87		
Assistant paymasters, ensign.....	619.08	11.20	2.21		632.49	3398	1,827.27		
Total pay corps.....	2,302.01	96.00	11.86		2,409.87	1,0277			
CHAPLAINS.									
Chaplain, lieutenant commander.....	483.33				483.33	1472	3,283.49		
Chaplain, lieutenant.....	891.33				891.33	3389	2,630.07		
Chaplain, lieutenant (junior grade).....	845.00				845.00	1883	2,179.41		
Total chaplains.....	1,719.66				1,719.66	6444			
WARRANT OFFICERS.									
Boatswains.....	223.95				223.95	1528	1,465.64		
Machinists.....	779.17				779.17	5306	1,468.47		
Carpenters.....	142.70				142.70	9972	1,468.11		
Pay clerks.....	280.20				280.20	1555	1,480.39		
Total warrant officers.....	1,376.02				1,376.02	9861			
CHIEF PETTY OFFICERS.									
Permanent appointments:									
Chief masters-at-arms.....	868.14				868.14	7600	1,157.82		
Chief boatswains' mates.....	288.55				288.55	2500	1,154.20		
Chief gunners' mates.....	1,864.81			\$393.53	2,258.34	1,5066	1,238.98		
Chief water tenders.....	880.38				880.38	7194	1,154.27		
Chief machinists' mates.....	786.83				786.83	7500	982.44		
Chief yeomen.....	464.39				464.39	3944	1,177.46		
Acting appointments:									
Chief masters-at-arms.....	572.06				572.06	6528	876.35		
Chief boatswains' mates.....	647.83				647.83	7361	876.31		
Chief gunners' mates.....	643.67				643.67	6889	865.66		
Chief quartermasters.....	315.74				315.74	4778	660.82		
Chief masters' mates.....	3,536.06				3,536.06	3,6333	973.24		
Chief electricians.....	749.00				749.00	9306	804.86		
Chief carpenters' mates.....	328.67				328.67	4889	672.26		
Chief water tenders.....	376.83				376.83	5528	681.59		
Chief yeomen.....	2,123.84				2,123.84	2,5250	841.12		
Chief pharmacists' mates.....	334.40		255.00		334.40	4222	792.04		
Bandmasters.....	57.20				57.20	9853	686.67		
Chief commissary stewards.....	498.80				498.80	5333	835.31		
Storekeepers.....	45.83				45.83	9994	660.37		
Total chief petty officers.....	15,133.05			648.53	15,781.58	16,4138			

Table 53.—ANALYSIS OF PAY OF THE NAVY BY RANKS AND RATINGS FOR THE FISCAL YEAR 1917—Continued.

	Pay.	Commutation of quarters.	Heat and light.	Honorable discharge gratuities.	Total.	Average number of men in grade.	Average pay per year.
NAVAL MILITIA—Continued.							
PETTY OFFICERS, FIRST CLASS.							
Masters-at-arms, first class.....	\$310.13				\$310.13	0.5722	\$542.00
Boatswains' mates, first class.....	1,652.14				1,652.14	2.8472	580.37
Gunners' mates, first class.....	1,427.16				1,427.16	2.5667	556.03
Quartermasters, first class.....	889.16				889.16	1.6083	552.86
Boiler makers.....	435.63				435.63	1.4944	881.13
Mechanists' mates, first class.....	1,373.47				1,373.47	1.8306	750.28
Coppersmiths.....	284.87				284.87	.8906	748.48
Ship fitters, first class.....	145.15				145.15	.1917	757.17
Electricians, first class.....	2,024.90				2,024.90	2.9750	680.64
Blacksmiths.....	437.33				437.33	.6444	678.66
Plumbers and fitters.....	1,338.60				1,338.60	2.1278	626.10
Sailmakers' mates.....	14.66				14.66	.0278	527.34
Carpenters' mates, first class.....	373.86	\$10.50			384.36	.7083	527.83
Water tenders.....	1,592.34				1,592.34	2.7250	584.34
Yeomen, first class.....	1,560.63	60.00			1,620.63	2.7886	559.59
Ships' cooks, first class.....	1,053.82	304.43			1,358.25	1.3972	812.38
Bakers, first class.....	245.23				245.23	.3139	781.24
Pharmacists' mates, first class.....	200.13				200.13	.3639	549.96
Total petty officers, first class.....	15,359.21			374.93	15,734.14	24.4639	
PETTY OFFICERS, SECOND CLASS.							
Masters-at-arms, second class.....	109.06				109.06	.2361	462.01
Boatswains' mates, second class.....	2,578.59				2,578.59	5.2556	490.64
Gunners' mates, second class.....	1,119.54				1,119.54	2.3194	482.63
Quartermasters, second class.....	1,021.61				1,021.61	2.1028	485.83
Mechanists' mates, second class.....	3,301.24				3,301.24	5.8944	560.06
Electricians, second class.....	940.52				940.52	1.7167	547.87
Ship fitters, second class.....	642.78				642.78	1.1306	568.52
Oilers.....	4,400.61				4,400.61	8.2250	535.03
Carpenters' mates, second class.....	1,475.73				1,475.73	3.0333	496.51
Painters, second class.....	103.95				103.95	.2250	462.00
Yeomen, second class.....	1,647.91				1,647.91	3.4111	483.10
Ships' cooks, second class.....	13.20				13.20	.0250	528.00
Pharmacists' mates, second class.....	97.53				97.53	.2111	462.01
Total petty officers, second class.....	17,452.29				17,452.29	33.7861	

PETTY OFFICERS, THIRD CLASS.

Masters-at-arms, third class.....	90.16			90.16		2860	401.71
Coxswain.....	4,630.31			4,630.31		10,745.6	430.50
Gunners' mates, third class.....	687.80			687.80		3,438.2	428.38
Quartermasters, third class.....	1,008.80			1,008.80		6,777.7	418.48
Electricians, third class.....	2,960.54			2,960.54		7,126.0	434.81
Carpenters' mates, third class.....	3,087.01	10.50		3,107.51		8,208.8	434.68
Painters, third class.....	91.85			91.85		3,990.6	452.91
Yeomen, third class.....	1,380.70			1,380.70		3,758.3	420.87
Hospital apprentices, first class.....	317.93			317.93		1,609.37	419.27
Pharmacists' mates, third class.....	169.37			169.37		4,028	420.48
Total petty officers, third class.....	14,484.47	10.50		14,444.97		33,558.6	

SEAMEN, FIRST CLASS.

Seaman gunners.....	86.25			86.25		1,689	343.20
Seamen.....	14,915.17			14,915.17		42,247.7	353.04
Firemen, first class.....	4,566.51	181.98		4,767.49		8,572.2	534.93
Shipwrights.....	33.92			33.92		1,028	320.96
Musicians, first class.....	333.78			333.78		7,833	424.12
Ships' cooks, third class.....	357.60			357.60		8,222	434.93
Bakers, second class.....	96.30			96.30		1,500	462.00
Total seamen, first class.....	20,351.53	181.98		20,533.51		52,841.6	

SEAMEN, SECOND CLASS.

Seamen, second class.....	48,947.66			48,947.66		156,080.6	313.70
Firemen, second class.....	6,471.07			6,471.07		14,400.0	446.38
Musicians, second class.....	282.09			282.09		6,681	411.14
Buglers.....	1,017.60			1,017.60		2,411.1	422.05
Hospital apprentices.....	604.60			604.60		1,991.7	303.56
Ships' cooks, fourth class.....	420.01			420.01		1,130.6	371.50
Total seamen, second class.....	57,743.03			57,743.03		176,650.1	

SEAMEN, THIRD CLASS.

Apprentice seamen.....	7,121.01			7,121.01		22,044.4	245.18
Firemen, third class.....	5,232.50			5,232.50		15,922.2	328.66
Landsmen.....	1,852.38			1,852.38		6,876.0	284.01
Total seamen, third class.....	14,305.89			14,305.89		51,841.6	

MESSMEN BRANCH.

Wardroom stewards.....	160.00			160.00		2,233	685.81
Mess attendants, third class.....	56.00			56.00		1,667	353.93
Total messmen branch.....	216.00			216.00		4,000	

Table 53.—ANALYSIS OF PAY OF THE NAVY BY RANKS AND RATINGS FOR THE FISCAL YEAR 1917—Continued.

	Pay.	Commutation of quarters.	Heat and light.	Honorable discharge gratuities.	Total.	Average number of men in grade.	Average pay per year.
NAVAL MILITIA—Continued.							
TEMPORARY RATINGS IN ADDITION TO REGULAR PAY.							
Navy mail clerks.....	\$11.50				\$11.50		
Crewsains of boats propelled by machinery.....	4.50				4.50		
Jack-of-the-dust.....	26.67				26.67		
Lamp-lighters.....	17.67				17.67		
Tailors' helpers.....	26.67				26.67		
Gun painters.....	4.50				4.50		
Stigmatins.....	683.39				683.39		
Seamen detailed in fireroom.....	16.17				16.17		
Extra pay, Article 477-6.....	8.00				8.00		
Increase, act of May 22, 1917.....	2,473.24				2,473.24		
Total temporary ratings.....	3,266.74				3,266.74		
NAVAL RESERVE.							
LINE OFFICERS.							
Commanders.....	\$684.73	\$124.80	\$21.19		830.72	0.1539	\$3,499.54
Lieutenant commanders.....	17,444.19	3,039.20	490.50		20,973.89	5.6777	3,137.49
Lieutenants.....	67,581.89	12,036.40	2,346.73		81,964.02	27.3869	2,468.47
Lieutenants (junior grade).....	72,898.95	2,231.40	2,231.40		83,361.75	33.3066	2,083.79
Ensigns.....	137,743.41	14,056.80	3,742.09		155,542.30	72.9899	1,752.87
Total line officers.....	287,961.17	39,354.26	8,821.89		334,137.31	141.3199	
MEDICAL CORPS.							
Surgeons, lieutenant commander.....	976.00	180.00	41.86		1,197.86	.2600	3,000.00
Passed assistant surgeons, lieutenant.....	676.07	144.00	16.88		836.95	.2778	2,480.06
Assistant surgeons, lieutenant (junior grade).....	72.23	14.40			86.63	.0381	2,000.53
Assistant surgeons, lieutenant (junior grade).....	109,766.85	18,465.30	3,553.45		131,785.60	62.8389	2,077.36
Acting assistant surgeons, lieutenant (junior grade).....	6,372.33	1,194.00	179.65		7,745.98	3.1853	2,061.80
Assistant dental surgeons, Reserve Corps, lieutenant (junior grade).....	21,082.53	3,884.52	868.89		25,835.94	10.4778	2,012.09
Acting assistant dental surgeons, lieutenant (junior grade).....	1,203.60	217.20	42.68		1,463.48	.5917	2,186.25
Assistant dental surgeons, Reserve Corps, lieutenant (junior grade).....	1,800.00	37.60	6.04		1,843.64	.1600	2,000.00
Total Medical Corps.....	61.11	13.20	2.29		76.60	.0806	1,987.06
Total Medical Corps.....	140,997.76	24,080.22	4,678.71		169,766.69	67.8361	

PAY CORPS.									
Paymasters, lieutenant, commander.....	192.50	187.20	37.31	192.50	0.683	3,301.98			
Paymasters, lieutenant.....	929.99	160.00	20.79	1,154.50	3.260	2,961.51			
Passed assistant paymasters, lieutenant.....	1,188.00	118.40	19.98	1,368.79	4.067	2,545.53			
Assistant paymasters, lieutenant (junior grade).....	627.78	80.07	80.67	708.16	3.139	1,999.03			
Assistant paymasters, lieutenant.....	80.07	2,065.20	480.70	2,770.04	0.0306	2,636.27			
Assistant paymasters, lieutenant (junior grade).....	9,774.14	2,080.60	563.92	12,270.04	4.9389	1,979.01			
Assistant paymasters, ensign.....	16,704.48	4,020.40	1,072.70	19,358.00	9.6333	1,734.03			
Total pay corps.....	29,497.56	4,020.40	1,072.70	35,190.66	15.7667	.....		
CHAPLAINS.									
Chaplains, lieutenant.....	106.07	24.00	3.22	133.89	0.444	2,666.75			
NAVAL CONSTRUCTORS.									
Naval constructors, lieutenant.....	760.00	128.00	22.61	910.61	3.166	2,400.51			
Assistant naval constructors, lieutenant.....	1,818.90	212.40	46.50	1,778.80	4.111	2,285.22			
Assistant naval constructors, lieutenant (junior grade).....	1,903.35	242.60	61.04	2,107.99	9.0167	1,967.18			
Total naval constructors.....	3,482.25	584.00	130.15	4,194.40	1.6444	.....		
CIVIL ENGINEERS.									
Civil engineers, lieutenant.....	1,120.00	163.20	23.73	1,306.93	4.600	2,488.99			
Assistant civil engineers, lieutenant (junior grade).....	1,960.57	340.80	56.48	2,287.85	9.936	2,031.05			
Assistant civil engineers, ensign.....	275.30	504.00	80.21	3,870.08	1.472	1,870.24			
Total civil engineers.....	3,295.87	504.00	80.21	3,870.08	1.5277	.....		
CHIEF WARRANT OFFICERS.									
Chief boatswains, ensign.....	4,281.17	380.80	167.50	4,819.47	2.4444	1,710.48			
Chief machinists, ensign.....	5,323.85	746.49	205.00	6,275.34	3.0917	1,721.98			
Chief carpenters, ensign.....	642.15	118.40	28.91	689.46	0.833	1,971.46			
Chief pharmacists, lieutenant (junior grade).....	166.67	365.60	108.88	168.67	1.3389	2,003.84			
Chief pay clerks, ensign.....	2,162.94	1,631.29	600.26	2,657.39	7.2333	1,615.46			
Total chief warrant officers.....	12,476.78	1,631.29	600.26	14,608.33	.....	.....	
WARRANT OFFICERS.									
Boatswains.....	13,300.57	1,987.20	525.62	15,813.39	10.6528	1,248.54			
Gunners.....	8,429.42	1,650.40	460.90	10,540.72	6.8000	1,239.15			
Machinists.....	12,854.77	1,769.60	472.58	15,096.93	10.0361	1,280.83			
Carpenters.....	1,133.31	276.08	76.88	1,486.96	9.994	1,133.63			
Pharmacists.....	1,360.77	74.40	19.62	1,454.79	1.1889	1,909.85			
Pay clerks.....	17,968.00	3,963.60	1,106.42	23,068.02	15.1028	1,189.71			
Acting pay clerks.....	262.50	.....	.....	262.50	.....	1,500.00
Total warrant officers.....	54,309.34	9,751.26	2,661.70	66,722.30	.....	.....	

PERSONNEL.

Table 53.—ANALYSIS OF PAY OF THE NAVY BY BANKS AND RATINGS FOR THE FISCAL YEAR 1917—Continued.

	Pay.	Commutation of quarters.	Heat and light.	Honorable discharge gratuities.	Total.	Average number of men in grade.	Average pay per year.
NAVAL RESERVE—Continued.							
NURSE CORPS.							
Nurses.....	\$6,700.55				\$6,700.55	10.4585	\$628.83
CHIEF PETTY OFFICERS.							
Permanent appointments:							
Chief masters-at-arms.....	794.33				794.33	7093	1,121.46
Chief boatswains' mates.....	2,033.54				2,033.54	1,7806	1,142.05
Chief gunners' mates.....	2,854.35				2,854.35	2,4222	1,178.40
Chief turret captains.....	482.50				482.50	4250	1,135.29
Chief quartermasters.....	2,833.69				2,833.69	2,5222	1,123.50
Machinists' mates.....	3,597.97				3,597.97	3,2806	1,066.74
Chief electricians.....	1,884.20				1,884.20	1,6672	1,110.23
Chief carpenters' mates.....	571.51				571.51	5026	1,136.65
Chief water tenders.....	4,659.57				4,659.57	3,9528	1,178.80
Chief yeomen.....	2,617.01				2,617.01	2,5260	1,036.44
Chief pharmacists' mates.....	33.20				33.20	0417	792.79
Bandmasters.....	599.57				599.57	0444	1,190.14
Chief commissary stewards.....	580.16				580.16	5169	1,139.76
acting appointments:							
Chief masters-at-arms.....	1,405.94				1,405.94	1,4722	954.99
Chief boatswains' mates.....	15,292.00				15,292.00	22,2750	684.51
Chief gunners' mates.....	2,232.84			\$216.08	2,448.92	3,0750	728.13
Chief turret captains.....	36.66				36.66	0856	659.35
Chief quartermasters.....	6,022.03				6,022.03	9,5528	693.20
Chief machinists' mates.....	18,920.39				18,920.39	19,7096	951.98
Chief electricians.....	20,853.47				20,853.47	25,7222	810.71
Chief carpenters' mates.....	1,775.03				1,775.03	2,5944	694.18
Chief water tenders.....	1,950.35				1,950.35	1,2644	734.21
Chief yeomen.....	68,911.71			472.50	69,384.21	83,8805	821.55
Chief printers.....	204.00				204.00	2300	816.00
Hospital stewards.....	219.21				219.21	2500	874.87
Chief pharmacists' mates.....	2,559.34				2,559.34	3,1399	815.56
Bandmasters.....	261.78				261.78	3,3639	718.37
Chief commissary stewards.....	3,214.79				3,214.79	3,2362	993.36
Storekeepers.....	513.46				513.46	8,8028	639.89
Total chief petty officers.....	167,458.69			688.58	168,147.27	198,6332	

PETTY OFFICERS, FIRST CLASS.

Masters-at-arms, first class.....	454.07	454.07	8,000	567.50
Boatswains' mates, first class.....	8,202.97	8,202.97	14,2278	576.83
Gunners' mates, first class.....	4,030.17	4,030.17	6,7306	596.83
Turret captains, first class.....	7,360.63	7,360.63	4,833	746.18
Quartermasters, first class.....	7,831.26	7,831.26	10,9611	723.58
Boiler makers, first class.....	1,705.54	1,705.54	1,8750	906.62
Mechanists' mates, first class.....	25,506.34	25,506.34	33,5333	760.63
Coppersmiths.....	694.23	694.23	9617	776.55
Ship fitters, first class.....	1,576.26	1,576.26	1,9139	823.50
Electricians, first class.....	25,309.30	25,309.30	36,3444	696.37
Blacksmiths.....	3,823.59	3,823.59	1,3500	691.54
Plumbers and fitters.....	3,672.73	3,672.73	5,9500	617.26
Printers, first class.....	2,245.71	2,245.71	4,0944	548.48
Sailmakers' mates.....	443.73	443.73	6,644	688.50
Carpenters' mates, first class.....	2,356.01	2,356.01	4,1195	571.92
Walter tenders.....	6,661.66	6,661.66	10,9611	613.35
Yeomen, first class.....	1,441.73	1,441.73	2,4944	577.99
Stokers, first class.....	42,487.42	42,487.42	72,9889	590.23
Geographers, first class.....	1,000.78	1,000.78	1,7944	557.72
First messengers.....	1,130.82	1,130.82	2,906	466.21
Crimsony stewards.....	4,894.17	4,894.17	6,2361	784.81
Ships' cooks, first class.....	4,965.07	4,965.07	6,2029	800.44
Bakers, first class.....	961.68	961.68	1,3729	633.95
Pharmacists' mates, first class.....	729.07	729.07	1,2633	568.12
Total petty officers, first class.....	148,400.37	148,854.02	227,3361	.....

PETTY OFFICERS, SECOND CLASS.

Masters-at-arms, second class.....	708.49	708.49	1,3778	512.77
Boatswains' mates, second class.....	9,460.31	9,460.31	16,7633	544.67
Gunners' mates, second class.....	4,700.17	4,700.17	8,0624	498.91
Quartermasters, second class.....	42,966.04	42,966.04	78,0666	502.71
Mechanists' mates, second class.....	14,866.14	14,866.14	73,6361	544.50
Electricians, second class.....	1,022.96	1,022.96	26,5395	539.61
Ship fitters, second class.....	14,907.69	14,907.69	27,4983	537.29
Others.....	2,306.37	2,306.37	4,7167	543.91
Carpenters' mates, second class.....	132.72	132.72	1,3306	488.67
Printers, second class.....	654.70	654.70	1,0306	461.65
Yeomen, second class.....	24,504.51	24,900.76	48,3300	506.52
Storekeepers, second class.....	404.96	404.96	8599	432.73
Ships' cooks, second class.....	4,660.36	4,660.36	8,3222	562.39
Pharmacists' mates, second class.....	1,965.32	1,965.32	3,2028	488.79
Total petty officers, second class.....	131,864.14	132,035.39	244,0606	.....

Table 53.—ANALYSIS OF PAY OF THE NAVY BY RANKS AND RATINGS FOR THE FISCAL YEAR 1917—Continued.

	Pay.	Commutation of quarters.	Heat and light.	Honorable discharge gratuities.	Total.	Average number of men in grade.	Average pay per year.
NAVAL RESERVE—Continued.							
PETTY OFFICERS, THIRD CLASS.							
Masters-at-arms, third class.....	\$484.50				\$484.50	1,0417	\$465.11
Coxswains.....	14,448.12				14,448.12	33,4750	431.61
Gunners' mates, third class.....	7,750.75				7,750.75	17,9638	431.46
Quartermasters, third class.....	10,454.50				10,454.50	23,9028	437.38
Electricians, third class.....	13,553.80	\$115.00			13,668.80	31,4250	431.80
Carpenters' mates, third class.....	1,185.11				1,185.11	2,8417	417.04
Painters, third class.....	287.90				287.90	6361	452.60
Yeomen, third class.....	20,505.04			228.75	20,733.79	47,0063	436.18
Storekeepers, third class.....	414.43				414.43	9556	433.69
Hospital apprentices, first class.....	4,307.52				4,307.52	10,9944	391.72
H'armacists' mates, third class.....	1,523.74				1,523.74	4,3973	346.52
Total petty officers, third class.....	74,915.41			343.75	75,259.16	174,6416	
SEAMEN, FIRST CLASS.							
Seamen.....	87,621.65				87,621.65	226,6750	386.55
Firemen, first class.....	13,861.53				13,861.53	37,5000	594.06
Shipwrights.....	309.08				309.08	1,0750	371.34
Musicians, first class.....	807.06				807.06	1,7000	472.15
Ships' cooks, third class.....	1,432.48				1,432.48	3,3184	430.95
Bakers, second class.....	665.76				665.76	1,3639	480.80
Total seamen, first class.....	104,771.16				104,771.16	261,6333	
SEAMEN, SECOND CLASS.							
Seamen, second class.....	69,585.25				69,585.25	211,3138	329.35
Firemen, second class.....	8,419.19				8,419.19	19,6083	429.37
Musicians, second class.....	1,307.61				1,307.61	3,2111	407.22
Engineers.....	666.80				666.80	1,5223	438.02
Hospital apprentices.....	2,639.07				2,639.07	6,3111	418.16
Ships' cooks, fourth class.....	2,034.32				2,034.32	5,2280	386.34
Total seamen, second class.....	84,662.34				84,662.34	247,1916	

PERSONNEL.

SEAMEN, THIRD CLASS.									
Apprentice seamen.....	5,797.68							5,797.68	220.85
Firemen, third class.....	5,421.65							5,421.65	831.15
Landsmen.....	420.78							420.78	293.45
Total seamen, third class.	11,640.11							11,640.11	44,280.5
MESSMEN BRANCH.									
Cabin stewards.....	603.91							603.91	749.64
Cabin cooks.....	109.95							109.95	628.29
Wardroom stewards.....	1,483.29							1,483.29	689.32
Wardroom cooks.....	690.85							690.85	657.95
Steerage stewards.....	359.26							359.26	582.55
Warrant officers' stewards.....	174.08							174.08	712.37
Warrant officers' cooks.....	64.23							64.23	420.08
Mess attendants, first class (G. O. No. 62).....	1,261.19							1,261.19	445.57
Mess attendants, second class (G. O. No. 62).....	464.92							464.92	280.40
Mess attendants, third class (D. O. No. 62).....	271.16							271.16	375.46
Mess attendants, first class.....	865.30							865.30	396.84
Mess attendants, second class.....	562.11							562.11	1,690.5
Mess attendants, third class.....	860.57							860.57	3,226.04
Total messmen branch.	7,740.82							7,740.82	17,013.8
TEMPORARY RATINGS IN ADDITION TO REGULAR PAY.									
Coxswains of boats propelled by machinery.....	55.52							55.52	
Service on submarines.....	20.83							20.83	
Seamen in charge of hold.....	35.00							35.00	
Lamplighters.....	15.17							15.17	
Signalmen.....	157.60							157.60	
Messmen.....	238.36							238.36	
Seamen and ordinary seamen detailed in fireroom.....	66.00							66.00	
Extra pay, article 4427-6, Navy Regulations.....	342.50							342.50	
Extra pay, nurse acting as chief nurse.....	26.00							26.00	
Increase, act of May 22, 1917.....	1,857.12							1,857.12	
Total extra pay.	2,847.10							2,847.10	
PRISONERS.									
PETTY OFFICERS, FIRST CLASS.									
Plumbers and fitters.....	398.00							398.00	594.08
Water tenders.....	248.17							248.17	612.08
Total.	644.17							644.17	1,072.1

Table 53.—ANALYSIS OF PAY OF THE NAVY BY RANKS AND RATINGS FOR THE FISCAL YEAR 1917—Continued.

	Pay.	Commutation of quarters.	Heat and light.	Honorable discharge gratuities.	Total.	Average number of men in grade.	Average pay per year.
PRISONERS—Continued.							
PETTY OFFICERS, SECOND CLASS.							
Machinists' mates, second class.....	\$286.00				\$286.00	0.5416	\$286.01
Yeomen, second class.....	206.61				206.61	.4472	461.98
Total.....	492.61				492.61	.9888	
PETTY OFFICERS, THIRD CLASS.							
Pharmacists' mates, third class.....	63.80				63.80	.1611	395.99
SEAMEN, FIRST CLASS.							
Seamen gunners.....	339.66				339.66	.7063	479.52
Seamen.....	17,863.39				17,863.39	49.2111	362.99
Firemen, first class.....	6,170.89				6,170.89	12.0306	512.93
Shipwrights.....	239.18				239.18	.6944	344.44
Musicians, first class.....	445.51				445.51	.8500	524.13
Ships' cooks, third class.....	983.09				983.09	2.3444	419.34
Bakers, second class.....	597.22				597.22	1.2023	496.52
Total.....	26,638.94				26,638.94	67.0416	
SEAMEN, SECOND CLASS.							
Seamen, second class.....	31,758.61				31,758.61	123.0361	268.12
Firemen, second class.....	8,052.79				8,052.79	19.5083	412.79
Buglers.....	256.30				256.30	.6472	396.01
Hospital apprentices.....	1,201.18				1,201.18	4.2750	280.98
Ships' cooks, fourth class.....	794.46				794.46	2.1056	377.31
Total.....	42,063.34				42,063.34	149.5722	
SEAMEN, THIRD CLASS.							
Apprentice seamen.....	4,858.86				4,858.86	23.0611	210.69
Firemen, third class.....	29,206.83				29,206.83	99.4323	263.73
Landsmen.....	5,967.74				5,967.74	23.4778	254.19
Total.....	40,033.43				40,033.43	145.9772	

MESSEMAN BRANCH.										
Wardroom cooks.....	291.93							291.93	.4694	621.92
Steerage cooks.....	141.90							141.90	.3583	396.06
Mess attendants, first class (G. O. No. 62).....	119.99							119.99	.2272	540.01
Mess attendants, second class (G. O. No. 62).....	89.07							89.07	.2861	311.33
Mess attendants, third class (G. O. No. 62).....	533.09							533.09	2.0722	263.62
Mess attendants, first class.....	689.66							689.66	2.5807	267.24
Mess attendants, third class.....	560.52							560.52	2.3222	211.37
Total.....	2,426.16							2,426.16	8.2611	
INSULAR FORCE.										
Native seamen.....	294.33							294.33	1.6278	180.81
Native ordinary seamen.....	88.74							88.74	.6722	132.01
Native firemen, third class.....	58.02							58.02	.3556	163.16
Total.....	441.09							441.09	2.6556	
NATIONAL NAVAL VOLUNTEERS.										
LINE OFFICERS.										
Commodores.....	1,400.00	\$268.80	844.52					1,713.32	.2633	6,000.86
Captains.....	7,053.32	1,234.00	152.51					8,439.83	1.8444	3,824.18
Commanders.....	7,598.01	1,010.40	148.63					8,758.04	2.1028	3,612.33
Lieutenant commanders.....	16,819.15	1,394.00	218.13					18,231.28	5.2278	3,179.01
Lieutenants.....	44,312.08	1,220.80	222.74					45,755.60	17.3078	2,560.98
Lieutenants (junior grade).....	26,129.68	404.40	89.40					26,623.46	12.4194	2,103.13
Ensigns.....	39,780.65	768.00	195.24					40,743.89	22.7750	1,748.68
Total line officers.....	142,890.85	6,300.40	1,071.07					150,262.32	61.9055	
MEDICAL CORPS.										
Surgeons, Lieutenant commander.....	3,219.16	480.00	77.82					3,776.98	.9667	3,330.09
Surgeons, Lieutenant.....	618.00							618.00	.2633	2,840.38
Passed assistant surgeons, lieutenant commander.....	708.32	18.00	4.23					730.56	.2681	2,000.13
Assistant surgeons, lieutenant.....	4,574.67	281.60	82.57					4,988.84	1.8250	2,508.67
Assistant surgeons, lieutenants (junior grade).....	6,754.94	75.00	12.64					6,845.38	3.2400	2,079.08
Acting assistant surgeons, lieutenant (junior grade).....	513.34							513.34	.2681	2,174.25
Total Medical Corps.....	16,388.44	855.20	127.46					17,371.10	6.7472	

Table 58.—ANALYSIS OF PAY OF THE NAVY BY RANKS AND RATINGS FOR THE FISCAL YEAR 1917—Continued.

	Pay.	Commutation of quarters.	Heat and light.	Honorable discharge gratuities.	Total.	Average number of men in grade.	Average pay per year.
NATIONAL NAVAL VOLUNTEERS—Continued.							
PAY CORPS.							
Paymasters, lieutenant commander.....	\$2,664.17	\$306.00	\$69.80	.....	\$3,019.67	0.8611	\$3,022.30
Paymasters, lieutenant.....	566.67	.....	.....	.....	566.67	.2194	2,583.22
Passed assistant paymasters, lieutenant.....	4,665.34	858.00	157.61	.....	5,679.95	1.8760	2,468.18
Passed assistant paymasters, lieutenant (junior grade).....	507.22	.....	.....	.....	507.22	.2206	2,300.82
Assistant paymasters, lieutenant (junior grade).....	466.67	100.80	24.73	.....	692.20	.2333	2,000.90
Assistant paymasters, ensign.....	1,458.22	16.00	3.93	.....	1,478.15	.8278	1,761.56
Total Pay Corps.....	10,318.29	1,278.80	245.77	.....	11,842.86	4.2471	.....
CHAPLAINS.							
Chaplains, commander.....	658.19	.....	.....	.....	658.19	.1750	3,781.08
Chaplains, lieutenant.....	980.00	105.60	24.80	.....	1,110.40	.4083	2,719.56
Total chaplains.....	1,638.19	105.60	24.80	.....	1,768.59	.5833	.....
CHIEF WARRANT OFFICERS.							
Chief boatswains ensign.....	679.51	.....	.....	.....	679.51	.3722	1,825.65
Chief carpenters, ensign.....	408.10	.....	.....	.....	408.10	.2222	1,827.63
Chief pharmacists, ensign.....	344.73	.....	.....	.....	344.73	.2028	1,690.85
Total chief warrant officers.....	1,432.34	.....	.....	.....	1,432.34	.7972	.....
WARRANT OFFICERS.							
Machinists.....	894.20	.....	.....	.....	894.20	.4656	1,940.74
Pharmacists.....	561.45	.....	.....	.....	561.45	.4222	1,326.82
Pay clerks.....	1,222.92	121.60	28.86	.....	1,373.38	.9333	1,471.53
Total warrant officers.....	2,678.57	121.60	28.86	.....	2,829.03	1.8111	.....
CHIEF PETTY OFFICERS.							
Permanent appointments:							
Chief masters-at-arms.....	1,027.23	.....	.....	.....	1,027.23	1.1972	868.03
Chief boatswains' mates.....	1,012.00	.....	.....	.....	1,012.00	1.5383	613.84
Chief gunners' mates.....	878.20	.....	.....	.....	878.20	1.3205	660.05
Chief quartermasters.....	1,096.19	.....	.....	.....	1,096.19	1.4805	696.14

Chief machinists' mates.....	924.03	1.0355	924.12	1.0355	924.03
Chierelectricians.....	752.02	1.0353	752.02	1.0353	752.02
Chief carpenters' mates.....	670.55	.9667	670.55	.9667	670.55
Chief water tenders.....	660.13	1.5305	660.13	1.5305	660.13
Chief yeomen.....	606.66	1.4250	606.66	1.4250	606.66
Chief pharmacists' mates.....	792.27	.1916	792.27	.1916	792.27
Chief commissary stewards.....	924.06	.9805	924.06	.9805	924.06
Acting appointments:					
Chief masters-at-arms.....	883.21	.2472	883.21	.2472	883.21
Chief boatswains' mates.....	670.41	2.3961	670.41	2.3961	670.41
Chief runners' mates.....	666.23	.6905	666.23	.6905	666.23
Chief quartermasters.....	733.75	5.8222	733.75	5.8222	733.75
Chief machinists' mates.....	938.18	1.5978	938.18	1.5978	938.18
Chief electricians.....	806.30	1.2389	806.30	1.2389	806.30
Chief carpenters' mates.....	659.94	1.4222	659.94	1.4222	659.94
Chief water tenders.....	668.44	2.2667	668.44	2.2667	668.44
Chief yeomen.....	813.21	.8528	813.21	.8528	813.21
Chief pharmacists' mates.....	799.01	.9611	799.01	.9611	799.01
Bandmasters.....	643.32	.8633	643.32	.8633	643.32
Chief commissary stewards.....	901.37		901.37		901.37
Total chief petty officers.....	21,794.64	27.7997	21,794.64	27.7997	21,794.64
PETTY OFFICERS, FIRST CLASS.					
Masters-at-arms, first class.....	519.06	.9577	519.06	.9577	519.06
Boatswains' mates, first class.....	4,102.19	7.6972	4,102.19	7.6972	4,102.19
Gunners' mates, first class.....	2,126.48	3.9972	2,126.48	3.9972	2,126.48
Quartermasters, first class.....	2,370.12	4.4111	2,370.12	4.4111	2,370.12
Boiler makers.....	945.26	1.0916	945.26	1.0916	945.26
Machinists' mates, first class.....	4,336.20	5.9083	4,336.20	5.9083	4,336.20
Coppersmiths.....	608.94	.8222	608.94	.8222	608.94
Ship fitters, first class.....	199.40	.2353	199.40	.2353	199.40
Electricians, first class.....	4,175.33	6.2444	4,175.33	6.2444	4,175.33
Blacksmiths.....	1,162.29	1.7388	1,162.29	1.7388	1,162.29
Printers and fitters.....	3,063.15	5.0961	3,063.15	5.0961	3,063.15
Plumbers, first class.....	41.06	.0778	41.06	.0778	41.06
Salimakers' mates.....	254.25	.3916	254.25	.3916	254.25
Carpenters' mates, first class.....	676.66	1.2338	676.66	1.2338	676.66
Water tenders.....	3,141.14	5.8994	3,141.14	5.8994	3,141.14
Painters, first class.....	319.72	7.6556	319.72	7.6556	319.72
Yeomen, first class.....	4,326.03	7.5000	4,326.03	7.5000	4,326.03
Storekeepers, first class.....	123.20	.2333	123.20	.2333	123.20
First musicians.....	417.28	.9278	417.28	.9278	417.28
Commissary stewards.....	506.80	.6361	506.80	.6361	506.80
Ships' cooks, first class.....	1,782.63	2.4472	1,782.63	2.4472	1,782.63
Bakers, first class.....	936.45	1.5361	936.45	1.5361	936.45
Pharmacists', mates, first class.....	957.09	1.9416	957.09	1.9416	957.09
Total petty officers, first class.....	37,060.73	61.5132	37,060.73	61.5132	37,060.73

Table 53.—ANALYSIS OF PAY OF THE NAVY BY RANKS AND RATINGS FOR THE FISCAL YEAR 1917—Continued.

	Pay.	Commutation of quarters.	Heat and light.	Honorable discharge gratuities.	Total.	Average number of men in grade.	Average pay per year.
NAVAL NATIONAL VOLUNTEERS—Continued.							
PETTY OFFICERS, SECOND CLASS.							
Masters-at-arms, second class.....	\$117.00				\$117.00	2361	\$495.93
Boatswains' mates, second class.....	4,501.90				4,501.90	9,6222	467.88
Gunners' mates, second class.....	2,503.63				2,503.63	7,3611	475.96
Quartermasters, second class.....	2,955.43				2,955.42	6,3583	464.81
Machinists' mates, second class.....	8,630.12				8,630.12	13,8361	544.97
Electricians, second class.....	3,962.74				3,962.74	7,2692	545.12
Ship fitters, second class.....	133.46				133.46	2527	528.13
Others.....	6,187.28				6,187.28	12,2500	505.08
Carpenters' mates, second class.....	638.91				638.91	1,3028	489.62
Printers, second class.....	272.08				272.08	5889	462.01
Yeomen, second class.....	167.14				167.14	3,444	485.31
Storekeepers, second class.....	4,206.36				4,206.36	8,7278	481.95
Ships' cooks, second class.....	327.87				327.87	6,750	485.73
Pharmacists' mates, second class.....	1,410.64				1,410.64	2,6111	540.25
	1,315.66				1,315.66	2,9389	447.67
Total petty officers, second class.....	38,331.39				38,331.39	76,3746	
PETTY OFFICERS, THIRD CLASS.							
Masters-at-arms, third class.....	157.60				157.60	3,777	417.26
Coxswains.....	8,854.81				8,854.81	21,6666	408.68
Gunners' mates, third class.....	3,410.79				3,410.79	8,3444	408.75
Quartermasters, third class.....	2,480.47				2,480.47	6,0333	411.13
Electricians, third class.....	4,382.75				4,382.75	10,7833	408.43
Carpenters' mates, third class.....	810.77				810.77	1,9416	417.58
Painters, third class.....	311.60				311.60	7,667	408.41
Yeomen, third class.....	6,172.44				6,172.44	15,4027	400.73
Storekeepers, third class.....	72.90				72.90	1,638	445.06
Hospital apprentices, first class.....	539.70				539.70	1,4361	376.80
Pharmacists' mates, third class.....	883.58				883.58	2,2750	383.19
Total petty officers, third class.....	28,077.41				28,077.41	69,1912	
SEAMEN, FIRST CLASS.							
Boatswains.....	54,933.63				54,933.63	164,0444	334.90
Firemen, first class.....	11,523.56				11,523.56	28,4555	404.06
Shipwrights.....	1,834.21				1,834.21	2,3444	355.83
Musicians, first class.....	3,099.92				3,099.92	7,5750	409.23
Ships' cooks, third class.....	1,202.10				1,202.10	2,9750	404.06
Bakers, second class.....	330.11				330.11	6972	473.48
Total seamen, first class.....	71,928.53				71,928.53	206,0915	

PERSONNEL.

SEAMEN, SECOND CLASS.

Seamen, second class.....	57,101.84	57,101.84	204,2861	279.51
Firemen, second class.....	11,097.04	11,097.04	26,5750	417.57
Musicians, second class.....	2,510.83	2,510.83	6,5472	383.50
Buglers.....	2,208.61	2,208.61	5,4444	405.67
Hospital apprentices.....	2,102.21	2,102.21	7,6639	274.30
Ships' cooks, fourth class.....	352.64	352.64	1,0444	337.95

Total seamen, second class.....

	75,373.17	251,5610
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SEAMEN, THIRD CLASS.

Apprentice seamen.....	46,600.78	191,9222	242.81
Firemen, third class.....	26,079.98	80,8410	321.26
Landsmen.....	2,866.56	10,9094	260.41

Total seamen, third class.....

	75,437.20	283,7382
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MESSEMen BRANCH.

Cabin cooks.....	57.75	57.75	.0672	594.13
Wardroom stewards.....	84.34	84.34	.1278	659.94
Steerage cooks.....	2.20	2.20	.0055	440.00
Mess attendants, first class (G. O. No. 62).....	711.63	711.63	1,7917	397.18
Mess attendants, second class (G. O. No. 63).....	125.59	125.59	.3905	330.07
Mess attendants, third class.....	28.16	28.16	.1333	211.25

Total messmen branch.....

	1,009.67	2,5390
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TEMPORARY RATINGS IN ADDITION TO REGULAR PAY.

Coxswains of boats propelled by machinery.....	25.00	25.00		
Service on submarines.....	5.83	5.83		
Jacks-of-the-dust.....	12.50	12.50		
Lamp-lighters.....	2.83	2.83		
Tailors' helpers.....	5.00	5.00		
Signalmen.....	6.06	6.06		
Messmen.....	1,224.02	1,224.02		
Apprentice petty officers.....	225.17	225.17		
Seamen and ordinary seamen detailed in fireroom.....	5.94	5.94		
Extra pay (arts. 437-426, Navy Regulations).....	60.50	60.50		
Extra pay, nurse acting as chief nurse.....	3,532.37	3,532.37		
Interest on deposits by enlisted men credited on discharge.....	3,496.40	3,496.40		
Increase, act of May 22, 1917.....	5,500.86	5,500.86		

Total temporary ratings.....

	14,102.46
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Table 83.—ANALYSIS OF PAY OF THE NAVY BY RANKS AND RATINGS FOR THE FISCAL YEAR 1917—Continued.

RECAPITULATION.

	Pay.	Commutation of quarters.	Heat and light.	Honorable discharge gratuities.	Total.	Average number of men in grade.	Average pay per year.
ACTIVE LIST.							
Line officers.....	\$6,379,741.20	\$267,731.41	\$58,859.46	.....	\$6,706,392.07	.....	.....
Medical Corps.....	1,375,356.00	106,939.61	22,677.83	.....	1,504,973.49	.....	.....
Pay Corps.....	847,480.29	56,978.90	15,046.77	.....	919,505.96	.....	.....
Chaplains.....	129,216.80	9,286.00	1,807.21	.....	140,310.01	.....	.....
Professors of mathematics.....	62,273.83	8,852.80	1,822.59	.....	72,948.72	.....	.....
Naval constructors.....	294,849.79	34,792.32	8,313.51	.....	337,955.62	.....	.....
Civil engineers.....	146,980.96	15,234.33	3,118.86	.....	165,334.14	.....	.....
Secretary to Admiral of the Navy.....	1,261.11	313.60	70.05	.....	1,744.76	.....	.....
Extra pay, aides to rear admirals.....	11,087.83	402.00	114.15	.....	11,573.51	.....	.....
Extra pay, aviation duty.....	28,482.83	1,229.34	.....	.....	29,661.67	.....	.....
Chief warrant officers.....	1,448,201.20	71,586.00	21,365.59	.....	1,541,152.79	.....	.....
Warrant officers.....	1,204,026.26	43,186.14	12,390.98	.....	1,259,603.38	.....	.....
Mates and first leader of band, Naval Academy.....	9,545.51	592.00	77.98	.....	10,215.49	.....	.....
Midshipmen.....	684,579.46	.....	.....	\$176.00	684,579.46	.....	.....
Nurses.....	92,958.81	.....	.....	.....	92,958.81	.....	.....
Chief petty officers.....	5,264,436.81	454.50	.....	.....	5,264,891.31	.....	.....
Petty officers, first class.....	5,309,923.88	.....	.....	444,953.41	5,754,877.29	.....	.....
Petty officers, second class.....	3,282,911.99	.....	.....	371,134.30	3,654,046.29	.....	.....
Petty officers, third class.....	2,127,487.47	.....	.....	173,063.77	2,300,551.24	.....	.....
Seamen, first class.....	4,536,194.87	.....	.....	82,000.75	4,618,195.62	.....	.....
Seamen, second class.....	4,819,869.45	.....	.....	179,556.25	4,999,425.70	.....	.....
Seamen, third class.....	3,223,620.64	.....	.....	27,562.24	3,251,182.88	.....	.....
Insular force.....	1,234,124.66	.....	.....	3,215.58	1,237,340.24	.....	.....
Temporary ratings in addition to regular pay.....	947,612.42	.....	.....	76,713.06	1,024,325.48	.....	.....
Total active list.....	43,587,518.98	617,578.95	145,634.98	1,364,804.62	45,695,627.53	.....	.....
RETIRED LIST.							
Line officers.....	1,911,758.54	52,960.41	8,836.64	.....	1,973,555.59	.....	.....
Medical Corps.....	311,004.97	3,996.40	687.47	.....	315,688.84	.....	.....
Engineer Corps, retired.....	119,498.99	1,274.40	571.35	.....	121,344.64	.....	.....
Pay Corps.....	179,719.43	4,239.20	641.63	.....	184,600.26	.....	.....
Chaplains.....	27,855.55	1,174.90	21.82	.....	29,052.27	.....	.....
Professors of mathematics.....	21,900.00	.....	.....	.....	21,900.00	.....	.....
Naval constructors.....	17,534.73	926.40	96.51	.....	18,557.64	.....	.....
Civil engineers.....	29,789.15	228.00	64.72	.....	30,081.87	.....	.....
Chief warrant officers.....	217,362.06	6,166.90	1,833.56	.....	225,362.52	.....	.....

Warrant officers.....	211,390.82	4,665.00	1,306.03	217,361.85
Aides.....	23,697.83	244.00		24,131.83
Chief petty officers.....	265,364.90			265,364.90
Petty officers, first class.....	90,619.44			90,619.44
Petty officers, second class.....	13,814.96			13,814.96
Petty officers, third class.....	7,060.20			7,060.20
Seamen, first class.....	17,206.30			17,206.30
Seamen, second class.....	71.06			71.06
Messmen branch.....	19,763.18			19,763.18
Total retired list.....	3,476,592.01	74,904.41	14,039.73	3,564,636.15
FLYING CORPS.				
Line officers.....	22,166.03	656.40	75.00	22,897.43
Naval constructors.....	818.90	150.00	12.70	981.59
Extra pay, aviation duty.....	8,714.06			8,860.55
Chief petty officers.....	8,329.32	136.50		8,329.32
Petty officers, first class.....	13,749.31			13,749.31
Petty officers, second class.....	2,416.95			2,416.95
Petty officers, third class.....	602.68			602.68
Seaman, first class.....	953.35			953.35
Seaman, second class.....	737.97			737.97
Seaman, third class.....	454.96			454.96
Messman branch.....	20.82			20.82
Temporary ratings in addition to regular pay.....	2,481.09			2,481.09
Total Flying Corps.....	61,457.62	942.90	87.70	62,488.12
NAVAL MILITIA.				
Line officers.....	32,560.61	15.60	2.04	32,578.25
Medical Corps.....	4,102.34			4,102.34
Pay Corps.....	2,302.01	94.00	11.86	2,406.87
Chaplains.....	1,719.66			1,719.66
Warrant officers.....	1,376.02			1,376.02
Chief petty officers.....	16,123.05		648.53	16,781.58
Petty officers, first class.....	16,350.21		374.93	16,734.14
Petty officers, second class.....	17,452.29			17,452.29
Petty officers, third class.....	14,484.47		10.60	14,494.97
Seaman, first class.....	20,351.53		181.98	20,533.51
Seaman, second class.....	57,743.03			57,743.03
Seaman, third class.....	14,306.09			14,306.09
Messmen branch.....	219.00			219.00
Temporary ratings in addition to regular pay.....	3,269.74			3,269.74
Total Naval Militia.....	200,329.05	111.60	13.90	201,670.49

Table 53.—ANALYSIS OF PAY OF THE NAVY BY RANKS AND RATINGS FOR THE FISCAL YEAR 1917—Continued.

RECAPITULATION—Continued.

	Pay.	Commutation of quarters.	Heat and light.	Honorable discharge gratuities.	Total.	Average number of men in grade.	Average pay per year.
PRISONERS.							
Petty officers, first class.....	\$644.17				\$644.17		
Petty officers, second class.....	462.61				462.61		
Petty officers, third class.....	63.80				63.80		
Seamen, first class.....	26,638.94				26,638.94		
Seamen, second class.....	42,063.34				42,063.34		
Seamen, third class.....	40,033.43				40,033.43		
Messmen branch.....	2,428.16				2,428.16		
Insular force.....	441.09				2,446.09		
Total prisoners.....	112,803.54				112,803.54		
NAVAL RESERVE.							
Line officer.....	285,931.17		\$8,821.88		294,753.05		
Medical Corps.....	140,567.75	\$39,354.26	4,678.71		184,599.72		
Pay Corps.....	29,497.66	4,620.40	1,072.70		35,190.66		
Chaplains.....	103.67	24.00	3.22		130.89		
Naval constructors.....	3,482.25	584.00	130.15		4,196.40		
Civil engineers.....	3,285.87	504.00	80.31		3,870.08		
Chief warrant officers.....	12,473.78	1,631.29	600.26		14,705.33		
Warrant officers.....	54,309.34	9,751.26	2,661.70		66,722.30		
Nurse Corps.....	6,700.56				6,700.56		
Chief petty officers.....	167,458.09			\$688.68	168,146.77		
Petty officers, first class.....	148,400.27			453.76	148,854.03		
Petty officers, second class.....	131,594.14			471.26	132,065.39		
Petty officers, third class.....	74,915.41			343.75	75,259.16		
Seamen, first class.....	104,771.16				104,771.16		
Seamen, second class.....	84,662.24				84,662.24		
Seamen, third class.....	11,640.11				11,640.11		
Messmen branch.....	7,740.82				7,740.82		
Temporary ratings in addition to regular pay.....	2,847.10				2,847.10		
Total Naval Reserve.....	1,270,437.88	80,549.43	17,049.83	1,957.33	1,370,993.47		

NATIONAL NAVAL VOLUNTEERS.

Line officers.....	142,800.85	6,300.40	1,071.07	150,202.32
Medical Corps.....	16,398.44	855.20	137.46	17,371.10
Pay Corps.....	10,318.20	1,278.80	245.77	11,842.86
Chaplains.....	1,638.19	106.60	24.80	1,768.59
Chief warrant officers.....	1,430.34			1,430.34
Warrant officers.....	2,678.57	131.60	28.86	2,839.03
Chief petty officers.....	21,794.64			21,794.64
Petty officers, first class.....	37,060.73			37,060.73
Petty officers, second class.....	38,331.39			38,331.39
Petty officers, third class.....	28,077.41			28,077.41
Seamen, first class.....	71,928.53			71,928.53
Seamen, second class.....	75,373.17			75,373.17
Seamen, third class.....	75,437.20			75,437.20
Messmen branch.....	1,009.67			1,009.67
Temporary ratings in addition to regular pay.....	14,102.48			14,102.48
Total National Naval Volunteers.....	538,456.90	8,681.60	1,497.96	548,636.46

GRAND RECAPITULATION.

Regular active.....	\$43,587,518.98	\$617,578.95	\$145,634.98	\$45,085,627.53
Retired.....	3,475,592.01	74,504.41	14,069.73	3,564,166.15
Flying Corps.....	10,467.52	842.91	87.70	10,698.13
Naval Militia.....	200,829.04	111.60	18.90	201,079.54
Prize money.....	112,808.54			112,808.54
Naval Reserve.....	1,270,437.88	80,469.43	17,948.83	1,370,856.14
National Naval Volunteers.....	538,456.90	8,681.60	1,497.96	548,636.46
Total.....	49,216,568.88	782,748.89	179,223.10	51,546,688.76

Table 83.—ANALYSIS OF PAY OF THE NAVY BY RANKS AND RATINGS, FISCAL YEAR 1918—Continued.
ACTIVE LIST.

	Pay.	Commutation of quarters.	Heat and light.	Honorable discharges gratuities.	Total.	Average number of men in grade.	Average pay per year.
LINE AND FLYING CORPS.							
Chief of Naval Operations.....	\$10,000.00				\$10,000.00	1.000	\$10,000.00
Admiral of the fleet.....	27,499.98				27,499.98	2.750	10,000.00
Vice admiral of the fleet.....	17,091.67	6040.80	\$195.22		24,887.69	3.539	8,000.00
Chief of bureau, rear admiral.....	12,693.49	2,304.00	336.98		15,334.47	2.500	8,000.00
Rear admirals, first 9.....	118,418.99	9,987.60	1,524.88		130,931.47	15.550	8,000.00
Rear admirals, second 9.....	71,412.83	7,988.40	1,724.72		81,125.95	16.500	8,000.00
Captains.....	74,000.00	37,617.50	5,225.94		116,843.44	17.819	8,000.00
Judges Advocate General, captain.....	1,082,528.58	47,512.00	7,267.68		1,137,308.26	134.397	8,000.00
Commanders.....	698,483.08	47,244.02	7,878.60		753,605.70	223.044	4,719.89
Lieutenant commanders.....	2,777,187.04	67,127.11	12,493.30		2,856,807.45	203.625	4,000.00
Lieutenants.....	1,742,832.87	106,159.70	19,598.22		1,868,590.79	940.900	2,944.05
Lieutenants (junior grade).....	2,321,637.13	62,369.61	14,620.06		2,398,626.80	698.941	2,537.02
Ensigns.....	2,321,637.13	70,928.53	21,151.99		2,413,717.65	1,148.666	2,107.99
Total.....	10,535,657.79	417,138.17	84,128.18		11,036,924.14		
MEDICAL CORPS.							
Chief of bureau, rear admiral.....	8,000.00	1,204.00	232.80		9,536.80	1.000	8,000.00
Rear admirals, first 9.....	4,000.00	1,648.00	131.10		5,779.10	1.500	8,000.00
Rear admirals, second 9.....	125,801.41	864.00	140.11		126,805.52	1,250	5,096.86
Captains.....	577,512.11	12,326.40	1,915.24		591,753.75	24.830	4,614.26
Commanders.....	577,512.11	15,150.00	2,570.90		595,233.01	44.831	4,262.58
Lieutenant commanders.....	574,667.02	33,045.78	5,841.49		613,554.29	132.577	2,872.01
Lieutenants (junior grade).....	654,832.61	44,808.21	7,984.02		707,624.84	215.069	2,452.89
Ensigns.....	10,920.10	71,779.08	16,399.75		99,198.93	554.833	2,300.37
Dental surgeons, lieutenants.....	7,261.25	1,069.20	145.08		8,475.53	47.471	2,798.40
Dental surgeons (junior grade).....	157,834.12	13,388.36	2,794.11		173,916.59	2.683	2,385.10
Total.....	2,283,044.09	195,077.22	38,362.21		2,516,483.52	72.044	
PAY CORPS.							
Chief of bureau, rear admiral.....	8,000.00	1,296.00	66.15		9,362.15	1.000	8,000.00
Paymaster General, rear admiral.....	8,000.00	1,296.00	121.07		9,417.07	1.000	8,000.00
Rear admiral, first nine.....	70,196.81	8,412.80	1,360.51		80,020.13	14.055	4,994.58
Captains.....							

Commanders.....	101,297.40	10,721.60	1,675.49	113,694.49	21,090	4,674.76
Lieutenant commanders.....	453,019.66	39,956.80	7,241.29	500,217.65	111,154	4,817.80
Lieutenants.....	205,796.33	13,875.60	2,443.74	222,105.69	71,632	2,520.84
Lieutenants (junior grade).....	637,200.75	42,199.36	9,327.75	585,727.84	211,990	2,302.86
Ensigns.....	306,824.14	22,055.07	6,256.69	335,135.90	146,341	2,054.32
Total.....	1,668,326.99	141,109.23	28,645.27	1,838,061.69	.....	.....
CHAPLAINS.						
Captains.....	38,305.82	3,020.00	573.91	41,899.73	7,627	5,022.25
Commanders.....	27,830.00	3,776.46	538.63	32,145.09	6,138	4,534.04
Lieutenant commanders.....	2,922.50	378,250	21.78	3,329.48	735	3,970.78
Lieutenants.....	7,124.76	268.00	30.32	7,413.08	2,619	2,720.41
Lieutenants (junior grade).....	117,543.97	3,861.09	911.50	122,346.56	54,065	2,174.06
Total.....	196,727.05	11,330.75	2,076.14	207,133.94	.....	.....
PROFESSORS OF MATHEMATICS.						
Captains.....	14,999.98	2,016.00	269.98	17,285.87	3,000	5,000.00
Commanders.....	24,891.66	2,068.00	500.52	27,450.18	5,500	4,525.75
Lieutenant commanders.....	16,044.17	2,432.00	420.95	18,897.12	4,341	3,965.95
Lieutenants.....	5,960.00	1,104.00	211.30	7,275.30	1,916	3,110.75
Lieutenant (junior grade).....	6,400.00	400.00	.....	7,800.00	1,166	2,400.00
Total.....	62,295.81	8,040.00	1,402.66	71,738.47	.....	.....
NAVAL CONSTRUCTORS.						
Rear admirals.....	16,000.00	2,592.00	359.92	18,951.92	2,000	8,000.00
Captains.....	67,544.42	9,613.60	1,633.00	78,791.02	13,475	5,012.57
Commanders.....	84,246.96	6,651.20	1,458.82	92,356.98	18,802	4,491.82
Lieutenant commanders.....	85,879.48	9,302.80	1,747.23	96,929.51	22,111	4,387.77
Lieutenants.....	189,687.15	31,646.83	7,283.49	228,597.57	63,391	3,606.12
Lieutenant (junior grade).....	155,545.11	17,277.42	4,133.59	176,956.12	60,471	2,572.27
Total.....	698,906.12	77,083.85	16,596.05	692,586.02	.....	.....
CIVIL ENGINEERS.						
Chief of bureau, rear admiral.....	8,000.00	1,044.00	167.80	9,211.80	1,000	8,000.00
Rear admiral, upper half.....	8,000.00	1,131.40	167.50	9,318.90	1,000	8,000.00
Rear admiral, lower half.....	6,000.00	1,162.00	218.12	7,370.12	1,000	6,000.00
Captain.....	12,978.18	985.20	64.90	14,028.28	2,597	5,000.00
Commander.....	35,831.92	4,278.80	772.23	40,882.95	8,402	4,264.69
Lieutenant commander.....	52,312.01	6,376.00	996.95	59,684.96	13,376	3,910.88
Lieutenant.....	54,623.32	5,341.20	1,362.61	64,317.33	20,158	2,709.76
Lieutenant (junior grade).....	56,507.43	7,780.40	1,641.92	65,929.75	27,111	2,431.94
Total.....	234,254.06	31,099.00	5,405.03	270,758.09	.....	.....
Extra pay, aids to rear admirals.....	13,310.93	.....	.....	13,310.93	.....	.....

Table 63.—ANALYSIS OF PAY OF THE NAVY BY RANKS AND RATINGS, FISCAL YEAR 1918—Continued.
ACTIVE LIST—Continued.

	Pay.	Commutation of quarters.	Heat and light.	Honorable discharge gratuities.	Total.	Average number of men in grade.	Average pay per year.
CHEF WARRANT OFFICERS.							
Chief boatswain, pay of lieutenant.....	\$33,862.34	\$4,116.00	\$864.84	.....	\$38,843.18	16,287	\$3,206.04
Chief boatswain, pay of lieutenant (junior grade).....	99,543.35	4,831.60	1,852.07	.....	66,667.02	21,430	2,778.50
Chief boatswain, pay of ensign.....	45,596.71	2,765.06	1,810.99	.....	49,142.76	22,225	2,060.25
Chief gunner, pay of lieutenant.....	70,667.22	3,904.80	1,760.85	.....	79,734.87	20,783	3,400.25
Chief gunner, pay of lieutenant (junior grade).....	85,796.17	2,976.00	763.49	.....	99,539.66	19,266	2,898.30
Chief gunner, pay of ensign.....	29,753.97	1,251.21	346.43	.....	31,351.61	13,000	2,388.77
Chief machinist, pay of lieutenant.....	7,106.99	196.80	40.09	.....	7,343.88	2,669	2,662.42
Chief machinist, pay of lieutenant (junior grade).....	106,931.22	7,067.26	1,940.46	.....	117,939.94	38,688	2,868.48
Chief machinist, pay of ensign.....	21,733.71	1,103.20	324.19	.....	23,161.10	10,569	2,211.10
Chief machinist, pay of lieutenant.....	22,082.67	2,862.80	665.21	.....	25,610.68	6,616	3,881.72
Chief carpenter, pay of lieutenant (junior grade).....	8,856.26	674.40	102.42	.....	9,633.08	3,284	2,928.90
Chief carpenter, pay of ensign.....	3,474.69	194.40	43.57	.....	3,712.66	1,951	2,004.40
Chief pharmacist, pay of lieutenant.....	1,877.04	48.00	13.70	.....	1,978.74	1,622	2,082.63
Chief pharmacist, pay of lieutenant (junior grade).....	3,212.50	376.00	113.61	.....	3,702.11	1,896	2,007.50
Chief pharmacist, pay of ensign.....	11,426.05	1,537.60	311.65	.....	13,275.30	4,840	2,743.20
Chief sailmaker, pay of lieutenant.....	4,385.70	576.00	130.92	.....	4,992.62	1,733	2,899.73
Chief sailmaker, pay of lieutenant (junior grade).....	2,847.70	193.00	38.87	.....	3,079.57	1,343	2,317.16
Chief sailmaker, pay of ensign.....	1,574.69	104.00	50.52	.....	1,729.21	1,000	1,714.49
Chief pay clerk, pay of lieutenant.....	2,245.13	77.00	20.89	.....	2,342.02	1,264	1,874.86
Chief pay clerk, pay of lieutenant (junior grade).....	2,426.03	141.80	48.12	.....	2,616.95	1,264	2,093.80
Chief pay clerk, pay of ensign.....	26,285.01	1,452.40	311.14	.....	28,048.55	11,322	2,431.60
Total.....	544,241.65	30,319.67	9,914.44	.....	584,475.76	.....	.....
WARRANT OFFICERS.							
Boatswain.....	381,819.58	19,996.89	7,445.58	.....	409,262.05	191,683	1,191.92
Gunners.....	640,243.24	28,555.16	12,123.07	.....	680,921.57	340,802	1,905.04
Machinists.....	379,893.13	12,346.64	3,672.07	.....	395,911.84	201,361	1,915.62
Carpenters.....	204,212.31	7,533.34	2,060.77	.....	213,806.42	111,701	1,898.73
Pharmacists.....	264,642.72	26,710.03	7,858.49	.....	298,211.24	140,447	1,994.28
Pay clerks.....	161,156.68	7,550.35	2,040.94	.....	170,747.96	91,816	1,765.17
Acting pay clerks.....	414,222.28	22,638.79	6,534.53	.....	443,495.60	234,315	1,767.57
Total.....	2,448,132.04	134,301.21	41,685.45	.....	2,624,118.70	.....	.....
MATES.							
Mates in service Aug. 1, 1904.....	1,009.37	45.00	.....	.....	1,057.37	.555	1,818.06
Mates appointed since Aug. 1, 1904.....	6,046.88	306.00	.....	.....	6,354.88	5,232	1,181.06

PERSONNEL.

First leader of band, Naval Academy.....	2,380.00	71.20	21.01	.....	1.000	2,306.00
Second leader of band, Naval Academy.....	902.26	.....	.....	.....	1.000	902.26
Total.....	10,340.15	455.20	21.01	.....	.....	600.00
Middalpmen.....	821,313.00	.....	.....	.....	1,368,855	.....
NURSE CORPS.							
Superintendent.....	1,800.00	.....	.....	.....	1.000	1,800.00
Nurses.....	201,124.51	.....	.....	.....	383,137	603.74
Total.....	202,924.51	.....	.....	.....	.....	.....
CHIEF petty OFFICERS.							
<i>Permanent appointments.</i>							
Chief master-at-arms.....	174,994.56	.....	811,513.19	.....	186,497.75	1,041.11
Chief boatswains' mates.....	416,110.70	.....	24,500.86	.....	440,611.56	1,150.44
Chief gunners' mates.....	441,618.80	.....	29,243.72	.....	470,862.53	1,195.27
Chief turret captains.....	117,276.75	.....	10,508.75	.....	127,779.50	369,472
Chief quartermasters.....	272,820.47	.....	19,139.91	.....	291,960.38	96,119
Chief machinists' mates.....	461,476.87	.....	30,078.44	.....	491,555.31	234,080
Chief electricians.....	318,144.47	.....	24,599.10	.....	342,743.57	1,165.75
Chief carpenters' mates.....	154,987.74	.....	10,968.39	.....	165,956.13	282,868
Chief water tenders.....	438,756.00	.....	27,501.06	.....	466,257.06	1,26,08
Chief yeomen.....	487,046.05	.....	31,946.97	.....	518,993.02	1,124.71
Chief printers.....	13,807.83	.....	980.58	.....	14,788.41	1,170.87
Pharmacists' mates.....	189,549.09	.....	15,271.58	.....	174,820.67	1,116.31
Bandmasters.....	76,578.21	.....	3,075.35	.....	79,653.56	1,090.58
Chief commissary stewards.....	80,028.21	.....	5,401.00	.....	85,429.21	1,113.34
Chief storekeepers.....	10,260.53	.....	1,889.52	.....	12,140.05	1,157.26
Total.....	3,613,359.98	.....	246,614.42	.....	3,859,974.30	1,164.58
<i>Active appointments.</i>							
Chief master-at-arms.....	66,314.04	.....	2,426.04	.....	68,740.08	925.61
Chief boatswains' mates.....	462,467.92	.....	21,422.46	.....	483,890.38	570,632
Chief gunners' mates.....	439,540.21	.....	28,163.95	.....	467,704.19	485,590
Chief turret captains.....	74,074.84	.....	3,302.97	.....	77,377.81	1,527.53
Chief quartermasters.....	285,217.19	.....	9,831.96	.....	295,049.11	270,172
Chief machinists' mates.....	1,015,940.28	.....	42,868.40	.....	1,058,808.68	1,608.70
Chief electricians.....	193,668.68	.....	34,039.30	.....	227,707.98	504,272
Chief carpenters' mates.....	131,262.58	.....	10,038.93	.....	141,301.51	514,175
Chief water tenders.....	462,216.68	.....	21,098.60	.....	483,315.28	572,584
Chief yeomen.....	885,116.68	.....	21,213.98	.....	906,330.66	693,180
Chief printers.....	40,714.08	.....	1,266.28	.....	41,980.37	924.27

Table 53.—ANALYSIS OF PAY OF THE NAVY BY RANKS AND RATINGS, FISCAL YEAR 1918—Continued.

ACTIVE LIST—Continued.

	Pay.	Commutation of quarters.	Heat and light.	Honorable discharge gratuities.	Total.	Average number of men in grade.	Average pay per year.
CHIEF PETTY OFFICERS—continued.							
<i>Acting appointments—Continued.</i>							
Chief pharmacists' mates.....	\$154,699.32			\$13,120.61	\$197,819.93	199,455	\$926.02
Bandmasters.....	67,613.75			2,085.78	69,699.53	75,553	901.32
Chief commissary stewards.....	129,766.95			6,798.20	136,565.15	117,853	1,103.62
Chief storekeepers.....	49,853.02			1,138.50	50,992.12	63,558	1,784.38
Total.....	4,591,504.16			219,237.07	4,810,741.23		
PETTY OFFICERS, FIRST CLASS.							
Master-at-arms, first class.....	27,859.00			1,428.87	29,287.87	36,747	788.13
Boatswains' mates, first class.....	513,010.20			22,039.00	545,049.20	711,230	771.30
Gunners' mates, first class.....	516,926.34			32,110.60	549,036.94	709,041	779.05
Turret captains, first class.....	43,578.68			6,215.16	49,793.84	52,122	836.09
Quartermasters, first class.....	245,215.03			12,463.34	257,678.37	376,089	682.10
Boilermakers.....	439,974.36			9,353.28	449,327.64	454,350	948.36
Machinists' mates, first class.....	1,155,518.68			96,081.33	1,251,600.01	1,361,219	890.58
Coppersmiths.....	182,790.23			3,441.49	186,231.72	217,828	841.08
Ship fitters, first class.....	293,638.79			10,399.36	304,038.15	359,433	816.95
Electricians, first class.....	243,833.71			83,526.71	327,360.42	397,166	823.17
Blacksmiths.....	74,604.42			6,265.13	80,869.55	111,842	725.14
Plumbers and fitters.....	201,377.69			1,219.28	202,596.97	300,747	672.95
Printers, first class.....	92,099.15			4,998.26	97,097.41	116,105	832.45
Sailmakers' mates.....	142,354.63			3,573.54	145,928.07	222,080	641.15
Carpenters' mates, first class.....	1,396,963.15			70,882.12	1,467,845.27	1,956,963	713.15
Water tenders.....	89,708.37			4,231.16	93,939.53	126,816	707.39
Painters, first class.....	485,305.58			11,686.00	496,991.58	789,989	627.66
Yeomen, first class.....	186,947.26			4,173.84	191,121.10	129,380	672.29
First musicians.....	190,040.83			7,079.12	197,119.95	246,889	648.36
Commissary stewards.....	514,014.88			10,245.92	524,260.80	300,846	948.01
Ship's cooks, first class.....	205,526.29			21,052.79	226,579.08	578,813	888.05
Bakers, first class.....	156,082.02			6,288.85	162,370.87	214,823.14	678.21
Pharmacists' mates, first class.....				8,760.14	164,942.15	240,288	683.86
Total.....	8,187,366.62			341,204.87	8,528,571.49		

PERSONNEL.

FETTY OFFICERS, SECOND CLASS.

Master-at-arms, second class.....	31,477.87							51,891	607.02
Boatswains' mates, second class.....	596,310.43						970,840	614.84	
Gunners' mates, second class.....	413,226.99						711,881	581.98	
Quartermasters, second class.....	404,480.84						716,731	531.98	
Machinists' mates, second class.....	2,807,578.84						4,293,708	603.81	
Electricians, second class.....	7,727,627.25						1,708,048	608.84	
Ship fitters, second class.....	430,043.10						1,708,016	621.86	
Officers.....	1,005,283.04						1,661,200	644.64	
Carpenters' mates, second class.....	105,890.08						311.86	559.90	
Printers.....	19,280.15						119.597	617.82	
Painters, second class.....	73,255.55						1,442,577	612.32	
Yeomen, second class.....	611,598.61						1,184,726	535.26	
Storekeepers.....	105,709.96						517.741	572.74	
Ships' cooks, second class.....	317,965.45						614.14	572.04	
Pharmacists.....	173,460.41						303.247		
Total.....	7,894,472.27								

FETTY OFFICERS, THIRD CLASS.

Masters-at-arms, third class.....	16,108.44							27,755	580.38
Coxswains.....	1,304,524.45						2,535,008	515.01	
Gunners' mates, third class.....	553,637.64						1,158,855	462.06	
Quartermasters, third class.....	370,380.14						1,735,702	503.45	
Electricians, third class.....	1,225,541.35						2,510,275	468.21	
Carpenters' mates, third class.....	286,197.44						560,344	473.63	
Painters, third class.....	115,178.00						232,791	494.77	
Yeomen, third class.....	813,355.56						1,026,681	500.04	
Storekeepers.....	149,710.80						303,430	493.39	
Pharmacists.....	591,131.51						1,328,161	445.67	
Total.....	5,412,764.36								

SEAMEN, FIRST CLASS.

Hospital apprentices.....	695,240.74							1,602,541	462.71
Seamen gunners.....	23,691.65						53,725	440.96	
Seamen.....	5,386,672.00						11,650,385	462.96	
Firemen, first class.....	2,893,334.56						5,309,163	544.97	
Shipwrights.....	2,800,767.23						685,895	423.93	
Musicians.....	333,247.38						608,371	547.77	
Ships' cooks, third class.....	365,696.89						787,193	464.53	
Bakers, second class.....	402,891.78						764,283	527.15	
Total.....	10,391,512.22								

Table 53.—ANALYSIS OF PAY OF THE NAVY BY RANKS AND RATINGS, FISCAL YEAR 1918—Continued.

ACTIVE LIST—Continued.

	Pay.	Commutation of quarters.	Heat and light.	Honorable discharge gratuities.	Total.	Average number of men in grade.	Average pay per year.
SEAMEN, SECOND CLASS.							
Seamen.....	\$18,068,160.85			\$2,360.48	\$18,060,600.33	42,076,275	\$420.89
Firemen, second class.....	4,551,654.80			11,112.58	4,562,767.38	9,696,000	460.21
Musicians, second class.....	628,726.04			3,024.80	631,750.84	1,292,793	486.34
Buglers.....	140,266.88			1,546.52	141,813.40	283,769	494.37
Hospital apprentices.....	1,514,406.73			1,265.07	1,515,671.80	2,675,583	566.01
Ships' cooks, fourth class.....	468,801.04				468,801.04	1,184,213	431.04
Total.....	25,421,856.24			19,330.25	25,441,186.49		
SEAMEN, THIRD CLASS.							
Apprentice seamen.....	5,427,052.48			241.73	5,427,294.21	13,868,225	391.33
Firemen.....	6,190,188.50			1,673.58	6,191,862.08	14,955,036	413.92
Landmen.....	2,311,532.08			618.00	2,312,150.08	6,149,000	322.26
Total.....	13,928,773.06			2,531.30	13,931,304.36		
MESSEEN BRANCH.							
Stewards to commanders in chief.....	26,086.31			1,515.02	27,601.33	27,886	884.24
Cooks to commanders in chief.....	16,106.88			1,274.00	17,380.88	19,183	840.52
Stewards to commanders.....	22,592.44			605.80	23,198.24	23,685	905.92
Cooks to commanders.....	16,036.05			709.11	17,345.17	18,383	904.97
Cabin stewards.....	170,067.09			13,368.74	183,435.83	204,333	853.24
Cabin cooks.....	118,299.86			7,790.84	126,090.70	156,844	783.87
Wardroom stewards.....	172,539.12			9,788.57	182,327.69	219,638	728.77
Wardroom cooks.....	153,230.38			6,176.04	159,406.42	215,702	710.38
Stewards.....	29,105.00			2,270.50	31,375.50	46,597	588.88
Steerage stewards.....	24,707.23			1,073.94	25,781.17	50,525	489.01
Steerage cooks.....	48,528.79			2,246.32	50,775.11	83,466	581.36
Ward officers' stewards.....	53,320.07			3,476.04	56,796.11	106,477	500.86
Warrant officers' cooks.....	131,419.85			6,242.75	137,662.60	285,291	486.38
Mess attendants, first class (G. O. No. 62).....	69,477.48			418.00	69,895.48	178,945	388.24
Mess attendants, second class (G. O. No. 62).....	359,629.97			428.80	360,058.77	833,036	636.93
Mess attendants, third class (G. O. No. 62).....	214,867.95			10,400.47	225,268.42	500,916	428.99
Mess attendants, first class.....	176,065.96			674.78	176,740.74	413,594	424.70
Mess attendants, second class.....	612,199.36				612,199.36	1,345,560	380.69
Mess attendants, third class.....	2,315,266.92			66,049.32	2,381,316.24		

INSULAR FORCE.

Native coxswains.....	85,053.92	917.66	85,973.58	239,905	354.64
Native seamen.....	184,029.55	1,146.76	185,176.31	491,847	876.99
Native ordinary seamen.....	128,075.15	612.04	128,687.19	320,544	387.43
Native machinists, first class.....	68,377.69	811.01	69,188.70	283,410	205.63
Native machinists, second class.....	143,770.30	875.74	144,646.04	461,973	311.21
Native firemen, first class.....	102,863.76	1,137.29	103,999.05	221,169	463.93
Native firemen, second class.....	12,338.88	1,401.38	12,740.26	321,697	383.83
Native firemen, third class.....	26,864.86	359.56	27,224.42	64,322	403.67
Native stewards.....	1,817.46	77.97	1,895.43	4,575	367.26
Native cooks.....	1,839.77	1,839.77	3,679.54	3,472	639.89
Native mess attendants.....	7,904.11	7,904.11	15,808.22	12,855	891.83
Total.....	895,096.35	7,942.41	903,038.76		
TEMPORARY RATINGS IN ADDITION TO REGULAR PAY.					
Navy mail clerks.....	44,000.43		44,000.43		
Assistant Navy mail clerks.....	10,440.49		10,440.49		
Coxswains of boats propelled by machinery.....	33,464.26		33,464.26		
Service on submarine.....	141,147.96		141,147.96		
Seamen in charge of hold.....	12,890.37		12,890.37		
Jacks-of-the-tusk.....	9,898.34		9,898.34		
Lamplighters.....	11,012.25		11,012.25		
Ships' tailors.....	18,412.80		18,412.80		
Tailors' helpers.....	22,623.40		22,623.40		
Chief petty officers detailed as instructors.....	7,198.99		7,198.99		
Gun painters.....	54,867.81		54,867.81		
Gun captains.....	48,644.48		48,644.48		
Sigmen.....	22,933.06		22,933.06		
Messmen.....	270,716.10		270,716.10		
Apprentice petty officers.....	70,760.26		70,760.26		
Seamen and ordinary seamen detailed in fireroom.....	72,274.19		72,274.19		
Submerged duty on submarines.....	161,535.06		161,535.06		
Extra pay, article 4427-6, Navy Regulations.....	270,201.33		270,201.33		
Extra pay, nurse acting as chief nurse.....	87,376.14		87,376.14		
One quarter additional after expiration of enlistment.....	7,132.42		7,132.42		
Interest on deposits by enlisted men, credited on discharge.....	26,933.41		26,933.41		
Total.....	1,400,426.75		1,400,426.75		
NEW RATINGS ESTABLISHED BY ACT OF OCT. 6, 1917.					
Chief special mechanics.....	14,054.15	586.78	14,640.93	12,163	626.85
Special mechanics, first class.....	17,217.50		17,217.50	19,790	870.45
Blacksmiths, first class.....	54,193.45	1,927.16	56,120.61	73,619	374.63
Coppersmiths, first class.....	36,683.27	1,190.86	37,874.13	47,471	103.46
Pattern makers, first class.....	7,849.80		7,849.80	9,083	233.46
Molders, first class.....	10,741.60		10,741.60	21,348	922.40
Enginemen, first class.....	141,237.89	8,513.83	149,751.72	187,047	753.20

Table 53.—ANALYSIS OF PAY OF THE NAVY BY RANKS AND RATINGS, FISCAL YEAR 1918—Continued.

ACTIVE LIST—Continued.

	Pay.	Commutation of quarters.	Heat and light.	Honorable discharge gratuities.	Total.	Average number of men in grade.	Average pay per year.
NEW RATINGS ESTABLISHED BY ACT OF OCT. 3, 1917—continued.							
Engineers, second class.....	\$427,724.91			\$10,885.74	\$438,610.65	639.661	\$698.09
Blacksmiths, second class.....	119,708.99			661.28	120,370.27	163.198	733.91
Coppersmiths, second class.....	42,674.63				42,674.63	60.752	702.44
Pattern makers, second class.....	16,386.40				16,386.40	22.438	695.73
Molders, second class.....	54,662.12			220.37	54,882.49	112.852	484.36
Total.....	653,036.70			21,089.80	674,126.50		

RETIRED LIST.

	Pay.	Commutation of quarters.	Heat and light.	Honorable discharge gratuities.	Total.	Average number of men in grade.	Average pay per year.
LINE OFFICERS.							
Rear admiral, upper half.....	\$542,178.98	\$11,457.42	\$1,566.08		\$555,202.48	96.358	\$5,778.27
Rear admiral, lower half.....	175,744.87	4,652.80	1,605.22		181,002.90	37.241	4,919.11
Commodores.....	175,779.17	17,024.80	1,650.66		194,454.63	31.867	6,132.45
Captains.....	215,789.88	22,948.80	3,191.73		241,916.41	60.305	4,165.70
Commanders.....	474,661.08	49,620.67	3,850.26		528,132.01	86.305	6,105.29
Lieutenant Commanders.....	165,260.20	19,454.00	3,850.26		188,564.46	44.738	4,214.22
Lieutenants.....	113,514.70	14,069.20	2,783.88		130,367.77	58.952	2,233.15
Lieutenants (junior grade).....	60,359.23	7,725.60	1,131.95		70,016.77	27.077	2,582.45
Ensigns.....	57,108.51	8,285.60	2,138.20		67,529.31	28.791	1,983.45
Total.....	1,877,869.52	155,248.98	25,459.34		2,058,577.76		
MEDICAL CORPS.							
Surgeon General, rear admiral.....	12,000.00	1,056.00	198.23		13,254.23	2.000	6,000.00
Medical directors, rear admiral, lower half.....	36,375.00	288.00	66.82		36,729.82	5.008	4,545.87
Medical directors, commodores.....	18,004.17	206.80	12.18		18,223.15	3.833	4,677.14
Medical directors, captains.....	57,702.79	4,811.20	647.96		63,161.95	21.867	4,005.24
Medical inspectors, commanders.....	33,187.50	2,880.00	451.91		36,519.41	8.750	3,792.84
Surgeons, lieutenant commanders.....	46,512.74	3,922.00	777.12		51,161.81	13.815	3,365.58
Surgeons, lieutenants.....	48,832.50	2,280.80	974.81		52,088.11	20.215	2,401.05
Surgeons, lieutenants (junior grade).....	18,429.01	2,875.20	211.90		21,516.11	9.886	1,884.15
Surgeons, ensigns.....	2,028.39	168.80	66.37		2,263.56	1.655	1,588.15

Dental surgeons, lieutenants.....	1,000.00	144.00	48.42	1,192.42	.500	2,000.00
Dental surgeons, lieutenants (junior grade).....	718.76	72.00	21.50	812.26	.416	1,727.76
Total.....	305,060.85	16,774.80	2,975.21	329,770.86		
ENGINEER CORPS.						
Engineers in chief, rear admiral.....	8,827.50			8,827.50	1.086	4,564.82
Chief engineers, rear admiral.....	10,720.00			10,720.00	2.368	4,410.17
Captains.....	7,748.92			7,748.92	5.101	3,406.48
Commanders.....	7,292.57	201.00		7,493.57	2.150	3,080.85
Lieutenant commanders.....	10,013.20	340.00	27.85	11,072.85	3.450	3,080.00
Lieutenants.....	26,018.20	1,428.40	108.09	27,554.69	11.441	2,841.26
Lieutenants (junior grade).....	31,488.24	2,498.40	402.11	34,388.75	15.111	2,683.68
Ensigns.....	5,112.80	488.80	131.54	5,723.14	2.388	2,141.08
Total.....	110,967.79	4,902.80	857.19	116,727.78		
PAY CORPS.						
Paymaster General, rear admiral.....	26,927.76	1,608.40	301.20	28,837.36	4.288	6,263.88
Rear admirals, upper half.....	1,125.00			1,125.00	2.560	4,500.00
Rear admirals, lower half.....	24,250.00	680.00	123.73	24,953.73	5.583	4,701.77
Commodores.....	14,250.50	1,152.00	128.85	15,531.35	11.680	5,080.05
Captains.....	48,218.74	3,698.40	200.05	52,117.19	3.000	4,318.03
Commanders.....	10,125.00			10,125.00	8.394	3,373.03
Lieutenant commanders.....	29,701.38	3,334.00	635.47	33,769.85	4.260	3,549.12
Lieutenants.....	11,873.50	1,216.20	227.43	13,316.13	1.060	2,793.75
Lieutenants (junior grade).....	2,400.00	432.00	124.10	2,956.10	1.144	2,400.00
Ensigns.....	2,257.83			2,257.83		1,797.50
Total.....	172,218.21	12,240.00	1,845.83	186,305.04		
CHAPLAINS.						
Rear admirals.....	10,125.00			10,125.00	2.260	4,500.00
Captains.....	12,607.33	464.80	39.76	13,111.89	3.377	3,582.27
Commanders.....	1,875.00			1,875.00	.416	4,507.21
Lieutenant commanders.....	1,850.00			1,850.00	1.000	3,004.80
Lieutenants.....	2,880.00	528.00	11.28	3,419.28		2,880.00
Total.....	28,227.33	992.80	151.04	29,371.17		
PROFESSOR OF MATHEMATICS.						
Rear admirals.....	4,500.00			4,500.00	1.000	4,500.00
Captains.....	8,243.75			8,243.75	2.250	3,708.33
Commanders.....	8,268.75			8,268.75	2.500	3,307.50
Lieutenant commanders.....	787.50			787.50	.250	3,110.00
Lieutenants.....	2,100.00			2,100.00	.883	2,521.00
Total.....	24,000.00			24,000.00		

Table 68.—ANALYSIS OF PAY OF THE NAVY BY RANKS AND RATINGS, FISCAL YEAR 1918—Continued.
RETIRED LIST—Continued.

	Pay.	Commutation of quarters.	Heat and light.	Honorable discharge gratuities.	Total.	Average number of men in grade.	Average pay per year.
NAVAL CONSTRUCTORS.							
Captains.....	\$12,104.15	\$1,008.00	\$94.25		\$13,206.39	3.172	\$3,815.93
Naval constructors, commander.....	2,100.00	386.00	97.18		2,583.18	.500	4,200.00
Naval constructors, lieutenant commander.....	4,000.00	720.00	73.57		4,793.75	1.000	4,000.00
Naval constructors, lieutenant.....	2,160.00				2,160.00	1.000	2,160.00
Naval constructors (junior grade).....	1,050.00				1,050.00	.500	2,100.00
Total.....	21,414.15	2,124.00	264.99		23,803.14		
CIVIL ENGINEERS.							
Civil engineers, rear admiral, first 9.....	2,000.00				2,000.00	.333	6,300.30
Civil engineers, rear admiral, second 9.....	10,092.50	720.00	161.70		10,944.20	2.000	5,031.25
Civil engineers, captain.....	7,743.06	719.60	56.26		8,518.92	1.833	4,294.35
Civil engineers, commander.....	843.75				843.75	.250	3,375.00
Civil engineers, lieutenant.....	2,340.00				2,340.00	1.000	2,340.00
Civil engineers, lieutenant (junior grade).....	24.44	2.40	.32		27.16	.011	2,201.80
Total.....	23,013.75	1,442.00	218.25		24,674.00		
CHIEF WARRANT OFFICERS.							
Chief boatswains, pay of lieutenant.....	2,232.51	360.00	71.29		2,663.80	.750	2,976.66
Chief boatswains, pay of lieutenant (junior grade).....	15,741.04	825.60	245.08		16,811.72	6.888	2,263.28
Chief boatswains, ensign.....	66,587.67	4,708.00	1,491.93		72,787.60	20.369	2,108.06
Chief gunner, pay of lieutenant.....	1,660.00	288.00	57.26		2,005.26	.600	3,360.00
Chief gunner, pay of lieutenant (junior grade).....	16,627.50	1,914.00	541.50		19,083.00	6.000	2,960.44
Chief gunner, ensign.....	21,076.74	2,198.67	694.80		24,972.21	8.815	2,477.15
Chief machinist, pay of lieutenant (junior grade).....	3,804.54	525.00	243.97		4,573.51	2.197	2,421.11
Chief machinist, ensign.....	31,363.04	5,561.40	1,783.34		38,707.78	24.086	2,132.68
Chief carpenters, pay of lieutenant.....	3,749.67	612.80	161.67		4,524.14	1.601	2,345.61
Chief carpenters, pay of lieutenant (junior grade).....	12,949.00	1,636.00	413.04		14,998.04	5.094	2,081.28
Chief carpenters, ensign.....	2,545.00	2,545.00	708.79		5,638.79	3.791	2,100.00
Chief pharmacist, ensign.....	7,808.34	585.60	173.32		8,567.26	.250	2,100.00
Chief sailmaker, pay of lieutenant.....	542.00	144.00	31.50		721.50	.250	2,100.00
Chief sailmaker, pay of lieutenant (junior grade).....	6,426.92	305.00	106.29		7,038.21	3.166	2,080.12
Chief pay clerk, pay of lieutenant (junior grade).....	915.99				915.99	.250	1,530.01
Chief pay clerk, ensign.....						.547	1,676.53
Total.....	225,746.30	22,122.67	6,728.76		254,603.73		

WARRANT OFFICERS.

Boatswains.....	24,232.95	2,793.60	763.02	27,906.57	12,697	1,916.19
Gunners.....	28,617.66	1,694.90	545.91	30,848.37	13,519	1,844.04
Machinists.....	57,830.44	6,211.27	1,628.38	64,670.09	33,688	1,660.23
Carpenters.....	11,032.61	600.00	215.84	11,968.45	6,291	1,766.79
Pharmacists.....	17,073.37	144.00	46.72	17,263.99	10,136	1,684.41
Sailmakers.....	2,072.51	268.00	97.64	2,438.15	1,000	2,072.51
Pay clerks.....	50,964.72	3,365.20	1,063.49	56,433.41	27,968	1,531.77
Total.....	191,961.16	14,116.90	4,371.00	210,448.96		

MATES.

Mates in service Aug. 1, 1904.....	10,480.54			10,480.54	8,044	1,108.23
Mates appointed since Aug. 1, 1904.....	9,307.25	1,260.40		10,567.65	8,167	1,011.86
Second leader of band, Naval Academy.....	281.25			281.25	.280	1,128.00
Total.....	20,069.04			21,329.44		

NURSE CORPS.

Nurses.....	687.50			687.50	1,000	687.50
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CHIEF PETTY OFFICERS.

Permanent appointments.

Chief master-at-arms.....	18,442.95			18,442.95	16,496	1,118.00
Chief boatswain's mate.....	21,221.68			21,221.68	19,767	1,073.93
Chief gunner's mate.....	12,043.00			12,043.00	11,394	1,135.28
Chief turret captain.....	15,691.20			15,691.20	14,308	1,088.00
Chief quartermasters.....	8,993.85			8,993.85	8,672	1,046.00
Chief machinist's mates.....	2,393.91			2,393.91	2,022	1,080.96
Chief carpenter's mates.....	4,537.26			4,537.26	4,250	1,072.28
Chief mate's tenders.....	12,196.20			12,196.20	11,166	1,091.12
Chief yeoman.....	19,155.20			19,155.20	17,255	1,113.02
Chief printers.....	263.67			263.67	17,250	1,084.05
Chief pharmacist's mates.....	527.24			527.24	500	1,084.05
Bandmasters.....	4,924.08			4,924.08	4,750	1,036.64
Chief commissary stewards.....	2,769.20			2,769.20	2,463	1,124.25
Total.....	124,474.04			124,474.04		

Acting appointments.

Chief mates-at-arms.....	16,712.37			16,712.37	18,944	862.20
Chief boatswain's mates.....	16,089.02			16,089.02	18,944	860.20
Chief gunner's mate.....	5,757.59			5,757.59	6,872	818.11
Chief quartermasters.....	5,249.49			5,249.49	6,375	823.44
Chief machinist's mates.....	10,445.21			10,445.21	10,447	802.45
Chief electricians.....	807.97			807.97	827	871.89

Table 63.—ANALYSIS OF PAY OF THE NAVY BY RANKS AND RATINGS, FISCAL YEAR 1918—Continued.
RETIRED LIST—Continued.

	Pay.	Commutation of quarters.	Heat and light.	Honorable discharge gratuities.	Total.	Average number of men in grade.	Average pay per year.
CHIEF PETTY OFFICERS—continued.							
<i>Acting appointments—Continued.</i>							
Chief carpenter's mates.....	\$2,108.61				\$2,108.61	2,616	\$398.56
Chief water tenders.....	2,520.11				2,520.11	2,945	856.33
Chief yeoman.....	26,171.15				26,171.15	28,720	876.24
Chief fireman.....	631.07				631.07	1,630	1,011.63
Chief pharmacist's mates.....	133.90				133.90	348	836.84
Bandmasters.....	1,670.30				1,670.30	2,000	835.16
Chief commissary stewards.....	1,512.16				1,512.16	1,800	1,008.10
Chief commissary.....	4,375.74				4,375.74	8,311	528.50
Storekeepers.....							
Total.....	\$3,802.71				\$3,802.71		
PETTY OFFICERS, FIRST CLASS.							
Master-at-arms.....	4,708.87				4,708.87	6,500	724.44
Boatswain's mates.....	6,927.74				6,927.74	9,486	732.43
Gunnery's mates.....	10,970.74				10,970.74	15,725	697.66
Quartermasters.....	1,880.68				1,880.68	2,708	697.31
Roller makers.....	3,494.16				3,494.16	3,439	1,012.20
Mechanics' mates.....	5,748.00				5,748.00	6,066	952.27
Coppersmiths.....	271.61				271.61	844	789.27
Electricians.....	717.23				717.23	731.55	731.55
Blacksmiths.....	2,567.53				2,567.53	3,025	850.41
Printers.....	518.28				518.28	707	650.07
Sailmakers.....	3,220.33				3,220.33	4,447	724.66
Carpenter's mates.....	545.04				545.04	760	727.78
Water tenders.....	9,480.50				9,480.50	12,886	786.35
Painters.....	580.43				580.43	760	707.24
Yeoman.....	4,210.26				4,210.26	6,746	624.11
Storekeepers.....	565.27				565.27	1,372	694.10
First musicians.....	3,590.95				3,590.95	5,479	657.04
Commissary stewards.....	900.84				900.84	963	864.76
Ship's cooks.....	14,588.47				14,588.47	17,000	858.08
Bakers.....	68.40				68.40	108	664.07
Pharmacist's mates.....	204.53				204.53	289	742.31
Total.....	76,087.84				76,087.84		

PETTY OFFICERS, SECOND CLASS.

Master-at-arms.....	1,031.94	1,031.94	1,750	589.88
Boatswain mates.....	3,472.75	3,472.75	1,341	637.03
Gunners' mates.....	1,915.60	1,915.60	2,714	671.48
Quartersmasters.....	3,624.36	3,624.36	5,705	516.48
Warrant officers.....	281.23	281.23	489	447.52
Electricians.....	584.53	584.53	139	531.98
Ship fitters.....	3,991.93	3,991.93	6,242	639.08
Carpenters.....	219.62	219.62	6,345	624.98
Yeomen.....	5,360.52	5,360.52	9,330	874.55
Storekeepers.....	1,133.17	1,133.17	2,033	562.30
Ship's cooks.....	282.90	282.90	2,447	632.88
Pharmacists' mates.....	180.37	180.37	303	598.53
Total.....	21,591.17	21,591.17		

PETTY OFFICERS, THIRD CLASS.

Coxswains.....	3,574.85	3,574.85	6,716	521.99
Gunners' mates.....	1,488.52	1,488.52	2,764	538.35
Quartersmasters.....	941.37	941.37	1,841	511.36
Electricians.....	189.50	189.50	458	413.75
Carpenters' mates.....	146.97	146.97	336	437.42
Painters.....	71.07	71.07	144	463.54
Yeomen.....	1,937.86	1,937.86	3,955	489.97
Storekeepers.....	247.35	247.35	3,503	492.04
Pharmacists' mates.....	1,600.52	1,600.52	2,514	636.64
Total.....	10,198.01	10,198.01		

SEAMEN, FIRST CLASS.

Hospital apprentices.....	252.58	252.58	.405	577.13
Seamen.....	4,296.49	4,296.49	9,150	469.56
Firemen.....	6,521.33	6,521.33	14,119	483.13
Musicians.....	3,542.73	3,542.73	6,583	634.55
Ship's cooks.....	337.67	337.67	.714	542.95
Bakers.....	80.50	80.50	.200	402.50
Total.....	15,381.30	15,381.30		

SEAMEN, SECOND CLASS.

Seamen.....	2,252.13	2,252.13	6,416	351.00
Firemen.....	1,346.48	1,346.48	2,908	468.71
Buglers.....	32.80	32.80	.096	498.48
Ship's cooks.....	68.90	68.90	.169	407.09
Total.....	3,702.31	3,702.31		

PERSONNEL.

Table 53.—ANALYSIS OF PAY OF THE NAVY BY BANKS AND RATINGS, FISCAL YEAR 1918—Continued.

RETIRED LIST—Continued.

	Pay.	Commutation of quarters.	Heat and light.	Honorable discharge gratuities.	Total.	Average number of men in grade.	Average pay per year.
SEAMEN, THIRD CLASS.							
Apprentice seaman.....	\$108.66				\$108.66	0.277	\$392.67
Firemen.....	679.07				679.07	2.036	833.53
Total.....	787.73				787.73		
MESSEMEN BRANCH.							
Stewards to commissary chief.....	651.96				651.96	.750	989.28
Cooks to commissary chief.....	602.64				602.64	.750	903.42
Stewards to commandants.....	1,194.66				1,194.66	1.260	935.72
Cooks to commandants.....	614.88				614.88	1.750	819.54
Cabin stewards.....	3,004.71				3,004.71	3.668	819.69
Cabin cooks.....	792.97				792.97	1.000	792.97
Wardroom stewards.....	5,085.85				5,085.85	6.208	819.24
Wardroom cooks.....	1,690.93				1,690.93		870.60
Stewards.....	503.46				503.46	.750	671.28
Warrant officers' stewards.....	508.16				508.16	.750	674.88
Mess attendants, third class.....	98.73				98.73	.219	480.82
Mess attendants, first class.....	190.94				190.94	.436	437.93
Mess attendants, second class.....	82.50				82.50	.231	357.14
Mess attendants, third class.....	921.93				921.93	2.397	384.62
Total.....	15,912.32				15,912.32		

RESERVES.

LINE AND FLYING CORPS.							
Lieutenant commanders.....	\$398,470.89	\$32,398.80	\$6,407.07		\$397,276.76	11,069	\$3,282.66
Lieutenants.....	1,045,501.80	131,421.45	26,348.22		1,197,271.47	41,211	2,632.98
Lieutenant (junior grade).....	1,247,880.34	110,083.24	17,225.40		1,374,988.98	661,150	2,401.37
Ensigns.....	4,171,201.87	286,333.33	86,229.52		4,543,764.72	229,900	1,810.44
Total.....	6,863,054.90	562,233.82	136,210.21		7,561,498.93		

MEDICAL CORPS.									
Surgeons, lieutenant commander.....	690,022.99	11,067.72	2,364.78	703,415.49	21,336	3,234.07			
Surgeons, lieutenant.....	147,722.06	29,244.06	5,917.40	182,883.56	59,283	2,491.79			
Passed assistant surgeons, lieutenant (junior grade).....	1,016,967.36	86,519.23	44,601.39	1,147,087.98	601,780	2,024.72			
Dental surgeons, lieutenant (junior grade).....	131,754.59	16,721.40	6,245.11	1,206,721.10	76,850	2,104.80			
Total.....	2,035,467.02	145,572.43	59,068.68	2,240,108.13	.....	.....	
PAY CORPS.									
Paymasters, lieutenant commander.....	6,913.33	884.80	177.66	7,975.79	2,060	3,326.22			
Paymasters, lieutenant.....	55,099.13	20,132.28	1,104.52	76,385.93	20,063	2,743.51			
Paymasters, lieutenant (junior grade).....	90,478.60	15,459.60	3,657.59	109,585.79	43,811	2,062.72			
Paymasters, ensign.....	60,972.50	82,350.18	23,539.63	166,892.31	358,030	1,702.00			
Total.....	213,463.56	118,796.86	28,479.40	360,739.82	.....	.....	
CHAPLAINS.									
Lieutenant.....	7,263.34	1,497.60	497.85	9,258.79	2,991	2,428.39			
Lieutenant (junior grade).....	6,393.00	891.60	190.69	7,477.29	3,122	2,048.71			
Total.....	13,656.34	2,389.20	688.54	16,736.08	.....	.....	
NAVAL CONSTRUCTORS.									
Naval constructors, lieutenant commander.....	2,641.67	478.00	24.08	3,143.75	860	3,001.86			
Naval constructors, lieutenant.....	18,924.45	4,508.40	1,072.83	24,453.68	7,300	2,423.63			
Assistant naval constructors, lieutenant.....	1,300.00	240.00	60.80	1,600.80	7,416	3,125.00			
Assistant naval constructors, lieutenant (junior grade).....	30,009.28	5,968.00	1,571.94	37,579.19	15,483	1,931.61			
Total.....	52,875.37	11,222.40	2,679.65	66,777.42	.....	.....	
CIVIL ENGINEERS.									
Civil engineers, lieutenant commander.....	7,268.63	1,628.00	302.36	9,198.99	2,394	3,036.18			
Civil engineers, lieutenant.....	47,078.16	3,206.80	480.66	50,765.62	15,180	2,442.56			
Assistant civil engineer, lieutenant (junior grade).....	57,206.28	2,819.60	607.09	60,631.97	25,325	2,211.60			
Assistant civil engineer, ensign.....	46,797.27	2,045.45	466.75	49,329.47	25,900	1,810.38			
Total.....	158,349.34	9,699.85	1,576.86	169,926.05	.....	.....	
Extra pay, aids to rear admiral.....	1,984.27	20.80	.....	2,005.07	.....	.....	
Extra pay, aviation duty.....	28,478.80	2,070.19	20.60	30,569.59	.....	.....	
CHIEF WARRANT OFFICERS.									
Chief boatswain, pay of lieutenant.....	3,107.52	66.00	16.72	3,252.24	1,416	2,236.96			
Chief boatswain, pay of lieutenant (junior grade).....	808.61	142.00	29.99	980.60	318	2,040.06			
Chief boatswain, ensign.....	55,841.79	3,170.00	1,015.31	60,027.10	80,710	1,811.12			
Chief gunner, ensign.....	15,440.54	1,690.40	467.13	17,628.07	8,394	1,840.66			
Chief machinists, pay of lieutenant (junior grade).....	847.78	1,116.40	30.43	1,994.61	303	2,797.95			

Table 63.—ANALYSIS OF PAY OF THE NAVY BY RANKS AND RATINGS, FISCAL YEAR 1918—Continued.
RESERVES—Continued.

	Pay.	Commutation of quarters.	Heat and light.	Honorable discharge gratuities.	Total.	Average number of men in grade.	Average pay per year.
CHEF WARRANT OFFICERS—continued.							
Chief machinists, ensign.....	\$43,179.10	\$4,133.60	\$1,321.10	.....	\$48,633.80	24,041	\$1,796.06
Chief carpenters, ensign.....	9,389.55	1,349.20	428.43	.....	11,167.18	5,255	1,781.07
Chief sailmaker, pay of lieutenant (junior grade).....	905.60	158.40	40.48	.....	1,104.48	663	2,421.58
Chief pay clerk, ensign.....	19,729.61	2,739.20	897.11	.....	23,365.92	11,194	1,762.49
Total.....	149,310.10	13,567.20	4,276.70	.....	167,154.00	.....	.....
WARRANT OFFICERS.							
Boatswains.....	270,976.93	19,485.38	6,153.31	.....	296,615.62	20,868	1,363.08
Gunners.....	118,016.69	20,263.80	6,546.13	.....	144,826.62	88,986	1,326.22
Mechanists.....	223,216.88	26,001.90	7,960.94	.....	256,149.72	171,539	1,330.40
Carpenters.....	30,106.66	5,139.92	1,560.49	.....	36,827.06	23,825	1,263.78
Pharmacists.....	6,986.98	788.52	252.73	.....	6,968.23	3,947	1,516.55
Sailmakers.....	125.00	.....	.....	.....	125.00	.....	.....
Pay clerks.....	221,883.34	42,049.47	12,937.36	.....	276,870.17	180,108	1,185.08
Total.....	870,312.47	112,698.99	35,400.96	.....	1,018,412.42	.....	.....
MIDSHIPMEN.							
Midshipmen.....	375.00	.....	.....	.....	375.00	.....	600.00
NURSE CORPS.							
Nurses.....	176,374.61	5,684.82	1,084.70	.....	183,144.13	260,450	704.23
CHEF PETTY OFFICERS.							
<i>Permanent appointments.</i>							
Chief master-at-arms.....	18,730.73	.....	.....	8388.47	19,189.20	15,828	1,182.61
Chief boatswain.....	62,972.79	.....	.....	196.71	63,069.50	1,401.14	1,140.14
Chief gunner's mate.....	37,972.06	.....	.....	197.88	38,169.94	53,223	1,122.33
Chief turret captain.....	7,276.54	.....	.....	.....	7,276.54	1,143.91	1,143.91
Chief quartermaster.....	30,549.86	.....	.....	.....	30,549.86	31,001	1,011.93
Chief machinist's mate.....	63,829.20	.....	.....	.....	63,829.20	61,922	1,030.80
Chief electrician.....	22,674.14	.....	.....	48.10	22,722.24	21,472	1,085.98
Chief carpenter's mate.....	14,711.90	.....	.....	32.30	14,744.20	15,823	1,005.98
Chief water tender.....	42,441.60	.....	.....	861.12	43,302.72	33,273	1,242.28
Chief yeoman.....	83,540.11	.....	.....	763.23	84,303.33	90,069	690.69

Chief printer.....	2,701.95	2,701.95	707.03	2,701.95	2,398	1,208.47
Chief pharmacist.....	9,747.23	10,454.26		10,454.26	8,941	1,022.16
Bandmaster.....	5,457.63	5,457.63		5,457.63	4,533	1,201.24
Chief commissary steward.....	11,062.46	11,062.46		11,062.46	10,225	1,164.53
Chief storekeeper.....	9,250.36	9,250.36		9,250.36	11,493	505.17
Total.....	423,019.55	423,019.55	2,952.99	423,019.55		
<i>Acting appointments.</i>						
Chief master-at-arms.....	45,902.61	45,902.61		45,902.61	45,019	1,020.54
Chief boatswain's mate.....	419,763.24	419,763.24	33.76	419,763.24	565,238	797.26
Chief gunner's mate.....	81,377.55	81,377.55	37.99	81,377.55	94,555	867.54
Chief turret captain.....	4,317.13	4,317.13	17.14	4,317.13	4,761	978.77
Chief quartermaster.....	460,227.03	460,496.27	272.24	460,496.27	563,755	816.26
Chief machinist's mate.....	691,346.66	691,346.66	367,632.35	367,632.35	690,455	1,073.29
Chief electricians.....	397,632.35	397,632.35	270.00	397,632.35	423,967	968.53
Chief carpenter's mate.....	108,096.62	108,096.62		108,096.62	132,211	817.85
Chief water tender.....	58,536.78	58,536.78		58,536.78	67,623	868.22
Chief yeoman.....	1,669,142.96	1,669,273.23	130.26	1,669,273.23	1,069,178	944.06
Chief printer.....	15,908.85	15,908.85		15,908.85	18,113	933.52
Chief pharmacist's mate.....	33,392.99	33,392.99	22.79	33,392.99	33,947	867.08
Bandmaster.....	15,217.44	15,217.44		15,217.44	18,268	832.10
Chief commissary stewards.....	87,778.09	87,778.09		87,778.09	82,311	1,068.42
Chief storekeeper.....	111,260.78	111,260.78	6.32	111,260.78	140,025	801.94
Total.....	4,067,808.60	4,068,561.92	773.27	4,068,561.92		

PETTY OFFICERS, FIRST CLASS.

Master-at-arms.....	16,603.92	16,603.92		16,603.92	23,261	704.26
Boatswain mate.....	211,268.41	211,268.71	25.30	211,268.71	352,045	797.94
Gunner's mate.....	52,191.91	52,378.11	224.20	52,378.11	124,111	797.92
Turret captain.....	2,317.27	2,317.27		2,317.27	2,619	769.19
Quartermasters.....	185,019.68	187,014.60	94.92	187,014.60	263,289	727.93
Boiler makers.....	85,038.95	85,038.95		85,038.95	70,267	727.93
Machinist's mates, first class.....	80,741.28	80,741.28	631.72	80,741.28	1,038,669	797.93
Coppersmiths.....	65,773.28	65,773.28		65,773.28	84,202	728.19
Ship fitters, first class.....	65,642.51	65,642.51	27.95	65,642.51	87,472	728.19
Blacksmiths, first class.....	75,429.51	75,429.51	223.00	75,429.51	617,452	797.18
Blacksmiths, second class.....	44,483.51	44,483.51		44,483.51	54,789	728.19
Plumber and fitter.....	213,244.26	213,244.26		213,244.26	323,304	728.19
Printer, first class.....	50,455.04	50,455.04	22.20	50,455.04	81,643	728.19
Sailmaker's mates.....	50,455.04	50,455.04		50,455.04	28,798	728.19
Carpenter's mates.....	143,709.87	143,709.87		143,709.87	238,841	728.19
Water tender.....	138,352.62	138,352.62		138,352.62	202,016	718.58
Painter's first class.....	41,945.00	41,945.00	203.50	41,945.00	67,940	718.58
Yencomen, first class.....	1,109,339.00	1,109,339.24	53.24	1,109,339.24	1,759,400	728.50
First messengers, first class.....	75,680.71	75,680.71	16.50	75,680.71	124,636	728.50
First messengers.....	17,108.70	17,114.70	8.00	17,114.70	30,161	728.50
Commissary stewards.....	116,538.43	116,538.43	13.07	116,538.43	135,410	663.17
Ship's cooks, first class.....	224,043.91	244,362.91	249.06	244,362.91	304,744	772.79

Table 43.—ANALYSIS OF PAY OF THE NAVY BY RANKS AND RATINGS, FISCAL YEAR 1918—Continued.

RESERVES—Continued.

	Pay.	Commutation of quarters.	Heat and light.	Honorable discharge gratuities.	Total.	Average number of men in grade.	Average pay per year.
PETTY OFFICERS, FIRST CLASS—continued.							
Boatswain, first class.....	\$40,480.73				\$40,480.73	60,747	\$762.38
Pharmacists.....	21,471.24			\$178.50	21,649.74	33,688	705.35
Total.....	4,178,942.21			1,978.28	4,180,920.49		
PETTY OFFICERS, SECOND CLASS.							
Master-at-arms.....	19,432.32				19,432.32	32,469	600.48
Boatswain's mates, second class.....	231,453.70			219.06	231,672.76	408,112	580.13
Gunner's mates.....	103,613.65				103,613.65	181,324	583.22
Quartermasters.....	300,237.98			752.82	300,990.80	365,994	580.28
Machinist's mates.....	1,507,734.94			429.90	1,508,164.84	2,379,988	445.83
Electricians.....	349,385.01			22.83	34,417.84	549,988	448.32
Ship fitters.....	70,988.90				70,988.90	132,316	608.37
Oilers.....	283,497.77				283,497.77	473,243	621.05
Carpenter's mates.....	166,198.08				166,198.08	33,333	620.60
Primers.....	22,718.04				22,718.04	40,561	608.09
Painters.....	33,983.65				33,983.65	62,558	589.63
Yeomen.....	908,633.74			130.93	908,764.67	1,643,786	574.81
Storekeepers.....	102,800.98				102,800.98	1,185,736	573.88
Ship's cooks.....	283,638.83			17.07	283,655.89	387,719	637.89
Pharmacist's mates.....	36,674.87			20.00	36,694.87	65,711	600.14
Total.....	4,284,962.45			1,592.71	4,286,555.16		
PETTY OFFICERS, THIRD CLASS.							
Master-at-arms.....	15,801.39				15,801.39	30,741	560.01
Coarwain.....	486,922.33			80.90	486,972.73	874,697	694.67
Gunners' mates.....	538,617.73			284.00	538,901.73	306,783	691.96
Quartermaster.....	683,016.78			3,721.28	686,738.06	1,179,819	647.89
Electricians.....	186,016.78			74.40	186,091.18	1,043,300	570.49
Carpenter's mates.....	190,316.65				190,316.65	36,748	561.56
Painters.....	811,243.10			392.26	811,635.36	64,086	583.50
Yeomen.....	100,644.76				100,644.76	1,668,589	653.07
Storekeepers.....	82,944.57			8.87	82,953.44	208,063	576.78
Pharmacists.....						1,672,160	662.08
Total.....	2,817,368.10			4,587.71	2,821,955.81		

Table 53.—ANALYSIS OF PAY OF THE NAVY BY RANKS AND RATINGS, FISCAL YEAR 1918—Continued.

RESERVES—Continued.

	Pay.	Commutation of quarters.	Heat and light.	Honorable discharge gratuities.	Total.	Average number of men in grade.	Average pay per year.
INSULAR FORCE.							
Native coxswain.....	\$695.41				\$695.41	1.983	\$356.76
Native seamen.....	3,437.88				3,437.88	9.488	362.34
Native ordinary seamen.....	1,285.22				1,285.22	4.577	280.80
Native machinists, first class.....	1,578.13				1,578.13	8.561	184.34
Native machinists, second class.....	994.64				994.64	3.947	252.00
Native firemen, first class.....	49.05				49.05	.063	591.00
Native firemen, second class.....	29.12				29.12	.050	582.43
Native firemen, third class.....	147.93				147.93	.333	444.26
Mess attendants, native.....	50.54				50.54	.199	604.70
Total.....	8,267.82				2,267.82		
TEMPORARY RATINGS IN ADDITION TO REGULAR PAY.							
Navy mail clerk.....	3,249.05				3,249.05		
Assistant Navy mail clerk.....	284.60				284.60		
Coxswain of boats propelled by machinery.....	2,644.84				2,644.84		
Service on submarines.....	1,408.02				1,408.02		
Seaman in charge of hold.....	1,471.16				1,471.16		
Jacks of the dust.....	737.33				737.33		
Lampglazers.....	467.15				467.15		
Ship's tailor.....	1,873.66				1,873.66		
Tailors' helpers.....	6,956.82				6,956.82		
Chief petty officers detailed as instructors.....	291.83				291.83		
Gun pointers.....	801.65				801.65		
Gun captains.....	1,522.49				1,522.49		
Signal men.....	1,786.75				1,786.75		
Messmen.....	16,322.57				16,322.57		
Apprentice petty officers.....	7,470.13				7,470.13		
Seaman and ordinary seamen detailed in fireroom.....	4,292.16				4,292.16		
Submerged duty on submarines.....	2,299.46				2,299.46		
Extra-pay Article 442-6, Navy Regulations.....	5,087.20				5,087.20		
Extra-pay nurse acting as chief nurse.....	3,624.31				3,624.31		
One quarter additional after expiration of enlistment.....	61.72				61.72		
Interest on deposits by enlisted men.....	3,731.88				3,731.88		
Total.....	65,144.13				65,144.13		

NEW RATINGS ESTABLISHED BY ACT OF OCT. 6, 1917.

Chief special mechanics.....	5,800.38				5,800.38	14,161	461.60
Special mechanics, first class.....	4,194.53				4,194.53	4,394	1,026.60
Blacksmith, first class.....	9,521.66				9,521.66	19,669	556.09
Coppersmiths, first class.....	6,002.33				6,002.33	17,880	407.14
Pattern maker, first class.....	2,326.61				2,326.61	2,722	926.74
Molders, first class.....	1,831.54				1,831.54	868.41	
Engineers, first class.....	24,012.37	\$198.00			24,210.37	34,997	1,107.00
Engineers, second class.....	70,476.97				70,476.97	121,452	676.27
Blacksmith, second class.....	27,662.36				27,662.36	39,497	772.67
Coppersmiths, second class.....	17,828.70				17,828.70	25,125	782.30
Pattern maker, second class.....	1,661.59				1,661.59	2,363	727.30
Molder, second class.....	3,564.50				3,564.50	4,808	768.76
Total.....	174,902.64	198.00			175,100.64		

NATIONAL NAVAL VOLUNTEERS.

LINE AND FLYING CORPS.							
Rear admiral, lower half.....	86,000.00	81,152.00	8222.12		87,374.12	1,000	86,000.00
Captains.....	26,244.44	5,670.70	970.22		32,915.36	6,350	4,132.00
Commanders.....	50,449.92	7,156.80	1,118.06		57,724.80	11,000	3,586.35
Lieutenant commanders.....	107,787.54	11,174.00	2,151.97		121,113.51	83,897	3,176.80
Lieutenants.....	284,188.40	20,295.82	4,288.30		310,772.51	111,448	2,487.61
Lieutenants (junior grade).....	164,682.79	11,422.87	2,600.33		208,696.01	90,901	2,149.38
Ensigns.....	262,881.61	15,358.26	4,322.44		312,568.31	162,607	1,602.27
Total.....	963,214.90	73,239.15	15,683.57		1,041,137.62		
MEDICAL CORPS.							
Lieutenant commander.....	18,633.34	3,000.00	136.91		21,770.25	6,036	3,080.34
Lieutenants.....	41,439.65	2,807.60	621.46		44,768.71	16,079	2,577.26
Lieutenants (junior grade).....	44,574.84	3,943.20	904.59		49,422.63	21,152	2,107.96
Dental surgeons, lieutenant (junior grade).....	876.11				876.11	.413	2,128.76
Total.....	105,546.94	9,750.80	1,663.96		116,857.70		
PAY CORPS.							
Lieutenant commander.....	8,259.49	939.42	288.09		9,487.00	2,677	3,045.35
Lieutenants.....	39,734.71	5,873.60	1,163.07		46,771.38	15,694	2,631.64
Lieutenants (junior grade).....	4,640.98	624.80	154.07		5,419.85	2,166	2,142.65
Ensigns.....	18,207.18	1,520.00	422.26		20,149.44	10,250	1,776.31
Total.....	70,842.36	8,957.82	1,977.49		81,777.67		

Table 53.—ANALYSIS OF PAY OF THE NAVY BY RANKS AND RATINGS, FISCAL YEAR 1918—Continued.

NATIONAL NAVAL VOLUNTEERS—Continued.

	Pay.	Commutation of quarters.	Heat and light.	Honorable discharge gratuities.	Total.	Average number of men in grade.	Average pay per year.
CHAPLAINS.							
Commanders.....	\$3,004.19	\$660.00	\$130.48	.....	\$3,794.67	0.888	\$3,501.39
Lieutenant commanders.....	5,890.00	1,160.00	107.63	.....	6,857.63	1.816	3,078.19
Lieutenants.....	7,962.00	1,058.00	164.37	.....	8,912.37	3.130	2,457.60
Total.....	16,286.19	2,878.00	402.47	.....	19,564.66	.....	.....
CIVIL ENGINEERS.							
Lieutenant commander.....	3,666.28	.....	.....	.....	3,666.28	1.091	3,266.38
Lieutenants.....	1,896.92	.....	.....	.....	1,896.92	.669	2,390.50
Lieutenants (Junior Grade).....	649.99	.....	.....	.....	649.99	.260	2,199.96
Ensigns.....	1,023.90	.....	.....	.....	1,023.90	.541	1,862.60
Total.....	7,037.09	.....	.....	.....	7,037.09	.....	.....
Extra pay, aids to rear admirals.....	273.74	.....	.....	.....	273.74	.....	.....
Extra pay, aviation.....	5,132.50	.....	.....	.....	5,132.50	.....	.....
Total.....	5,406.24	.....	.....	.....	5,406.24	.....	.....
CHIEF WARRANT OFFICERS.							
Chief boatswain, pay of ensign.....	2,594.49	48.00	15.02	.....	2,837.51	1.350	1,870.66
Chief carpenter, pay of ensign.....	1,776.50	152.00	53.97	.....	1,982.47	1.000	1,776.50
Chief pharmacist, pay of ensign.....	520.73	92.80	35.78	.....	649.30	.469	1,746.93
Total.....	5,121.71	292.80	104.77	.....	5,519.28	.....	.....
WARRANT OFFICERS.							
Boatswains.....	768.75	242.75	56.38	.....	1,067.88	.687	1,200.68
Mechanists.....	6,763.56	675.30	219.65	.....	7,658.41	5.119	1,521.26
Pharmacists.....	3,940.61	588.80	176.47	.....	4,105.88	2.769	1,206.43
Pay clerks.....	10,789.73	1,392.80	448.04	.....	12,630.56	8.330	1,291.68
Gunners.....	890.64	74.40	24.99	.....	990.03	2.750	1,453.23
Total.....	21,032.28	2,973.65	925.53	.....	25,931.76	.....	.....

PERSONNEL.

PETTY OFFICERS, THIRD CLASS.												
Masters-at-arms.....	2,945.65										6,027	488.74
Coxswains.....	100,489.58										216,677	463.54
Gunnery mates.....	48,690.39										103,719	469.46
Quartermasters.....	42,333.54										89,821	471.81
Electricians.....	82,291.73										183,052	449.55
Carpenters' mates.....	28,116.44										59,498	473.27
Painters.....	4,965.85										10,673	465.27
Yeomen.....	63,299.42										137,895	473.64
Storekeepers.....	8,333.18										18,256	459.20
Pharmacists' mates.....	18,505.20										40,721	455.91
Total.....	400,080.98											
SEAMEN, FIRST CLASS.												
Hospital apprentices.....	21,212.59										49,044	432.56
Seaman runners.....	3,436.78										7,528	456.53
Seamen.....	428,963.01										1,000,867	414.89
Fremen.....	87,410.68										165,562	527.89
Shipwrights.....	7,220.58										18,301	394.54
Musicians.....	38,613.56										77,863	465.91
Ship's cooks.....	25,816.38										68,538	376.67
Bakers.....	10,505.15										20,005	525.12
Total.....	623,198.73											
SEAMEN, SECOND CLASS.												
Seamen.....	1,151,156.77										2,941,420	391.36
Fremen.....	168,470.91										361,572	465.94
Musicians.....	41,826.68										89,272	468.53
Buglers.....	24,338.70										53,118	458.20
Hospital apprentices.....	24,977.36										65,824	382.26
Ship's cooks.....	10,908.12										27,949	390.28
Total.....	1,421,678.54											
SEAMEN, THIRD CLASS.												
Apprentice seamen.....	188,462.26										483,027	328.06
Fremen.....	181,285.96										478,085	317.84
Landsmen.....	38,163.19										158,171	374.68
Total.....	367,921.01											
MESSMEN BRANCH.												
Cabin stewards.....	804.42										1,063	742.79
Cabin cooks.....	249.00										375	664.00
Wardroom stewards.....	2,328.31										8,430	678.80
Wardroom cooks.....	371.25										625	594.00
Warrant officers' cooks.....	262.50										375	780.00

Table 63.—ANALYSIS OF PAY OF THE NAVY BY RANKS AND RATINGS, FISCAL YEAR 1918—Continued.

NATIONAL NAVAL VOLUNTEERS—Continued.

	Pay.	Commutation of quarters.	Heat and light.	Honorable discharge gratuities.	Total.	Average number of men in grade.	Average pay per year.
MESSMEN BRANCH—continued.							
Mess attendants, first class (G. O. No. 62).....	\$4,832.37				\$4,832.37	10,025	\$483.00
Mess attendants, second class (G. O. No. 62).....	1,081.81				1,081.81	2,528	427.93
Mess attendants, third class (G. O. No. 62).....	1,399.39				1,399.39	.847	471.53
Mess attendants, first class.....	1,480.92				1,480.92	3,486	424.81
Mess attendants, second class.....	330.02				330.02	.841	392.41
Mess attendants, third class.....	391.35				391.35	1,075	364.40
Total.....	12,561.37				12,561.37		
INSULAR FORCE.							
Native coxswains.....	1,983.27				1,983.27	6,703	191.09
Native seamen.....	2,723.46				2,723.46	7,762	264.06
Native ordinary seamen.....	529.62				529.62	7,392	106.87
Native machinists, first class.....	60.90				60.90	5,126	108.12
Native machinists, second class.....						.608	100.18
Total.....	4,880.31				4,880.31		
CHIEF PETTY OFFICERS.							
<i>Permanent appointments.</i>							
Chief masters-at-arms.....	252.47				252.47	221	1,143.39
Chief boatswains' mates.....	1,593.67				1,593.67	1,605	992.94
Chief gunners' mates.....	2,459.74				2,459.74	2,503	982.72
Chief turret captains.....	300.01				300.01	280	1,200.04
Chief quartermasters.....	1,281.94				1,281.94	1,219	1,051.63
Chief machinists' mates.....	5,124.99				5,124.99	6,097	1,055.49
Chief electricians.....	2,248.70				2,248.70	2,544	883.92
Chief carpenters' mates.....	2,358.30				2,358.30	2,524	934.35
Chief water tenders.....	1,555.23				1,555.23	1,860	834.35
Chief yeomen.....	5,774.53				5,774.53	6,288	976.70
Chief pharmacists' mates.....	1,475.24				1,475.24	1,619	911.27
Ban imasters.....	2,351.97				2,351.97	2,616	898.07
Chief commissary stewards.....	1,164.54				1,164.54	1,166	998.74
Chief storekeepers.....	1,207.50				1,207.50	.208	996.82
Total.....	28,148.91				28,148.91		

PERSONNEL.

Acting appointments.

Chief master-at-arms.....	7,164.88				7,164.88	7,827	915.40
Chief boatswain's mates.....	22,380.01				22,380.01	24,508	835.16
Chief gunnery's mates.....	11,970.26				11,970.26	728.83	728.83
Chief turret captains.....	247.50				247.50	305	811.47
Chief quartermasters.....	19,556.93			\$242.00	19,798.93	24,511	746.82
Chief machinists' mates.....	50,669.79				50,669.79	80,766	998.10
Chief electricians.....	22,748.44				22,748.44	24,449	859.93
Chief carpenters' mates.....	7,865.91				7,865.91	10,664	737.61
Chief water tenders.....	7,861.06				7,861.06	10,750	731.35
Chief yeomen.....	62,791.48				62,791.48	82,586	760.25
Chief printers.....	1,807.80				1,807.80	2,117	853.94
Chief pharmacists' mates.....	7,116.46				7,116.46	8,502	837.03
Bandmaster.....	6,887.83				6,887.83	9,519	734.08
Chief commissary stewards.....	7,009.96				7,009.96	9,887.57	988.57
Chief storekeeper.....	3,372.44				3,372.44	6,611	706.70
Total.....	289,459.05		242.00		289,701.05		
PETTY OFFICERS, FIRST CLASS.							
Masters-at-arms.....	7,542.03				7,542.03	12,481	604.28
Boatswain's mates.....	36,302.57				36,302.57	88,053	625.34
Gunnery's mates.....	17,625.51				17,625.51	26,250	602.58
Turret captains.....	438.34				438.34	611	717.41
Quartermasters.....	23,146.36				23,146.36	38,383	603.04
Boiler makers.....	10,437.36				10,437.36	14,691	710.46
Machinists.....	65,719.70				65,719.70	798.02	766.69
Coppersmiths.....	7,766.37				7,766.37	8,722	798.02
Ship fitters.....	8,215.99				8,215.99	10,998	747.96
Electricians.....	42,668.96				42,668.96	64,633	713.63
Blacksmiths.....	5,770.02				5,770.02	94,791	713.63
Plumbers and fitters.....	47,254.56				47,254.56	72,249	744.22
Printers.....	6,632.31				6,632.31	7,753	744.22
Sailmakers' mates.....	1,479.08				1,479.08	10,649	664.06
Carpenters' mates.....	15,683.28				15,683.28	2,353	621.68
Water tenders.....	29,513.28				29,513.28	34,942	622.79
Painters.....	4,322.76				4,322.76	45,173	618.87
Cook.....	61,136.69				61,136.69	12,527	645.63
Storekeepers.....	2,266.31				2,266.31	101,010	905.44
First musicians.....	16,431.95				16,431.95	4,260	710.56
Commissary stewards.....	6,631.14				6,631.14	7,584	807.54
Ship's cooks.....	19,629.63				19,629.63	24,589	938.57
Bakers.....	19,629.63				19,629.63	24,583	667.11
Pharmacists' mates.....	6,464.28				6,464.28	7,283	667.11
Total.....	446,338.19				446,338.19	10,933	585.78

Table 53.—ANALYSIS OF PAY OF THE NAVY BY RANKS AND RATINGS, FISCAL YEAR 1918—Continued.

NATIONAL NAVAL VOLUNTEERS—Continued.

	Pay.	Commutation of quarters.	Heat and light.	Honorable discharge gratuities.	Total.	Average number of men in grade.	Average pay per year.
PETTY OFFICERS, SECOND CLASS.							
Masters-at-arms.....	\$3,794.09				\$3,794.09	6,877	\$551.71
Boatswain's mates.....	44,704.52				44,704.52	83,738	533.86
Gunners' mates.....	30,644.24				30,644.24	57,266	535.12
Quartermasters.....	34,300.89				34,300.89	63,284	541.71
Mechanists' mates.....	130,531.86				130,531.86	202,749	643.81
Electricians.....	45,518.59				45,518.59	76,944	592.35
Ship fitters.....	18,394.69				18,394.69	30,727	598.05
Others.....	47,783.96				47,783.96	84,780	563.63
Carpenters' mates.....	23,636.38				23,636.38	43,538	542.80
Printers.....	3,002.29				3,002.29	5,486	552.29
Yeomen.....	7,344.11				7,344.11	16,286	450.94
Painters.....	56,145.83				56,145.83	105,072	534.35
Storekeepers.....	4,668.90				4,668.90	8,721	535.36
Ships' cooks.....	18,800.96				18,800.96	31,657	593.80
Pharmacists' mates.....	13,791.50				13,791.50	25,677	537.11
Total.....	483,062.81				483,062.81		
TEMPORARY RATINGS IN ADDITION TO REGULAR PAY.							
Navy mail clerks.....	1,397.43				1,397.43		
Assistant Navy mail clerks.....	171.50				171.50		
Coxswains of boats propelled by machinery.....	1,068.52				1,068.52		
Service on submarines.....	451.83				451.83		
Seamen in charge of hold.....	530.17				530.17		
Jacks of the dusk.....	724.49				724.49		
Lamplighters.....	465.17				465.17		
Ships' tailors.....	1,264.39				1,264.39		
Tailors' helpers.....	190.62				190.62		
Gun pointers.....	2,457.99				2,457.99		
Gun captains.....	4,017.49				4,017.49		
Signalmen.....	1,564.82				1,564.82		
Messmen.....	13,242.92				13,242.92		
Apprentice petty officers.....	8,856.39				8,856.39		
Seaman and ordinary seamen detailed in fireroom.....	365.63				365.63		
Submerged duty on submarines.....	2,549.76				2,549.76		
Extra pay, arts. 4427-4429, Navy Regulations.....	19,988.22				19,988.22		
Extra pay, nurse acting as chief nurse.....	1,377.06				1,377.06		

One-quarter additional after expiration of enlistment.
Interest of deposits by enlisted men.

247.26	247.26					
1,854.73	1,854.73					
Total.	62,689.90	62,689.90				
NEW RATINGS ESTABLISHED BY ACT OF OCT. 6, 1917.						
Special mechanics.....	267.89	267.89			.422	698.53
Special mechanics, first-class.....	633.54	633.54			1.931	690.50
Blacksmiths, first-class.....	973.00	973.00			1.847	526.74
Coppersmiths, first-class.....	967.14	967.14			1.119	855.35
Pattern makers, first-class.....	216.00	216.00			.250	864.00
Molders, first-class.....	155.00	155.00			1.166	930.00
Enginemen, first-class.....	5,390.70	5,390.70			8.355	644.00
Enginemen, second-class.....	17,066.82	17,066.82			30.353	563.29
Blacksmiths, second-class.....	4,255.68	4,255.68			6.598	711.32
Coppersmiths, second-class.....	1,548.51	1,548.51			2.114	732.50
Pattern makers, second-class.....	545.91	545.91			1.530	618.90
Molders, second-class.....	393.50	393.50			.542	726.01
Total.	32,842.60	32,842.60				

FLYING CORPS.

LINE AND FLYING CORPS.						
Lieutenant commanders.....	\$3,595.74	\$905.16	\$177.26			\$4,170.66
Lieutenants.....	30,989.98	5,049.44	688.27		2.061	3,046.59
Lieutenants (junior grade).....	10,739.40	1,771.14	313.73		10.172	2,392.10
Ensigns.....	167,572.99	16,533.74	4,171.76		4.068	2,656.64
Total.	217,887.96	24,259.48	5,301.02		81.630	
MEDICAL CORPS.						
Burgeons, lieutenants.....	2,866.66	323.20	36.06		1.018	2,836.61
NAVAL CONSTRUCTORS.						
Naval constructors, commanders.....	5,279.17	1,002.00	69.66		1.063	4,966.30
CIVIL ENGINEERS.						
Civil engineers, lieutenants (junior grade).....	1,577.76	319.20	55.92		.788	2,000.91
Extra pay, aids to rear admirals.....	30.50					
Extra pay, aviation duty.....	34,874.23	3,607.81				38,482.04
Total.	34,904.73	3,607.81				34,904.73

Table 53.—ANALYSIS OF PAY OF THE NAVY BY BANKS AND RATINGS, FISCAL YEAR 1918—Continued.

FLYING CORPS—Continued.

	Pay.	Commutation of quarters.	Heat and light.	Honorable discharge gratuities.	Total.	Average number of men in grade.	Average pay per year.
WARRANT OFFICERS.							
Boatswains.....	\$5,408.34	\$477.40	\$118.32	.....	\$6,004.06	2,708	\$1,960.24
Gunners.....	983.17	80.60	31.01	.....	1,113.78	625	1,801.76
Machinists.....	6,831.19	1,039.64	260.70	.....	8,131.53	3,317	2,059.45
Carpenters.....	1,090.01	185.76	30.15	.....	1,275.92	650	1,630.78
Pharmacists.....	500.00	72.00	27.62	.....	599.62	250	2,000.00
Pay clerks.....	978.81	141.00	52.27	.....	1,172.08	580	1,887.60
Total.....	15,771.52	2,005.40	520.07	.....	18,296.99	.....	.....
CHIEF PETTY OFFICERS.							
<i>Permanent appointments.</i>							
Chief master at arms.....	47.20	.....	.....	.....	47.20	.041	1,151.22
Chief boatswains' mates.....	2,768.91	.....	.....	.....	2,768.91	2,197	1,210.25
Chief gunners' mates.....	1,586.58	.....	.....	.....	1,972.42	1,236	1,696.90
Chief turret captains.....	810.51	.....	.....	\$385.84	1,196.35	475	1,706.33
Chief quartermasters.....	16,653.39	.....	.....	.....	17,021.15	16,166	1,052.90
Chief machinists' mates.....	14,176.52	.....	.....	367.76	14,544.28	9,875	1,435.69
Chief electricians.....	3,170.77	.....	.....	.....	3,170.77	2,238	1,416.63
Chief carpenters' mates.....	3,721.91	.....	.....	.....	3,721.91	2,922	1,270.33
Chief water tenders.....	1,089.10	.....	.....	.....	1,089.10	972	1,120.47
Chief yeomen.....	788.56	.....	.....	.....	788.56	747	1,055.63
Chief pharmacists' mates.....	356.79	.....	.....	.....	356.79	336	1,061.87
Total.....	46,100.24	.....	.....	753.60	46,913.84	.....	.....
<i>Acting appointments.</i>							
Chief boatswains' mates.....	516.85	.....	.....	.....	516.85	544	960.09
Chief gunners' mates.....	706.50	.....	.....	.....	706.50	699	1,056.06
Chief quartermasters.....	2,685.95	.....	.....	.....	2,685.95	2,764	971.76
Chief machinists' mates.....	5,636.67	.....	.....	.....	5,636.67	4,366	1,261.04
Chief electricians.....	3,151.28	.....	.....	.....	3,151.28	2,861	1,101.46
Chief carpenters' mates.....	951.52	.....	.....	.....	951.52	1,266	751.60
Chief water tenders.....	263.21	.....	.....	.....	263.21	200	1,376.05
Chief yeomen.....	522.20	.....	.....	.....	522.20	677	890.48
Chief pharmacists' mates.....	708.81	.....	.....	264.00	967.81	780	1,240.78
Bandmasters.....	121.30	.....	.....	.....	121.30	133	912.03
Total.....	15,035.29	.....	.....	264.00	15,299.29	.....	.....

PETTY OFFICERS, FIRST CLASS.		PETTY OFFICERS, SECOND CLASS.		PETTY OFFICERS, THIRD CLASS.	
Boatswains' mates, first class.....	915.45	915.45	915.45	915.45	915.45
Gunners' mates, first class.....	672.46	672.46	672.46	672.46	672.46
Quartermasters, first class.....	12,698.06	12,698.06	12,698.06	12,698.06	12,698.06
Boiler makers.....	19,370.26	19,370.26	19,370.26	19,370.26	19,370.26
Machinists' mates, first class.....	18,455.84	18,455.84	18,455.84	18,455.84	18,455.84
Coppersmiths.....	889.76	889.76	889.76	889.76	889.76
Ship fitters, first class.....	3,206.71	3,206.71	3,206.71	3,206.71	3,206.71
Electricians, first class.....	2,471.15	2,471.15	2,471.15	2,471.15	2,471.15
Blacksmiths.....	416.22	416.22	416.22	416.22	416.22
Sailmakers' mates.....	30.70	30.70	30.70	30.70	30.70
Carpenters' mates, first class.....	1,164.26	1,164.26	1,164.26	1,164.26	1,164.26
Water tenders.....	1,043.70	1,043.70	1,043.70	1,043.70	1,043.70
Yeomen, first class.....	365.99	365.99	365.99	365.99	365.99
Commissary stewards.....	990.96	990.96	990.96	990.96	990.96
Ships' cooks, first class.....	1,058.33	1,058.33	1,058.33	1,058.33	1,058.33
Pharmacists' mates, first class.....	557.64	557.64	557.64	557.64	557.64
Total.....	44,801.49	44,801.49	44,801.49	44,801.49	44,801.49
PETTY OFFICERS, SECOND CLASS.					
Boatswains' mates, second class.....	1,072.91	1,072.91	1,072.91	1,072.91	1,072.91
Gunners' mates, second class.....	143.74	143.74	143.74	143.74	143.74
Quartermasters, second class.....	51,053.15	51,053.15	51,053.15	51,053.15	51,053.15
Machinists' mates, second class.....	85,203.37	85,203.37	85,203.37	85,203.37	85,203.37
Electricians, second class.....	1,855.31	1,855.31	1,855.31	1,855.31	1,855.31
Ship fitters, second class.....	264.00	264.00	264.00	264.00	264.00
Oilers.....	264.92	264.92	264.92	264.92	264.92
Carpenters' mates, second class.....	8,210.35	8,210.35	8,210.35	8,210.35	8,210.35
Painters, second class.....	32.55	32.55	32.55	32.55	32.55
Yeomen, second class.....	921.99	921.99	921.99	921.99	921.99
Storekeepers, second class.....	144.96	144.96	144.96	144.96	144.96
Ships' cooks, second class.....	184.00	184.00	184.00	184.00	184.00
Pharmacists' mates, second class.....	644.26	644.26	644.26	644.26	644.26
Total.....	149,995.51	149,995.51	149,995.51	149,995.51	149,995.51
PETTY OFFICERS, THIRD CLASS.					
Coxswains.....	1,509.04	1,509.04	1,509.04	1,509.04	1,509.04
Gunners' mates, third class.....	304.00	304.00	304.00	304.00	304.00
Quartermasters, third class.....	1,253.07	1,253.07	1,253.07	1,253.07	1,253.07
Electricians, third class.....	1,080.01	1,080.01	1,080.01	1,080.01	1,080.01
Carpenters' mates, third class.....	4,402.03	4,402.03	4,402.03	4,402.03	4,402.03
Painters, third class.....	333.53	333.53	333.53	333.53	333.53
Yeomen, third class.....	1,564.60	1,564.60	1,564.60	1,564.60	1,564.60
Storekeepers, third class.....	26.97	26.97	26.97	26.97	26.97
Pharmacists' mates, third class.....	754.74	754.74	754.74	754.74	754.74
Total.....	11,126.99	11,126.99	11,126.99	11,126.99	11,126.99
Boatswains' mates, first class.....		1,058.34		1,058.34	
Gunners' mates, first class.....		529.17		529.17	
Quartermasters, first class.....		16,696		16,696	
Boiler makers.....		19,370.26		19,370.26	
Machinists' mates, first class.....		18,455.84		18,455.84	
Coppersmiths.....		889.76		889.76	
Ship fitters, first class.....		3,206.71		3,206.71	
Electricians, first class.....		2,471.15		2,471.15	
Blacksmiths.....		416.22		416.22	
Sailmakers' mates.....		30.70		30.70	
Carpenters' mates, first class.....		1,164.26		1,164.26	
Water tenders.....		1,043.70		1,043.70	
Yeomen, first class.....		365.99		365.99	
Commissary stewards.....		990.96		990.96	
Ships' cooks, first class.....		1,058.33		1,058.33	
Pharmacists' mates, first class.....		557.64		557.64	
Total.....		44,801.49		44,801.49	
Boatswains' mates, second class.....		1,072.91		1,072.91	
Gunners' mates, second class.....		143.74		143.74	
Quartermasters, second class.....		51,053.15		51,053.15	
Machinists' mates, second class.....		85,203.37		85,203.37	
Electricians, second class.....		1,855.31		1,855.31	
Ship fitters, second class.....		264.00		264.00	
Oilers.....		264.92		264.92	
Carpenters' mates, second class.....		8,210.35		8,210.35	
Painters, second class.....		32.55		32.55	
Yeomen, second class.....		921.99		921.99	
Storekeepers, second class.....		144.96		144.96	
Ships' cooks, second class.....		184.00		184.00	
Pharmacists' mates, second class.....		644.26		644.26	
Total.....		149,995.51		149,995.51	
Coxswains.....		1,509.04		1,509.04	
Gunners' mates, third class.....		304.00		304.00	
Quartermasters, third class.....		1,253.07		1,253.07	
Electricians, third class.....		1,080.01		1,080.01	
Carpenters' mates, third class.....		4,402.03		4,402.03	
Painters, third class.....		333.53		333.53	
Yeomen, third class.....		1,564.60		1,564.60	
Storekeepers, third class.....		26.97		26.97	
Pharmacists' mates, third class.....		754.74		754.74	
Total.....		11,126.99		11,126.99	

Table 63.—ANALYSIS OF PAY OF THE NAVY BY RANKS AND RATINGS, FISCAL YEAR 1918—Continued.

FLYING CORPS—Continued.

	Pay.	Commutation of quarters.	Heat and light.	Honorable discharge gratuities.	Total.	Average number of men in grade.	Average pay per year.
SEAMEN, FIRST CLASS.							
Hospital apprentices, first class.....	\$986.01				\$986.01	2.233	\$440.58
Seamen, first class.....	4,714.98				4,714.98	14.063	335.21
Firemen, first class.....	1,714.88			\$181.99	1,896.87	3.711	505.13
Shipwrights.....	274.26				274.26	.715	383.23
Musicians, first class.....	18.73				18.73	.030	624.23
Ships' cooks, first class.....	1,036.65				1,036.65	2.262	461.69
Ships' cooks, second class.....	286.00				286.00	.528	474.88
Bakers.....	286.00				286.00		
Total.....	9,028.04			181.99	9,210.03		
SEAMEN, SECOND CLASS.							
Seamen, second class.....	13,647.62				13,647.62	38.813	351.62
Firemen, second class.....	1,632.95				1,632.95	4.136	394.81
Musicians, second class.....	274.26				274.26	.569	482.03
Hospital apprentices, second class.....	92.70				92.70	.246	376.83
Ships' cooks, fourth class.....	286.96				286.96	.783	366.49
Buglers.....	263.00				263.00	.575	457.39
Total.....	16,197.49				16,197.49		
SEAMEN, THIRD CLASS.							
Apprentice seamen.....	192.32				192.32	.464	397.35
Firemen, third class.....	3,830.16				3,830.16	7.405	517.24
Landmen.....	213,446.05			105.60	213,551.65	532.517	401.02
Total.....	217,468.53			105.60	217,574.13		
MESSEMN BRANCH.							
Cabin stewards.....	243.19				243.19	.246	988.54
Cabin cooks.....	359.57				359.57	.493	729.96
Wardroom stewards.....	183.41				183.41	.246	746.56
Wardroom cooks.....	132.99				132.99	.246	621.90
Miss attendants, third class (O. O. No. 62).....	283.60				283.60	1.680	460.01
Miss attendants, first class.....	373.29				373.29	1.120	333.32
Miss attendants, second class.....	112.94				112.94	.421	292.02
Miss attendants, third class.....	622.96				622.96	2.117	246.96
Total.....	2,232.14				2,232.14		

TEMPORARY RATINGS IN ADDITION TO REGULAR PAY.

Navy mail clerks.....	12.50				12.50		
Locksman of boats propelled by machinery.....	39.17				39.17		
Locksman of the dock.....	15.00				15.00		
Lamp lighters.....	15.00				15.00		
Gun captains.....	10.67				10.67		
Messmen.....	454.01				454.01		
One-quarter additional after expiration of enlistment.....	5.50				5.50		
Total.....	551.85				551.85		
NEW RATING ESTABLISHED BY ACT OF OCT. 6, 1917.							
Blacksmiths first class.....	964.90				964.90	1.000	964.90
Coppersmiths first class.....	610.81				610.81	.669	913.02
Enginemen first class.....	153.69				153.69	.2305	666.76
Molders first class.....	2.39				2.39	.002	1,195.00
Enginemen second class.....	291.98				291.98	.500	1,583.96
Blacksmiths second class.....	1,428.27				1,428.27	1.969	725.38
Coppersmiths second class.....	2,912.02				2,912.02	3.905	561.34
Molders second class.....	25.66				25.66	.038	675.94
Total.....	6,389.62				6,389.62		

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PRISONERS.

CHIEF PETTY OFFICERS.							
<i>Permanent appointments.</i>							
Chief carpenters' mates.....	\$104.74				\$104.74	0.100	\$1,047.40
Total.....	104.74				104.74		
<i>Acting appointments.</i>							
Chief boatswains mates.....	56.10				56.10	.091	616.48
Total.....	56.10				56.10		
PETTY OFFICERS, FIRST CLASS.							
Gunners' mates, first class.....	67.60				67.60	.108	625.92
Quartermasters.....	66.00				66.00	.125	528.00
Machinists' mates.....	191.74				191.74	.322	595.47
Coppersmiths.....	283.74				283.74	.356	797.02
Blacksmiths.....	155.85				155.85	.236	650.38

Table 63.—ANALYSIS OF PAY OF THE NAVY BY RANKS AND RATINGS, FISCAL YEAR 1918—Continued.

PRISONERS—Continued.

	Pay.	Commutation of quarters.	Heat and light.	Honorable discharge gratuities.	Total.	Average number of men in grade.	Average pay per year.
PETTY OFFICERS, FIRST CLASS—continued.							
Water tenders.....	\$831.31				\$831.31	1.309	\$635.55
Yeomen.....	24.94				24.94	.047	530.04
Commissary stewards.....	301.88				301.88	.344	877.47
Bakers.....	314.54				314.54	.568	548.72
Total.....	2,137.57				2,137.57		
PETTY OFFICERS, SECOND CLASS.							
Boatswains' mates.....	30.90				30.90	.066	466.66
Mechanics' mates.....	836.77				836.77	1.400	597.69
Electricians.....	413.43				413.43	.727	568.68
Ship fitters.....	320.67				320.67	.514	623.87
Others.....	578.48				578.48	.925	625.38
Yeomen.....	490.44				490.44	.900	544.93
Ship's cooks.....	67.49				67.49	.109	624.90
Total.....	2,738.08				2,738.08		
PETTY OFFICERS, THIRD CLASS.							
Coxswains.....	567.99				567.99	1.066	532.82
Quartermasters.....	347.04				347.04	.647	365.38
Electricians.....	68.20				68.20	.173	396.51
Painters.....	35.20				35.20	.089	383.25
Yeomen.....	108.60				108.60	.219	483.62
Pharmacists' mates.....	20.24				20.24	.063	321.77
Total.....	1,145.27				1,145.27		
SEAMEN, FIRST CLASS.							
Hospital apprentices.....	703.92				703.92	1.830	384.66
Seaman gunners.....	1,164.05				1,164.05	2.344	496.60
Seamen.....	65,110.15				65,110.15	121,619	453.13
Firemen.....	23,499.69				23,499.69	38,727	606.80
Shipwrights.....	2,236.13				2,236.13	8,766	388.33
Musicians.....	294.96				294.96	.498	605.91

Ships' cooks.....	3, 571. 57				8, 571. 57	7, 489	478. 18
Bakers.....	2, 111. 46				2, 111. 46	3, 381	542. 63
Total.....	55, 864. 92				88, 864. 92		
SEAMEN, SECOND CLASS.							
Seamen.....	198, 557. 25				198, 557. 25	504, 150	392. 29
Firemen.....	51, 066. 54				51, 066. 54	111, 581	481. 88
Musicians.....	694. 55				694. 55	3, 360	471. 35
Boatswain.....	1, 228. 20				1, 228. 20	3, 369	462. 95
Hospital apprentices.....	2, 043. 01				2, 043. 01	6, 091	333. 77
Ships' cooks.....	8, 489. 82				8, 489. 82	9, 177	377. 00
Total.....	257, 919. 37				257, 919. 37		
SEAMEN, THIRD CLASS.							
Apprentice seamen.....	30, 008. 25				30, 008. 25	78, 605	384. 18
Firemen.....	116, 268. 03				116, 268. 03	288, 075	400. 11
Landsmen.....	24, 008. 07				24, 008. 07	62, 073	386. 08
Total.....	169, 284. 07				169, 284. 07		
MESSMEN BRANCH.							
Cabin stewards.....	288. 76				288. 76	.031	931. 41
Cabin cooks.....	243. 53				243. 53	.031	731. 21
Wardroom stewards.....	846. 58				846. 58	.033	301. 06
Wardroom cooks.....	244. 40				244. 40	.031	788. 24
Stewards.....	30. 80				30. 80	.031	400. 00
Stewards' cooks.....	148. 90				148. 90	.077	411. 22
Mess attendants, first class (G. O. No. 62).....	151. 78				151. 78	.081	310. 22
Mess attendants, third class (G. O. No. 62).....	629. 63				629. 63	2, 084	320. 22
Mess attendants, first class.....	1, 810. 47				1, 810. 47	3, 069	319. 04
Mess attendants, first class.....	1, 810. 47				1, 810. 47	3, 069	321. 09
Mess attendants, second class.....	1, 823. 33				1, 823. 33	3, 170	539. 90
Mess attendants, third class.....	7, 094. 81				7, 094. 81	18, 036	544. 24
Total.....	14, 762. 42				14, 762. 42		
INSULAR FORCE.							
Native seamen.....	100. 73				100. 73	.073	281. 77
Native ordinary seamen.....	99. 00				99. 00	.073	135. 61
Total.....	209. 73				209. 73		

Table 54.—EMPLOYEES IN PRINCIPAL NAVY YARDS IN THE UNITED STATES.
NUMBER, TOTAL PAY, AND AVERAGE PAY, AS OF DATE JULY 1, 1917.

	Employees in Group I (un- skilled labor).			Employees in Group II (par- tially skilled labor).			Employees in Group III (artisans).			Total number of employees in Groups I, II, and III.		
	Number.	Total of daily pay roll.	Average pay.	Number.	Total of daily pay roll.	Average pay.	Number.	Total of daily pay roll.	Average pay.	Number.	Total of daily pay roll.	Average pay.
Portsmouth, N. H.....	142	\$297.68	\$2.10	872	\$1,944.64	\$2.22	1,191	\$4,568.00	\$3.86	2,135	\$6,840.32	\$3.20
Boston, Mass.....	627	1,540.08	2.46	1,228	3,146.08	2.56	2,204	8,601.22	3.90	4,059	13,287.38	3.72
Newport, R. I.....	169	401.08	2.38	698	1,624.86	2.33	1,391	5,719.22	3.98	2,258	7,545.26	2.96
New York, N. Y.....	1,500	3,528.08	2.35	2,941	6,972.08	2.37	4,566	17,724.44	3.88	9,007	28,224.60	3.24
Philadelphia, Pa.....	776	1,702.44	2.19	1,458	3,314.72	2.27	3,891	14,832.16	3.81	6,125	19,849.32	3.14
Washington, D. C.....	687	1,545.04	2.25	1,364	3,148.44	2.31	3,684	15,819.64	4.29	5,735	20,514.32	2.95
Norfolk, Va.....	1,648	2,989.48	1.81	1,525	3,270.32	2.13	3,224	11,626.20	3.67	6,397	18,086.00	2.83
Charleston, S. C.....	470	777.04	1.65	661	1,206.32	1.83	1,589	4,359.77	2.74	2,720	6,346.13	2.33
Mare Island, Calif.....	754	1,807.12	2.41	1,101	2,836.11	2.58	1,894	7,588.90	4.01	3,749	12,232.13	3.00
Puget Sound, Wash.....	460	1,208.53	2.63	603	1,623.44	2.69	1,100	4,407.47	4.01	2,163	7,239.44	3.11
Total.....	7,233	15,796.57	2.22	12,381	28,891.11	2.35	24,734	95,477.22	3.81	44,348	140,164.90	3.00
Average.....												

NUMBER, TOTAL PAY, AND AVERAGE PAY, AS OF DATE JULY 1, 1918.

Portsmouth, N. H.....	59	\$198.80	\$3.20	2,371	\$5,335.06	\$3.52	1,999	\$10,501.30	\$5.25	4,429	\$19,026.18	\$4.30
Boston, Mass.....	1,129	3,606.88	3.19	2,865	10,290.86	3.59	4,755	23,897.32	5.03	8,749	37,785.16	4.32
Newport, R. I.....	350	993.12	3.02	1,212	3,672.76	3.46	1,780	9,954.48	5.49	3,342	14,820.36	4.24
New York, N. Y.....	3,020	9,519.34	3.15	3,962	13,948.10	3.52	7,356	37,244.96	5.06	14,338	60,712.40	4.23
Philadelphia, Pa.....	1,897	6,026.44	3.18	2,521	8,718.32	3.46	4,182	22,067.62	5.28	8,000	36,812.38	4.28
Washington, D. C.....	1,313	4,198.96	3.19	2,032	7,132.36	3.51	5,591	31,604.50	5.65	8,936	42,925.82	4.12
Norfolk, Va.....	2,834	8,784.92	3.10	2,029	7,367.08	3.63	3,166	21,962.40	5.27	8,029	38,114.40	4.22
Charleston, S. C.....	602	1,501.04	2.49	1,048	3,462.62	3.30	2,617	11,006.19	4.20	4,267	15,969.85	3.74
Mare Island, Calif.....	1,042	3,720.16	3.57	2,980	10,871.33	3.65	3,372	18,093.70	5.65	7,394	32,685.19	4.29
Puget Sound, Wash.....	1,349	1,171.44	3.36	2,315	6,626.10	3.81	2,467	13,575.46	5.50	5,131	21,573.00	4.22
Total.....	12,595	39,701.10	3.15	23,335	83,814.71	3.56	37,285	199,907.98	5.24	73,215	323,423.74	4.47
Average.....												

Table 55.—CLERICAL FORCE (CLASSIFIED EMPLOYEES) OF THE NAVAL ESTABLISHMENT, FISCAL YEARS 1917 AND 1918.

Authorizing act.	Appropriation title.	Number.	
		1917	1918
Naval.....	Pay, miscellaneous.....	230	354
Do.....	Construction and repair of vessels.....	1,187	2,206
Do.....	Ordnance and ordnance stores.....	745	1,484
Do.....	Engineering.....	805	1,384
Do.....	Maintenance, Bureau of Supplies and Accounts.....	1,638	3,286
Do.....	Maintenance, Bureau of Yards and Docks.....	658	1,283
Do.....	Maintenance, naval training station, Rhode Island.....	3	4
Do.....	Maintenance, Naval War College, Rhode Island.....	16	8
Do.....	Maintenance, naval training station, Great Lakes.....	1	1
Do.....	Aviation.....	24	266
Total.....		5,307	10,266

Table 56.—CLERICAL FORCE, NAVY DEPARTMENT, FISCAL YEARS 1917 AND 1918.

Authorizing act.	Appropriation title.	Number.	
		1917	1918
Legislative, executive, and judicial.....	Various regular salary appropriations.....	647	725
Do.....	Salaries, additional employees (lump sum).....		890
Deficiency act, Sept. 28, 1916.....	Salaries, additional employees (specific).....	69	
Deficiency act, June 15, 1917.....	Salaries, additional employees (lump sum).....	34	
Naval.....	Construction and repair of vessels.....	140	194
Do.....	Engineering.....	62	98
Do.....	Ordnance and ordnance stores.....	18	65
Do.....	Maintenance, Bureau of Yards and Docks.....	210	334
Total.....		1,180	2,306

Table 57.—ENLISTED STRENGTH AS FIXED BY LAW, MAR. 3, 1885, TO AUG. 28, 1916.

Act of—	
Mar. 3, 1885 (48th Cong., 2d sess.).....	8,250
July 26, 1886 (49th Cong., 1st sess.).....	8,250
Mar. 3, 1887 (49th Cong., 2d sess.).....	8,250
Sept. 7, 1888 (50th Cong., 1st sess.).....	8,250
Mar. 2, 1889 (50th Cong., 2d sess.).....	8,250
June 30, 1890 (51st Cong., 1st sess.).....	8,250
Mar. 2, 1891 (51st Cong., 2d sess.).....	8,250
July 19, 1892 (52d Cong., 1st sess.).....	8,250
Mar. 3, 1893 (52d Cong., 2d sess.).....	9,000
July 26, 1894 (53d Cong., 2d sess.).....	9,000
Mar. 2, 1895 (53d Cong., 3d sess.).....	9,000
June 10, 1896 (54th Cong., 1st sess.).....	10,000
Mar. 3, 1897 (55th Cong., 1st sess.).....	11,750
May 4, 1898 ¹ (55th Cong., 2d sess.).....	13,750
Mar. 3, 1899 (55th Cong., 3d sess.).....	20,000
June 7, 1900 (56th Cong., 1st sess.).....	20,000
Mar. 3, 1901 (56th Cong., 2d sess.).....	25,050
July 1, 1902 (57th Cong., 1st sess.).....	28,000
Mar. 3, 1903 (57th Cong., 2d sess.).....	31,000
Apr. 27, 1904 (58th Cong., 2d sess.).....	34,000

¹ Under act of May 4, 1898, the Secretary of the Navy was authorized to enlist as many seamen, hands, and boys as he deemed necessary. The greatest number in service during 1898, 22,822; the greatest number in service during 1899, 24,123.

Table 57.—ENLISTED STRENGTH AS FIXED BY LAW. MAR. 3, 1885, TO JULY 1, 1918—Continued.

Act of—	
Mar. 3, 1905 (58th Cong., 3d sess.).....	37, 000
June 29, 1906 (59th Cong., 1st sess.).....	37, 000
Mar. 2, 1907 (59th Cong., 2d sess.).....	38, 500
May 13, 1908 (60th Cong., 1st sess.).....	44, 500
Mar. 3, 1909 (60th Cong., 2d sess.).....	44, 500
June 24, 1910 (61st Cong., 2d sess.).....	47, 500
Mar. 4, 1911 (61st Cong., 3d sess.).....	47, 500
Aug. 22, 1912 (62d Cong., 2d sess.).....	51, 500
Mar. 4, 1913 (62d Cong., 3d sess.).....	51, 500
June 30, 1914 (63d Cong., 2d sess.).....	51, 500
Mar. 3, 1915 (63d Cong., 3d sess.).....	51, 500
Aug. 29, 1916 ¹ (64th Cong., 1st sess.).....	77, 956
Mar. 4, 1917 (64th Cong., 2d sess.).....	77, 956
July 1, 1918 ² (65th Cong., 2d sess.).....	146, 768

Table 58.—AMOUNT APPROPRIATED FOR PAY OF THE NAVY FROM 1885 TO 1918.

Act of—	
Mar. 3, 1885 (48th Cong., 2d sess.).....	\$6, 940, 780. 00
July 26, 1886 (49th Cong., 1st sess.).....	7, 000, 000. 00
Mar. 3, 1887 (49th Cong., 2d sess.).....	7, 000, 000. 00
Sept. 7, 1888 (50th Cong., 1st sess.).....	7, 082, 404. 00
Mar. 2, 1889 (50th Cong., 2d sess.).....	7, 250, 000. 00
June 30, 1890 (51st Cong., 1st sess.).....	7, 250, 000. 00
Mar. 2, 1891 (51st Cong., 2d sess.).....	7, 300, 000. 00
July 19, 1892 (52d Cong., 1st sess.).....	7, 300, 000. 00
Mar. 3, 1893 (52d Cong., 2d sess.).....	7, 300, 000. 00
July 26, 1894 (53d Cong., 2d sess.).....	7, 475, 000. 00
Mar. 2, 1895 (53d Cong., 3d sess.).....	7, 649, 329. 00
June 10, 1896 (54th Cong., 1st sess.).....	8, 100, 873. 00
Mar. 3, 1897 (55th Cong., 1st sess.).....	8, 235, 385. 00
May 4, 1898 (55th Cong., 2d sess.).....	9, 125, 460. 00
Mar. 3, 1899 (55th Cong., 3d sess.).....	13, 500, 171. 00
June 7, 1900 (56th Cong., 1st sess.).....	12, 810, 897. 00
Mar. 3, 1901 (56th Cong., 2d sess.).....	15, 200, 284. 00
July 1, 1902 (57th Cong., 1st sess.).....	16, 138, 199. 00
Mar. 3, 1903 (57th Cong., 2d sess.).....	17, 706, 099. 00
Apr. 27, 1904 (58th Cong., 2d sess.).....	19, 324, 093. 00
Mar. 2, 1905 (58th Cong., 3d sess.).....	20, 000, 000. 00
June 29, 1906 (59th Cong., 1st sess.).....	20, 269, 637. 00
Mar. 2, 1907 (59th Cong., 2d sess.).....	21, 000, 000. 00
May 13, 1908 (60th Cong., 1st sess.).....	30, 979, 225. 00
Mar. 3, 1909 (60th Cong., 2d sess.).....	32, 803, 486. 72
June 24, 1910 (61st Cong., 2d sess.).....	33, 665, 536. 00
Mar. 4, 1911 (61st Cong., 3d sess.).....	35, 069, 026. 00
Aug. 22, 1912 (62d Cong., 2d sess.).....	37, 280, 971. 25
Mar. 4, 1913 (62d Cong., 3d sess.).....	39, 264, 662. 00
June 30, 1914 (63d Cong., 2d sess.).....	40, 010, 724. 00
Mar. 3, 1915 (63d Cong., 3d sess.).....	41, 240, 563. 00
Aug. 29, 1916 (64th Cong., 1st sess.).....	50, 228, 912. 65
Mar. 4, 1917 (64th Cong., 2d sess.).....	51, 023, 776. 15
June 15, 1917 (65th Cong., 1st sess.).....	75, 508, 672. 42
July 1, 1918 (65th Cong., 2d sess.).....	227, 372, 946. 00

¹ Under act of Aug. 29, 1916, the President is authorized, whenever in his judgment a sufficient national emergency exists, to increase the authorized enlisted strength of the Navy to 87,000 men. This was supplemented by the act of May 22, 1917, which authorized the President further to increase the authorized enlisted strength of the Navy to 150,000 men, including 4,000 additional apprentice seamen.

² Fixed the temporary strength of the Navy at 151,485, exclusive of apprentices, and authorized President during war with German Government to make a further increase of 50,000 men.

Table 59.—REQUIREMENTS FOR ENLISTMENT.

An applicant for enlistment must be a citizen of the United States, native or naturalized, between 18 and 35 years old, of good character and habits, able to read, write, and speak English. Applicants enlist for four years.

All applicants must be in good physical condition, free from any disease or deformity, at least 64 inches high and weighing 128 pounds for an adult, with weight increasing in proportion to height. A minor must be at least 62 inches tall and weigh 110 pounds, increasing proportionately with age and height.

Table 60. STATISTICS RELATING TO ENLISTMENTS.

	June 30—					
	1907	1908	1909	1910	1911	1912
Number in service.....	33,027	39,048	44,129	45,076	47,612	47,515
Number of applicants.....	45,691	81,442	91,588	76,074	79,458	73,364
Applicants enlisted.....	14,329	21,929	18,713	14,756	15,724	17,743
Percentages of desertions.....	9.04	9.00	5.50	4.77	4.16	3.52
Discharge by purchase.....	132	504	538	503	461	403

	June 30—					
	1913	1914	1915	1916	1917	1918
Number in service.....	48,068	52,667	52,561	54,234	171,133	435,398
Number of applicants.....	75,457	88,948	102,561	89,812	281,957	380,360
Applicants enlisted.....	17,918	18,948	17,704	21,220	93,063	106,278
Percentages of deser. tons.....	3.77	2.89	2.43	2.24	1.43	.93
Discharge by purchase.....	496	451	2,303	1,967	388	.....

Table 61.—ADDRESSES OF CENTRAL RECRUITING STATIONS.

Portland, Me., 495 Congress Street.
 Burlington, Vt., Post Office Building.
 Boston, Mass., 146 Tremont Street.
 Providence, R. I., 42 Westminster Street.
 New Haven, Conn., 1044 Chapel Street.
 Albany, N. Y., 463 Broadway.
 New York, N. Y., 34 East Twenty-third Street.
 Buffalo, N. Y., Post Office Building.
 Syracuse, N. Y., McCarthy Building.
 Newark, N. J., 653 Broad Street.
 Philadelphia, Pa., 1515 Arch Street.
 Scranton, Pa., 204 Coal Exchange Building.
 Pittsburgh, Pa., Union Arcade Building.
 Johnstown, Pa., Dibert Building, Franklin and Main Streets.
 Parkersburg, W. Va., 424 Market Street.
 Baltimore, Md., Corner Calvert and Lexington Streets.
 Washington, D. C., 306 Ninth Street NW.
 Norfolk, Va., 101 Main Street.
 Richmond, Va., Allison Building.
 Raleigh, N. C., Commercial Bank Building.
 Cleveland, Ohio, Post Office Building.
 Cincinnati, Ohio, Post Office Building.
 Louisville, Ky., 412 South Fourth Avenue.
 Indianapolis, Ind., Post Office Building.
 Chicago, Ill., 619 South State Street.
 Detroit, Mich., Hall Building, 161 Griswold Street.
 Peoria, Ill., corner Adams and Liberty Streets.
 Milwaukee, Wis., 222 Grand Avenue.
 Minneapolis, Minn., 304 Marquette Avenue.
 Des Moines, Iowa, Old Post Office Building.
 St. Louis, Mo., Seventh and Chestnut Streets.
 Omaha, Nebr., Paxton Building, Sixteenth and Farnum Streets.
 Kansas City, Mo., Eighth and Walnut Streets.
 Columbia, S. C., Arcade Building.
 Nashville, Tenn., Customhouse Building.
 Atlanta, Ga., Post Office Building.
 Birmingham, Ala., Title Guarantee Building.
 New Orleans, La., 730 Common Street.

Meridian, Miss., Miazza Woods Building.
 Dallas, Tex., 1612 Main Street.
 Houston, Tex., Binz Building, Texas Avenue and Main Street.
 Little Rock, Ark., Boyle Building, corner Main Street and Capitol Avenue.
 Oklahoma City, Okla., Culbertson Building, Grand Avenue and Broadway.
 El Paso, Tex., 204½ El Paso Street.
 Denver, Colo., Quincy Building, 1010 Seventeenth Street.
 Salt Lake City, Utah, Keith Emporium Building.
 San Francisco, Cal., 742 Market Street.
 Portland, Oreg., Dekum Building, Third and Washington Streets.
 Los Angeles, Cal., 318 Union Oil Building.
 San Diego, Cal., American Building, Fifth and Broadway.
 Seattle, Wash., Seattle National Bank Building.

Table 62.—CITIZENSHIP OF ENLISTED FORCE.

YEAR ENDING JUNE 30, 1917.

	Native born.	Naturalized.	Aliens declared intentions.	Aliens resident in the United States.	Aliens nonresident in the United States.	Guam.	Samoa.	Philippines.	Total.
Petty officers.....	27,683	1,774	11	2	11	14	8	186	29,689
Other rates.....	67,416	1,117	16	75	188	144	79	1,815	70,850
Total.....	95,099	2,891	27	77	199	158	87	2,001	100,539

YEAR ENDING JUNE 30, 1918.

Branch.	Native born.	Naturalized.	Aliens declared intentions.	Aliens resident in the United States.	Aliens nonresident in the United States.	Guam.	Samoa.	Philippines.	Virgin Islands.	Total.
U. S. N. R. F.....	199,756	9,760	2,756	64	30	2	4	267	21	212,660
U. S. Navy.....	199,589	4,954	61	88	179	200	90	3,451	59	208,671
N. N. V.....	13,640	377	24	20	.....	.....	.....	.....	.....	14,067
Total.....	412,985	15,091	2,841	172	209	202	94	3,724	80	435,398

Table 63.—NUMBER AND PERCENTAGES OF CITIZENSHIP OF ENLISTED MEN.

YEAR ENDING JUNE 30, 1917.

Petty officers.....	number..	29,689
Native born.....	per cent..	93.24
Naturalized.....	do.....	5.97
Declared intentions.....	do.....	.04
Aliens resident in the United States.....	do.....	.006
Aliens nonresident in the United States.....	do.....	.04
Natives of colonial possessions.....	do.....	.704
Citizens of the United States.....	do.....	92.21
Enlisted men other than petty officers.....	number..	70,850
Native born.....	per cent..	95.15
Naturalized.....	do.....	1.58
Declared intentions.....	do.....	.02
Aliens resident in the United States.....	do.....	.11
Aliens nonresident in the United States.....	do.....	.26
Natives of colonial possessions.....	do.....	2.88
Citizens of the United States.....	do.....	96.73
Citizenship of the total enlisted force.....	number..	100,539
Native born.....	per cent..	94.58
Naturalized.....	do.....	2.88
Citizens of the United States.....	do.....	97.46

YEAR ENDING JUNE 30, 1918.

United States Naval Reserve Force.....	number..	212,660
Native born.....	per cent..	93.53
Naturalized.....	do.....	4.89
Declared intentions.....	do.....	1.30
Aliens resident in the United States.....	do.....	.63
Aliens nonresident in the United States.....	do.....	.01
Natives of colonial possessions.....	do.....	.14
Citizens of the United States.....	do.....	96.82

United States Navy.....	number..	208,675
Native born.....	per cent..	95.61
Naturalized.....	do.....	2.37
Declared intentions.....	do.....	.03
Aliens resident in the United States.....	do.....	.04
Aliens nonresident in the United States.....	do.....	.09
Natives of colonial possessions.....	do.....	1.82
Citizens of the United States.....	do.....	98.02
National Naval Volunteers.....	number..	14,067
Native born.....	per cent..	98.96
Naturalized.....	do.....	2.68
Declared intentions.....	do.....	.17
Aliens resident in the United States.....	do.....	.14
Aliens nonresident in the United States.....	do.....	0
Natives of colonial possessions.....	do.....	.05
Citizens of the United States.....	do.....	99.64
Citizenship of the total force.....	number..	435,398
Native born.....	per cent..	94.85
Naturalized.....	do.....	3.46
Citizens of the United States.....	do.....	98.31

Table 64.—WARRANT OFFICERS APPOINTED ENSIGNS.

WARRANT OFFICERS WHO HAVE APPLIED FOR APPOINTMENT AS ENSIGNS IN THE NAVY UNDER THE PROVISIONS OF AN ACT OF CONGRESS APPROVED MAR. 3, 1901, AS AMENDED MAR. 3, 1903, APR. 27, 1904, AND MAR. 3, 1909, AND THE NUMBER APPOINTED EACH YEAR.

When appointed.	Applied.	Failed on examinations.	Withdrew applications.	Not qualified for appointment.	Appointed.	Present rank.
1901.....	7	1		4	2	Lieutenant commander (both retired).
1902.....	1				1	Commander.
1903.....	6	1	1	2	2	Lieutenant commander.
1904.....	23	11	2		10	Lieutenant commander (1 resigned, 2 retired).
1905.....	12	5	2		5	Lieutenant commander.
1906.....	8	3	1	1	3	Do.
1907.....	6	4	2			
1908.....	3	1			2	1 lieutenant commander and 1 deceased.
1909.....	2	2				
1910.....	5	4			1	Lieutenant.
1911.....	5	4		1		
1912.....	5	3			2	Do.
1913.....	5	1			4	Lieutenant (junior grade).
1914.....	7	1			6	Do.
1915.....	8	1			6	Do.
1916.....	9	4		2	3	Ensign.
1917.....	15	6		3	6	Do.
1918.....	9	5	1		(¹)	
Total.	136	57	9	13	53	

¹ 3 qualified; not yet appointed.

Table 65.—MIDSHIPMEN (FORMERLY CADETS) AT SEA AND ON SHORE, 1879 TO 1918.

Years.	At sea.	At Naval Academy.	Total.	Years.	At sea.	At Naval Academy.	Total.
1879.....	123	352	475	1899.....	91	262	353
1880.....	163	318	481	1900.....	111	280	391
1881.....	196	260	456	1901.....	124	327	451
1882.....	208	238	446	1902.....	125	406	531
1883.....	101	247	348	1903.....	102	649	751
1884.....	82	237	339	1904.....	106	823	928
1885.....	73	244	317	1905.....	174	881	1,055
1886.....	58	237	295	1906.....	304	751	1,055
1887.....	69	224	293	1907.....	312	852	1,164
1888.....	72	232	304	1908.....	383	798	1,181
1889.....	63	243	306	1909.....	371	848	1,219
1890.....	67	239	306	1910.....	292	840	1,132
1891.....	66	236	302	1911.....	281	727	1,008
1892.....	70	234	304	1912.....		768	768
1893.....	68	242	310	1913.....		870	870
1894.....	68	237	305	1914.....		911	911
1895.....	60	241	301	1915.....		915	915
1896.....	52	251	303	1916.....		1,230	1,230
1897.....	62	257	319	1917.....		1,455	1,455
1898.....	64	278	342	1918.....		2,120	2,120

Table 66.—OFFICERS ON THE ACTIVE LIST OF THE NAVY, COMPUTATION OF JULY 1, 1918.

The following are the computed numbers, or permanent "authorized strength" of the Navy—officers, midshipmen, Flying Corps, etc.—allowed under the act of Congress approved August 29, 1916, for the current portion of the half-calendar year 1918 running from date of computation to the date of the next official computation, upon which computed numbers are further computed the fixed numbers, or "authorized strength," of the various grades and ranks for the portion of the half-calendar year 1918 running from date of computation to the date of the next official computation. Computations all made "as of" July 1, 1918.

Computed numbers of line, staff, and warrant officers for computation period.	"Authorized strength" of various grades and ranks for computation period, based on total computed numbers.	Actually in service on July 1, 1918.
Line..... ¹ 2,501	Rear admiral..... ² {upper half lower half}..... ³ 25	36
	Captains..... ⁴ 100	113
	Commanders..... ⁵ 175	192
	Lieutenant commanders..... ⁶ 350	351
	Lieutenants..... ⁷ 813	767
	Lieutenants, junior grade..... ⁸ 1,083	1,085
	Ensigns..... ⁹ 2,501	2,544
Medical..... ¹ 840	Medical directors, rear admiral..... ² {upper half lower half}..... ³ 4	4
	Medical directors, captain..... ⁴ 34	36
	Medical inspectors, commander..... ⁵ 67	67
	Surgeons..... ⁶ {Lieutenant commander..... Passed assistant surgeons..... Assistant surgeons..... Lieutenant..... Lieutenant, junior grade.....}	735
		735
		840 ¹⁰ 842 ^{11,12}
Pay..... ¹ 372	Pay director, rear admiral..... ² {upper half lower half}..... ³ 2	3
	Pay directors, captain..... ⁴ 15	15
	Pay inspectors, commander..... ⁵ 30	30
	Paymasters..... ⁶ {Lieutenant commander..... Passed assistant paymasters..... Assistant paymasters..... Lieutenant, junior grade..... Ensign..... Lieutenant.....}	325
		325
		372 ¹⁴ 373 ¹⁵
Construction..... ¹ 94	Naval constructor, rear admiral..... ² {upper half lower half}..... ³ 1	1
	Naval constructors, captain..... ⁴ 8	8
	Naval constructors, commander..... ⁵ 13	13
	Naval constructors..... ⁶ {Lieutenant commander..... Assistant naval constructors..... Lieutenant..... Lieutenant, junior grade.....}	72
		72
		94

¹ Number "fixed" temporarily—does not change until new computations are made for a succeeding computation period.
² Does not include the "additional numbers" in grade, who are in excess of numbers here shown, and the total number of whom will fluctuate.
³ Including 11 "additional numbers."
⁴ Including 13 "additional numbers."
⁵ Including 17 "additional numbers."
⁶ Including 1 "additional number."
⁷ Including 1 "additional number."
⁸ Including 43 "additional numbers."
⁹ Including 2 "additional numbers."
¹⁰ Does not include acting assistant surgeons, who are in excess of number here shown and total number of whom will fluctuate.
¹¹ Does not include acting assistant surgeons in service on July 1, 1918, who are counted as "additional" to the regular Medical Corps officers.
¹² Including 2 "additional numbers."
¹³ Including 1 "additional number."
¹⁴ Including 1 "additional number."
¹⁵ Including 1 "additional number."

Table 66.—OFFICERS ON THE ACTIVE LIST OF THE NAVY, COMPUTATION OF JULY 1, 1918—Continued.

Computed numbers of line, staff, and warrant officers for computation period.	"Authorized strength" of various grades and ranks for computation period, based on total computed numbers.	Actually in service on July 1, 1918.
Civil engineer..... ¹ 73	Civil engineer, rear admiral..... {superhalf} } ² 1	² 2
	Civil engineers, captain..... {lower half} }	² 4
	Civil engineers, commander.....	² 10
	Civil engineers..... {Lieutenant commander.....} }	² 58
	Assistant civil engineers.. {Lieutenant.....} } {Lieutenant, junior grade.....} }	² 58
	73	² 74
Chaplains..... ⁴ 144	{Captain.....} ² 14	14
	{Commander.....} ² 2	2
	{Lieutenant commander.....} ² 0	0
	{Lieutenant.....} ² 72	108
	{Lieutenant, junior grade.....} ² 72	108
	² 144	² 124
Professors of mathematics..... ⁷ 11	{Captain.....} ² 3	3
	{Commander.....} ² 4	6
	{Lieutenant commander.....} ² 4	6
	{Lieutenant.....} ² 0	1
	{Lieutenant, junior grade.....} ² 0	1
	11	^{2, 10, 16}
Dental Corps..... ⁴ 179	{Lieutenant commander.....} ² 179	97
	{Lieutenant.....} ² 179	97
	{Lieutenant, junior grade.....} ² 179	97
Midshipmen..... ⁴ 3, 128	3, 128	1, 705
Flying Corps (officers)..... ⁴ 150	11 150	0
Chief warrant officers..... ⁵ 530	12 530	12 530
Warrant officers..... ⁵ 517	12 517	14 517
Chief pay clerks, pay clerks, and acting pay clerks..... ⁴ 591	591	12 276

These officers are divided in the various branches of the naval service as follows:	
Total number of line officers (excluding midshipmen and Flying Corps officers).....	¹⁰ 2, 501
Total number of staff officers.....	¹⁶ 1, 713
Total number of warrant officers.....	¹² 1, 638
Total.....	^{16, 5, 862}

- ¹ Number "fixed" temporarily—does not change until new computations are made for a succeeding computation period.
- ² Does not include the "Additional numbers" in grade, who are in excess of numbers here shown, and the total numbers of whom will fluctuate.
- ³ Including 1 "additional number."
- ⁴ Number "fixed" permanently—does not change under existing law.
- ⁵ Number "fixed" temporarily—for date of July 1, 1918—fluctuates from day to day.
- ⁶ Includes 102 acting chaplains.
- ⁷ Number "fixed" permanently—but corps will die out with passing of present members from the active list.
- ⁸ Including 2 "additional numbers."
- ⁹ Including 5 "additional numbers."
- ¹⁰ One position in original 12 fixed by law vacated—will never be filled as corps is to die out by virtue of provision contained in act of Congress approved Aug. 29, 1916.
- ¹¹ Distribution in ranks not yet slated.
- ¹² Total number unlimited—fluctuates continually.
- ¹³ Includes 128 chief boatswains, 136 chief gunners, 163 chief machinists, 89 chief carpenters, 1 chief sail maker, and 13 chief pharmacists.
- ¹⁴ Includes 80 boatswains, 178 gunners, 45 carpenters, 161 machinists, and 53 pharmacists.
- ¹⁵ Includes 116 chief pay clerks, and 160 pay clerks and acting pay clerks.
- ¹⁶ Excludes "Additional numbers" in grades.

**Table 67.—ACTUAL AND AUTHORIZED STRENGTH OF THE MARINE CORPS
JULY 1, 1918.**

Grade.	In service.	Allowed by law.	Grade.	In service.	Allowed by law.
Officers:			Enlisted—Continued.		
Major General Commandant.....	1	1	First sergeants.....	343	1,142
Major generals.....	0	2	Gunnery sergeants.....	468	1,101
Brigadier generals.....	8	13	Sergeants.....	2,595	5,113
Colonels.....	122	42	Corporals.....	4,912	9,115
Lieutenant colonels.....	129	50	Drummers.....	67	880
Majors.....	141	360	Trumpeters.....	272	880
Captains.....	361	952	Privates, first class.....	30,251	13,995
First lieutenants.....	304	798	Privates.....	1	41,964
Second lieutenants.....	300	799	Leader of band.....	1	1
Warrant officers and pay clerks.....	202	324	Second leader of band.....	1	1
Total.....	1,368	3,341	Principal musicians.....	10	10
			First-class musicians.....	25	25
Enlisted:			Second-class musicians.....	20	20
Sergeants major.....	68	202	Third-class musicians.....	10	10
Quartermaster sergeants.....	303	1,016	Total.....	45,348	75,500
Drum majors.....	2	5	Grand total.....	46,716	78,841

¹ Two additional numbers in grade.

² One additional number in grade.

ACTUAL STRENGTH OF MARINE CORPS RESERVE JULY 1, 1918.

Officers.....	258
Enlisted.....	5,968
Total.....	6,226

**Table 68.—OFFICERS AND MEN ON THE RETIRED LIST OF THE NAVY
JUNE 30, 1918.**

Rear admiral.....	127	Rear admirals (Chaplain Corps).....	3
Commodores.....	36	Captains (Chaplain Corps).....	1
Captains.....	54	Lieutenant (Chaplain Corps).....	1
Commanders.....	101	Rear admiral (professor of mathematics).....	1
Lieutenant commanders.....	74	Commodore (professor of mathematics).....	2
Lieutenants.....	47	Captains (professor of mathematics).....	3
Lieutenants (junior grade).....	33	Commanders (professor of mathematics).....	1
Ensigns.....	11	Lieutenant (professor of mathematics).....	2
Rear admirals (Medical Corps).....	9	Captains (Construction Corps).....	1
Commodores (Medical Corps).....	5	Lieutenant commander (Construction Corps).....	1
Captains (Medical Corps).....	22	Lieutenant (Construction Corps).....	3
Commanders (Medical Corps).....	10	Rear admirals (Civil Corps).....	1
Lieutenant commanders (Medical Corps).....	19	Captain (Civil Engineer Corps).....	1
Lieutenants (Medical Corps).....	22	Lieutenant (Civil Engineer Corps).....	1
Lieutenants (junior grade) (Medical Corps).....	8	Chief boatswains.....	47
Ensign (Medical Corps).....	1	Boatswains.....	11
Rear admirals (Pay Corps).....	11	Chief gunners.....	22
Commodores (Pay Corps).....	3	Gunners.....	11
Captains (Pay Corps).....	11	Chief machinists.....	44
Commanders (Pay Corps).....	3	Machinists.....	25
Lieutenant commanders (Pay Corps).....	13	Chief carpenters.....	20
Lieutenants (Pay Corps).....	4	Carpenters.....	4
Ensign (Pay Corps).....	0	Chief sailmakers.....	6
Rear admirals (Engineer Corps).....	3	Chief pharmacists.....	6
Captains (Engineer Corps).....	2	Pharmacists.....	10
Commanders (Engineer Corps).....	2	Chief pay clerks.....	15
Lieutenant commanders (Engineer Corps).....	10	Pay clerks.....	19
Lieutenants (Engineer Corps).....	12	Mates.....	3
Lieutenants (junior grade) (Engineer Corps).....	9	Total.....	332
Ensigns (Engineer Corps).....	2		

**Table 68.—OFFICERS AND MEN ON THE RETIRED LIST OF THE NAVY
JUNE 30, 1918—Continued.**

RETIRED LIST—ENLISTED MEN.

There were 30 men retired during the past fiscal year and 21 deaths, making the total number on the retired list June 30, 1918, 520, as follows:

Mates.....	21	Commissary stewards.....	2
Chief masters-at-arms.....	55	Ships' cooks, first class.....	28
Chief boatswains' mates.....	60	Masters-at-arms, second class.....	2
Chief gunners' mates.....	33	Boatswains' mates, second class.....	6
Chief turret captain.....	1	Gunners' mates, second class.....	3
Chief quartermasters.....	29	Electrician, second class.....	1
Chief machinists' mates.....	24	Oilers.....	10
Chiefelectricians.....	2	Coxswains.....	4
Chiefcarpenters' mates.....	9	Coxswains to commanders in chief.....	2
Chief water tenders.....	31	Gunner's mate, third class.....	1
Chiefyemen.....	35	Quartermaster, third class.....	1
Hospital steward.....	1	Hospital apprentices, first class.....	3
Bandmasters.....	10	Seamen.....	6
Chief commissary stewards.....	5	Firemen, first class.....	9
Masters-at-arms, first class.....	8	Musicians, first class.....	12
Boatswains' mates, first class.....	13	Steward to commander in chief.....	1
Gunners' mates, first class.....	18	Cooks to commanders in chief.....	2
Quartermasters, first class.....	3	Stewards to commandants.....	4
Machinists' mates, first class.....	6	Cabin stewards.....	4
Boilermakers.....	5	Cabin cooks.....	3
Blacksmiths.....	3	Wardroom stewards.....	9
Sailmakers' mates.....	7	Wardroom cooks.....	3
Carpenter's mate, first class.....	1	Steerage steward.....	1
Water tenders.....	14	Warrant officers' steward.....	1
Painter, first class.....	1		
First musicians.....	7		
		Total.....	520

**Table 69.—OFFICERS AND MEN ON THE RETIRED LIST OF THE MARINE
CORPS, JULY 1, 1918.**

Major General Commandants.....	2	First sergeants.....	42
Assistant paymaster, rank of colonel.....	1	Gunnery sergeants.....	24
Assistant quartermaster, rank of quartermaster.....	1	Sergeants.....	53
Brigadier generals.....	3	Corporals.....	11
Colonels.....	4	Drummer.....	1
Lieutenant colonels.....	4	Trumpeters.....	—
Majors.....	9	Privates, first class.....	—
Captains.....	21	Privates.....	10
First lieutenants.....	13	Leader of band.....	—
Second lieutenants.....	2	Second leader of band.....	—
Total.....	60	Principal musicians.....	3
		First-class musicians.....	16
Sergeants major.....	10	Second-class musician.....	1
Quartermaster sergeants.....	28	Third-class musicians.....	—
Drum major.....	1	Total.....	200

Table 70.—SICKNESS, NAVY AND MARINE CORPS, AND SURGICAL OPERATIONS DURING 1916 AND 1917.

Cases treated.				Sick days.			
Number.		Ratio per 1,000.		Number.		Ratio per 1,000.	
1916	1917	1916	1917	1916	1917	1916	1917
69,171 1 51,132	195,316 2 53,677	998.22 1 878.96	795.32 2 882.13	808,951 1 623,632	1,954,278 2 634,148	11,674.18 1 10,720.29	7,957.80 2 10,421.66

Deaths.				Invalided from service.			
Number.		Ratio per 1,000.		Number.		Ratio per 1,000.	
1916	1917	1916	1917	1916	1917	1916	1917
335 1 286	1,072 2 296	4.83 1 4.91	4.36 2 4.84	1,156 1 1,450	5,063 2 1,453	16.68 1 24.92	20.61 2 23.87

¹ A average entire service, 10 years, 1906-1915, the average complement for said period being 58,173.
² A average entire service, 10 years, 1907-1916, the average complement for said period being 60,849.

Table 70.—SICKNESS, NAVY AND MARINE CORPS, AND SURGICAL OPERATIONS DURING 1916 AND 1917—Continued.

	1916	1917
Total number of operations.....	3,553	8,047
Cured.....	3,239	7,511
Improved.....	170	279
Unimproved.....	48	35
Transferred.....	63	123
Died.....	33	99

Table 71.—COMPARATIVE PERSONNEL OF THE PRINCIPAL NAVAL POWERS.

[Correct to July 1, 1914.]

Rank.	England.	Germany.	United States (July 1, 1916).	France.	Japan.	Russia.	Italy.	Austria-Hungary.
Admirals of the fleet.....	3	2	1		2			
Admirals.....	12	6	2			12	1	1
Vice admirals.....	22	12	3	15	19	20	10	2
Rear admirals.....	55	22	23	30	28	21	19	15
Captains and commanders.....	702	154	210	360	270	346	137	80
Other line officers.....	2,508	2,220	1,892	1,419	1,965	1,378	753	558
Midshipmen at sea.....	639	448		77	119		72	175
Engineer officers.....	837	577		506	811	528	326	164
Medical officers.....	508	340	407	399	364	296	259	84
Pay officers.....	750	276	220	211	338		228	224
Naval constructors.....	122	162	80	187	135	519	107	141
Chaplains.....	147	30	40			85		11
Warrant officers.....	2,740	3,188	1,101	1,147	1,569		1,340	387
Enlisted men.....	119,597	65,797	54,234	60,505	50,050	49,268	36,660	17,689
Marine officers.....	465	177	344					
Enlisted men (marines).....	¹² 21,414	¹³ 5,791	9,965					
Total.....	150,609	79,197	66,488	63,846	55,736	52,483	39,913	19,531

¹ The Admiral of the Navy.² The commanders in chief of the Atlantic, Pacific, and Asiatic Fleets, designated by the President of the United States, as Commander in Chief of the Army and Navy, have the rank of admiral while so serving; similarly, the seconds in command have the rank of vice admiral.³ The United States now has, temporarily, as extra numbers, due to promotion for war service, and to officers restricted by law to engineering duty only on shore only, 5 flag officers, 20 captains, 8 commanders, 4 lieutenant commanders, 1 lieutenant, and 1 lieutenant (junior grade).⁴ Includes 32 officers of the Dental Corps.⁵ Includes pharmacists.⁶ Includes pharmaceutical officers.⁷ Includes 21 officers of the Judge Advocates Corps.⁸ Includes 50 ordnance and 10 hydrographic engineers.⁹ Includes 4 hydrographic engineers.¹⁰ Includes adjudants principaux; does not include premier maitres and maitres.¹¹ Includes 4,000 recruits for 42 days.¹² Marine infantry and seaman artillery.¹³ Includes 3,130 men of the Coast Guard.

NOTE.—On account of conditions existing as the result of the European war it is impossible to bring this data up to date. For comparative purposes, figures pertaining to the United States Navy remain the same as in the yearbook for 1916.

Table 72.—CHRONOLOGICAL LIST OF ACTS RELATING TO PERSONNEL.

Act of June 7, 1900 (56th, 1st):

Active service for retired officers during period of 12 years.

Bureau of Steam Engineering, officers eligible for appointment as chief.

Desertion forfeitures credited to naval hospital fund.

Medical Corps, increase of.

Midshipmen, succeeding appointments of, after four years of six-year course.

Mileage in lieu of traveling expenses within United States.

Actual expenses without the United States.

Pay of officers, personnel law not to operate to reduce.

Act of Mar. 3, 1901 (56th, 2d):

- Advancement for Spanish War service not to interfere with regular promotions.
- Marine Corps, term of enlistment.
 - Allowed Navy ration when serving abroad.
- Naval Observatory, rank of superintendent.
 - Board of visitors to be appointed.
 - Number of enlisted men increased.
- Officers advanced to be additional numbers in grade.
- Shore duty beyond seas defined.
- Traveling expenses for repeated travel in same vicinity. [NOTE.—This law is omitted from 1915 edition; should be on p. 163. Is still in force.]
- Warrant officers eligible to grade of ensign.
 - (Number increased to 12 in 57th, 2d.)

Act of July 1, 1902 (57th, 1st):

- Civil Engineer Corps, increase of.
- Civilians employed in island possessions, method of pay of.
- Marine Corps, additional force.
 - Rank of commandant.
- Midshipman, title changed from naval cadet.
 - Number increased.
- Naval Constructors Corps, increase of.
- Navy ration, provision amended as to component parts.
 - Number of enlisted men increased.

Act of March 3, 1903 (57th, 2d):

- Active list of Navy, increase in certain grades.
- Civil Engineer Corps—
 - Pay of assistant civil engineers.
 - Examinations for promotion.
- Hazing, punishment for.
- Limit of yearly increase in certain grades of line and staff.
- Marine Corps—
 - Increase of.
 - Present vacancies in, how filled.
- Midshipmen—
 - Increase of, till 1913.
 - Age limit changed.
 - Present vacancies in.
- Naval Academy, 10 instructors for.
 - Number of enlisted men increased.
- Porto Rico, midshipman.
- Warrant officers appointed ensigns, increase in number of, to 12 in each calendar year.

Act of April 27, 1904 (58th, 2d):

- Marine Corps officers with creditable Civil War service to be retired in like manner as officers of the Navy with similar service.
- Marine Corps, extra pay for gun pointers and others.
 - Number of enlisted men increased.
- Professors and instructors at Naval Academy, increase in number of.
- Remains, transportation of.
- Warrant officers eligible to grade of ensign after four years.
- Warrant officers eligible to appointment as chiefs after six years.
- Warrant machinists, number unlimited, but not to exceed 20 in any one year (amending act Mar. 3, 1899). [NOTE.—This law is omitted from 1915 edition; should be on p. 209.]

Act of March 3, 1905:

- Bureau of Steam Engineering, detail of officer as assistant to chief.
- Enlisted men, prisoners under sentence of dishonorable discharge additional to authorized number.
 - Number of enlisted men increased.

Act of June 29, 1906 (59th, 1st):

- Chaplains, rank, pay, and allowances.
- Civil engineers and professors of mathematics to receive same allowances as Constructors Corps.
- Enlisted men discharged on expiration of enlistment to receive travel allowance of 4 cents per mile from place of discharge to place of enlistment.
 - Discharged during first six months of enlistment may be required to refund clothing bounty.
- Marine Corps, authorized to deposit savings same as enlisted men of the Navy.

Act of June 29, 1906 (5th, 1st)—Continued.

Fifteen per cent shore-duty clause repealed.

Midshipmen—

Admissions to Naval Academy from foreign countries prohibited.

Time of designation for examination extended.

One additional, for District of Columbia.

Navy ration, provision amended as to component parts.

Professors of mathematics, two additional authorized to be appointed from officers of the Navy or otherwise (Smith and Garrison).

Recruits, evidence required as to age.

Retired officers, Navy and Marine Corps, increased rank and pay for Civil War service.

Yards and Docks, Chief of Bureau of, shall be selected from members of Corps of Civil Engineers having not less than seven years' active service.

Act of March 2, 1907:

Enlisted men, number increased.

Marine Corps, extra pay for privates detailed as cooks.

Navy ration, provision amended as to component parts.

Act of May 13, 1908 (60th, 1st):

Aids to rear admirals, additional pay for.

Badges and ribbons commemorating campaigns.

Bands, excepting Naval Academy, prohibited from competing with civilian musicians.

Chaplains, pay and allowances shall in no case exceed that for lieutenant commanders.

Chiefs of bureaus, pay and allowances shall be the highest of grade to which belong and not below rear admiral of lower nine.

Chiefs of bureaus who are subsequently retired, pay of.

Civil professors and instructors, Naval Academy, 20 per cent increase in pay.

Commissioned officers of active list shall receive same pay and allowances according to rank and length of service.

Death of officers or men, amount to be paid widows or persons designated.

Enlisted men, pay increased 10 per cent.

Enlisted men, present pay to remain until changed by Congress.

Hospital Corps, enlisted force, pay.

Irons, use of, as punishment restricted.

Marine Corps, appropriation for increase of pay (pay increased under Army act).

Marine Corps, commandant to have rank of major general.

Marine Corps, increase in numbers of officers and men.

Midshipmen, pay increased to \$600 at academy and to \$1,400 after graduation from academy.

Number of enlisted men increased.

Nurse Corps (female) established.

Officers on sea duty shall receive 10 per cent additional.

Officers when 30 years in service may be placed on retired list with three-fourths of the highest pay of grade.

Pay, nothing in act to be construed as reducing.

Pay of officers and men on retired list based on pay of active list.

Pay of officers (except Admiral) and men increased.

Pay of officers in each grade on active list.

Pay of the Navy, detailed estimate and schedule to be sent to Congress.

Paymasters' clerks shall receive same pay and allowances as warrant officers.

Warrant officers and mates, pay increased 25 per cent.

Act of February 16, 1909 (35 Stat., 621):

Deck courts established.

Deserters to be arrested by civil officers.

Depositions allowed in evidence before courts-martial.

Officers authorized to convene general courts-martial at naval stations abroad.

Prisoners to be furnished civilian clothing on discharge.

Process authorized to compel attendance of civilian witnesses.

Summary court-martial records to be destroyed after two years.

Summary court-martial sentences to be executed without department's approval.

Act of March 3, 1909 (60th, 2d):

Changing title of warrant machinist to machinist, and providing for commissioning them as chief machinists to rank with, but after, ensign; and that chief boatswains, chief gunners, and chief machinists shall be eligible to the grade of ensign.

Act of March 3, 1909 (60th, 2d)—Continued.

Civilian employees discharged from navy yards for lack of work to be preferred for employment therein for one year.

Crypt and window spaces of Naval Academy chapel to be reserved for memorials to United States naval officers who have rendered distinguished war service.

Discharged naval prisoners to be transported to their homes or places of enlistment, and to be furnished civilian clothing if otherwise they would be without the same.

Extra-duty pay, Marine Corps, allowed only under written orders of the commandant.

Marines restored to battleships and armored cruisers in the proportion of 8 per cent of the strength of the enlisted men of the Navy on said vessels.

Prisoners' rations to be commuted in amounts fixed by Secretary of the Navy.

Retirement in next higher grade of officers who have Civil War service. Act of June 29, 1906, not to deprive any officer of benefits he would otherwise have received.

Traveling expense claims, Marine Corps, to be settled under rules prescribed by Secretary of the Navy.

Act of June 24, 1910 (61st, 2d):

Band, Naval Academy, to be enlisted men (act Apr. 12, 1910, 36 Stats., 297).

Chiefs of bureau, officers serving as, shall, while on active list, retain highest shore-duty pay and allowances of rear admiral of lower nine, and after 30 years' service receive new commissions.

Equipment, Bureau of, distribution of duties among other bureaus.

Number of enlisted men increased.

Nurse Corps (female), \$15 per month in lieu of quarters when quarters not available.

Paymasters' clerks shall receive same pay and allowances and have same rights of retirement as warrant officers of like length of service.

Recruits, evidence required as to age.

Act of March 4, 1911 (61st, 3d):

Accounts of volunteer officers, Spanish War, to be resettled.

Line officers on active list, performing engineering duty on shore, made additional numbers.

Physical examination for promotion on increased rank on retirement of officers failing in.

Act of March 11, 1912 (37 Stat., 73):

Officers failing professionally upon examination for promotion to be suspended from promotion for six months and suffer a loss of numbers.

Act of March 7, 1912 (62d, 2d) (37 Stats., 73):

Midshipmen to be commissioned as ensigns upon graduation at end of four-year course.

Act of August 22, 1912 (62d, 2d):

Active service of retired officers authorized.

Chiefs of bureaus, repealing provision, act of 1910, as to pay, etc.

Death of officers or men, specifying recipients of six months' pay.

Dental surgeons, assistant, authorized.

Hospital stewards, pay of, under permanent apportionments.

Medical Reserve Corps, established.

Number of enlisted men increased.

Pay Corps, increase of.

Pharmacists commissioned as chief, with rank and pay of chief boatswains.

Reenlistment and extension of term.

Retired under sections 8 and 9, personnel act, officers to have rank and three-fourths sea pay of grade from which retired.

Act of March 4, 1913 (62d, 3d) (37 Stats., 891):

Dental Reserve Corps, established.

Dentist at Naval Academy to be commissioned as a dental surgeon in the Navy. Services of midshipmen and cadets not to be counted in computing length of service of officers.

Officers appointed from civil life not to be credited with five years' service on date of appointment for computing pay.

Pay of officers detailed on aviation duty increased 35 per cent.

Thirty officers only to be detailed to aviation duty.

Officers above the rank of lieutenant commanders in the Navy and major in the Marine Corps shall not be detailed for actual flying.

Act of March 4, 1913 (62d, 3d) 37 Stats., 891—Continued.

Officers advanced in grade since March 3, 1899, to be allowed pay and allowances of higher grade or rank from dates stated in their commissions.

Act of July 9, 1913 (38 Stats., 103):

Midshipmen at Naval Academy; number increased until 1919.

Act of December 19, 1913 (38 Stats., 241):

Commandant of the Marine Corps to be appointed for term of four years.

Act of June 30, 1914 (63d, 2d):

Acting chaplains authorized; corps of chaplains reorganized.

Clothing outfit may be issued on second enlistment in amount not drawn on first enlistment.

Engineer officers performing shore duty only, and construction officers, made eligible for any shore duty compatible with rank and grade.

Bureau of Equipment abolished.

Midshipmen, number of, increased, to be appointed from enlisted men.

Mileage not to be paid officers where Government transportation is furnished.

Naturalization of aliens honorably discharged from Navy or Marine Corps.

Number of enlisted men authorized for Navy and Marine Corps hereafter to be daily average.

Act of March 3, 1915:

Rank of Admiral and Vice Admiral created.

Authorized transfer of certain line officers to grade of assistant naval constructor, not to exceed 24.

Created office of Chief of Naval Operations.

Making engineer and construction officers eligible for any shore duty compatible with rank and grade.

Authorized medals of honor for officers of the Navy, Marine Corps, and Coast Guard.

Established a Naval Reserve force.

Established permanent grades of chief pay clerk, pay clerk, and acting pay clerk, Naval "plucking board" abolished.

Authorized transfer of certain retired naval officers to the active list prior to March 3, 1917.

Aviation duty; officers and enlisted men to receive extra pay; gratuity for officers and enlisted men killed in line of duty.

Established an advisory committee for aeronautics, to supervise and direct the scientific study of the problems of flight.

Clothing outfit issued on first and second enlistment not to exceed \$60.

Death of officers and men, deduction not to be made from gratuity paid beneficiaries, to cover certain expenses.

Marine Corps, allowed extra pay for sea duty, the same as officers of the Navy.

Increases number of noncommissioned officers and reduces number of privates.

Act of August 29, 1916:

Chief of Naval Operations; gives rank and title of Admiral to officer so serving; prescribes his authority and pay; provides for the detail of officers to assist him in the performance of his duties; and for his rank and retirement.

Assistants, statutory, provided for the Chiefs of the Bureaus of Yards and Docks and Construction and Repair, and for the Judge Advocate General.

Discharge, enlisted men; authorized the discharge of enlisted men under certain circumstances after one year's service at sea.

Gratuity, six months'; provides that hereafter no deduction shall be made therefrom.

Hospital Corps, reorganization; provides for a reorganization of and increase in the Hospital Corps; that officers and enlisted men of the Medical Department of the Navy serving with a body of marines detached for service with the Army, shall, while so serving, be subject to the rules and articles of war.

Dental Corps; reestablished and reorganized, and provides that dental surgeons who shall have lost numbers on the Navy list by sentence of court-martial or failure upon examination for promotion, shall be considered to have lost service accordingly.

Dental Reserve Corps; organization of, authorized.

Authorized enlisted strength of the Navy; increased to 68,700, and the President is authorized, in time of national emergency, to increase same to 87,000; number of apprentice seamen increased to 6,000; and provides that the number of enlisted men shall be exclusive of those sentenced by court-martial to discharge.

Act of August 29, 1916—Continued.

- Ratings, designations changed; that of coal passer changed to fireman, third class; and that of ordinary seaman to seaman, second class, without change of pay.
- Midshipmen; number of appointments allowed President and Secretary of the Navy increased to 15 and 25, respectively.
- Personnel, commissioned; provides for an increase in the commissioned personnel and a proportionate distribution in the various grades, ranks, and corps; that all commissioned officers of the active list of the Navy shall receive the same pay and allowances according to rank and length of service; that no further appointments shall be made in the corps of professors of mathematics; that the pay and allowances of chief warrant officers shall be increased after 6 and after 12 years, respectively, from the date of commission, and that they shall receive the same allowances of heat and light as ensigns, and be allowed such leave of absence, with full pay, as is allowed other officers of the Navy.
- Engineering duty only; authorizes the assignment of certain officers to and the appointment from civil life of acting ensigns for engineering duties only.
- Naval Flying Corps; establishment and organization authorized, and provides for the appointment therein of acting ensigns and student flyers.
- Promotion by selection, system of, established for all promotions to the grades of commander, captain, and rear admiral of the line of the Navy; prescribes the rank, on retirement, of those officers who fail on their physical examination; that on and after June 30, 1920, no captain, commander, or lieutenant commander shall be promoted unless he has had not less than two years' actual sea service in grade, or who is over a certain age in each case; that captains, commanders, and lieutenant commanders who become ineligible for promotion on account of age shall be retired on a percentage of their shore duty pay for each year of service; and raises the retirement age from 62 to 64 years.
- Pay, loss of, for absence due to misconduct. Officers and enlisted men absent on account of sickness or disease due to their own misconduct shall receive no pay for such time; an enlistment shall not be regarded as complete until any time in excess of one day so lost shall have been made good.
- Pay, retired rear admirals on active duty; to be the active duty pay of a rear admiral under certain limited conditions.
- Pay, retired officers on active duty; shall be the active-duty pay and allowances of the grade, not exceeding that of lieutenant commander or major, which the officer would have attained had he remained on the active list for a period beyond the date of his retirement equal to the time he has been on active duty since retirement.
- Administration of justice; authority to convene general and summary courts-martial, deck courts, and courts of inquiry extended.
- Naval Reserve Force; establishes a Naval Reserve Force to consist of six classes designated as follows: The Fleet Naval Reserve, the Naval Reserve, the Naval Auxiliary Reserve, the Naval Coast Defense Reserve, the Volunteer Naval Reserve, the Naval Reserve Flying Corps.
- Marine Corps Reserve, establishment of, authorized.
- Marine Corps; provides for increases in the commissioned and enlisted strength, and a partial reorganization of that corps; for the eventual amalgamation of the line and staff; that the major general commandant shall be appointed from officers not below the rank of colonel; authorizes the President to reinstate certain former officers of the Marine Corps; establishes warrant grades of marine gunner and quartermaster clerk; makes certain provisions as to retirement of officers for age and length of service; authorizes the President to transfer to the active list certain retired officers; makes sections 1493 and 1494 of the Revised Statutes, relative to promotion, applicable to the Marine Corps; provides for loss of numbers in lieu of suspension from promotion in case of failure on professional examination; that the number of enlisted men in the Marine Corps shall be exclusive of those sentenced to discharge; for an increase in pay for the Marine Band, and prohibits competition of individuals of the Marine Band with civilian musicians.
- Camps of instruction; establishment and conduct of, authorized.
- Act of March 4, 1917 (64th, 2d) (39 Stat., 1168):
- Discharge, enlisted men; authority to do so under certain circumstances after one year's service at sea, contained in act of August 29, 1916, repealed.
- Oaths, amendment of law authorizing administration of by naval officers for purposes of naval justice and administration.
- Examining and retiring boards; ordering of on foreign station.

Act of March 4, 1917 (64th, 2d) (39 Stats., 1168)—Continued.

Nurse Corps; provision made for transportation of remains of as in the case of officers and men.

Warrant officers; pay of while on shore duty during the fourth three years' service fixed at \$1,750 per annum.

Pay; advance of, not to exceed three months, authorized to be made to officers ordered to and from sea duty and to and from shore duty beyond the seas.

Midshipmen; number to be appointed by Secretary of the Navy from the enlisted men of the Navy increased from 25 to 100.

Naval Academy course; President authorized to reduce from four to three years for a period of two years.

Staff officers; application to, for advancement in rank, of laws relating to examination of line officers for promotion.

Dental surgeons; credit to be given in computing increased service pay and service for promotion for time served as acting or assistant dental surgeons.

Marine Corps enlisted men authorized to be designated as Navy mail clerks and assistant Navy mail clerks with expeditionary forces on shore.

Marine gunners and quartermaster clerks assigned to foreign shore service given increased compensation allowed commissioned officers of the Marine Corps.

Marine Corps enlisted men detailed as clerks and messengers at Marine Corps headquarters allowed a 30-day furlough each year without forfeiture of pay and allowances.

Act May 22, 1917 (65th, 1st) (40 Stat., 84):

Enlisted strength, Navy, temporarily increased to 150,000, including 4,000 additional apprentice seamen.

Enlisted strength, Marine Corps, temporarily increased to 30,000.

Enlistment period during war fixed at four years, for shorter period or periods, as President may prescribe, or for period of war.

Commissioned officers, additional incident to temporary increase in enlisted strength and to supply shortage in number for permanent strength.

Computations for promotions to be made semiannually and at other times, if necessary, during war with German Government, and selection board to be convened at such times as required by exigencies of the service.

Retirement of commissioned officers temporarily advanced in grade or rank.

Promotion of second lieutenants of Marine Corps holding probationary appointments.

Additional marine gunners, quartermaster's clerks, and clerks to assistant paymasters authorized, and eight temporary clerks to assistant paymasters.

Repeals limitation on increase in number of captains in the Navy in any one year.

Repeals law authorizing retirement under certain conditions of colonels in the Marine Corps as brigadier generals.

Pay of enlisted men increased for period from June 1, 1917, until not later than six months after the termination of the present war.

Coast and Geodetic Survey; President authorized in time of national emergency to transfer to service and jurisdiction of the War or Navy Departments vessels, equipment, stations, and personnel thereof.

Medical Corps, Navy, relative position of officers of.

Admiral and vice admirals; designation of for command of fleets or subdivisions thereof; substitution for provision in act of March 3, 1915.

Canal Zone District Court given jurisdiction over offenses committed within Canal Zone under section 44 of the Criminal Code.

Staff officers; advancement to higher ranks.

Examining board records; President released of action upon in favor of Secretary of the Navy.

Extra ration authorized for deck force standing night watches during war with German Government.

Act of July 1, 1918 (65th, 2d) (40 Stat., 704):

Maintenance; special allowance for provided for officers of Navy serving under unusual conditions in foreign countries.

Medals authorized for civilians who render conspicuous service by putting their lives in jeopardy to save life or property.

Clothing, civilian; issue authorized to men given discharges for bad conduct, undesirability, or inaptitude.

National Naval Volunteers abolished and President authorized to transfer all members thereof to Naval Reserve Force.

Medical Reserve Corps; all laws relative to repealed.

Dental Reserve Corps; all laws relative to repealed.

Act of July 1, 1918 (65th, 2d) 40 Stats., 704)—Continued.

Dental Corps; previous legislation reestablishing and reorganizing substituted.

Naval Reserve Force; legislation in act of August 29, 1916, amended.

Enlisted strength, Navy, permanently increased to 131,485 men, and temporarily increased 181,485, and President authorized during war with German Government to make a further addition of 50,000 men.

Apprentice seamen; number of temporarily increased to 24,000.

Flying Corps, enlisted men thereof temporarily increased to 10,000.

Trade schools; number of enlisted men undergoing instruction temporarily authorized at 14,000.

Enlisted strength, Marine Corps, temporarily increased to 75,500.

Private, first class, Marine Corps; rank of established, number being limited to 25 per cent of authorized number of privates.

Major general, Marine Corps; rank of established, and the appointment of one permanent and one temporary authorized.

Officers, Navy; temporary, based upon temporary enlisted strength; maximum rank of changed from lieutenant to lieutenant commander.

Officers, Marine Corps, temporary; 6 brigadier generals, 22 colonels, and 22 lieutenant colonels authorized in addition to number permanently allowed by law in those grades.

Warrant officers; age restriction removed on temporary advancement of to commissioned ranks or grades.

Chief of Naval Operations; allowances of made to correspond with those of general in the Army.

Admirals and vice admirals; officers so serving given allowances of general and lieutenant general in the Army, respectively.

Chiefs of bureaus including Judge Advocate General; incumbents given same pay and allowances as corresponding Army officials.

Retired officers, commissioned and warrant, Navy, Marine Corps, and Coast Guard; authorized to be ordered to active duty in time of war or national emergency and to be permanently and temporarily promoted on retired list to grade or rank not above lieutenant commander in Navy, major in Marine Corps, or captain in Coast Guard.

Sea service in grade; requirement as to as a condition precedent to promotion waived in certain cases during war or national emergency.

Promotion by selection; law in re extended to staff corps.

Aviation duty; extra allowances for those performing not to be allowed

Mail clerks and assistant mail clerks; designation of enlisted men of Navy and Marine Corps as at stations and shore establishments under Navy Department authorized.

Quarters, public; Secretary of the Navy given determination of unavailability of.

Retired enlisted men, Navy and Marine Corps; promotion of those performing active service subsequent to April 6, 1917, authorized.

Quarters; hire of during war with German Government authorized for officers attached to submarines when required to be on shore and public quarters are not available.

Coast Guard; temporary promotions of officers authorized.

Table 73.—CORRESPONDING GRADES IN ARMY, NAVY, AND MARINE CORPS.

Navy.	Army and Marine Corps.	Navy.	Army and Marine Corps.
Admiral.....	General.	Commander.....	Lieutenant colonel.
Vice admiral.....	Lieutenant general.	Lieutenant commander.....	Major.
Rear admiral, first nine.....	Major general.	Lieutenant.....	Captain.
Rear admiral, second nine.....	Brigadier general.	Lieutenant, junior grade.....	First lieutenant.
Commodore ¹	Do.	Ensign.....	Second lieutenant.
Captain.....	Colonel.		

¹ Retired list only.

In fixing the relative rank of officers of the Army, officers of the Navy, and officers of the Marine Corps, of the same grade and date of appointment and commission, the time which each may have actually served as a commissioned officer of the United States, whether continuously or at different periods, shall be taken into account. (Sec. 1219, R. S.)

Officers in the same grade in the Army, Navy, and Marine Corps have relative rank and precedence among themselves according to the dates, respectively, of their commissions, the senior in commission ranking the junior. (Op. Att. Gen., Oct. 7, 1905.)

RELATIVE RANK COAST GUARD OFFICERS WHEN SERVING AS PART OF THE NAVY.

Captains with and next after lieutenant commanders in the Navy.
 First lieutenants with and next after lieutenants in the Navy.
 Second lieutenants with and next after lieutenants (junior grade) in the Navy.
 Third lieutenants with and next after ensigns in the Navy. (Secs. 1492 and 2757, R. S.)

Table 74.—ACTS RELATING TO RETIREMENT GENERALLY.

RETIREMENT, NAVAL OFFICERS.

Admiral, not except upon own application. (Act Mar. 3, 1899, 30 Stats., 1045.)
 Chiefs of bureaus, certain, for age or length of service, etc.; rank, etc. (Sec. 1473, R. S.; act May 13, 1908, 35 Stats., 128; act June 24, 1910, 36 Stats., 607; act August 22, 1912, 37 Stats., 329.)
 Commission for advanced rank when received by operation of law. (Act Mar. 4, 1911, 36 Stats., 1354.)
 Credit of time for regular and volunteer service, Army and Navy, or both. (Act Mar. 3, 1883, 22 Stats., 473.)
 Dental Corps, same as Medical Corps. (Act Aug. 22, 1912, 37 Stats., 345.)
 Misconduct, not ground for, but on report of board shall be discharged. (Sec. 1456, R. S., and act Aug. 5, 1882, 22 Stats., 286.)
 No promotion on retired list. (Act Aug. 5, 1882, 22 Stats., 286.)
 On active duty, pay, etc. (Act Aug. 22, 1912, 37 Stats., 329; act Aug. 29, 1916, 39 Stats., 579.)
 Pay clerks, same rights of retirement as other warrant officers. (Act June 24, 1910, 36 Stats., 606; act Mar. 3, 1915, 38 Stats., 942.)
 Rank and pay next higher grade for Civil War service. (Act Mar. 3, 1899, 30 Stats., 1007; act June 29, 1906, 34 Stats., 554; act Mar. 3, 1909, 35 Stats., 753.)
 Rank of commodore, because of age or length of service for certain staff officers. (Sec. 1481, R. S.)
 Rank to which entitled by seniority when failing physical examination for promotion. (Act Mar. 4, 1911, 36 Stats., 1267; not to apply in certain cases, act Aug. 29, 1916, 39 Stats., 579.)
 Rank on retirement. (Sec. 1457, R. S., and (staff officers) secs. 1481 and 1482, R. S.)
 Receiving vote of thanks, not except for cause until 55 years in service. (Sec. 1446, R. S.)
 Rejected physically from promotion. (Sec. 1447, R. S.; act Mar. 4, 1911, 36 Stats., 1267; act Aug. 29, 1916, 39 Stats., 579.)
 Special classes, on account of physical or mental disability. (Sec. 1445, R. S.)
 Volunteer, after 30 years' service. (Act May 13, 1908, 35 Stats., 128.)
 Voluntary to create vacancies. (Act Mar. 3, 1899, sec. 8, 30 Stats., 1007.)
 When found by board incapacitated. (Secs. 1453 and 1454, R. S.)
 When 64 years of age compulsory. (Sec. 1444, R. S.; act Aug. 29, 1916, 39 Stats., 579; exceptions, secs. 1445 and 1446, R. S.)
 Wholly retired receive one year's pay. (Sec. 1454, R. S.)
 When ineligible for promotion on account of age, certain officers, graded retirement. (Act Aug. 29, 1916, 39 Stats., 579.)
 Retirement of commissioned officers temporarily advanced in grade or rank. (Act May 22, 1917, 40 Stats., 86.)
 Active duty in time of war or national emergency, commissioned and warrant. (Act July 1, 1918, 40 Stats., 717.)
 Promotion while on active duty. (Act July 1, 1918, 40 Stats., 717.)

RETIREMENT, ENLISTED MEN OF NAVY.

After 30 years' service with three-fourths pay of rating. (Sec. 17, act Mar. 3, 1899, 30 Stats., 1008.) Service may be in Navy, Army, or Marine Corps. (Act June 22, 1906, 34 Stats., 451; act Mar. 2, 1907, 34 Stats., 1217.)
 Promotion of those performing active service subsequent to April 6, 1917. (Act July 1, 1918, 40 Stats., 719.)

RETIREMENT, MARINE CORPS.

- Under Army laws. (Secs. 1622 and 1623, R. S.)
 Under Navy laws, certain cases. (Acts Apr. 27, 1904, 33 Stats., 349; June 29, 1906, 34 Stats., 554.)
 Law repealed authorizing retirement under certain conditions of colonels in the Marine Corps as brigadier generals. (Act May 22, 1917, 40 Stats., 87.)
 Retirement of commissioned officers temporarily advanced in grade or rank. (Act May 22, 1919, 40 Stats., 86.)
 Active duty in time of war or national emergency, commissioned and warrant. (Act July 1, 1918, 40 Stats., 717.)
 Promotion while on active duty. (Act July 1, 1918, 40 Stats., 717.)
 Promotion, retired enlisted men, while on active duty subsequent to April 6, 1917. (Act July 1 1918, 40 Stats., 719.)

RETIREMENT, ARMY OFFICERS.

- Active duty above grade of major, full retired pay. (Acts Mar. 2, 1905, 33 Stats., 831, and June 12, 1906, 34 Stats., 245.)
 Active duty, certain receive full pay and allowances. (Act Apr. 23, 1904, 33 Stats., 264; act Mar. 2, 1905, 33 Stats., 831; act June 12, 1906, 34 Stats., 245.)
 Active duty in time of war, receive full pay and allowances. (Act Mar. 2, 1899, 30 Stats., 979.)
 All officers receive 75 per cent of pay of rank upon which retired. (Sec. 1274, R. S.)
 Chiefs of staff and departments. (Act Feb. 2, 1901, 31 Stats., 755.)
 Commission for advanced rank when received by operation of law. (Act Mar. 4, 1911, 36 Stats., 1354.)
 Detailed at educational institutions. (Sec. 1260, R. S.; act Mar. 4, 1880, 21 Stats., 113; act Nov. 3, 1893, 28 Stats., 7; act Aug. 6, 1894, 28 Stats., 235; act Feb. 26, 1901, 31 Stats., 810; act Apr. 21, 1904, 33 Stats., 225; act Mar. 3, 1909, 35 Stats., 738.)
 General of Army, without reduction in current pay or allowances. (Act June 30, 1882, 22 Stats., 118.)
 No increase of pay on retired list, exceptions. (Act Mar. 2, 1903, 32 Stats., 932.)
 Physical disability. (Secs. 1251 and 1252, R. S.)
 Rank and pay next higher grade for (Civil War service. (Acts Apr. 23, 1904, 33 Stats., 264; Mar. 2, 1907, 34 Stats., 1163.)
 Rank next higher grade, disability incident to service, physical failure, promotion. (Act Oct. 1, 1890, 26 Stats., 562.)
 Rank on retirement. (Sec. 1254, R. S.)
 Service which shall be credited for retirement. (Act June 18, 1878, 20 Stats., 150.)
 Special classes (above rank of colonel). (Sec. 1244, R. S.; act June 12, 1906, 34 Stats., 245.)
 Voluntary after 40 and 30 years' service. (Sec. 1243, R. S., and act June 30, 1882, 22 Stats., 118.)
 When served 45 years as commissioned officer, discretion of President. (Sec. 1244, R. S.)
 When 62 years of age may be. (Sec. 1244, R. S.)
 When 64 years of age shall be. (Act June 30, 1882, 22 Stats., 118.)
 Wholly retired receive one year's pay and allowances of highest rank held at time of retirement. (Sec. 1275, R. S.)

Table 75.—OFFICERS WHO HAVE BEEN APPOINTED ADMIRALS AND VICE ADMIRALS.

ACTS CREATING GRADES AND OFFICERS WHO HAVE BEEN APPOINTED TO THEM.

- David G. Farragut.*—Appointed vice admiral December 21, 1864, under act same date. (13 Stats., p. 420.)
 Appointed admiral July 25, 1866, under act same date. (14 Stats., p. 222.)
 Died while on active list, August 14, 1870.
David D. Porter.—Appointed vice admiral July 25, 1866, under act same date. (14 Stats., p. 222.)
 Appointed admiral August 15, 1870, to succeed Farragut, who died August 14, 1870.
 Died February 13, 1891, when on active list.
Stephen C. Rowan.—Appointed vice admiral August 15, 1870, to succeed Porter.
 Died March 31, 1890, when on active list.
 [Act of January 24, 1873 (17 Stats., p. 418), provides that vacancies occurring in the grades of admiral and vice admiral in the Navy of the United States shall not be filled by promotion or in any other manner whatever, and that when the offices of said grades shall become vacant the grade itself shall cease to exist.]

George Dewey.—Appointed admiral March 2, 1899, under act same date, "who shall not be placed upon the retired list except upon his own application, and whenever such office shall be vacated by death or otherwise the office shall cease to exist."

Act of August 29, 1916, provides that "Hereafter the Chief of Naval Operations, while so serving as such Chief of Naval Operations, shall have the rank and title of admiral, to take rank next after the Admiral of the Navy, and shall, while so serving as Chief of Naval Operations, receive the pay of \$10,000 per annum and no allowances * * *." Act of July 1, 1918, provides "That hereafter the Chief of Naval Operations shall receive the allowances which are now or may hereafter be prescribed by or in pursuance of law for the grade of general in the Army, and the officers of the Navy holding the rank and title of admiral and vice admiral in the Navy, while holding such rank and title, shall receive the allowances of a general and lieutenant general of the Army, respectively * * *."

Act of May 22, 1917, provides "That the President be, and he is hereby, further authorized to designate six officers of the Navy for the command of fleets or subdivisions thereof, and, after being so designated, from the date of assuming such command until relinquishing thereof, not more than three of such officers shall each have the rank and pay of an admiral, and the others shall each have the rank and pay of a vice admiral; and the grades of admiral and vice admiral are hereby authorized and continued for the purpose of this act: *Provided*, That in time of war the selections under the provisions of this section shall be made from the grades of rear admiral or captain on the active list of the Navy: *Provided further*, That the pay of an admiral shall be \$10,000 and the pay of a vice admiral \$9,000 per annum: *Provided further*, That in time of peace officers for the command of fleets and subdivisions thereof, as herein authorized, shall be designated from among the rear admirals on the active list of the Navy: *Provided further*, That nothing herein contained shall create any vacancy in any grade in the Navy or increase the total number of officers authorized by law: *Provided further*, That when an officer with the rank of admiral or vice admiral is detached from the command of a fleet or subdivision thereof, as herein authorized, he shall return to his regular rank in the list of officers of the Navy and shall thereafter receive only the pay and allowances of such rank: *And provided further*, That nothing in this act shall be held or construed as amending or repealing the provisions of sections fourteen hundred and thirty-four, fourteen hundred and sixty-three, and fourteen hundred and sixty-four of the Revised Statutes of the United States."

Table 76.—DEPTHS OF HARBORS AT NAVY YARD PORTS.

[Revised by Coast and Geodetic Survey, March, 1919.]

Names.	Es- tab- lished	Water at yard. ¹		Width of channel in front of yard.	Controlling depth to sea.	
		High water.	Mean low water.		High water.	Mean low water.
		<i>Fect.</i>	<i>Fect.</i>	<i>Fect.</i>	<i>Fect.</i>	<i>Fect.</i>
Boston.....	1801	41.6 to 44.6..	32 to 35.....	1,200.....	44.....	35.
Portsmouth..	1880	40.0 to 74.0..	32 to 66.....	980.....	44.7.....	36.
New York....	1801			Width of channel from Ord- nance dock to 30-foot curve on west side of East River is 1,500 feet.	35.....	31.
Philadelphia.	1868	33.4 to 40.4..	28 to 35.....	1,700.....	35.4.....	30.
Washington..	1800	22.9 to 29.9..	20 to 27.....	800.....	23.9.....	21.
Norfolk.....	1801	30.8 to 37.8..	28 to 35.....	525.....	37.5.....	35.
Charleston...	1901	23.2 to 40.2..	18 to 35.....	1,000.....	30.2.....	25.
Pensacola....	1826	15.4 to 41.4..	14 to 40.....	825, 30' chan- nel; 6,000 18' channel.	31.3.....	30.
Mare Island..	1854	(²)		900.....		
Puget Sound.	1891	38.5 to 61.5, M. H. H. W.	25 to 48, Harmonic tide plane.	3,940.....	55.5.....	42, Harmonic tide plane.

¹ These depths show the water in the channel or anchorage in front of the yards. The depths at the wharves are not given. Depths are omitted where they are subject to frequent changes, and authorities at the yard should be consulted for information.

² Present depth at yard and in Mare Island Strait not known. After leaving the strait the controlling depth to sea is, M. H. H. W., 36.6 feet; M. L. L. W., 30 feet.

Table 76.—DEPTHS OF HARBORS AT NAVY YARD PORTS—Continued.

Names.	Es- tab- lished	Water at yard.		Width of channel in front of yard.	Controlling depth to sea.	
		High water.	Mean low water.		High water.	Mean low water.
Narragansett Bay.	1908	<i>Feet.</i> 20.6 to 50.6.	<i>Feet.</i> 17 to 47.	<i>Feet.</i> 5,700 W. of training station and N. of Rose Island.	<i>Feet.</i> W. passage, 25.9; E. passage, 51.6 to 72.6.	<i>Feet.</i> W. passage, 22; E. passage, 49 to 69.
New London.	1878	26.5 to 35.5.	24 to 34.	525.	29.5.	27.
Port Royal.	1883	28 to 36.	21 to 29.	1,378.	27.5.	21.
Key West.	1832	13 to 31.	12 to 30.	About 750 to 24' line.	31.2.	30 main channel.
New Orleans.	1849	51 to 106.	39 to 94, mean annual lowest water.	2,000.	28.2.	27 at SW. Pass (Dec., 1918).
Guantanamo.	1903	20.2 to 43.2.	19 to 42, mean of lowest tides.	2,050.	33.1.	32 at S. Pass (Dec., 1918).
San Juan.	1896	29.1 to 35.1.	28 to 34.	1,148.	30.2.	29, mean of lowest tides. (H. O. chart 2644.)
Sitka.	1867	29.8 to 48.8.	20 to 39, M. L. L. W.	230.	29.1.	28.
Honolulu.	1899	31.8 to 41.8.	31 to 40, M. L. L. W.	1,200.	30.8 NW channel; 42.8 E. channel.	31 NW channel; 23 E. channel; M. L. L. W.
Pearl Harbor.	1906	36.8 to 48.8.	35 to 47, M. L. L. W.	600 to 1,600.	36.8.	35 M. L. L. W.
Guam.	1896	(1).		Open roadstead.	Open roadstead.	Open roadstead.
Tutulia.	1900	33 at steel wharf.	30 at steel wharf.	1,500.	145.5 M. H. W.	143 M. L. W. (H. O. chart 2563.)
Cavite.	1896	21.8 to 27.8, M. H. H. W.	18 to 24, M. L. L. W.	300, 20' channel.	23.8, M. H. H. W.	20, M. L. L. W.
Folloc.	1898	11.6.	6 off end of wharf.	7,600.	106.	100 M. L. L. W.
Olongapo.	1903	36.8 to 92.8.	34 to 90.	300.	50.8.	48.
Cebu.	1898	13.1 to 64.1, M. H. H. W.	8 to 59, M. of selected L. L. W.	1,476.	36.1 NE. approach; 44.1 SW. approach, M. H. H. W.	31 NE. approach, 39 SW. approach, M. L. L. W.
Isabela.	1896	22.2 to 71.	20 to 69.	900.	35.2.	33.
Culebra.	1904	23 to 44.	22 to 43.	2,000.	29.	28.

1 Latest survey made by the Navy is confidential.

Table 77.—DISTANCES BY WATER BETWEEN NAVY YARDS AND STATIONS.

[From navy yard to navy yard or station, commencing with Portsmouth, N. H., and going around to the Philippines.]

Navy yard or station.	Nautical miles.	Navy yard or station.	Nautical miles.
Portsmouth to Boston.	62	New Orleans to Colon (via South Pass).	1,390
Boston to New York (via Vineyard and Long Island Sound).	288	Key West to Guantanamo.	591
Boston to New York (via outside Nantucket light vessel).	390	Guantanamo to San Juan.	540
Boston to Newport (via Vineyard Sound).	162	San Juan to Culebra.	58
Boston to Newport (via outside Nantucket light vessel).	264	New York to Mare Island (via Magellan Strait).	13,153
Boston to Bradford (via Vineyard Sound).	169	New York to Mare Island (via Panama Canal).	5,280
Boston to Bradford (via outside Nantucket light vessel).	271	Mare Island to Puget Sound.	836
Newport to New London.	49	Puget Sound to Sitka (inside).	914
New London to New York (via Long Island Sound).	103	Mare Island to Honolulu.	2,112
New York to Philadelphia.	231	Honolulu to Pearl Harbor.	11
Philadelphia to Washington.	382	Honolulu to Guam.	3,337
Washington to Norfolk.	174	Honolulu to Tutulia (Pago Pago).	2,276
Norfolk to Charleston.	432	Guam to Cavite (via San Bernardino Strait).	1,498
Charleston to Port Royal.	88	Cavite to Olongapo.	62
Port Royal to Key West.	551	Cavite to Polloc (Parang).	642
Key West to Pensacola (via NW Channel).	458	Cavite to Cebu.	388
Pensacola to New Orleans (via South Pass).	228	Cavite to Isabela.	512
		Philadelphia to Guantanamo.	1,291
		Guantanamo to Colon.	696
		Panama to Honolulu.	4,685
		Pearl Harbor to Puget Sound.	2,419

Table 78.—UNITED STATES NAVAL DOCKS.

Yard or station.	Dock No.	Kind.	Material of which dock is constructed.	Class of maximum ship capable of being docked.	General dimensions.							
					Body of dock.			Entrance.				
					Length coping head to side of caisson.	Length on floor head to outer sill.	Width at coping.	Width top of keel blocks.	Depth mean high water to keel blocks.	Width at coping.	Govern- ment width 8 feet above sill.	Depth mean high water to sill.
					<i>Ft. in.</i>	<i>Ft. in.</i>	<i>Ft. in.</i>	<i>Ft. in.</i>	<i>Ft. in.</i>	<i>Ft. in.</i>	<i>Ft. in.</i>	<i>Ft. in.</i>
Portsmouth.....	2	Dry dock	Granite and concrete.	Utah.....	740 10 $\frac{1}{2}$	718 10 $\frac{1}{2}$	130 0 $\frac{1}{2}$	{ 96 8 $\frac{1}{2}$ 92 8 $\frac{1}{2}$ 88 8 $\frac{1}{2}$	{ 30 2 $\frac{1}{2}$ 28 2 $\frac{1}{2}$ 26 2 $\frac{1}{2}$	{ 101 9 90 3 80 3	{ 91 2 46 10 $\frac{1}{2}$ 41 4 $\frac{1}{2}$	{ 30 2 $\frac{1}{2}$ 25 1 $\frac{1}{2}$ 20 0
Boston.....	1	do.	Granite.	Raleigh.....	373 11 $\frac{1}{2}$	357 1	86 1 $\frac{1}{2}$	{ 56 2 $\frac{1}{2}$ 48 2 $\frac{1}{2}$ 44 2 $\frac{1}{2}$	{ 22 0 $\frac{1}{2}$ 19 3 19 3	{ 80 3 101 8 $\frac{1}{2}$ 97 1 $\frac{1}{2}$	{ 46 10 $\frac{1}{2}$ 41 4 $\frac{1}{2}$ 35 0	{ 25 1 $\frac{1}{2}$ 20 0 15 0
Do.....	2	do.	Granite and concrete.	Utah.....	738 1	729 0	114 0	{ 82 0 76 0 70 0	{ 30 0 28 0 26 0	{ 101 8 $\frac{1}{2}$ 87 1 $\frac{1}{2}$ 73 1 $\frac{1}{2}$	{ 41 4 $\frac{1}{2}$ 37 6 32 0	{ 20 0 15 0 10 0
New York.....	1	do.	Granite.	Monterey.....	349 1 $\frac{1}{2}$	326 3 $\frac{1}{2}$	98 1 $\frac{1}{2}$	{ 56 1 $\frac{1}{2}$ 48 1 $\frac{1}{2}$ 44 1 $\frac{1}{2}$	{ 22 1 $\frac{1}{2}$ 20 1 $\frac{1}{2}$ 18 1 $\frac{1}{2}$	{ 87 1 $\frac{1}{2}$ 73 1 $\frac{1}{2}$ 59 1 $\frac{1}{2}$	{ 47 6 43 0 38 0	{ 35 0 30 0 25 0
Do.....	2	do.	Concrete.	Missouri.....	447 8 $\frac{1}{2}$	437 0	112 10 $\frac{1}{2}$	{ 74 9 70 9 66 9	{ 24 3 $\frac{1}{2}$ 22 3 $\frac{1}{2}$ 20 3 $\frac{1}{2}$	{ 89 3 75 6 61 9	{ 75 6 71 0 67 0	{ 24 11 $\frac{1}{2}$ 20 8 $\frac{1}{2}$ 16 5 $\frac{1}{2}$
Do.....	3	do.	Wood.	Michigan.....	656 4 $\frac{1}{2}$	624 9 $\frac{1}{2}$	150 10 $\frac{1}{2}$	{ 72 2 68 2 64 2	{ 27 5 $\frac{1}{2}$ 25 5 $\frac{1}{2}$ 23 5 $\frac{1}{2}$	{ 106 4 $\frac{1}{2}$ 92 7 $\frac{1}{2}$ 78 10 $\frac{1}{2}$	{ 77 0 $\frac{1}{2}$ 73 0 69 0	{ 29 8 $\frac{1}{2}$ 25 8 $\frac{1}{2}$ 21 8 $\frac{1}{2}$
Do.....	4	do.	Granite and concrete.	Idaho.....	694 6	664 6	139 6	{ 112 0 108 0 104 0	{ 32 11 $\frac{1}{2}$ 30 11 $\frac{1}{2}$ 28 11 $\frac{1}{2}$	{ 120 3 $\frac{1}{2}$ 106 6 $\frac{1}{2}$ 92 9 $\frac{1}{2}$	{ 112 0 108 0 104 0	{ 35 8 $\frac{1}{2}$ 31 8 $\frac{1}{2}$ 27 8 $\frac{1}{2}$
Philadelphia.....	1	do.	Wood.	Minnesota.....	491 7 $\frac{1}{2}$	459 10 $\frac{1}{2}$	131 8 $\frac{1}{2}$	{ 58 7 $\frac{1}{2}$ 54 7 $\frac{1}{2}$ 50 7 $\frac{1}{2}$	{ 22 10 $\frac{1}{2}$ 20 10 $\frac{1}{2}$ 18 10 $\frac{1}{2}$	{ 86 0 72 0 58 0	{ 57 9 $\frac{1}{2}$ 53 9 $\frac{1}{2}$ 49 9 $\frac{1}{2}$	{ 25 11 $\frac{1}{2}$ 21 11 $\frac{1}{2}$ 17 11 $\frac{1}{2}$
Do.....	2	do.	Granite and concrete.	North Dakota.....	744 6 $\frac{1}{2}$	731 10 $\frac{1}{2}$	140 2 $\frac{1}{2}$	{ 97 0 $\frac{1}{2}$ 93 0 $\frac{1}{2}$ 89 0 $\frac{1}{2}$	{ 29 10 $\frac{1}{2}$ 27 10 $\frac{1}{2}$ 25 10 $\frac{1}{2}$	{ 102 7 $\frac{1}{2}$ 88 10 $\frac{1}{2}$ 74 13 $\frac{1}{2}$	{ 91 10 $\frac{1}{2}$ 87 10 $\frac{1}{2}$ 83 10 $\frac{1}{2}$	{ 25 10 $\frac{1}{2}$ 21 10 $\frac{1}{2}$ 17 10 $\frac{1}{2}$
Do.....	3	do.	Concrete.	North Dakota.....	1,011 4 $\frac{1}{2}$	1,005 0	144 0	{ 118 0 114 0 110 0	{ 39 11 $\frac{1}{2}$ 37 11 $\frac{1}{2}$ 35 11 $\frac{1}{2}$	{ 127 6 $\frac{1}{2}$ 113 9 $\frac{1}{2}$ 99 12 $\frac{1}{2}$	{ 116 2 $\frac{1}{2}$ 102 5 $\frac{1}{2}$ 88 8 $\frac{1}{2}$	{ 25 11 $\frac{1}{2}$ 21 11 $\frac{1}{2}$ 17 11 $\frac{1}{2}$
Norfolk.....	1	do.	Granite.	Cheyenne.....	1,324 0 $\frac{1}{2}$	1,303 0	86 3 $\frac{1}{2}$	{ 86 3 $\frac{1}{2}$ 82 3 $\frac{1}{2}$ 78 3 $\frac{1}{2}$	{ 39 11 $\frac{1}{2}$ 37 11 $\frac{1}{2}$ 35 11 $\frac{1}{2}$	{ 60 0 $\frac{1}{2}$ 46 0 $\frac{1}{2}$ 32 0 $\frac{1}{2}$	{ 116 2 $\frac{1}{2}$ 102 5 $\frac{1}{2}$ 88 8 $\frac{1}{2}$	{ 25 11 $\frac{1}{2}$ 21 11 $\frac{1}{2}$ 17 11 $\frac{1}{2}$
Do.....	2	do.	Wood.	Idaho.....	490 4 $\frac{1}{2}$	459 8	130 4	{ 57 0 53 0 49 0	{ 24 10 $\frac{1}{2}$ 22 10 $\frac{1}{2}$ 20 10 $\frac{1}{2}$	{ 85 0 71 0 57 0	{ 58 8 44 11 $\frac{1}{2}$ 30 14 $\frac{1}{2}$	{ 25 6 $\frac{1}{2}$ 21 6 $\frac{1}{2}$ 17 6 $\frac{1}{2}$
Do.....	3	do.	Granite and concrete.	Minnesota.....	722 11	732 0	136 0	{ 98 1 $\frac{1}{2}$ 94 1 $\frac{1}{2}$ 90 1 $\frac{1}{2}$	{ 31 0 $\frac{1}{2}$ 29 0 $\frac{1}{2}$ 27 0 $\frac{1}{2}$	{ 112 5 $\frac{1}{2}$ 98 8 $\frac{1}{2}$ 84 11 $\frac{1}{2}$	{ 101 0 87 3 $\frac{1}{2}$ 73 6 $\frac{1}{2}$	{ 25 6 $\frac{1}{2}$ 21 6 $\frac{1}{2}$ 17 6 $\frac{1}{2}$
Do.....	4	do.	Concrete.	Idaho.....	1,011 4 $\frac{1}{2}$	1,005 0	144 0	{ 118 0 114 0 110 0	{ 39 11 $\frac{1}{2}$ 37 11 $\frac{1}{2}$ 35 11 $\frac{1}{2}$	{ 127 6 $\frac{1}{2}$ 113 9 $\frac{1}{2}$ 99 12 $\frac{1}{2}$	{ 116 2 $\frac{1}{2}$ 102 5 $\frac{1}{2}$ 88 8 $\frac{1}{2}$	{ 25 11 $\frac{1}{2}$ 21 11 $\frac{1}{2}$ 17 11 $\frac{1}{2}$
Do.....	5	do.	do.	Idaho.....	465 0 $\frac{1}{2}$	471 0	76 8 $\frac{1}{2}$	{ 64 3 $\frac{1}{2}$ 60 3 $\frac{1}{2}$ 56 3 $\frac{1}{2}$	{ 18 10 16 10 14 10	{ 67 0 $\frac{1}{2}$ 53 3 $\frac{1}{2}$ 39 6 $\frac{1}{2}$	{ 62 1 $\frac{1}{2}$ 48 4 $\frac{1}{2}$ 34 7 $\frac{1}{2}$	{ 20 0 16 0 12 0
Do.....	6	do.	do.	Idaho.....	465 0 $\frac{1}{2}$	471 0	76 8 $\frac{1}{2}$	{ 64 3 $\frac{1}{2}$ 60 3 $\frac{1}{2}$ 56 3 $\frac{1}{2}$	{ 18 10 16 10 14 10	{ 67 0 $\frac{1}{2}$ 53 3 $\frac{1}{2}$ 39 6 $\frac{1}{2}$	{ 62 1 $\frac{1}{2}$ 48 4 $\frac{1}{2}$ 34 7 $\frac{1}{2}$	{ 20 0 16 0 12 0
Do.....	7	do.	do.	Idaho.....	465 0 $\frac{1}{2}$	471 0	76 8 $\frac{1}{2}$	{ 64 3 $\frac{1}{2}$ 60 3 $\frac{1}{2}$ 56 3 $\frac{1}{2}$	{ 18 10 16 10 14 10	{ 67 0 $\frac{1}{2}$ 53 3 $\frac{1}{2}$ 39 6 $\frac{1}{2}$	{ 62 1 $\frac{1}{2}$ 48 4 $\frac{1}{2}$ 34 7 $\frac{1}{2}$	{ 20 0 16 0 12 0
Do.....	8	do.	do.	Idaho.....	465 0 $\frac{1}{2}$	471 0	76 8 $\frac{1}{2}$	{ 64 3 $\frac{1}{2}$ 60 3 $\frac{1}{2}$ 56 3 $\frac{1}{2}$	{ 18 10 16 10 14 10	{ 67 0 $\frac{1}{2}$ 53 3 $\frac{1}{2}$ 39 6 $\frac{1}{2}$	{ 62 1 $\frac{1}{2}$ 48 4 $\frac{1}{2}$ 34 7 $\frac{1}{2}$	{ 20 0 16 0 12 0
Charleston.....	1	do.	Granite and concrete.	Utah.....	566 7 $\frac{1}{2}$	548 0	134 0	{ 96 2 92 2 88 2	{ 35 11 $\frac{1}{2}$ 33 11 $\frac{1}{2}$ 31 11 $\frac{1}{2}$	{ 113 0 $\frac{1}{2}$ 99 3 $\frac{1}{2}$ 85 6 $\frac{1}{2}$	{ 101 11 $\frac{1}{2}$ 87 14 $\frac{1}{2}$ 73 17 $\frac{1}{2}$	{ 34 1 30 4 26 7
Do.....	2	do.	Granite.	Charleston.....	507 11 $\frac{1}{2}$	499 1 $\frac{1}{2}$	122 0	{ 45 0 41 0 37 0	{ 27 0 $\frac{1}{2}$ 25 0 $\frac{1}{2}$ 23 0 $\frac{1}{2}$	{ 80 6 $\frac{1}{2}$ 66 9 $\frac{1}{2}$ 52 12 $\frac{1}{2}$	{ 61 0 47 3 33 6	{ 26 3 22 6 18 9
Do.....	3	do.	Granite and concrete.	North Dakota.....	740 4 $\frac{1}{2}$	729 10 $\frac{1}{2}$	120 0	{ 88 0 84 0 80 0	{ 28 6 $\frac{1}{2}$ 26 6 $\frac{1}{2}$ 24 6 $\frac{1}{2}$	{ 101 11 87 14 73 17	{ 92 3 $\frac{1}{2}$ 78 6 64 9	{ 30 3 $\frac{1}{2}$ 26 6 22 9
Puget Sound.....	1	do.	Wood body, masonry entrance.	Michigan.....	636 11 $\frac{1}{2}$	618 7 $\frac{1}{2}$	130 1 $\frac{1}{2}$	{ 76 3 $\frac{1}{2}$ 72 3 $\frac{1}{2}$ 68 3 $\frac{1}{2}$	{ 28 0 $\frac{1}{2}$ 26 0 $\frac{1}{2}$ 24 0 $\frac{1}{2}$	{ 92 8 $\frac{1}{2}$ 78 11 $\frac{1}{2}$ 64 14 $\frac{1}{2}$	{ 74 0 60 3 46 6	{ 29 10 $\frac{1}{2}$ 25 13 $\frac{1}{2}$ 21 16 $\frac{1}{2}$
Do.....	2	do.	Granite and concrete.	Idaho.....	827 6	801 8	145 0	{ 113 0 109 0 105 0	{ 35 6 33 6 31 6	{ 123 9 109 12 95 15	{ 114 0 100 3 86 6	{ 38 0 34 3 30 6
Pearl Harbor.....	1	do.	do.	Idaho.....	1,000 0	1,008 0	138 0	{ 114 0 110 0 106 0	{ 32 6 30 6 28 6	{ 123 0 109 3 95 6	{ 114 0 100 3 86 6	{ 35 0 31 3 27 6
Do.....	2	do.	do.	Tug.....	110 0	108 0	114 0	{ 114 0 110 0 106 0	{ 32 6 30 6 28 6	{ 123 0 109 3 95 6	{ 114 0 100 3 86 6	{ 35 0 31 3 27 6
New Orleans.....	1	Floating	Steel.	Vermont.....	535 0	500 0 $\frac{1}{2}$	100 0	{ 100 0 96 0 92 0	{ 30 0 28 0 26 0	{ 30 0 26 0 22 0	{ 70 0 56 0 42 0	{ 7 3 $\frac{1}{2}$ 7 3 $\frac{1}{2}$ 7 3 $\frac{1}{2}$
Olongapo.....	1	do.	do.	Connecticut.....	600 0 $\frac{1}{2}$	585 0	90 10 $\frac{1}{2}$	{ 90 10 $\frac{1}{2}$ 86 10 $\frac{1}{2}$ 82 10 $\frac{1}{2}$	{ 30 0 28 0 26 0	{ 97 0 83 0 69 0	{ 70 0 56 0 42 0	{ 26 0 22 0 18 0
Do.....	2	do.	do.	Olympia.....	485 0	465 0	126 0	{ 59 0 55 0 51 0	{ 26 0 24 0 22 0	{ 97 0 83 0 69 0	{ 70 0 56 0 42 0	{ 26 0 22 0 18 0
Hunters Point, San Francisco.....	3	do.	Concrete.	Olympia.....	1,007 6	1,013 0	153 0	{ 114 10 $\frac{1}{2}$ 110 10 $\frac{1}{2}$ 106 10 $\frac{1}{2}$	{ 37 6 35 6 33 6	{ 134 0 120 0 106 0	{ 121 2 107 5 93 8	{ 40 0 36 0 32 0
Do.....	4	do.	do.	Olympia.....	1,176 0	1,170 0	149 0	{ 125 0 121 0 117 0	{ 42 6 40 6 38 6	{ 133 0 119 0 105 0	{ 121 9 107 2 93 5	{ 44 9 $\frac{1}{2}$ 40 6 36 3
Do.....	5	do.	do.	Olympia.....	1,164 0	1,102 8 $\frac{1}{2}$	143 0	{ 114 0 110 0 106 0	{ 41 6 39 6 37 6	{ 110 0 96 0 82 0	{ 108 6 94 9 80 12	{ 46 0 42 3 38 6

¹ Maximum. ² To accommodate 8,000-ton ship, 448 feet long, 58-foot beam, 17-foot draft. ³ About. ⁴ From coping at head to miter gates, measured on center line. ⁵ Out of commission or abandoned. ⁶ Largest contemplated.

Yard or station.	Dock No.	History of construction.		Cost to date of completion.	Mean rise and fall of tide.	Controlling depth yard to low water.	Controlling width yard to sea.	Channel from dockyard to sea.	
		Date commencement.	Date completed.					Maximum draft ship 1 for channel at mean low water. ²	Maximum draft ship 1 for channel at mean high water. ³
Portsmouth.....	2	1899	1906	\$1,122,905.59	Fed. 7.8	Fed. 36	Fed. 600	Largest contemplated.	Largest contemplated.
Boston.....	1	1827	1833	972,717.29	9.6	35	1,200	.....	Do.
Do.....	2	1899	1905	1,100,000.00	9.6	35	1,200	.....	Do.
New York.....	1	1841	1851	2,063,498.05	4.2	31	500	.....	Do.
Do.....	2	1857	1901	1,191,521.76	4.2	31	500	.....	Do.
Do.....	3	1853	1897	554,707.08	4.2	31	500	.....	Do.
Do.....	4	1905	1913	2,500,000.00	4.2	31	500	.....	Do.
Philadelphia.....	1	1889	1891	548,700.00	5.9	30	600	.....	Do.
Do.....	2	1899	1908	1,471,560.67	5.9	30	600	.....	Do.
Do.....	3	1917	(4)	4,700,000.00	5.9	30	600	.....	Do.
Norfolk.....	1	1827	1834	943,676.00	2.8	40	100	.....	Do.
Do.....	2	1887	1889	504,960.76	2.8	40	100	.....	Do.
Do.....	3	1903	1911	1,761,475.79	2.8	40	100	.....	Do.
Do.....	4	1917	(1)	(4)	2.8	40	100	.....	Do.
Do.....	6	1918	(1)	(4)	2.8	40	100	.....	Do.
Do.....	7	1918	(6)	(4)	2.8	40	100	.....	Do.
Charleston.....	1	1902	1908	1,250,000.00	5.2	25.5	300	.....	Oklahoma.
Mars Island.....	1	1872	1891	2,772,332.08	4.8	24	500	.....	North Dakota.
Do.....	2	1899	1910	1,679,655.90	4.8	24	500	.....	Do.
Puget Sound.....	1	1892	1896	632,636.33	7.8	40	984	.....	Largest contemplated.
Do.....	2	1908	1913	2,300,000.00	7.8	40	984	.....	Do.
Pearl Harbor.....	1	1909	(1)	4,064,520.00	1.5	35	600	.....	Do.
Do.....	1	1899	1902	909,712.52	4.8	100	18,000	.....	Do.
New Orleans.....	1	1899	1902	909,712.52	6.0	28	200	.....	Delaware.
Olongapo.....	1	1903	1905	1,170,792.68	4.0	53	2,500	.....	Largest contemplated.
Fort Royal.....	1	1885	1885	521,999.89	7.0	27	200	.....	Do.
Hunters Point, San Francisco.....	3	1916	1919	6,000,000.00	6.0	30	200	.....	Largest contemplated.
South Boston.....	1	1914	(1)	4,550,000.00	9.8	35	1,200	.....	Do.

¹ Out of commission or abandoned.

⁴ Amounts appropriated.

⁵ Contract price dock complete, including yard labor.

⁶ Estimated cost for both No. 6 and No. 7, \$1,350,000.

¹ Naval vessel.

² 12-inch clearance under keel.

³ Under construction.

Table 79.—UNITED STATES NAVAL MARINE RAILWAYS (AS OF JUNE 30, 1918).

Name of navy yard or naval station.	Length.	Capacity.	Name of navy yard or naval station.	Length.	Capacity.
	<i>Feet.</i>	<i>Tons.</i>		<i>Feet.</i>	<i>Tons.</i>
Boston, Mass. ¹	652	2,000	Key West, Fla.....	648	750
Cape May, N. J.....	520	500	San Juan, P. R.....	65	6
Washington, D. C.....	493	493	Cavite No. 1.....	305	500
Norfolk, Va.....	300	150	Cavite No. 2.....	230	30
Charleston, S. C.....	729	2,000	Cavite No. 3.....	210	25

¹ Under construction.

Table 80.—PANAMA CANAL STATISTICS.

Length from deep water to deep water.....	miles..	50
Length on land.....	do...	41½
Bottom width of channel, maximum.....	feet..	1,000
Bottom width of channel, minimum, 9 miles, Culebra Cut.....	do...	300
Locks, in pairs.....	do...	12
Locks, usable length.....	feet..	1,000
Locks, usable width.....	do...	110
Gatun Lake, area.....	square miles..	167.4
Gatun Lake, channel depth.....	feet..	85 to 45
Excavation, amount accomplished Dec. 1, 1918.....	cubic yards..	¹ 274, 169, 302
Excavation by the French.....	do...	78, 146, 960
Excavation by the French, useful to present canal.....	do...	29, 908, 000
Concrete, total estimated for canal.....	do...	5, 208, 000
Time of transit through completed canal.....	hours..	About 10
Time of passage through locks.....	do...	8
Relocated Panama Railroad, cost.....	do...	\$9, 800, 626. 46
Relocated Panama Railroad, length.....	miles..	47. 1
Canal Zone, area.....	square miles..	441. 5
French buildings, number acquired.....	do...	2, 150
French buildings, number used.....	do...	1, 537
French buildings, net value when acquired.....	do...	\$1, 959, 203
Value of utilized French equipment and scrap sold.....	do...	\$2, 112, 063
Canal force (maximum) actually at work Mar. 26, 1913.....	do...	39, 089
Canal force, Americans (maximum), actually at work Mar. 26, 1913 ..	do...	5, 326
Canal force actually at work Mar. 5, 1919.....	do...	19, 861
Canal force, Americans, Mar. 5, 1919.....	do...	3, 487
Cost of canal, estimated total (exclusive of fortifications).....	do...	\$375, 000, 000
Work begun by Americans.....	do...	May 4, 1904
Date of opening.....	do...	² Aug. 15, 1914

THE LOCKS.

There are six double locks in the canal, three pairs in flight at Gatun, with a combined lift of 85 feet; one pair at Pedro Miguel, with a lift of 30½ feet; and two pairs at Miraflores, with a combined lift of 54½ feet at mean tide. The dimensions of all are the same—a usable length of 1,000 feet and a usable width of 110 feet. Each lock is a chamber, with walls and floor of concrete and water-tight gates at each end.

OTHER INFORMATION.

No vessel is permitted to enter or pass through the locks under its own power. Electricity is used to tow all vessels into and through the locks and to operate all gates and valves, power being generated by water turbines from the head created by Gatun Lake.

¹ Exclusive of usable French excavation; also exclusive of additional excavation made necessary by slides since July 1, 1915.

² This is the date the canal was informally opened to commerce for vessels not requiring more than 30 feet of water.

The entire length of the canal from deep water in the Atlantic to deep water in the Pacific is about 50 miles. Its length on land is about 41½ miles.

In passing through from the Atlantic to the Pacific, a vessel enters a channel with a bottom width of 500 feet in Limon Bay, follows this for about 7 miles to Gatun, where it enters a series of three locks in flight and is lifted 85 feet to the level of Gatun Lake. It can sail at full ocean speed through this lake, in a channel varying from 1,000 to 500 feet in width, for a distance of about 24 miles, to Bas Obispo, where it enters the Gaillard Cut. It then sails through the cut, a distance of about 9 miles, in a channel with a bottom width of 300 feet, to Pedro Miguel. There it enters a lock and is lowered 30½ feet to a small lake at an elevation of 54½ feet above sea level, and sails through this for about 1½ miles, to Miraflores. There it enters two locks in series and is lowered to sea level, passing out into the Pacific through a channel about 8½ miles in length, with a bottom width of 500 feet. The depth of the approach channel in the Atlantic side, where the tidal oscillation does not exceed 1½ feet, is 41 feet at mean tide; and on the Pacific side, where the maximum oscillation is 23 feet, the depth is 45 feet at mean tide.

The following statement shows the appropriations thus far made by Congress for the fortification of the Panama Canal:

Appropriations to June 30, 1918.....		\$29, 950, 572. 30
Deficiency act, July 8, 1918.....	\$72, 820. 70	
Fortifications act, July 8, 1918.....	2, 025, 788. 85	
Deficiency act, Mar. 4, 1918.....	358, 866. 00	
Fortifications act, Mar. 3, 1919.....	4, 523, 849. 00	
		6, 981, 324. 55
Total.....		36, 931, 896. 85

SUMMARY OF TRAFFIC THROUGH THE PANAMA CANAL SINCE ITS OPENING TO COMMERCIAL TRAFFIC.

	Atlantic to Pacific.				Pacific to Atlantic.				Total.			
	Ves- sels.	Canal tonnage.		Cargo tons.	Ves- sels.	Canal tonnage.		Cargo tons.	Ves- sels.	Canal tonnage.		Cargo tons.
		Gross.	Net.			Gross.	Net.			Gross.	Net.	
Fiscal year ending June 30, 1915.....	530	2,657,865	1,894,728	2,125,735	553	2,758,922	1,938,307	2,844,057	1,068	5,416,787	3,949,035	4,999,792
Fiscal year ending June 30, 1916.....	411	1,912,846	1,308,231	1,484,283	376	1,653,683	1,171,531	1,706,810	1,787	3,596,529	2,479,762	3,140,046
Fiscal year ending June 30, 1917.....	905	4,170,733	2,925,414	3,076,843	971	4,360,063	3,083,944	4,152,412	1,876	8,580,821	6,009,358	7,226,245
Fiscal year ending June 30, 1918.....	921	3,938,042	2,750,378	2,639,466	1,209	5,433,297	3,903,480	4,922,667	2,130	9,371,339	6,638,858	7,562,133
Total.....	2,767	12,679,486	8,868,751	9,376,280	3,114	14,235,990	10,122,262	13,624,046	5,891	26,915,476	18,991,013	22,901,226

NUMBER OF VESSELS OF VARIOUS NATIONALITIES PASSING THROUGH THE PANAMA CANAL.

	Argentinian.	British.	Canadian.	Chilean.	Chinese.	Costa Rican.	Cuban.	Danish.	Dutch.	French.	German.	Greek.	Honduran.	Italian.	Japanese.	Mexican.	Nicaraguan.	Norwegian.	Panamanian.	Peruvian.	Russian.	Spanish.	Swedish.	United States.	Total.
1918, fiscal year.....	1	699	.....	96	2	20	.....	100	49	52	.....	2	.....	4	53	1	.....	296	4	53	2	12	26	628	2,130
1917, fiscal year.....	.....	780	.....	99	.....	23	6	43	74	9	6	.....	.....	2	24	13	2	150	7	86	2	20	18	464	1,676
1916, fiscal year.....	1	353	.....	33	.....	.....	.....	18	15	1	.....	.....	3	1	21	.....	.....	45	6	80	1	.....	13	238	787
1915, fiscal year.....	.....	465	.....	35	.....	.....	.....	23	7	3	.....	.....	3	2	6	.....	1	42	2	4	6	.....	18	470	1,068
Grand total.....	2	2,302	1	263	2	43	6	184	145	65	16	2	6	9	153	14	3	533	19	203	11	32	75	1,900	5,881

1 Refers to German vessels seized in Canal Zone but not issued United States registers until subsequent to canal transits, as shown.

The tolls collected on vessels transiting the Panama Canal during the fiscal year ending June 30, 1918, amount to \$6,439,083.99. The amount of tolls collected since the opening of the canal is \$18,654,380.16.

The following table shows the operations of the Panama Canal dry docks during the fiscal year 1918:

VESSELS DOCKED.

	Number.	Tonnage.
Panama Canal.....	66	.....
War and Navy.....	42	60,012
Commercial.....	55	126,781

The amount of coal used on the Isthmus during the fiscal year 1918, including sales to commercial and Government vessels, was 568,984 tons, as compared with 508,731 tons during the fiscal year 1917.

The following table shows the amount of fuel-oil handled on the Isthmus during fiscal year 1918:

	Balboa.	Mount Hope.	Total.
Number of barrels received by the Panama Canal.....	602,240	70,107	672,356
Number of barrels used by the Panama Canal.....	321,108	119,297	440,405
Number of barrels pumped for individuals and companies.....	810,049	121,502	931,551
Number of barrels sold by the Panama Canal.....	325,181	49,803	374,984
Number of barrels representing miscellaneous transfers on tank farm.....	67,428	30,493	97,921
Total number of barrels handled.....	2,126,015	391,202	2,517,217
Number of ships handled.....	276	162	438

Table 81.—SUEZ CANAL STATISTICS.

Vessels' tolls have been changed from time to time since 1894, when the maximum rate of 13 francs (\$2.51) per ton net register was put in force.

The Suez Canal Co. decided to increase the tolls, on and after October 5, 1916, to the extent of 50 centimes per ton, making the rate for laden ships 7.25 francs, and for ships in ballast 4.75 francs a ton.

After January 1, 1898, the canal tolls for vessels in ballast was 8.50 francs.

TRANSIT RECEIPTS.

	Francs.
1915.....	93,522,616
1916.....	80,862,403

Number of vessels and tonnage, 1916: Vessels, 3,110; net tons, 12,325,347.

SUEZ CANAL TRAFFIC AND OPERATIONS DURING 1917.

The maritime movement of the Suez Canal during 1917 totaled 2,353 transits, representing a net total of 8,368,918 tons. In comparison to 1916 these figures show a decrease of 757 transits or 3,956,429 tons, a 32.10 per cent decrease from the previous year. Compared to 1913, the latest year during which normal conditions prevailed, the 1917 figures show a decrease of 58.23 per cent. Categorical details as to classes of vessels are as follows:

Category.	Number of transits.	Tonnage, net.
Merchant vessels, laden.....	522	2,042,729
Merchant vessels, in ballast.....	220	799,285
Vessels carrying mail.....	209	919,625
Government vessels.....	312	713,751
Government chartered vessels.....	1,090	3,893,528
	2,353	8,368,918

A point worthy of notice is the increase in transits and tonnage of Government and Government chartered vessels owing to war measures. It is no longer possible to determine, as in the past, when Government vessels were distinctly separate from merchant vessels, the general commercial trend in canal transits.

The proportionate tonnage and number of transits by countries for 1917 was:

Country.	Number of transits.	Tonnage.
United States.....	15	27,693
British.....	1,647	6,164,201
Chinese.....	1	269
Danish.....	11	34,639
Spanish.....	8	20,964
French.....	163	529,388
Greek.....	127	357,736
Italian.....	231	777,549
Japanese.....	80	154,875
Dutch.....	33	125,610
Norwegian.....	20	67,552
Portuguese.....	6	27,752
Russian.....	4	600
Swedish.....	7	30,090
Total.....	2,353	8,368,918

The number of vessels transiting the canal in 1917 which drew the maximum of 30 feet was only one-sixth of 1 per cent of the total number of ships passing through, while in 1913, 50 per cent of vessels transiting drew over 27 feet 1½ inches.

The average time of transit has steadily increased since 1913. The average transit time for 1913, which was 16 hours 19 minutes, increased to 19 hours 12 minutes in 1916, and averaged in 1917, 18 hours 10 minutes. The increase in time of transit is due to regulations imposed by the military authorities, and delays at the new military canal port of Kantara.

The total number of passengers passing through the canal during 1917 amounted to 142,313, against 283,030 for 1916 and 282,235 for 1913.

The 1917 traffic was principally military, as detailed below:

Military passengers:	
British.....	20,424
French.....	95,311
Italian.....	7,087
Japanese.....	898
Dutch.....	235
Civilian passengers.....	17,867
Special (pilgrims, emigrants, deportees).....	491
Total.....	142,313

Receipts for 1917 aggregated \$11,797,749 for tonnage dues and \$273,172 for passenger traffic.

The increase in toll charges for 1917 compensated to a certain degree for the diminution in number of transits. The charge of \$0.193 made in 1916 was again increased by \$0.241 per ton in 1917. The said increase was put into effect in two installments, namely, \$0.096 from January 1, 1917, on, and \$0.144 from July 1, 1917, on, the total increase thus being \$0.434 per ton. This brought the toll charge up to 8 francs 50 centimes, or \$1.64, an increase of 36 per cent over prewar tolls.

Maintenance work comprising dredging and bank excavation work amounted to 2,917,104 cubic yards, as compared to 3,373,052 cubic yards in 1916. Of the 1917 total, 1,184,473 cubic yards were dredged at Port Said, representing a saving in dredging in that harbor of 1,382,626 cubic yards over 1916. Dredging in the canal, on the other hand, showed an increase of 946,689 cubic yards. The lengthening of the jetty is solely responsible for the saving in dredging at Port Said. This may be seen by the following figures, showing that in 1913, 4,394,300 cubic meters (5,747,492 cubic yards), while in 1917 the amount has decreased to 905,600 cubic meters (1,184,472 cubic yards).

Improvements continued in the shape of the prolonging of the western jetty at Port Said and the usual canal dredging. The benefit derived from the construction of the jetty in question has become more and more apparent, and all future lengthening will now be continued at a slower pace, owing to the increase in the prices of

construction materials. Certain new quarries in the vicinity of the canal are being used to advantage in this respect.

A feature of the canal is the military depot at Kantara (between Ismalia and Port Said). Three bridges for military purposes have been constructed there, thus linking Egypt and Palestine by railway and road.

Table 82.—NAVY PAY TABLES AND EXPLANATORY NOTES.

PAY OF COMMISSIONED OFFICERS OF THE NAVY.

[Acts of May 13, 1908; Aug. 29, 1916; May 22, 1917.]

Rank.	Pay.	Rank.	Pay.
Admiral (in command of fleet).....	\$10,000	Commander.....	\$3,500
Vice admiral (second in command of fleet)	9,000	Lieutenant commander.....	3,000
Rear admiral, first nine.....	8,000	Lieutenant.....	2,400
Rear admiral, second nine.....	6,000	Lieutenant (junior grade).....	2,000
Captain.....	4,000	Ensign.....	1,700

[For old Navy rates of pay, see section 1556, Revised Statutes.]

1. *Chief of Naval Operations* "while serving as such shall receive the pay of \$10,000 per annum * * * * (act Aug. 29, 1916), and "shall receive the allowances which are now or may hereafter be prescribed or in pursuance of law for the grade of general in the Army * * * ." (Act July 1, 1918.)

2. *Admirals and vice admirals.*—" * * * officers of the Navy holding the rank and title of admiral and vice admiral in the Navy while holding such rank and title shall receive the allowances of a general and lieutenant general of the Army, respectively." (Act July 1, 1918.)

3. *Pay, chiefs of bureaus and assistant to bureaus.*—"The pay and allowances of chiefs of bureaus in the Navy Department shall be the highest pay of the grade to which they belong and not below that of a rear admiral of the lower nine." (Act May 13, 1908; Comp. Dec., June 22, 1916.) "And hereafter chiefs of bureaus of the Navy Department, including the Judge Advocate General of the Navy, shall, while so serving, have corresponding rank and shall receive the same pay and allowances as are now or may hereafter be prescribed by or in pursuance of law for chiefs of bureaus of the War Department and the Judge Advocate General of the Army." (Act July 1, 1918.)

(a) Assistants to chiefs of bureaus are entitled to the highest pay of their grade.

(b) The act of May 13, 1903, is the law governing the pay of chiefs of bureaus. (Comp. Dec., June 22, 1916.)

(c) Chiefs of bureaus and assistants to chiefs of bureaus are not entitled to the 10 per cent additional of their pay allowed for sea duty as a part of the "highest pay of their grade." (Comp. Dec., June 30, 1908; Aug. 7, 1908; Aug. 19, 1908.)

(d) A rear admiral of the second nine when chief of a bureau is not entitled to the pay of a rear admiral of the first nine, as "the highest pay of the grade." (Comp. Dec., Apr. 14, 1909.)

4. *Commandant, Mare Island, and superintendent Naval Academy.*—The commandant of the Mare Island Navy Yard and the superintendent of the Naval Academy are entitled to the 10 per cent additional pay allowed for sea service by act of May 13, 1908. (Joint resolution of Congress Mar. 3, 1863; act Sept. 28, 1850; Comp. Dec., Oct. 31, 1904; July 16, 1908.)

5. *Aids to rear admirals.*—"Aids to rear admirals embraced in the nine lower numbers of that grade shall each receive one hundred and fifty dollars additional per annum; and aids to all other rear admirals two hundred dollars additional per annum each." (Act May 13, 1908.)

(a) Fleet engineers are not entitled to the extra compensation allowed aids to rear admirals by the act of May 13, 1908. (Comp. Dec., July 31, 1908.)

(b) The number of aids which may be allowed a rear admiral may be fixed by Navy Regulations. (Comp. Dec., Dec. 16, 1914.)

(c) Aids are not entitled to additional pay as such while serving on the staff of a division commander who holds the rank of rear admiral under authority of section 1434 of the Revised Statutes. (Comp. Dec., July 26, 1910.)

(d) Aids to rear admirals are entitled to additional pay as such while on authorized leave of absence provided they continue to hold said position while so absent. (Comp. Dec., Aug. 12, 1910.)

(e) A lieutenant of the Navy ordered by the Secretary of the Navy to report to a rear admiral commandant of a station for duty as his aid is entitled to the additional pay therefor as provided by the act of May 13, 1908 (35 Stat., 128). (Comp. Dec., Mar. 21, 1912; Dec. 11, 1916.)

(f) An officer above the rank of lieutenant serving as aid to a rear admiral in command of a division is not entitled to additional pay for such service. (Comp. Dec., Aug. 5, 1914.)

(g) A lieutenant commander serving as aid (flag secretary) to a commander in chief is entitled to the additional pay. (Comp. Dec., Mar. 26, 1914.)

(h) An officer assigned to duty as aid and fleet engineer on the staff of a rear admiral is entitled to the additional pay. (Comp. Dec., June 25, 1914.)

(i) Fleet ordnance officers are not entitled to the additional pay allowed for duty as aid. (Comp. Dec., Nov. 11, 1914.)

(j) A lieutenant assigned to duty simply as aid on the staff of a rear admiral commanding the fleet is not entitled to the additional pay. (Comp. Dec., Sept. 24, 1915.)

(k) An officer ordered to duty as aid to a commandant of a shore station is not entitled to the additional pay. (Comp. Dec., Feb. 18, 1915.) Likewise an officer ordered to duty as aid to commandant and who performs routine executive duties is not entitled to the additional pay even though such commandant is a rear admiral. (Comp. Dec., Dec. 11, 1916.)

(l) Aids to rear admirals designated commanders in chief with rank of admiral are entitled to the additional pay allowed by law for aids to rear admirals. (Comp. Dec., Oct. 13, 1915.)

(m) An officer promoted to lieutenant commander while serving as aid and flag lieutenant to a rear admiral in command of a fleet is still entitled to additional pay. (Comp. Dec., Dec. 1, 1915.)

(n) An officer serving as aid to Chief of Naval Operations is not entitled to the additional pay provided by act of May 13, 1908. (Comp. Dec., Sept. 29, 1917.)

6. *Chaplains.*—"Hereafter all commissioned officers of the active list of the Navy shall receive the same pay and allowances according to rank and length of service." (Act Aug. 29, 1916.) "Rank and length of service of all chaplains of the Navy may readily be ascertained by inspection of the official Navy Register." (G. O. No. 246.)

(a) An acting chaplain appointed under act June 30, 1914, is entitled to pay and allowances prescribed therein from the date of his acceptance and oath (with 10 per cent additional for sea duty provided by act May 13, 1908), and such pay and allowances are not limited to periods of active duty only. (Comp. Dec., May 29, 1916.)

7. *Naval Dental Corps.*—(Authorized by acts of Aug. 22, 1912; Mar. 4, 1913; Aug. 29, 1916.) (For full text of latter act see G. O. No. 231, dated Aug. 31, 1916.)

"Dental surgeons shall have the rank, pay, and allowances of lieutenants (junior grade) until they shall have completed five years' service." (Act Aug. 29, 1916.)

"Dental surgeons of more than five but less than twenty years' service shall * * * have the rank, pay, and allowances of lieutenant." (Act Aug. 29, 1916.)

"Dental surgeons of more than twenty years' service shall * * * have the rank, pay, and allowances of lieutenant commander," but this number shall not exceed ten. (Act. Aug. 29, 1916.)

"* * * and the time served by dental surgeons as acting or acting assistant dental surgeons shall be reckoned in computing the increased service pay and service for promotion of such as are commissioned under said act." (Act Mar. 4, 1917.)

Dental Reserve Corps.—(Authorized by act of Aug. 29, 1916.) (See G. O. No. 231.)

8. *Midshipmen.*—"The pay of midshipmen shall hereafter be six hundred dollars per annum while at the Naval Academy and one thousand four hundred dollars per annum after graduation from the Naval Academy." (Act May 13, 1908.)

(a) Midshipmen on sea duty or shore duty beyond the continental limits of the United States are not entitled to the 10 per cent additional pay allowed by act of May 13, 1908, to commissioned officers of the Navy for such duty. (Comp. Dec., June 13, 1908.)

Midshipmen are entitled to one ration, or to commutation therefor, at all times. (N. R. 4517-1.)

9. *Acting assistant surgeons.*—An acting assistant surgeon appointed by authority of the act of May 4, 1898 (30 Stat., 380), is entitled to the same pay and allowances as an assistant surgeon of like length of service. (Reversing all Comptroller's decisions and decision of the Court of Claims, Jan. 29, 1906, relative to compensation of acting assistant surgeons.) (Dec. of Supreme Court, Apr. 1, 1912.)

(a) *Rations.*—Acting assistant surgeons when attached to and doing duty aboard a seagoing vessel are entitled to rations or commutation therefor. (Comp. Dec., June 8, 1909; June 10, 1912.)

(b) An acting assistant surgeon discharged from the service and ordered to his home is entitled to mileage at the rate of 4 cents per mile for the travel so performed. (Navy personnel act Mar. 3, 1899 (30 Stat., 1004); Army appropriation act Mar. 2, 1901 (31 Stat., 895, 902) and decision of the Supreme Court, No. 177, *Plummer v. United States.*) (Comp. Dec., Apr. 29, 1912.)

10. *Pay, longevity.*—"There shall be allowed and paid to each commissioned officer below the rank of rear admiral ten per centum of his current yearly pay for each term of five years' service in the Army, Navy, and Marine Corps. The total amount of such increase for length of service shall in no case exceed forty per centum on the yearly pay of the grade as provided by law: *Provided*, That the annual pay of captain shall not exceed five thousand dollars per annum; of commander four thousand five hundred dollars per annum; and of lieutenant commander four thousand dollars per annum." (Act May 13, 1908.)

(a) All officers appointed to the active list of the Navy from civil life on or prior to March 3, 1913, receive, for purposes of pay, a credit of five years' constructive service; those appointed since March 3, 1913, do not receive this credit.

(b) In computing the pay of midshipmen, those appointed on or prior to March 3, 1913, receive credit for service at the Naval Academy; those appointed since March 3, 1913, do not receive this credit.

(c) In computing longevity pay, active duty in the Naval Reserve Force is counted. (Comp. Dec., Oct. 16, 1917.)

(d) An officer of the former Engineer Corps of the Navy who performed sufficient active duty subsequent to retirement to have constructively promoted him to the grade of lieutenant is entitled under act of August 29, 1916, to the pay and allowances of that grade while on active duty. (Comp. Dec., Aug. 17, 1917.)

11. *Pay, increase for sea and foreign duty.*—"All officers on sea duty and all officers on shore duty beyond the continental limits of the United States shall while so serving receive ten per centum additional of their salaries and increase as above provided, and such increase shall commence from the date of reporting for duty on board ship or the date of sailing from the United States for shore duty beyond the seas or to join a ship in foreign waters." (Act May 13, 1908.)

(a) This provision applies only to commissioned officers receiving pay at rates provided by act May 13, 1908 (Comp. Dec., June 13, 1908), except that rear admirals, while serving in command (or second in command) of a fleet, do not receive 10 per cent additional. (Comp. Dec., Apr. 13, 1916, p. 3932.)

(b) Commissioned officers attached to and doing duty aboard receiving ships are entitled to the additional 10 per cent for sea service. (Comp. Dec., July 13, 1908.)

(c) An officer attached to a receiving ship and occupying Government quarters on shore is not entitled to the 10 per cent additional pay provided for sea service. (Comp. Dec., Apr. 30, 1910.)

(d) The law makes no provision for 10 per cent increase in naval officers' pay while traveling from shore duty beyond seas to join a vessel in foreign waters, or vice versa. (Comp. Dec., June 24, 1913.)

(e) Commissioned officers on duty at the Naval Academy ordered to "special temporary duty" on a vessel for practice cruise with midshipmen are entitled to the 10 per cent additional for sea duty while so serving. (Comp. Dec., Oct. 22, 1909.)

(f) An officer quartered and performing paramount duty on a receiving ship is entitled to 10 per cent additional. (Comp. Dec., Nov. 22, 1911.)

(g) An officer detached from shore duty and ordered to take passage on a specified date for duty beyond seas is, during the interim, entitled to shore duty pay. (Comp. Dec., Feb. 14, 1912.)

(h) Officer attached to and doing duty on board submarine, although living ashore, is entitled to 10 per cent additional for sea duty. (Comp. Dec., Jan. 12, 1916.)

(i) An officer detached from shore duty beyond seas and ordered home continues to be entitled to the additional 10 per cent of his pay until his arrival in the United States. (Decision of the Court of Claims, Feb. 13, 1911.)

(j) Officers of the Navy while serving on shore duty beyond seas are entitled while on leave taken abroad to 10 per cent additional pay provided for such duty. (Comp. Dec., Mar. 29, 1913.)

(k) An officer detached from shore duty beyond seas and ordered to his home, with permission to delay en route, is entitled to the 10 per cent increase authorized by the act of May 13, 1908, until his return to the United States. (Dec. of Court of Claims, 31159, Apr. 14, 1913.)

(l) Naval officers are entitled to the 10 per cent additional for shore duty beyond seas while on duty in the Canal Zone, Panama, Hawaii, and Porto Rico. (Comp. Dec., July 23, 1915.)

(m) An officer ordered from shore duty beyond seas to temporary duty in the United States is not entitled to 10 per cent additional during the period of temporary duty. (Comp. Dec., Jan. 17, 1916.)

(n) An officer ordered from foreign shore duty to duty on board a vessel in United States port is entitled to 10 per cent additional to date of return to the United States. (Comp. Dec., Nov. 20, 1916.)

(o) An officer detached from one sea duty and under orders to proceed and proceeding to another sea duty is not entitled to the 10 per cent additional pay provided for sea service. (Comp. Dec., Jan. 10, 1914.)

(p) An officer of the Navy is not entitled to 10 per cent increase of pay while returning from sea duty in foreign waters to the United States either to shore duty therein or under orders to join another ship in home waters. (Comp. Dec., July 22, 1913.)

(q) Commissioned officers on sea duty ordered to hospital for treatment without orders granting sick leave or detaching them from duty are entitled to a continuance of 10 per cent additional pay received for sea duty. (Comp. Dec., May 15, 1909.)

(r) An officer attached to a seagoing vessel while on special temporary duty away from his ship under orders expressly imposing upon him the continued discharge of his sea duties is entitled to the 10 per cent additional pay received for sea duty. (Comp. Dec., Jan. 20, 1910.)

(s) An officer attached to a seagoing vessel while on special temporary duty away from his ship under orders which do not have the effect of detaching him from his sea duties is entitled to the 10 per cent additional pay received for sea duty. (Comp. Dec., Feb. 23, 1910.)

(t) An officer detached from sea duty beyond seas and directed to proceed to his home is not entitled to the 10 per cent increase in pay while so en route. The right to the 10 per cent additional pay for sea service ceases on the date of the officer's detachment. (Comp. Dec., June 30, 1911.)

(u) An officer temporarily absent from sea duty and performing duty ashore under orders practically relieving him from all duty aboard his ship is not entitled to the additional 10 per cent while performing such shore duty. (Comp. Dec., June 30, 1909; see also Comp. Dec., Nov. 26, 1909.)

(v) An officer who reports for duty on board a vessel of the Navy the second day following his detachment from another vessel is not entitled to the 10 per cent additional pay for sea duty for the one day when he was neither in the status of an officer on sea duty nor of an officer detailed for shore duty beyond seas. (Comp. Dec., Apr. 23, 1910.)

(w) An officer of the Navy ordered to embark on board a naval vessel for duty with a marine expedition and who is not regularly attached to said vessel is not entitled to the 10 per cent additional for sea duty while taking passage thereon. (Comp. Dec., Apr. 9, 1915.)

(x) An officer detached from a ship in foreign waters and ordered to duty at a foreign station is not entitled to 10 per cent additional for sea duty while en route to his new duty on board a Government vessel. (Comp. Dec., June 30, 1916.)

(y) An officer ordered to settle his accounts on board the vessel from which he was detached is not entitled to sea pay for period of such settlement. (Comp. Dec., July 27, 1916.)

12. *Pay, aviation duty.*—“Hereafter officers of the Navy and Marine Corps appointed student naval aviators, while lawfully detailed for duty involving actual flying in aircraft, including balloons, dirigibles, and aeroplanes, shall receive the pay and allowances of their rank and service plus thirty-five per centum increase thereof; and those officers who have heretofore qualified, or may hereafter qualify, as naval aviators, under such rules and regulations as have been or may be prescribed by the Secretary of the Navy, shall, while lawfully detailed for duty involving actual flying in aircraft, receive the pay and allowances of their rank and service plus fifty per centum increase thereof. Hereafter enlisted men of the Navy or Marine Corps, while detailed for duty involving actual flying in aircraft, shall receive the pay and the permanent additions thereto, including allowances, of their rating and service or rank and service, as the case may be, plus fifty per centum increase thereof: *Provided*, * * * nor shall any officer in the Navy senior in rank to commander nor any officer in the Marine Corps senior in rank to major receive any increase in pay or allowances by reason of such detail or duty.” (Act May 3, 1915.) “That hereafter the allowances of officers, enlisted men, and student flyers of the naval service shall in no case be increased by reason of the performance of aviation duty.” (Act July 1, 1918.)

(a) The term “pay and allowances” as used in the act of March 4, 1913, providing an increase of 35 per cent to officers of the Navy detailed for aviation duty, includes mileage. (Comp. Dec., May 9, 1913.)

(b) An officer detailed for aviation duty is entitled to the increased pay authorized by the act of March 4, 1913, from the date of the issuance to him of orders for such duty if he was engaged in actual flying when the orders were issued. (Comp. Dec., Apr. 14, 1913.)

(c) Officers properly detailed for aviation duty and who while on duty are actual flyers of heavier-than-air craft are entitled to the increased pay provided by law while on authorized leave of absence. (Comp. Dec., Aug. 14, 1914; Jan. 4, 1916.)

(d) Student flyers for instruction and training in aeronautics shall receive the same pay and allowances as a midshipman at the Naval Academy. (Act. Aug. 29, 1916.)

(e) Student flyers shall, after receiving certificate of qualification as an aviator for actual flying in aircraft, rank with midshipmen and shall receive the same pay and allowances as midshipmen plus 50 per cent thereof. (Act Aug. 29, 1916.)

(f) An officer of the Navy detailed as a student aviator who, due to circumstances beyond his control, is prevented during a certain period from performing duty involving actual flying is not entitled for the period in question to the additional pay (35 per cent) provided for such duty. (Comp. Dec., Aug. 8, 1917.)

(g) In computing additional pay allowed enlisted men on duty involving actual flying in aircraft, the flat base increase provided by act of May 22, 1917, is not to be included. (Comp. Dec., Aug. 23, 1917.)

Additional decisions of the Comptroller are to be found in paragraphs 841-844 of the "Manual for Supply Officers Afloat."

13. *Aeronautic section, Naval Militia (act Mar. 3, 1915).*—Officers and enlisted men of the aeronautic sections of Naval Militia are entitled to increased pay while engaged in actual service or instruction with aircraft involving actual flying. (Comp. Dec., Nov. 7, 1916.)

14. *Leave pay.*—All commissioned officers receive while on leave the full pay of their grade as established by the act of May 13, 1908, for leave authorized by statute; and for leave in excess of "statutory leave," one-half such full pay, or in the case of officers commissioned prior to May 13, 1908, the rate of leave pay in effect prior to that date, if greater. (Op. Atty. Gen., Apr. 5, 1909; Comp. Dec., Apr. 16, 1909; May 26, 1909; act May 13, 1908.)

(a) Officers on leave of absence from sea duty are not while on such leave entitled to the 10 per cent additional pay. (Comp. Dec., Apr. 24, 1909.)

(b) In computing the leave allowance for graduates of the Naval Academy credit should not be given for service prior to date of commission. (Comp. Dec., June 25, 1913.)

"The leave year is reckoned from July 1 to the following June 30, both inclusive." (A. R. 1913, par. 1276.)

For cumulative leave see N. R. 4410-1; for reporting leave see N. R. 3706-1; leave to visit United States, see N. R. 3706-2; beginning and expiration of leave, see N. R. 3706-3.

15. *Pay, sick.*—All commissioned officers of the Navy other than those whose pay is fixed by section 1556, Revised Statutes, suffer no change in pay on account of absence due to sickness or wounds or when lawfully absent from duty, with the exception of the 10 per cent increase of pay for sea duty. (N. R. 4411.)

(a) Commissioned officers on sea duty ordered to a hospital for treatment without orders detaching them from duty are entitled to a continuance of 10 per cent additional pay received for sea duty. (Comp. Dec., May 15, 1909.)

(b) *Absence from duty, officer, due to own misconduct, etc.,* see full text under "Pay, enlisted men—Navy—General provisions," paragraph 8.

16. *Pay on furlough.*—Officers on furlough shall receive only one-half of the pay to which they would have been entitled if on leave of absence. (Sec. 1557, R. S.) (N. R. 4413.)

17. *Pay, absent without leave.*—"When absent without leave all officers forfeit pay and allowances during such absence, unless the absence is excused as unavoidable." (N. R. 4411.)

18. *Pay, traveling.*—"Officers proceeding to and from their stations under orders are entitled to pay as on duty, provided there is no unnecessary delay on their part." (N. R. 4407-2.)

19. *Pay, suspended from duty.*—"An officer suspended from duty by sentence of court-martial shall receive the pay to which he would be entitled if waiting orders, unless otherwise provided in the sentence." (N. R. 4410-3.)

20. *Commencement of pay, ensign.*—Pay as ensign does not begin until date of qualification and acceptance of commission, provided commission is not issued within six months after graduation; if commission is issued and accepted prior to six months from date of graduation, he shall be allowed pay of ensign from date he takes rank as stated in his commission. (Comp. Dec., June 28, 1910.)

(a) An officer suspended from promotion is not entitled under the provision of the act of March 4, 1913 (37 Stat., 892), to the pay of the higher grade when commissioned therein until the date of the first vacancy occurring, when the grade is limited, subsequent to expiration of period of suspension. (Comp. Dec., June 23, 1913.)

(b) An officer suspended from promotion by reason of failure to qualify in examinations therefor and who subsequently qualifies and is promoted is not entitled to the pay and allowances of the higher rank until the date of qualification as fixed by his reexamination. (Comp. Dec., Oct. 15, 1913.)

21. *Pay, when advanced in grade or rank.*—(a) That all officers of the Navy who, since the 3d day of March, 1899, have been advanced or may hereafter be advanced in grade or rank pursuant to law shall be allowed the pay and allowances of the higher grade or rank from the dates stated in their commissions. (Naval appropriation act approved Mar. 4, 1913.)

(b) An officer advanced from one rank to another within the same grade is entitled to the pay of the advanced rank on the date on which he attains the higher rank, provided that the Senate shall consent to the advancement as of date on which he reached the higher rank. (Comp. Dec., Apr. 22 and 30, 1910.)

22. *Hospital fund.*—Twenty cents a month is deducted from the pay of each person of the Navy and Marine Corps, active and retired, to be applied to the Naval Hospital fund. (Sec. 4808, R. S.)

23. *Allotments and family allowances* as provided by act October 6, 1917.—(Printed in full in General Order 335.)

24. *Medical Reserve Corps.*—That a Medical Reserve Corps, to be a constituent part of the Medical Department of the Navy, is hereby established under the same provisions in all respects (except as may be necessary to adapt the said provisions to the Navy) as those providing a Medical Reserve Corps for the Army, and as set forth in the act to increase the efficiency of the Medical Department of the United States Army, approved April 23, 1908.

25. *Personnel legislation (act Aug. 29, 1916).*—(For full text of personnel legislation appearing in this act see General Order No. 231, p. 7.)

26. *Officers for engineering duties only (act Aug. 29, 1916).*—(For full text of this act see General Order No. 231, p. 11.)

PAY OF RETIRED OFFICERS.

1. *Proportion of active duty pay not affected by act of May 13, 1908.*—The laws as to retirement and the proportion of active duty pay to be allowed after retirement remain as before the passage of the act of May 13, 1908. (Comp. Dec., Oct. 16, 1908.)

2. *Retirement after thirty years' service.*—“When an officer of the Navy has been thirty years in the service he may, upon his own application, in the discretion of the President, be retired from active service and placed upon the retired list with three-fourths of the highest pay of his grade.” (Act May 13, 1908.)

3. *Rates, base.*—“The pay of all commissioned, warrant, and appointed officers and enlisted men of the Navy now on the retired list shall be based on the pay, as herein provided for, of commissioned, warrant, and appointed officers and enlisted men of corresponding rank and service on the active list.” (Act May 13, 1908.)

4. *Ten per cent additional not allowed.*—“In computing the pay of retired officers of the Navy, the 10 per cent additional pay allowed for sea service or shore duty beyond seas shall not be included.” (General deficiency act, May 30, 1908; see Comp. Dec., June 26, 1908.)

5. *Civil War service.*—“Any officer of the Navy with a creditable record who served during the Civil War shall, when retired, be retired with the rank and three-fourths of the sea pay of the next higher grade.” (Act Mar. 3, 1899, sec. 11.)

6. *Rates of pay.*—Officers on the retired list receive (according to the way in which they are retired) either three-fourths or one-half of the sea pay of the grade or rank which they held at the time of their retirement, or one-half the leave pay of such rank or grade, which is “furlough pay.” (Sec. 1588, R. S.; see Comp. Dec., Aug. 13, 1908; Oct. 16, 1908; see par. 3, supra.)

7. *Active duty.*—Hereafter any naval officer on the retired list may, with his consent, in the discretion of the Secretary of the Navy, be ordered to such duty as he may be able to perform at sea or on shore. (Act Aug. 22, 1912.) “Provided, That hereafter any retired officer of the naval service who shall be detailed on active duty shall, while so serving, receive the active duty pay and allowances of the grade, not above that of lieutenant commander in the Navy or major in the Marine Corps, that he would have attained in due course of promotion if he had remained on the active list for a period beyond the date of his retirement equal to the total amount of time during which he has been detailed on active duty since his retirement: *Provided, That*

nothing herein shall be construed to reduce the pay of any retired officer on active duty whose retired pay exceeds the active duty pay and allowances for the grade of lieutenant commander." (Act Aug. 29, 1916.)

(a) Notice of dissolution of the court on which a retired officer was ordered is sufficient to terminate his assignment to active duty under that order. (Comp. Dec., Sept. 29, 1910.)

(b) A retired officer of the Navy detached from duty and ordered to report to a naval hospital for treatment is not, while being treated therein, performing active duty within the meaning of the act of June 7, 1900 (31 Stat., 703), and is not entitled under said act to active duty pay while undergoing treatment in the hospital and while returning to his home after being discharged therefrom. (Comp. Dec., Dec. 21, 1910.)

(c) A retired officer of the Navy ordered to active duty is entitled to active duty pay from the date he leaves his home under orders, provided he travels to duty by the usually traveled route, which need not be the shortest as regards time.

(d) For pay for constructive promotion by reason of service performed on active duty after retirement, see "Longevity," paragraph 9.

PAY OF WARRANT OFFICERS, AS PROVIDED BY ACT OF MAY 13, 1908.

	At sea.	On shore or other duty.	On leave or waiting orders.
First 3 years' service.....	\$1,500	\$1,125	\$875
Second 3 years' service.....	1,625	1,250	1,000
Third 3 years' service.....	1,750	1,625	1,125
Fourth 3 years' service.....	2,000	1,750	1,250
After 12 years' service.....	2,250	2,000	1,500
MATES.			
In service Aug. 1, 1894.....	1,500	1,125	875
Appointed since Aug. 1, 1894.....	1,125	875	625

1. *Pay.*—A warrant officer temporarily commissioned whose pay as a warrant officer is higher than when commissioned is entitled to the higher pay, including rations. (Comp. Dec., Oct. 20, 1917.)

2. *Leave.*—(a) A warrant officer ordered home and granted leave is not entitled to duty pay while traveling to his home. (Comp. Dec., Apr. 13, 1810.)

(b) "Warrant officers shall be allowed such leave of absence, with full pay, as is now or may hereafter be allowed other officers of the United States Navy." (Act Aug. 29, 1916.)

(c) A warrant officer on leave not in excess of that due him is entitled to receive pay at the rate he is receiving when leave is granted. (Comp. Dec., Sept. 23, 1916.)

3. *Heat and light.*—"Warrant officers shall receive the same allowances of heat and light as are now or may hereafter be allowed an ensign." (Act Aug. 29, 1916.)

4. *Pay clerks and chief pay clerks.*—Pay clerks and acting pay clerks shall have the same pay, allowances, and other benefits as are now or may hereafter be allowed other warrant officers and acting warrant officers, respectively. * * * All pay clerks shall, after six years' service as such, be commissioned chief pay clerks, and shall, on promotion, have the rank, pay, and allowances of chief boatswain. (Act of Mar. 3, 1915.)

5. *Warrant officers, sea duty.*—Warrant officers on sea duty or shore duty beyond the continental limits of the United States are not entitled to the 10 per cent additional pay allowed by act of May 13, 1908, to commissioned officers of the Navy for such duty. (Comp. Dec., June 13, 1908, and Oct. 14, 1910.)

6. *Rations officers.*—All officers of the Navy, except commissioned officers of the line, medical and pay corps, chaplains, and commissioned warrant officers, are entitled to a ration or commutation therefor at the rate of 30 cents per day while attached to and doing duty aboard a seagoing vessel of the Navy. Midshipmen are entitled to the ration or commutation therefor at all times. (See Comp. Dec., July 13, 1908; Apr. 23, 1909; naval appropriation act, Mar. 3, 1909.)

(a) The accounts of officers subsisted by the general mess of a vessel while serving temporarily on shore should be checked with the cost of the rations issued, as shown by the actual issues to crew and marines during the period covered by their subsistence. (Comp. Dec., Feb. 18, 1910.)

(b) Officers attached to and doing duty on a receiving ship are not entitled to the commutation for rations allowed while at sea or attached to a seagoing vessel. (Comp. Dec., Aug. 25, 1910.)

7. *Mates, pay and allowances.*—Mates occupy the status of both "officers of the Navy and enlisted men." (Op. Atty. Gen., Oct. 15, 1907.)

Mates are entitled to the honorable-discharge gratuity, the travel allowance of 4 cents per mile allowed enlisted men upon discharge, and additional pay when designated as Navy mail clerks, under the same conditions as enlisted men; but they are not entitled to continuous-service pay, additional pay for good-conduct medals, or other compensation heretofore fixed by the President. (Comp. Dec., Jan. 28, 1908; Oct. 2, 1908.) They are entitled to commutation of quarters under the same conditions as warrant officers, but are not entitled to heat and light allowance. They are entitled to rations or commutation therefor when attached to and doing duty aboard a seagoing vessel, a receiving ship, or a ship in ordinary at a navy yard. (12 Comp. Dec., 728.)

A mate, rated as such subsequent to August 1, 1894, who was retired upon application to the President and after 30 years' service, is entitled, in computing his pay, to 75 per cent of the pay he was receiving at the time of his retirement and, in addition, \$15.75 per month as allowances. (Comp. Dec., Feb. 3, 1912.)

ALLOWANCES, OFFICERS: QUARTERS, HEAT, AND LIGHT.

1. *Commutation of quarters.*—(a) Commissioned officers of the Navy on shore duty where there are no public quarters for their accommodation, or where quarters have not been hired for their use, are entitled to commutation of quarters at the rate of \$12 per month for each room to which their rank entitles them, as shown in Art. 4513-(7), N. R.

(b) Warrant officers and mates are each entitled under above conditions to commutation of quarters for two rooms.

(c) An officer in receipt of commutation of quarters is entitled to same while temporarily absent on duty in the field. (Comp. Dec., Oct. 20, 1910.)

(d) A retired officer ordered to active duty whose orders do not specify where the shore duty on which he was to be employed should be performed, and who has selected his home as his station for the purpose of such duty, is entitled to commutation of quarters, notwithstanding that he reported by letter instead of in person. (Comp. Dec., Apr. 14, 1910.)

(e) An officer on duty at a station where public quarters are available is not entitled to commutation of quarters even though he can not be assigned the full number of rooms to which his rank entitles him. (Comp. Dec., Oct. 31, 1913.)

(f) An officer ordered to duty with the Navy rifle team and furnished a tent for quarters while on such duty is not entitled to commutation of quarters. (Comp. Dec., Aug. 15, 1914.)

(g) An officer attached to a vessel at a submarine base for whom there are no quarters on board, or on shore, is not entitled to receive pay for quarters on shore, or have quarters hired for him. (Comp. Dec., Aug. 16, 1916.)

(h) Authorization by the Secretary of the Navy to hire quarters for the use of officers does not authorize delegation of that authority to the officers themselves. Quarters so hired preclude payment of commutation to the officers assigned to them. (Comp. Dec., Feb. 2, 1917.)

(i) Where a ship is permanently detached from receiving ship duty and no other ship is designated to take her place, it has the effect of detaching officers assigned to receiving ship duty on that vessel (and who are not a part of the ship's complement) and placing them on shore duty. If such detachment is permanent, said officers are entitled to commutation of quarters if not furnished quarters in kind. If detachment from receiving ship under circumstances outlined is only temporary, officer must provide his own quarters. (Comp. Dec., July 3, 1917; Aug. 28, 1917.)

(j) See "(n)" under "Allowance, heat and light."

2. *Allowance, heat and light.*—Hereafter heat and light actually necessary for the authorized allowance of quarters for officers and enlisted men shall be furnished at the expense of the United States under such regulations as the Secretary of War may prescribe. (Army appropriation act approved Mar. 2, 1907; Art. 4514, N. R.)

(a) Allowances for heat and light to officers occupying public quarters and quarters other than public will be as provided by General Orders No. 115 of August 18, 1914; No. 131 of January 20, 1915; No. 136 of February 25, 1915; No. 152 of July 1, 1915; and No. 208 of April 22, 1916.

(b) An officer who is assigned Government quarters furnished with heat and light, but who prefers not to occupy them and lives elsewhere, is not entitled to reimbursement for the expenses of heat and light in the quarters he chooses to occupy in preference to those assigned him by the Government. (Comp. Dec., Feb. 18, 1910.)

(c) An officer taking his meals only at a place where he certifies it is impracticable to furnish fuel in kind, but occupying quarters which it is practicable for the Government to heat, is not allowed a credit of the money value, but is entitled to fuel in kind for the quarters occupied. (Comp. Dec., Oct. 8, 1910.)

(d) An officer maintaining two residences as quarters during the same period is not entitled to have heat and light supplied to both at Government expense during said period even though his accumulated allowances should not be exceeded. (Comp. Dec., May 27, 1910.)

(e) Officers attached to seagoing vessels are not entitled to commutation of quarters or heat and light allowance while on temporary special duty away from their ships under orders expressly imposing a continuation of their sea duties. (Comp. Dec., Dec. 20, 1909.)

(f) Midshipmen are not entitled to commutation of quarters or to allowances for heat and light.

(g) Mates are not entitled to heat and light allowances. (Comp. Dec., Nov. 21, 1907.)

(h) Officers attached to vessels in commission compelled to live on shore are entitled to expenses incurred for hire of quarters, heat, and light not to exceed authorized allowance, if approved by the department. (Comp. Dec., Nov. 22, 1911.)

(i) An acting assistant surgeon is entitled to the pay and allowance (quarters, heat, and light) allowed assistant surgeons in the Navy. (See decision of the Supreme Court in the Plummer case, Bureau Memoranda No. 134, p. 2031.)

(j) Where an officer occupies quarters other than public he is not entitled to greater heat and light allowances than those prescribed for the number of rooms *actually* occupied by him, regardless of the number which he is entitled to occupy. (Comp. Dec., July 31, 1913; Aug. 15, 1913; Sept. 21, 1917.)

If an officer's quarters at his permanent station are actually occupied, during his absence on leave, by his family or persons dependent upon him for support (and evidence of such fact accompany the voucher), payment of the heat and light allowance for such quarters during such period is authorized; but if said quarters are not so occupied, the officer is entitled to no heat or light allowances for the period of his absence on leave. (Comp. Dec., Aug. 15, 1913.)

(k) Where quarters occupied by an officer consist of a greater number of rooms than his rank entitles him to, payment for heat and light is authorized, provided the amounts consumed do not exceed the respective maximum amounts allowed for the number of rooms to which the rank of said officer entitles him. (Comp. Dec., Sept. 6, 1913.)

(l) In computing the number of rooms for which an officer is entitled to heat and light allowances, only rooms *actually and exclusively* occupied by him as quarters can be counted, and bathroom, storerooms, halls, etc., and rooms used in common with other guests or tenants can not be included. (Comp. Dec., Sept. 6, 1913.)

(m) Where two officers *jointly and exclusively* occupy four rooms as quarters, their heat and light allowances should be computed upon the same basis as if they each *exclusively* occupied two rooms as quarters. Rooms *exclusively* occupied by two or more officers entitled to heat and light allowances are not "rooms used in common with other guests or tenants." (Comp. Dec., Oct. 22, 1913.)

(n) An officer temporarily on duty in the United States away from his station beyond seas where he occupied private quarters continues to be entitled to enjoyment of commutation of quarters but not to commutation of heat and light unless his quarters continued to be occupied by his family or dependents. (Comp. Dec., Jan. 17, 1916.)

(o) An officer receiving commutation of quarters is not entitled to order fuel for personal use under any Government contract. (Comp. Dec., Mar. 9, 1916.)

(p) A commissioned warrant officer on shore duty after 6 and 12 years from date of commission is not entitled to increased allowance for heat and light prior to the receipt by him of an official written certification that his record is creditable as prescribed by G. O. 247. (Comp. Dec., May 15, 1917.)

PAY AND ALLOWANCES OF ENLISTED MEN, NAVY.

NOTE.—The rates of pay contained in this table, and also the several rates of pay and compensation referred to in the following notes, applicable to this table, represent the base rates in existence prior to the passage of the act of May 13, 1908, providing a 10 per cent increase.

CLASSIFICATION.

Chief petty officers.

Seamen branch.	Monthly pay. (See note.)	Artificer branch.	Monthly pay. (See note.)	Special branch.	Monthly pay. (See note.)
Chief master-at-arms...	\$65	Chief machinists' mates	\$70	Chief yeomen.....	\$60
Chief boatswains' mates.	50	Chief electricians.....	60	Chief pharmacists' mates.	60
Chief gunners' mates...	50	Chief carpenters' mates	50	Bandmasters.....	52
Chief turret captains...	60	Chief water tenders...	50	Chief commissary stewards.	70
Chief quartermasters...	50	Chief printers.....	60		
		Chief storekeepers.....	50		
		Chief special mechanics. ¹	127		

Petty officers, first class.

Masters-at-arms, first class.	\$40	Boilermakers.....	\$65	Yeomen, first class.....	\$40
Boatswains' mates, first class.	40	Machinists' mates, first class.	55	First musicians.....	36
Gunners' mates, first class.	40	Coppersmiths, first class. ¹	65	Commissary stewards...	60
Turret captains, first class.	50	Coppersmiths.....	55	Ships' cooks, first class...	55
Quartermasters, first class.	40	Shipfitters, first class..	55	Bakers, first class.....	45
		Electricians, first class.	50	Pharmacists' mates, first class.	40
		Blacksmiths, first class. ¹	65		
		Blacksmiths.....	50		
		Plumbers and fitters..	45		
		Sailmakers' mates....	40		
		Carpenters' mates, first class.	40		
		Water tenders ²	45		
		Painters, first class...	40		
		Printers, first class...	40		
		Storekeepers, first class	40		
		Enginemen, first class ¹	45		
		Pattern makers, first class. ¹	65		
		Molders, first class ¹ ...	65		
		Special mechanics, first class. ¹	80		

Petty officers, second class.

Masters-at-arms, second class.	\$35	Machinists' mates, second class. ¹	\$45	Yeomen, second class...	\$35
Boatswains' mates, second class.	36	Electricians, second class.	40	Ships' cooks, second class.	40
Gunners' mates, second class.	35	Shipfitters, second class.	40	Pharmacists' mates, second class.	35
Quartermasters, second class.	35	Oilers.....	37		
		Carpenters' mates, second class.	35		
		Printers.....	35		
		Painters, second class.	35		
		Storekeepers, second class.	35		
		Enginemen, second class. ¹	40		
		Blacksmiths, second class. ¹	50		
		Coppersmiths, second class. ¹	50		
		Pattern makers, second class ¹	50		
		Molders, second class. ¹	50		

¹ Established by act Oct. 6, 1917.

² Increased by act Oct. 6, 1917.

PAY AND ALLOWANCES OF ENLISTED MEN, NAVY—Continued.

CLASSIFICATION—continued.

Petty officers, third class.

Seamen branch.	Monthly pay. (See note.)	Artificer branch.	Monthly pay. (See note.)	Special branch.	Monthly pay. (See note.)
Masters-at-arms, third class.	\$30	Electricians, third class.	\$30	Yeomen, third class....	\$30
Coxwains	30	Carpenters' mates, third class.	30	Pharmacists' mates, third class.	30
Gunners' mates, third class.	30	Painters, third class..	30		
Quartermasters, third class.	30	Storekeepers, third class.	30		

Seamen, first class.

Seamen, gunners	\$26	Firemen, first class....	\$35	Musicians, first class....	\$32
Seamen.....	24	Shipwrights.....	25	Ships' cooks, third class.	30
				Bakers, second class....	35
				Hospital apprentices, first class.	24

Seamen, second class.

Seamen, second class..	\$19	Firemen, second class.	\$30	Musicians, second class..	\$30
				Buglers.....	30
				Hospital apprentices, second class.	19
				Ships' cooks, fourth class.	26

Seamen, third class.

Apprentice seamen....	\$16	Firemen, third class....	\$22	Landmen.....	\$16
		Landmen.....	16		

MESSEMN BRANCH.

Rates.	Monthly pay.	Rates.	Monthly pay.
Stewards to Commanders in Chief.....	\$60	Warrant Officers' Stewards.....	\$35
Cooks to Commanders in Chief.....	50	Warrant Officers' Cooks.....	30
Stewards to Commandants.....	60	Mess attendants, first class....	20
Cooks to Commandants.....	50	Mess attendants, second class..	25
Cabin Stewards.....	50	Mess attendants, third class..	20
Cabin Cooks.....	45		
Wardroom Stewards.....	50		
Wardroom Cooks.....	45	Mess attendants, first class....	24
Steerage Stewards.....	35	Mess attendants, second class..	20
Steerage Cooks.....	30	Mess attendants, third class..	16

GENERAL PROVISIONS.

1. Increase provided by act of May 13, 1908, and May 22, 1917.—“The pay of all active and retired enlisted men of the Navy is hereby increased 10 per centum.” (Act May 13, 1908.)

“SEC. 15. That commencing June first, nineteen hundred and seventeen, and continuing until not later than six months after the termination of the present war, all enlisted men of the Navy of the United States in active service whose base pay does not exceed \$21 per month shall receive an increase of \$15 per month; those whose

base pay is over \$21 and does not exceed \$24 per month, an increase of \$12 per month; those whose base pay is over \$24 and less than \$45 per month, an increase of \$8 per month; and those whose base pay is \$45 or more per month, an increase of \$6 per month: *Provided*, That the increases of pay herein authorized shall not enter into the computation of continuous-service pay." (Act May 22, 1917.)

- The additional base pay for enlisted men authorized by act May 22, 1917, for the duration of the war, applies to the base pay of the rate stripped of any additions by percentage or otherwise. (Comp. Dec., May 26, 1917.)

2. *Increase of 10 per cent, act May 13, 1908, computation of.*—"The 10 per cent increase of pay provided for enlisted men of the Navy by the act of May 13, 1908, is computed on the base pay plus *permanent additions*, such as extra pay for continuous service, good-conduct medals, etc.; *transient additions*, which require a special detail, such as gun pointers, messmen, etc., do not enter into the computation for this increase." (Comp. Dec., May 27, 1908.)

3. *Pay not reduced by act May 13, 1908.*—"Nothing herein shall be construed so as to reduce the pay or allowances now authorized by law for any commissioned, warrant, or appointed officer or any enlisted man of the active or retired lists of the Navy, and all laws inconsistent with this provision are hereby repealed." (Act May 13, 1908.)

4. *Hospital Corps.*—"The pay, allowances, and emoluments of the enlisted men of the Hospital Corps shall be the same as are now, or may hereafter be, allowed for respective corresponding ratings * * * in the seamen branch of the Navy." (Act Aug. 29, 1916.)

5. *Hospital fund.*—Twenty cents per month is deducted from the pay of each enlisted man of the Navy, to be applied to the fund for naval hospitals. (Sec. 4808, R. S.) The hospital fund for transferred members of the Fleet Naval Reserve is deducted from their retainer pay by the Navy disbursing officer in Washington even when such members are on active duty. (S. and A. Memo. 197, p. 4297.)

6. *Furloughed.*—Enlisted men of the Navy furloughed without pay under act of Aug. 29, 1916, upon being recalled to duty resume the pay and rate held by them when placed on furlough. (Comp. Dec., June 12, 1917.)

7. *Retired pay.*—"The pay of all * * * enlisted men of the Navy now on the retired list shall be based on the pay, as herein provided for, of * * * enlisted men of corresponding rank and service on the active list; and all pay herein provided shall remain in force until changed by act of Congress." (Act of May 13, 1908.)

- (a) An enlisted man on the retired list is entitled to the full amount of 75 cents a month for each good-conduct medal held in addition to 75 per cent of the pay of which he was in receipt at the date of retirement. (Comp. Dec., Oct. 27, 1902; Dec. 11, 1902; May 14, 1909.)

(b) An enlisted man retired subsequent to June 1, 1917 (and during the continuance of the present war), does not have the flat base increase provided by act May 22, 1917, included in the computation of his retired pay. (Comp. Dec., Aug. 16, 1917.)

8. *Deposits.*—(a) Enlisted men of the Navy upon being temporarily warranted or commissioned under act May 22, 1917, are entitled to be paid any deposits to their credit. (Comp. Dec., Sept. 22, 1917.)

(b) Deposits made by enlisted men of the Naval Reserve Force, Marine Corps Reserve, Naval Militia, and National Naval Volunteers, while on active duty should be repaid with interest (if entitled to any) on date of detachment from said active duty. (Comp. Dec., July 3, 1917.)

9. *Absence due to own misconduct, etc.*—"Hereafter no officer or enlisted man in the Navy or Marine Corps in active service who shall be absent from duty on account of sickness or disease resulting from his own intemperate use of drugs or alcoholic liquors, or other misconduct, shall receive pay for the period of such absence, the time so absent and the cause thereof to be ascertained under such procedure and regulations as may be prescribed by the Secretary of the Navy: *Provided*, That an enlistment shall not be regarded as complete until the enlisted man shall have made good any time in excess of one day lost on account of sickness or disease resulting from his own intemperate use of drugs or alcoholic liquors, or other misconduct." (Act Aug. 29, 1916.)

PERMANENT ADDITIONS TO PAY.

10. *Rations.*—"All enlisted men in the Navy attached to any United States vessel or station and doing duty thereon shall be allowed a ration or commutation thereof." (Art. 4517-(4) N. R.) "Rations of enlisted men shall be commuted only upon the written order of the commanding officer." (Art. 4517-(7), N. R.) "The ration is not pay and shall not be commuted in advance." (Art. 4460, N. R.) The commuted value of a ration shall not exceed 40 cents. (See G. O. 338.) Sections 1580 and 1581

of the Revised Statutes enumerate the components of the Navy ration. In the case of G. C. M. prisoners the Secretary of the Navy is authorized to commute their rations, not to exceed 30 cents each, depending on the locality of the prison. (Act Mar. 4, 1917.) (See par. 20 under "Transient additions to pay.")

11. *Continuous-service pay.*—Any man who has received an honorable discharge from his last term of enlistment, or who has received a recommendation for reenlistment upon the expiration of his last term of enlistment, who reenlists for a term of four years within four months from the date of his discharge, shall receive an increase of \$1.36 per month to the pay prescribed for the rating in which he serves for each successive reenlistment, and an extension of the period of enlistment, aggregating four years, shall be held and considered as equivalent to continuous service with respect to all rights, privileges, and benefits granted for such service pursuant to law. (Art. 4427-(23), N. R.)

"Any former member of class one of the United States Naval Reserve, established by Act of Mar. 3, 1915, * * * who shall have reenlisted in the Navy prior to May 1, 1917, shall be held and considered to have reenlisted within four months from the date of discharge from the Navy for the purpose of continuous-service pay." (Act Mar. 4, 1917.)

(a) An enlisted man of the Navy who, on being dishonorably discharged, is recommended for reenlistment, is entitled, upon reenlistment, to additional pay for continuous service but not to the additional pay under General Order No. 34. (Comp. Dec., Aug. 31, 1914.)

(b) An enlisted man of the Navy who reenlists exactly four months from date of discharge is entitled to continuous-service pay. (Comp. Dec., Nov. 13, 1914.)

12. *Reenlistments subsequent to November 27, 1906.*—To provide adequate compensation for trained men, the regular pay for each rating in the Navy shall be increased \$5 per month during the second period of service, and a further sum of \$3 per month during each and every subsequent period of service; but only enlisted men who are citizens of the United States, and whose second and subsequent periods of service each follow next after service in the Navy that was terminated by reason of expiration of enlistment, shall receive the benefits of the increased pay named herein. In the cases of men who are or were finally discharged from the Navy by reason of expiration of enlistment, the first enlistment on or after November 27, 1906, shall be considered the second period of service which shall carry with it the increased pay provided by this paragraph; except that men discharged on recommendations of boards of medical survey shall, if they reenter the service, be given credit for any previous periods of service in the Navy which were terminated by reason of expiration of enlistment. (Executive order, Nov. 27, 1906.) (General Order No. 34, Nov. 28, 1906; Art. R-4427 (25), N. R., 1913.)

(a) The risk of making payments to enlisted men of the Navy under "General Order No. 34" rests solely upon the officer making them. It is incumbent upon an officer (of the Pay Corps) to satisfy himself as to the sufficiency of the evidence of citizenship presented and it is his right to refuse to make such payment unless, in his judgment, such evidence is legally sufficient. (Comp. Dec., Dec. 10, 1912.)

(b) The fact that an enlisted man holds a permanent appointment as a petty officer is strong *prima facie* evidence of citizenship, and in the absence of facts brought home to any officer of the Pay Corps before making payment contradicting such presumption of citizenship, he will be protected in making payment. (Comp. Dec., Apr. 26, 1913.)

13. *Chief petty officers, permanent appointment.*—All chief petty officers of the Navy, including chief water tenders, who shall receive permanent appointments after qualifying therefor, shall be paid at the rate of \$70 a month. (Art. 4427 (18), N. R., 1913.)

(a) An appointment, either permanent or acting, can not be made retroactive to give pay before the appointment is actually made, except by statutory authority. (Comp. Dec., Aug. 8, 1913, and Oct. 30, 1913.)

(b) A boiler maker issued an acting appointment as chief water tender in the Navy is paid the pay of the latter rate, provided the man was not in the service on the date the rate of chief water tender was established, namely June 26, 1903. (Comp. Dec., July 10, 1917.)

(c) Retired chief petty officers recalled into active service under act Aug. 29, 1916, are entitled to the same pay as men of the same rate and like length of service on the active list. If given a new permanent appointment, however, it does not carry with it the pay and allowances of the rating to which appointed. (Comp. Dec., July 28, 1917.)

14. *Seamen gunners' certificates, etc.*—Men who have successfully completed a prescribed course of instruction for seamen gunners or petty officers may be given, by the

Bureau of Navigation, a certificate to that effect, which shall entitle them to receive \$2 per month in addition to the pay of the rating in which they are serving; such certificates to continue in force only during the enlistments in which the men were respectively graduated, unless renewed by reenlistment for four years within four months from date of honorable discharge. Men holding certificates as seaman gunners are entitled to the pay prescribed for said rating and are entitled to reenlist at any time as such at the base rate of \$26 per month; but if given any other rating than that of seaman gunner the holder of a seaman gunner's certificate shall not receive additional pay therefor unless in continuous service. (Art. 4427 (8), N. R. 1913.)

(a) An enlisted man of the Navy who holds a certificate from the Seaman Gunner's School at Washington and one from the Seaman Gunner's School at Newport is entitled to additional pay for only one of such certificates. (Comp. Dec., Dec. 3, 1914.)

(b) An enlisted man of the Navy who holds certificates of graduation from two separate and distinct classes of instruction for which \$2 per month additional is provided by Executive order is entitled to the \$2 per month additional for each of the two certificates. (Comp. Dec., Apr. 26, 1915.)

15. *Certificate of qualification.*—Stewards and cooks in the messmen branch who are citizens of the United States and who hold or may receive certificates of qualification as stewards or cooks shall receive \$5 per month additional to the pay of their rating while holding such certificate, such additional pay to be of a permanent character as regular pay. (Executive order, Jan. 28, 1908; Art. 4427 (32-a), N. R., 1913.)

(a) The additional pay authorized for a steward or cook holding a certificate of qualification is no part of the pay he was in receipt of at the time of retirement within the meaning of the act of March 2, 1907. (Comp. Dec., Apr. 14, 1914.)

16. *Good-conduct medals.*—Each enlisted man of the Navy shall receive 75 cents per month, in addition to the pay of his rating, for each good-conduct medal, pin, or bar which he may heretofore have been, or shall hereafter be, awarded. The date of the award of a good-conduct medal, pin, or bar shall be the date of the holder's discharge by reason of the expiration of the enlistment for which the medal, pin, or bar is given, the allowance of 75 cents per month to be reckoned from said date of award. (Art. 4427 (9), N. R., 1913. See Comp. Dec., Sept. 29, 1906.) (See also Art. N. R. 3664—1-2-3.)

(a) A holder of a good-conduct medal for service in the Marine Corps is entitled to be credited with pay for the medal on enlistment in the Navy. (Comp. Dec., Dec. 2, 1913.)

(b) A man granted a good-conduct medal for a four-year period of service, which he has extended for one year, is not entitled to pay for the medal for the year of extension. (Comp. Dec., Feb. 17, 1916.)

TRANSIENT ADDITIONS TO PAY.

17. *Seamen in charge of hold.*—Seamen in charge of holds shall receive \$5 per month in addition to their pay. (Art. 4427 (12), N. R., 1913.)

18. *Coxswains of steam launches, etc.*—Coxswains detailed as coxswains of boats propelled by machinery, or as coxswains to commanders in chief, shall receive \$5 per month in addition to their pay. (Art. 4427 (10), N. R., 1913.)

(a) The additional pay allowed for this duty is no part of the pay of the rating of coxswain and should not be included in computing the pay of a coxswain on the retired list. (Comp. Dec., May 27, 1914.)

(b) Additional pay continues even when boats are separated from their ship, provided details remain in effect. (Comp. Dec., May 31, 1917.)

19. *Petty officers, allowance in lieu of quarters and rations.*—Petty officers of the Navy, performing duty which deprives them of quarters and their rations or commutation thereof, shall receive \$9 per month in addition to the pay of their rating. (Art. 4427 (6), N. R., 1913.)

20. *Subsistence, temporary duty ashore.*—Subsistence furnished to enlisted men attached to ships of the Navy, when unavoidably detained on shore, under orders, or absent by authority for one day or more from the ship to which attached, shall be charged to appropriation "Provisions, Navy." During the time of such subsistence their rations shall be stopped on board ship and no credit for commutation thereof shall be given. (Art. 4427 (7), N. R., 1913.)

(a) When such authorized absence is for less than one day, and ration is not checked on pay roll, cost of subsistence shall be paid on public bill, under appropriation "Pay, miscellaneous." (Art. 4427 (7), N. R., 1913. See Comp. Dec., Dec. 9, 1907.)

(b) "1. Beginning January 1, 1918, at stations where quarters are not available for all enlisted men attached, and for enlisted men on detached duty from vessels and stations, subsistence is authorized as follows:

(a) For all persons on recruiting duty, inspection duty, or on detached duty in Alaska, two dollars (\$2) per day.

(b) For all chief petty officers on duty at shore stations or on detached duty from vessels or shore stations and for whom no suitable quarters are available, one dollar and fifty cents (\$1.50) per day.

(c) For all persons other than chief petty officers, on duty at shore stations or on detached duty from vessels or shore stations, for whom no suitable quarters are available, one dollar and twenty-five cents (\$1.25) per day.

(d) For all enlisted or enrolled persons on detached duty at stations at which there are facilities for messing together and at which the total number of men does not exceed forty, one dollar (\$1) per day.

(e) For all enlisted or enrolled persons on detached duty at stations at which there are facilities for messing together and at which the total number of men is greater than forty and less than one hundred, seventy-five cents (\$0.75) per day.¹¹

(Bu. Nav. Circular letter No. 45-17, Dec. 10, 1917-N6L.)

(c) Men of the Regular Navy (or of the Naval Coast Defense Reserve), on duty entitling them to subsistence, "while unavoidably detained or absent from vessels to which attached under orders," or "on detached duty," may be credited on the pay roll with the per diem rate of subsistence previously established by the Navy Department. When such credit is made, subsistence ration must be stopped on board ship and no commutation thereof be given. (Comp. Dec., Mar. 23, 1917.) This does not apply to absence with or without leave.

21. *Divers, service as*.—Enlisted men of the Navy, not under instruction or diving for practice, shall, when employed in submarine diving, receive extra compensation therefor, to be charged to the bureau for which the service is performed, at the rate of \$1.20 per hour for the active time so employed under water. (Art. 4427 (33), N. R., 1913.)

22. *Duty in fireroom, seamen and seamen second class*.—Seamen and seamen second class detailed for duty as firemen shall receive in addition to the pay of their ratings extra pay at the rate of 33 cents per day for the time so employed. (Sec. 1570, R. S.; Art. 4427 (16), N. R., 1913.)

(a) A native seaman or native ordinary seaman of the Insular Force who is detailed to perform duty as fireman is entitled to extra compensation at the rate of 33 cents per day while so employed. (Comp. Dec., Aug. 13, 1910.)

23. *Gun captains*.—Enlisted men of the Navy regularly detailed by the commanding officer of a vessel as gun captains, except at secondary battery guns, shall receive, in addition to the pay of their respective rating, \$5 per month, which in the case of men holding certificates as gun captains, or of graduation from the gun-captain class, petty officers' school, shall include the \$2 per month to which such certificates entitle them. (General Order No. 137, July 25, 1903; Art. 4427, par. (20), N. R., 1913.)

(a) A gunner's mate detailed for duty as gun captain of an intermediate gun on a vessel of the gunboat class is entitled to the additional pay provided for such duty. (Comp. Dec., Jan. 14, 1915.)

(b) A seaman gunner graduate detailed as a gun captain receives pay for both. (Comp. Dec., May 5, 1916.)

24. *Gun pointers*.—After October 1, 1903 (Executive order, July 25, 1903), enlisted men of the Navy, after having qualified as gun pointers, and who are regularly detailed as gun pointers by the commanding officer of the vessel, shall receive monthly, in addition to the pay of their respective ratings, extra pay as follows: Heavy gun pointers (for guns of 8-inch caliber or larger), first class, \$10; second class, \$6. Intermediate gun pointers (for guns from 4-inch to 7-inch, inclusive), first class, \$8; second class, \$4. Secondary gun pointers (for guns from 1-pounder to 3-inch, inclusive), first class, \$4; second class, \$2.

(a) Extra pay shall be allowed a gun pointer during such time only as he remains qualified, and only while he is regularly detailed as a gun pointer at a gun of the class at which he qualified. (Art. 4427 (19), N. R., 1913, and General Order No. 57, Dec. 9, 1907.)

(b) " * * * An officer in command of an enlisted force of the Navy aboard a merchant ship might well be considered as the commanding officer within the meaning of * * * General Order" [No. 137, dated July 25, 1903]. (Comp. Dec., Dec. 28, 1917.)

25. *Jacks-of-the-dust, lamplighters, etc.*—Seamen second class detailed as jacks-of-the-dust, or as lamplighters, shall receive \$5 per month in addition to their pay. (Art. 4427 (13), N. R., 1913.)

(a) A seaman second class detailed as jack-of-the-dust is entitled to the additional compensation while so detailed, even if on leave. (Comp. Dec., Aug. 17, 1905.)

26. *Navy mail clerks.*—Enlisted men of the Navy or Marine Corps designated as Navy mail clerks shall receive, in addition to the monthly pay of their rating, the following compensation for their services: On board vessels having a complement of 650 or more officers and men, \$30 per month; on board receiving ships, \$25 per month; on board vessels and in torpedo flotillas having a complement of 250 or more, and less than 650 officers and men, \$25 per month; on board vessels and in torpedo flotillas having a complement of 125 or more and less than 250 officers and men, \$20 per month; on board vessels having a complement of 35 or more and less than 125 officers and men, \$10 a month. (Art. 4427 (31), N. R.; Art. 5401 (5) N. I.)

(a) The additional pay as Navy mail clerk is not dependent upon the filing of a bond. (Comp. Dec., Mar. 1, 1910.)

(b) Navy pay clerks are entitled to the additional compensation therefor only while in performance of this special duty, and are not entitled to the additional pay if absent from the vessel under treatment in hospital ashore or on leave of absence. (Comp. Dec., Mar. 16, 1909, and Apr. 4, 1910.)

(c) Navy mail clerks are entitled to additional compensation from date of designation by the Postmaster General, provided they enter upon their duties on or prior to such date and take the required oath of office subsequent to designation and prior to separation from the position. (Comp. Dec., Oct. 19, 1909.)

(d) A Navy mail clerk or assistant mail clerk is entitled to the additional pay from the date on which he begins to perform the duty by order of his commanding officer, even though the oath of office is not executed until a subsequent date. (Comp. Dec., Sept. 23, 1914.)

(e) Inadvertence on the part of the Post Office Department in designating an enlisted man as Navy mail clerk instead of as assistant mail clerk does not entitle the man to the pay of the former, even though he executed bond as such. (Comp. Dec., July 18, 1917.)

(f) *Assistant Navy mail clerks.*—Enlisted men designated as assistant Navy mail clerks receive \$15 per month in addition to the pay of their rating. (Act June 27, 1908; Gen. Ords., Nos. 74, June 27, 1908; 79, Nov. 18, 1908; Art. 4427 (31-c), N. R.; Art. 5401 (5), N. I.)

(g) *Mates eligible as mail clerks.*—(For mates as mail clerks. see Note 6, p. 359.)

(h) The appointment of an assistant mail clerk for duty on a flagship is not revoked by reason of the temporary transfer of the flag to another vessel.

An assistant mail clerk is not entitled to the additional pay provided for assistant mail clerks for postal duties performed on board a vessel other than the one for which he was designated. (Comp. Dec., Feb. 8, 1912.)

27. *Messmen.*—Enlisted men detailed as messmen shall, while so acting, except when assigned as reliefs during the temporary absence of the regular messmen, receive extra compensation at the rate of \$5 per month. (Art. 4427 (14), N. R., 1913.)

(a) Mess attendants are not entitled to additional compensation allowed other enlisted men detailed as messmen. (Comp. Dec., Apr. 11, 1908.)

(b) Enlisted men detailed as crew messmen are not entitled to the extra pay provided for such detail while on authorized leave of absence. (Comp. Dec., Apr. 28, 1910.)

(c) Additional pay as messmen should be included in amount forfeited under a court-martial sentence. (Comp. Dec., May 7, 1917.)

28. *Signalmen.*—Enlisted men regularly detailed as signalmen shall receive the following extra compensation in addition to the monthly pay of their rating: Signalmen, first class, \$3; signalmen, second class, \$2; signalmen, third class, \$1. (Art. 4427 (17), N. R., 1913.)

29. *Service on submarines.*—All enlisted men of the Navy shall receive \$5 per month in addition to their pay while serving on board of submarine vessels of the Navy. Besides the \$5 per month extra pay allowed them for submarine service, enlisted men serving with submarine torpedo boats, and having been reported by their commanding officers to the Navy Department as qualified for submarine torpedo boat work, shall receive \$1 additional pay for each day during any part of which they shall have been submerged in a submarine boat while under way; but such further additional pay shall not exceed \$15 in any one calendar month. To be eligible for recommendation by their commanding officers as "qualified for submarine torpedo boat work," in order to receive the benefits of this paragraph, men must fulfill the requirement prescribed by the Bureau of Navigation. (Art. 4427 (11), N. R., 1913.)

(a) An enlisted man of the Navy detailed for duty in connection with the fitting out of a submarine and for duty on board that vessel when completed, is not, prior to the

acceptance of that vessel by the Government, entitled to the additional pay of \$5 per month provided for such duty. (Comp. Dec., Jan. 26, 1912.)

(b) An enlisted man on duty on board a submarine in commission in ordinary is entitled to additional pay provided for submarine duty. (Comp. Dec., Aug. 9, 1916.)

(c) Enlisted men, attached to and serving on board a submarine, although quartered and messed on shore, are entitled to \$5 additional pay provided by G. O. No. 20 of January 1, 1901. (Comp. Dec., Jan. 12, 1916.)

30. *Ship's tailor and tailor's helper.*—Any enlisted man of the Navy detailed to perform the duties of "ship's tailor on board of a vessel having a complement of 600 men or more exclusive of marines, shall receive \$20 per month in addition to the monthly pay of his rating; on a vessel having a complement of from 300 to 600 men, exclusive of marines, \$15 per month in addition to the monthly pay of his rating; on a vessel having a complement of less than 300 men and not less than 100 men, exclusive of marines, \$10 per month in addition to the monthly pay of his rating. Any enlisted man of the Navy detailed as "tailor's helper" on board of a vessel having a complement of 600 men or more, exclusive of marines, shall receive \$10 per month in addition to the monthly pay of his rating; but the total pay of an enlisted man detailed to perform the duties of "ship's tailor" shall not exceed \$50 per month, and of "tailor's helper" shall not exceed \$40 per month. (General Order No. 136, June 5, 1905; Comp. Dec., Aug. 11, 1908; Art. 4427 (21), N. R., 1913.)

(a) An enlisted man detailed as "ship's tailor" is entitled to the additional pay as such while on leave or on temporary duty ashore, provided that no one was detailed to perform the duties of "ship's tailor" during his absence. (Comp. Dec., June 30, 1909, and Mar. 29, 1910.)

(b) An enlisted man serving as "ship's tailor" or "tailor's helper" is entitled to the flat base increase provided by act May 22, 1917, regardless of whether or not he was receiving the maximum pay allowed by the regulations. (Comp. Dec., June 25, 1917.)

(c) There is no authority for the payment of additional compensation to "ship's tailor" or "tailor's helper" at shore stations. (Comp. Dec., Dec. 28, 1917.)

31. *Detained after expiration of enlistment.*—Enlisted men afloat detained beyond their regular term of enlistment until the return to the United States of the vessel to which they belong, under the provisions of section 1422 of the Revised Statutes, shall receive for the time during which they are so detained an addition of one-fourth of their former pay, computed on the total pay which they are entitled to receive; but if an enlisted man be retained in the service after the expiration of his enlistment at his own request, he is not entitled to the one-fourth additional pay. In order to sustain a charge for such additional payment, the supply officer must produce, upon the settlement of his account, a certificate from the commanding officer that the persons to whom such additional compensation has been allowed did reenlist as aforesaid or were detained by such commanding officer under the provisions of the said section. (Art. 4427 (15), N. R., 1913.)

(a) An enlisted man returned from the Asiatic station for discharge, whose term of enlistment expired while on board an Army transport en route to the United States, is not entitled to one-fourth additional pay, under section 1422, Revised Statutes, as that statute does not provide for such a status. (Comp. Dec., July 22, 1913.)

(b) An enlisted man of the Navy whose enlistment expires while the ship on which he is serving is in foreign waters and who is sent home as soon as practicable is not entitled to one-fourth additional pay even though he is required to perform duty on the vessel while en route to the United States. (Com. Dec., Aug. 18, 1915.)

(c) An enlisted man on board a ship in foreign waters who agrees, at expiration of his enlistment, to remain on the ship until her return home and 30 days thereafter and who waives claim to one-fourth additional pay, is nevertheless entitled to the additional pay during the period of retention provided his service were needed. (Comp. Dec., Oct. 19, 1916.)

(d) An enlisted man on foreign sea duty who is under treatment in a hospital when his enlistment expires, and who upon his discharge from treatment is not sent home by first available transport but is ordered to duty on board a receiving ship, is entitled to one-fourth additional for the period retained. (Comp. Dec., Jan. 6, 1917.)

(e) See paragraph 8 relative to time to be made good due to absence, own misconduct.

32. *Honorable discharge gratuity.*—That the term of enlistment of all enlisted men of the United States Navy other than those who are enlisted during minority shall be four years.

That the term of enlistment of any enlisted man in the Navy may, by his voluntary written agreement, under such regulations as may be prescribed by the Secretary of the Navy with the approval of the President, be extended for a period of either one

two, three, or four full years from the date of expiration of the then existing four-year term of enlistment and subsequent to said date such enlisted men as extend the term of enlistment as authorized in this section shall be entitled to and shall receive the same pay and allowances in all respects as though regularly discharged and reenlisted immediately upon expiration of their term of enlistment, and such extension shall not operate to deprive them upon discharge at the termination thereof of any right, privilege, or benefit to which they would be entitled at the expiration of a four-year term of enlistment.

That section 1573 of the Revised Statutes of the United States as amended by section 16 of an act entitled "An act to reorganize and increase the efficiency of the personnel of the Navy and Marine Corps of the United States," approved March 3, 1899, be, and the same is hereby, amended to read as follows: "If any enlisted man or apprentice, being honorably discharged, shall reenlist for four years within four months thereafter, he shall, on presenting his honorable discharge or on accounting in a satisfactory manner for its loss, be entitled to a gratuity of four months' pay equal in amount to that which he would have received if he had been employed in actual service: *Provided*, That any enlisted man in the Navy whose term of enlistment has been extended for an aggregate of four years shall, after the expiration of the preceding four-year term of enlistment upon which the extension is made and if otherwise entitled to an honorable discharge, be paid the gratuity above provided: *And provided*, That any man who has received an honorable discharge from his last term of enlistment, or who has received a recommendation for reenlistment upon the expiration of his last term of enlistment, who reenlists for a term of four years within four months from the date of his discharge shall receive an increase of \$1.36 per month to the pay prescribed for the rating in which he serves for each successive reenlistment: *And provided further*, That an extension of the period of enlistment as hereinbefore authorized, aggregating four years, shall be held and considered as equivalent to continuous service with respect to all rights, privileges, and benefits granted for such service pursuant to law." (Act Aug. 22, 1912.)

(a) The honorable discharge gratuity is computed at the rate of base pay plus permanent additions thereto, but not including transient additions which require a special detail, such as gun pointer, messman, etc. (Comp. Dec., Mar. 27, 1903; June 19, 1906.)

(b) An enlisted man who extends his enlistment for one year in accordance with the provision authorizing the extension of terms of enlistment which appear in the act making appropriations for the naval service for the fiscal year ending June 30, 1913, approved August 22, 1912, is entitled to the continuous service pay of \$1.36 per month authorized by section 1573, Revised Statutes, but is not entitled to the payment of the four months' gratuity pay, since the payment of this gratuity is limited to those whose terms of enlistment are extended for an aggregate of four years. (Comp. Dec., Oct. 11, 1912.)

"*Provided*, That men who have enrolled in the Fleet Naval Reserve within four months of the date of their discharge from the regular naval service shall, upon reenlistment in the regular naval service within four months of the date of discharge from the Fleet Naval Reserve, be entitled to the same gratuity and additional pay as if they had reenlisted in the regular naval service within four months of discharge therefrom." (Act Aug. 29, 1916.)

(c) An enlisted man who enrolls in the Naval Coast Defense Reserve within four months after honorable discharge from the Navy, and during such enrollment reports for active duty in time of war, is not entitled to honorable discharge gratuity, as it is not a gratuity which a corresponding enlisted man of the Navy would get for service in a current enlistment; but he would be entitled to citizenship (G. O. 34) and C. S. C. pay under the same conditions as a corresponding enlisted man of the Navy. (Comp. Dec., May 31, 1917.)

(d) A man who reenlists in the Navy within four months after honorable discharge from an extended enlistment is entitled to the four months' gratuity computed at the same rate as that he was receiving at the time of his actual discharge. (Comp. Dec., May 26, 1917.)

(e) In computing honorable discharge gratuity, the flat base increase authorized by act of May 22, 1917, is not included. (Comp. Dec., June 15, 1917.)

33. *Clothing bounty*.—All enlisted men of the Navy shall receive, on first enlistment, outfits amounting in value as follows: Samoans and such men of the messman branch as are not required to possess complete outfits, not to exceed \$20; men of the Insular Force, not to exceed \$30; all other enlisted men, not to exceed \$60. Commanding officers shall direct which of the above amounts is to be allowed in each case of first enlistment, the outfit for "all other enlisted men" to be issued in accordance with the provisions of the Uniform Regulations. (Art. R-4427 (29), N. R., 1913.)

Any man who is discharged during the first six months of a first enlistment for any cause other than disability incurred in the line of duty shall have checked against his accounts prior to discharge the cost of such portion of outfit allowed on first enlistment as he may have drawn. (Art. R-4427 (29), N. R., 1913.)

(a) In connection with clothing bounty the "first enlistment" refers to the first enlistment in the Navy and has no reference to a previous enlistment in some other branch of the military service. (Comp. Dec., Mar. 27, 1914.)

(b) Where a man is discharged prior to expiration of enlistment, refunds value of clothing outfit received, and subsequently reenlists, he is entitled to outfit not exceeding \$60. (Comp. Dec., July 29, 1916.)

(c) An enlisted man who, upon being furloughed, is required to refund value of clothing outfit is, upon being recalled to active service, entitled to clothing allowance of not to exceed \$60 during his entire first enlistment. (Comp. Dec., Sept. 29, 1916.)

34. *Credits, prizes.*—Gunnery (N. I., 4886); small arm (see "The landing force").

35. *Credits, gratuity for heroism.*—(See N. R. 3661-1-2.)

36. *Travel allowance on discharge.*—(1) Men enlisted within the continental limits of the United States and discharged by reason of expiration of enlistment or extended enlistment within three months before the expiration thereof as provided in Article R-3601 (1) at a place therein not the place of their enlistment shall be furnished at the time of discharge, in lieu of transportation and subsistence, travel allowance of 4 cents per mile from the place of discharge to the place of enlistment. (Art. 3606 (1), N. R.)

(2) Men enlisted outside the continental limits of the United States and discharged within said limits, by reason of expiration, or within three months before the expiration, of enlistment, or extended enlistment, shall be furnished at the time of discharge, in lieu of transportation and subsistence, travel allowance of 4 cents per mile from the place of discharge to the port in the United States nearest the place of discharge from which a regular line of steamships carrying passengers departs for the place of enlistment or for the port nearest thereto. (Art. 3606 (2), N. R.)

(3) Men enlisted within the continental limits of the United States and discharged outside said limits by reason of expiration, or within three months before the expiration, of enlistment, or extended enlistment, shall be furnished at the time of such discharge, travel allowance at the rate of 4 cents per mile to the place of enlistment, from the port in the United States nearest the place of enlistment at which arrives a regular line of steamships carrying passengers from the place of discharge or from the port nearest thereto. (Art. 3606 (3), N. R.)

(4) Men discharged by medical survey, if residents of the United States or of the insular possessions of the United States, shall at the time of their discharge be furnished transportation to their homes, with subsistence and transfers en route, or cash in lieu thereof. (Art. 3606 (6), N. R., 1913.)

(a) An enlisted man of the Navy who extends his enlistment is not entitled to travel allowance at the expiration of the four-year period for which he originally enlisted. He is entitled to travel allowance on discharge by termination of enlistment, as extended, from place of discharge to place of original enlistment. (Comp. Dec., May 28, 1914.)

37. *Chief petty officers detailed as instructors of apprentice seamen.*—Chief petty officers detailed as instructors of apprentice seamen at naval stations who qualify as instructors by examination shall receive hereafter, in addition to their pay, the sum of \$10 per month while so detailed, such pay to be considered extra pay for special duty. Chief petty officers must be citizens of the United States and serving under continuous service in order to be eligible for examination for detail as instructors of apprentice seamen at naval stations. They must also qualify in accordance with the requirements prescribed by the Bureau of Navigation. (General Order No. 34, Nov. 28, 1906; Art. 4427 (26), N. R., 1913.)

(a) Chief petty officers receiving extra compensation of \$10 per month for duty as instructors of apprentice seamen are entitled to the additional pay for the time while they are on leave or absent undergoing examination for promotion to warrant officers: *Provided*, Their details are unrevoked and details were not made to supply their places while absent. (Comp. Dec., Nov. 12, 1910.)

(b) A chief yeoman in the Naval Reserve Force, detailed for duty as instructor of apprentice seamen at a naval training station, is not entitled to the additional pay for this duty unless he has previously qualified by examination for such duty. (Comp. Dec., Sept. 24, 1917.)

38. *Apprentice chief petty officers.*—Apprentice seamen detailed as apprentice chief petty officers, apprentice petty officers, first, second, or third class, in connection with the instruction of apprentice seamen at naval stations, shall receive hereafter, in addition to their pay, the sum of \$2.50, \$2, \$1.50, and \$1 each per month, respectively, while so detailed; such pay to be considered extra pay for special duty. The

complement of apprentice seamen authorized at each naval station as apprentice petty officers shall be four (one in each rating) for each 75 apprentice seamen under training at the station. (General Order No. 34, Nov. 28, 1906; Art. 4427 (27), N. R., 1913.)

PAY AND ALLOWANCES, INSULAR FORCE.

The Secretary of the Navy is authorized to enlist in the Insular Force, United States Navy, not to exceed 500 Filipinos in the following ratings and at the following rates of pay (Art. 4429, N. R., 1913):

Rates.	Monthly pay.	Rates.	Monthly pay.
Native coxswains.....	\$15.00	Native firemen, second class.....	\$15.00
Native seamen.....	12.00	Native coal passers.....	11.00
Native ordinary seamen.....	10.00	Native stewards.....	15.00
Native machinists, first class.....	28.00	Native cooks.....	13.00
Native machinists, second class.....	20.00	Native mess attendants.....	8.00
Native firemen, first class.....	18.00		

Enlisted men in the Insular Force are entitled to clothing bounty on first enlistment and to one-fourth additional pay for detention beyond expiration of enlistment. (Comp. Dec., Oct. 6, 1905.)

A native seaman, or seaman "second class," while detailed and performing the duty of "fireman" on board a vessel of war is entitled to extra compensation of 33 cents a day. (Comp. Dec., Aug. 13, 1910.)

A coxswain of the insular force detailed for duty as coxswain of a boat propelled by machinery is not entitled to additional pay. (Comp. Dec., Apr. 19, 1913.)

PAY AND ALLOWANCES OF NURSE CORPS (FEMALE).

Superintendent.....	per annum..	\$1,800.00
Nurses (female) during first 3 years' service.....	per month..	50.00
Nurses (female) during second 3 years' service.....	do.....	55.00
Nurses (female) during third 3 years' service.....	do.....	60.00
Nurses (female) after 9 years' service.....	do.....	65.00

1. "The Nurse Corps (female) of the United States Navy is hereby established, and shall consist of one superintendent, to be appointed by the Secretary of the Navy, who shall be a graduate of a hospital training school having a course of instruction of not less than two years, whose term of office may be terminated at his discretion, and of as many chief nurses, nurses, and reserve nurses as may be needed: *Provided*, That all nurses in the Nurse Corps shall be appointed or removed by the Surgeon General with the approval of the Secretary of the Navy, and that they shall be graduates of hospital training schools having a course of instruction not less than two years. The appointment of superintendent, chief nurses, nurses, and reserve nurses shall be subject to an examination as to their professional, moral, mental, and physical fitness, and that they shall be eligible for duty at naval hospitals and on board of hospital and ambulance ships and for such special duty as may be deemed necessary by the Surgeon General of the Navy. Reserve nurses may be assigned to active duty when the necessities of the service demand, and when on such duty shall receive the pay and allowances of nurses: *Provided*, That they shall receive no compensation except when on active duty. The superintendent, chief nurses, and nurses shall respectively receive the same pay, allowances, emoluments, and privileges as are now or may hereafter be provided by or in pursuance of law for the Nurse Corps (female) of the Army." (Act May 13, 1908. See also Art. 4428, N. R., 1913.)

2. *Accounts*.—Upon original entry into the service of a member of the Nurse Corps (female), the officer taking up the account will require a copy of the nurse's appointment, or, if in reserve, a certificate of her enrollment, as the case may be, showing thereon over the proper signature the date on which oath was accomplished, and in addition a duplicate copy of her orders to duty. Upon transfer, copies of her accounts and duplicate copies of her orders will be furnished as vouchers to substantiate the pay roll. (S. and A. Memo. 195, p. 4237.)

3. *Pay, assigned as chief nurse*.—A nurse assigned to duty as chief nurse is entitled to \$30 per month in addition to her pay as nurse. (Wrt. R-4428 (3) and Gen. Ord. No. 65, May 4, 1910.)

(a) A chief nurse of the Female Nurse Corps of the Navy assigned to duty at a naval hospital is not entitled to pay as such chief nurse while traveling to her place of duty. (Comp. Dec. May 7, 1910.)

4. *Commutation of rations.*—Nurses who subsist themselves shall be credited with commutation of rations at following rates: If on duty, 40 cents per day; if on leave with pay, 25 cents per day. (See Comp. Dec. 21, 1912.)

(a) A member of the Nurse Corps (female) on detached duty where subsistence is not furnished by the Government, is entitled to commuted rations at the rate of \$1 per day. (S. and A. Memo, 201, p. 4425.)

(b) The expense of board and lodging procured for members of the Nurse Corps (female) detailed to duty at a hospital, there being no accommodations available at such hospital for them, is a proper charge against the United States. (Comp. Dec., Sept. 11, 1917.)

5. *Commutation of quarters.*—Members of the Nurse Corps (female) of the Navy will be allowed \$24 per month in lieu of quarters, when not occupying Government quarters, which amount will be credited on the pay roll upon the certificate of the senior officer at the hospital or station where members of said Nurse Corps may be serving that application for, and no assignment of quarters has been made, and that Government quarters are not available. (Act June 24, 1910, as amended by act June 15, 1917.) (Art. 4513 (10), N. R.)

6. *Commutation of heat and light.*—Members of the Nurse Corps (female) on active duty and at a place where no Government quarters are provided are entitled to commutation of heat and light for rooms actually occupied, not exceeding two and according to the zone rates in which they are on duty. (Comp. Dec., Nov. 24, 1917.)

7. *Hospital fund.*—Nurses shall be checked 20 cents a month for the hospital fund. (Art. 4428 (5), N. R., 1913.)

8. *Foreign service pay.*—Nurses are entitled to \$10 a month extra pay when serving beyond the limits of the States comprising the Union and the Territories of the United States contiguous thereto (except Cuba, Porto Rico, and Hawaii); said additional pay to commence on date of sailing from the United States under orders to foreign duty. (Comp. Dec., Apr. 12, 1911.)

(a) While on duty at a foreign station a nurse is, while on authorized leave, entitled to additional pay provided for such duty. (Comp. Dec., Jan. 25, 1916.)

9. *Leave.*—Nurses are entitled to cumulative leave of absence with pay at the rate of 30 days for each calendar year of service in said corps. (Art. 4428 (7), N. R.)

10. *Allowances of superintendent.*—The superintendent shall be entitled to the same allowances, when on duty, as other members of the Nurse Corps. (Art. 4428 (8), N. R.)

11. *Longevity.*—Members of the Nurse Corps (female) of the Navy are entitled to credit, from and after approval of the act of March 23, 1910, for prior service in the Nurse Corps (female) of the Army. (Comp. Dec., July 22, 1910.)

(a) Service in the Army as contract nurse before the Female Nurse Corps of the Army was established can not be credited in computing service for the increased pay authorized by act of March 23, 1910. (Comp. Dec., Oct. 31, 1910.)

12. *Traveling allowances.*—As members of the Nurse Corps (female) of the Navy are entitled to the same traveling allowances as the members of the Nurse Corps (female) of the Army, the Army Regulations (prescribing classes of expenses and maximum amounts allowed therefor for Army nurses when traveling under orders) must be held to apply to the members of the Nurse Corps (female) of the Navy when traveling under orders. (Comp. Dec., July 9, 1913.)

PAY AND ALLOWANCES OF NAVAL RESERVE FORCE.

[Act of Aug. 29, 1916.]

1. The Naval Reserve Force is divided into six classes, designated as follows:

- First. The Fleet Naval Reserve.
- Second. The Naval Reserve.
- Third. The Naval Auxiliary Reserve.
- Fourth. The Naval Coast Defense Reserve.
- Fifth. The Volunteer Naval Reserve.
- Sixth. Naval Reserve Flying Corps.

2. *Retainer pay.*—This pay is paid to members by the Government in return for their obligation to serve in the Navy in time of war or national emergency. Until a member has been confirmed in his rank or rating he will be paid retainer pay at the rate of \$12 per annum. This pay "shall be in addition to any pay to which a member may be entitled by reason of active service." While performing active service

a member shall receive the full pay of his rank or rating. After confirmation in rank or rating retainer pay shall be as stated under each class. Members of the Volunteer Naval Reserve do not receive retainer pay or clothing.

(a) An enlisted man who enrolled in the former Naval Reserve within four months after his discharge from the Navy, and who was serving therein on August 29, 1916 (date of approval of Naval Reserve Force enactment), and who prior to July 1, 1917, enrolls in the Fleet Naval Reserve, is considered to have therein enrolled within four months of his discharge from the Navy and therefore entitled to 25 per cent increase in retainer pay. (Comp. Dec., Sept. 29, 1917.)

3. *Retainer pay, reenrollment.*—Members who reenroll for four years within four months after discharge from previous enrollment, and who have performed, during preceding enrollment, the minimum amount of active service, shall for each such enrollment receive an increase of 25 per cent of their base retainer pay. Members who have completed 20 years' service in the Naval Reserve Force, and who during that period performed the required active service, upon their own application will be retired, and at such retirement will be paid a cash gratuity equal to the total amount of their retainer pay during their last enrollment.

4. *Clothing.*—Members of the Naval Reserve Force shall, upon first reporting for active service for training during each enrollment, be credited with a uniform gratuity of \$50 for officers and \$30 for men. Upon reporting for active service in time for war or national emergency the uniform gratuity shall be \$150 for officers and \$60 for men or the difference between these amounts and any amounts that may have been credited as a uniform gratuity during the current enrollment. If, however, a member severs his connection with the service, without compulsion on the part of the Government, before the term for which he has enrolled has expired, "the amount so credited shall be deducted from any money that may be or may become due him."

"That the uniform gratuity for the members, other than officers, of each class of the Naval Reserve Force shall be the same as that prescribed for enlisted men of the Navy, but in time of peace the Secretary of the Navy shall prescribe the portion of the clothing gratuity to be issued to such members, other than officers, of the Naval Reserve Force." (Act July 1, 1918.)

"That no part of the clothing gratuity credited to members of the Naval Reserve Force shall be deducted from their accounts where said members accept or have accepted temporary appointments in the Navy in time of war or other national emergency." (Act July 1, 1918.)

CLASS I.—FLEET NAVAL RESERVE.

5. *Membership.*—(a) "All former officers of the United States naval service, including midshipmen, who have left the service under honorable conditions;

(b) "Citizens of the United States who have been, or may be entitled to be, honorably discharged from the naval service after not less than one four-year term of enlistment or after a term of enlistment during minority, and who shall have enrolled in the Naval Reserve Force shall be eligible for membership in the Fleet Naval Reserve;"

(c) By transfer from the naval service enlisted men at the expiration of an enlistment completing sixteen years' naval service;

(d) And by transfer from the naval service enlisted men "with twenty or more years' naval service."

6. *Pay, allowances, etc., of "former officers" (par. 4a).*—"The annual retainer pay of officers of the Fleet Naval Reserve shall be two months' base pay of the corresponding rank in the Navy"; 25 per cent increase of retainer pay for enrollment in the Fleet Naval Reserve within four months of termination of last naval service or reenrollment in the Fleet Naval Reserve within four months from date of termination of last enrollment; *Clothing:* Allowances as stated under Naval Reserve Force, paragraph 3.

(a) An officer of the Pay Corps, Fleet Naval Reserve, is entitled when computing his pay for active service to credit for five years' constructive service acquired in former service as an officer of the Regular Navy. (Comp. Dec., Sept. 18, 1917.)

"*Citizens*" (par. 4b). Retainer pay of \$12 per annum until confirmed in their rank or rating; after confirmation, members with less than eight years' naval service receive pay at rate of \$50 per annum, members with more than eight and less than twelve years' naval service receive pay at the rate of \$72 per annum, members with more than twelve years' naval service receive pay at the rate of \$100 per annum—*except* that men who fail to perform during an enrollment three months' active service in the Navy will be paid on next reenrollment pay at rate of but \$12 per annum until

such time as they shall have completed three months' active service; *Clothing*: Allowances as stated under Naval Reserve Force, paragraph 3.

Sixteen-year service men (par. 4c). One-third of "the base pay they were receiving at the close of their last naval service plus all permanent additions thereto," increased by 10 per cent if "credited with extraordinary heroism in the line of duty;" *Clothing*: Allowances as stated under Naval Reserve Force, paragraph 3. *Retirement*: Upon completing thirty years' service (including naval and fleet naval reserve service) members may, upon their own request "be placed on the retired list of the Navy with the pay they were then receiving plus the allowances to which enlisted men of the same rating are entitled on retirement after thirty years' naval service."

Twenty-year service men (par. 4d). One-half of the "base pay they were receiving at the close of their last naval service plus all permanent additions thereto," increased by 10 per cent if "credited with extraordinary heroism in the line of duty or whose average marks in conduct for twenty years or more shall not be less than ninety-five per centum of the maximum;" *Clothing*: Allowances stated under Naval Reserve Force, paragraph 3. *Retirement*: "Upon their own request, upon completing thirty years' service including naval and fleet naval reserve service, be placed on the retired list of the Navy with the pay they were then receiving plus the allowances to which enlisted men of the same rating are entitled on retirement after thirty years' naval service."

(a) A transferred member of the Fleet Naval Reserve of over 20 years' service is entitled to but one 10 per cent increase of his retainer pay for extraordinary heroism or conduct marks. (Comp. Dec., June 2, 1917.)

(b) Members of the Fleet Naval Reserve are entitled to active-service pay while on active duty for training on board ship and when employed in authorized travel to and from such active duty. When detached from active duty and sent to hospital, they are not entitled to active service pay thereafter except for time necessary to travel to their homes. (Comp. Dec., Feb. 3, 1917.)

(c) Officers and men of the Fleet Naval Reserve, during active service in time of war, are entitled to pay while in hospital under the same circumstances and subject to the same limitations as would apply to officers and men of the Regular Navy. (Comp. Dec., May 22, 1917.)

7. *Hospital fund*.—The hospital fund of transferred members of the Fleet Naval Reserve is deducted from their retainer pay. (S. and A. Memo. 197, p. 4297.)

8. *Travel allowance*.—"No member shall be entitled to travel allowance unless the period of such active service is for not less than one month, or unless specifically provided for by such regulations as may be prescribed by the Secretary of the Navy."

9. *Penalties*.—"Any pay which may be due any member of the Fleet Naval Reserve shall be forfeited when so ordered by the Secretary of the Navy upon the failure, under such conditions as may be prescribed by the Secretary of the Navy, of such man to report for inspection."

(a) A chief quartermaster or a chief commissary steward transferred to Fleet Naval Reserve is entitled to retainer pay from date of transfer at rate of one-half base pay plus all permanent additions. (Comp. Dec., Sept. 22, 1916.)

CLASS 2.—NAVAL RESERVE.

10. *Pay, retainer*.—Before confirmation, \$12 per annum; after confirmation in rank or rating, "two months' base pay of the corresponding rank or rating in the Navy."

11. *Clothing allowance*.—See paragraph 3 under Naval Reserve Force.

CLASS 3.—NAVAL AUXILIARY RESERVE.

12. *Pay, retainer*.—Before confirmation, \$12 per annum; "after confirmation in rank or rating * * * for officers: One month's base pay of the corresponding rank in the Navy; and for men: Two months' base pay of the corresponding rating in the Navy."

13. *Pay, active duty*.—While on active duty a member will receive the full pay of his rank or rating.

(a) Officers of the Naval Auxiliary Reserve are not entitled to longevity increase of pay for services rendered in the Naval Auxiliary service in a civil capacity, when computing their pay for service in the Navy. (Comp. Dec., June 27, 1917.)

14. *Clothing allowance*.—See paragraph 3 under Naval Reserve Force.

CLASS 4.—NAVAL COAST DEFENSE RESERVE.

15. *Pay, retainer.*—Before confirmation, \$12 per annum; after confirmation in rank or rating, “two months’ base pay of the corresponding rank or rating in the Navy.”

16. *Clothing allowance.*—See paragraph 3 under Naval Reserve Force.

17. *Subsistence.*—Enlisted men of the Naval Coast Defense Reserve on detached duty are entitled to be furnished with subsistence in kind, or in lieu of this to such per diem rate as the department may have previously fixed. (Comp. Dec., Mar. 23, 1917.)

CLASS 5.—VOLUNTEER NAVAL RESERVE.

18. Members of this class are eligible for membership in any one of the other classes of the Naval Reserve Force and obligate themselves to serve in the Navy in any one of said classes *without retainer pay and uniform gratuity* in time of peace.

(a) In time of war officers of Volunteer Naval Reserve on active duty are entitled to uniform gratuity of \$150 for a full term enrollment. (Comp. Dec., Aug. 7, 1917.)

CLASS 6.—NAVAL RESERVE FLYING CORPS.

19. *Pay, retainer.*—Before confirmation, \$12 per annum; after confirmation in rank or rating, “two months’ base pay of the corresponding rank or rating in the Navy.”

20. *Clothing allowance.*—See paragraph 3 under Naval Reserve Force.

NAVAL MILITIA AND NATIONAL NAVAL VOLUNTEERS.

(For full text of act to “Promote the efficiency of the Naval Militia” approved February 16, 1914, see G. O. 77. For full text of act of August 29, 1916, concerning the Naval Militia and National Naval Volunteers, see G. O. 231.)

PAY AND ALLOWANCES (NAVAL MILITIA).

Officers of the Naval Militia when on active duty receive the same pay as officers of corresponding grades of the Navy and Marine Corps. (Act Aug. 29, 1916.)

Enlisted men of the Naval Militia during periods of active duty are “entitled to the same pay as enlisted men of corresponding rate or rank of the Navy or Marine Corps.” (Act Aug. 29, 1916.)

For comptroller decisions as affecting the pay of the Naval Militia, see paragraph 895, Manual for Supply Officers Afloat.

PAY AND ALLOWANCES (NATIONAL NAVAL VOLUNTEERS).

“That every person enrolled in said Volunteers shall, from the date of the call of the President, and during the continuance of his active service under said call, stand relieved from all duty as a member of the Naval Militia, and shall, during said period, have in said Volunteers all the authority and obligations of a person of similar rank, grade, or rate in the United States Navy or Marine Corps, shall be governed by the laws and regulations for the government of the Navy, and shall, during his time of active service, be entitled to the same pay and allowances as are, or may be hereafter, provided by law for a person of similar rank, grade, or rate in the United States Navy and Marine Corps, respectively.” (Act Aug. 29, 1916.)

For comptroller decisions as affecting the pay of National Naval Volunteers, see paragraph 896, Manual for Supply Officers Afloat.

COAST GUARD.

[For text of act, see p. 36, G. O. 231.]

1. *Pay and allowances.*—(a) Commissioned officers of the Coast Guard when operating with the Navy in time of war do not receive the 10 per cent provided for officers of the Navy on sea duty. (Comp. Dec., June 19, 1917.)

(b) Warrant officers, petty officers, and enlisted men of the Coast Guard, during the continuance of the war (in accordance with act approved May 22, 1917) receive the same rate of pay as prescribed for corresponding grades or ratings and length of service in the Navy. (Comp. Dec., June 19, 1917.)

(c) The pay of warrant officers and enlisted men of the Coast Guard when the latter service is operating with the Navy, is the pay of the service which is greatest. (Comp. Dec., Dec. 1, 1917.)

(d) Coast Guard General Orders Nos. 17 and 19, relative to supplies, proposals, vouchers, and pay for Coast Guard units, while acting as a part of the Navy, are printed in full on pages 4324, 4325, 4326 of S. and A. Memo. 198.

(e) The enlisted personnel of Coast Guard, Naval Reserve Force, Naval Militia, and National Naval Volunteers while on active duty with the Navy are entitled to flat base increase of pay provided by act of May 22, 1917, for the same period during which enlisted men of the regular Navy are so entitled. (Comp. Dec., June 27, 1917.)

(f) Enlisted men of the Coast Guard serving on board cutters having the required complement of officers and men and who may be designated Navy mail clerks or assistant Navy mail clerks in the manner prescribed for the Navy are while performing such duty entitled to the additional compensation for such duty, payable from "Pay and allowances" of the Coast Guard. (Comp. Dec., June 26, 1917.)

COAST AND GEODETIC SURVEY (ACT MAY 22, 1917).

"Nothing in this act shall reduce the total amount of pay and allowances they [members of Coast and Geodetic Survey] were receiving at the time of transfer. While actually employed in active service under direct orders of the * * * Navy Department members of the Coast and Geodetic Survey shall receive the benefit of all provisions of laws relating to disability incurred in line of duty or loss of life." (Act May 22, 1917.)

(a) Travel expense, as well as pay and cost of subsistence, incurred on or since September 24, 1917, by the personnel of the Coast and Geodetic Survey, is payable by the department to which such personnel was transferred and so continues until the personnel is returned to the Coast and Geodetic Survey by lawful authority. (Comp. Dec., Oct. 18, 1917.)

Table 83.—MARINE CORPS PAY TABLES.

[Revised to Jan. 1, 1917.]

PAY OF OFFICERS AND ENLISTED MEN, UNITED STATES MARINE CORPS, ACT OF MAY 11, 1918.

[Excerpt of statement issued by office of the paymaster of the Marine Corps.]

TABLE 1.—PAY OF OFFICERS OF THE UNITED STATES MARINE CORPS.

Grade.	Pay.
Major General Commandant.....	\$8,000.00
Brigadier generals.....	6,000.00
Colonels.....	4,000.00
Lieutenant colonels.....	3,500.00
Majors.....	3,000.00
Captains, and leader of band.....	2,400.00
First lieutenants.....	2,000.00
Second lieutenants.....	1,700.00
Marine gunners and quartermaster clerks (for rates see pay table No. 2 for warrant officers, Navy).	

1. *Pay, assimilated with Army.*—"The officers of the Marine Corps shall be entitled to receive the same pay and allowance, * * * as are or may be provided by or in pursuance of law for officers * * * of like grades in the Infantry of the Army." (Sec. 1612, R. S.)

2. *Pay, longevity.*—(a) "There shall be allowed and paid to each commissioned officer below the rank of brigadier general, including chaplains and others having assimilated rank and pay, ten per centum of their current yearly pay for each term of five years' service." (Sec. 1262, R. S.)

(b) "The total amount of such increase for length of service shall in no case exceed forty per centum on the yearly pay of the grade as provided by law." (Sec. 1263, R. S.)

(c) "In no case shall the pay of a colonel exceed five thousand dollars a year, the pay of a lieutenant colonel exceed four thousand five hundred dollars a year, or the pay of a major exceed four thousand dollars a year." Sec. 1267, R. S., as amended by the act of May 11, 1908.)

(b) Longevity pay of officers is computed from date of acceptance of appointment, and includes all service in the Army, Navy, or Marine Corps.

3. *Pay, on leave.*—(a) “Officers when absent on account of sickness (except as provided in par. 4 below) or wounds, or lawfully absent from duty and waiting orders, shall receive full pay; when absent with leave, for other causes, full pay during such absence not exceeding in the aggregate thirty days in one year, and half pay during such absence exceeding thirty days in one year. When absent without leave, they shall forfeit all pay during such absence, unless the absence is excused as unavoidable.” (Sec. 1265, R. S.)

(b) “In the discretion of the Secretary of War, leave of absence without deduction of pay and allowances may be extended to four months if taken only once in four years.” (Act July 29, 1876; 19 Stat., 102.)

4. *Pay while absent, sick.*—No officer or enlisted man absent from duty on account of sickness or disease resulting from his own intemperate use of drugs, alcoholic liquors, or other misconduct shall receive pay for such period of absence. (Acts Apr. 27, 1914; Aug. 29, 1916.)

5. *Pay, additional, for foreign service.*—(a) “Provided, That hereafter the pay proper of all officers serving beyond the limits of the States comprising the Union and the Territories of the United States contiguous thereto shall be increased ten per centum over and above the rates of pay proper as fixed by law for time of peace, and the time of such service shall be counted from the date of departure from said States to the date of return thereto.” (Both dates inclusive; see 13 Comp., 632.) (Act Mar. 2, 1901; 31 Stat., 903.) (See also act of Mar. 3, 1901; 31 Stat., 1108; and Army act of June 30, 1902.)

(b) By the act of June 12, 1906 (34 Stat., 247), officers serving in Porto Rico and Hawaii are excepted from the provisions of the above act (13 Comp., 33). This does not include the Marine Corps; see note below, case of *Vulte v. United States*.

(c) “Increase of pay for service beyond the limits of the States comprising the Union and the Territories of the United States contiguous thereto shall be as now provided by law.” (Act May 11, 1908.) The provisions of this act are construed to continue the limitation imposed by the act of June 12, 1906, above, as to Porto Rico and Hawaii. (Comp. Dec., June 2, 1908.)

An officer or enlisted man of the Marine Corps serving in Porto Rico since the act of March 2, 1901 (31 Stat., 903), is respectively entitled to 10 and 20 per cent increase of pay for such service, as well as during the outward and return voyages. (Court of Claims of the United States No. 30481 (decided Apr. 1, 1912), *Nelson P. Vulte v. United States*.) Under this decision officers and men of the Marine Corps continued to be entitled to 10 and 20 per cent increase while serving in Canal Zone, Panama, Hawaii, or Porto Rico until the act of August 24, 1912, quoted in (f) below.

(d) The 10 per cent increase for foreign service is computed on base pay and permanent additions only. (Sup. Ct., Mar. 13, 1905; Mills Dec. and Compts. Dec., May 19 and June 4, 1915; 21 Compt. 811 and 848, resp.)

(Under the above, foreign-service pay of officers should be computed on base and longevity pay only.)

(e) Officers and men of a marine battalion on shore duty, who are not specifically detached from this duty but are embarked on a transport for passage for special temporary expeditionary duty beyond seas, are, while in such status, entitled to foreign-service pay. (See also Comp. Dec., Nov. 7, 1911; p. 1912, Bu. Memo. No. 129.) (Comp. Dec., Mar. 22, 1912.)

(f) “Provided, That hereafter the laws allowing increase of pay to officers and enlisted men for foreign service shall not apply to service in the Canal Zone, Panama, or Hawaii or Porto Rico.” (Act of Aug. 24, 1912, 37 Stat., 576.)

(g) When officers and men are assigned to shore duty abroad they become entitled to the additional pay when they start upon that duty. When the orders to *shore duty abroad* are given before departure from the United States the pay begins upon departure, but when given abroad the pay begins upon landing. The officers are entitled to traveling expenses (mess bill) from the time of departure to time of arrival at objective point. (Comp. Dec., June 5, 1914; Bu. Memo. 160, p. 3253.)

(h) “Provided further, That marine gunners and quartermaster clerks of the Marine Corps assigned on foreign shore service shall be entitled to the same increased compensation and under the same conditions as is now or hereafter allowed by law to commissioned officers of the Marine Corps.” (Act. Mar. 4, 1917, 39 Stat., 1188.)

(i) Sea pay: *Provided*, That the increased compensation as now fixed by law for the Marine Corps for foreign shore service shall hereafter be paid to the officers and enlisted men of that corps while on sea duty, in the same manner and under the same conditions as is provided by the act approved May 13, 1908, for officers of the Navy. (Act Mar. 3, 1915.) Officers or men are not entitled to sea pay under this

act while in confinement awaiting or undergoing trial (Compts. Dec., Aug. 24, 1915; Bu. Memo. 174, p. 3766), nor while on leave or furlough (see Comp. Dec., June 8; 1915, Memo. 172, p. 3703). Entitled to sea pay for duty performed at sea under orders though not formally or technically attached to the vessel as part of her complement (see 22 Compt., 271).

6. *Pay for providing mounts.*—(a) "In case any officer below the grade of major; required to be mounted, provides himself with suitable mounts at his own expense, he shall receive an addition to his pay of \$150 per annum if he provides one mount; and \$200 per annum if he provides two mounts." (Act May 11, 1908.)

(b) Officers required by regulations or orders from proper authority to be mounted may obtain the additional pay for providing such mounts in the following manner: By filing with the first voucher (N. M. C. 426) on which credit is claimed duplicate copies of their orders requiring them to be mounted, together with proper certificates from their commanding officer that the mount, or mounts, are in all respects suitable for the military service and conform to the standards for mounts prescribed by proper authority (citing authority). Subsequent vouchers need only refer to the original authority and the first voucher with which such authority is filed.

(c) An officer of the Marine Corps required to be mounted, and who provides himself with a suitable mount at his own expense, is, while temporarily detached from the station where his mount is kept, entitled to mounted pay so long as his mount is actually and exclusively owned and kept for his use in the military service. (Comp. Dec., Apr. 19, 1912.)

7. *Pay, aviation duty.*—(a) That from and after the passage and approval of this act the pay and allowances that are now or may be hereafter fixed by law for officers of the Navy and Marine Corps shall be increased thirty-five per centum for such officers as are now or may hereafter be detailed by the Secretary of the Navy on aviation duty: *Provided*, That this increase of pay and allowances shall be given to such officers only as are actual flyers of heavier-than-air craft, and while so detailed: *Provided further*, That no more than thirty officers of the Navy and Marine Corps shall be detailed to aviation service: *Provided further*, That no officer above the rank of lieutenant commander in the Navy or major in the Marine Corps shall be detailed for actual flying. (Act of Mar. 4, 1913.)

(b) Hereafter officers of the Navy and Marine Corps appointed student naval aviators, while lawfully detailed for duty involving actual flying in air craft, including balloons, dirigibles, and aeroplanes, shall receive the pay and allowances of their rank and service plus thirty-five per centum increase thereof; and those officers who have heretofore qualified, or may hereafter qualify, as naval aviators, under such rules and regulations as have been or may be prescribed by the Secretary of the Navy; shall, while lawfully detailed for duty involving actual flying in air craft, receive the pay and allowances of their rank and service plus fifty per centum increase thereof: *Provided*, That not more than a yearly average of forty-eight officers and ninety-six enlisted men of the Navy and twelve officers and twenty-four enlisted men of the Marine Corps, detailed for duty involving actual flying in air craft, shall receive any increase in pay while on duty involving actual flying in air craft, nor shall any officer in the Navy senior in rank to commander, nor any officer in the Marine Corps senior in rank to major, receive any increase in pay or allowances by reason of such detail or duty.

(c) The act approved August 29, 1916, provides that the number of officers detailed to duty in air craft involving actual flying in any one year shall be in accordance with the requirements of the air service as determined by the Secretary of the Navy: *Provided*, That the officers so detailed from the line of the Navy and from the Marine Corps shall not exceed the total number herein prescribed for the Naval Flying Corps. The officers detailed and the enlisted men of the Naval Flying Corps shall receive the same pay and allowances that are now provided by law for officers and enlisted men of the same grade or rank and rating in the Navy and Marine Corps detailed to duty with air craft involving actual flying.

(d) The act approved August 29, 1916, provides that nothing in this act shall be so construed as to prevent the detail of officers and enlisted men of other branches of the Navy as student aviators or student airmen in such numbers as the needs of the service may require. Such officers and enlisted men, while detailed as student aviators and student airmen involving actual flying in air craft, shall receive the same pay and allowances that are now provided by law for officers and enlisted men of the same grade or rank and rating in the Navy detailed for duty with air craft.

(e) This increase applies to base and longevity pay and to all allowances except those furnished in kind. Mileage is an allowance within the meaning of this law. (19 Comp., 649.) Not computed on sea or foreign service pay. (See 22 Comp., p. 11.) Entitled to increase while on leave. (See Comp. Dec., Bu. Memo., 162, p. 3333.)

8. *Pay, retired officers.*—(a) "Officers retired from active service shall receive seventy-five per centum of the pay of the rank upon which they are retired." (R. S., 1274.)

(b) "The commissioned officers of the Marine Corps shall be retired in like cases, in the same manner, and with the same relative conditions in all respects as are provided for officers of the Army * * *." (R. S., 1622.)

(c) Officers below the grade of lieutenant colonel assigned to active duty are entitled, while so assigned, to receive the full pay and allowances of their respective grades, but retired officers above the grade of major, assigned to active duty, receive only the full retired pay of their grade, except that a colonel or lieutenant colonel, assigned to active duty, shall receive the same pay and allowances as a retired major would receive under a similar assignment. (Act of June 12, 1906.)

The act approved August 29, 1916, provides that hereafter any retired officer of the naval service who shall be detailed on active duty shall, while so serving, receive the active duty pay and allowances of the grade, not above that of lieutenant commander in the Navy or of major in the Marine Corps, that he would have attained in due course of promotion if he had remained on the active list for a period beyond the date of his retirement equal to the total amount of time during which he has been detailed on active duty since his retirement: *Provided*, That nothing herein shall be construed to reduce the pay of any retired officer on active duty whose retired pay exceeds the active duty pay and allowances for the grade of lieutenant commander.

(d) "Provided, That assignments which have been or may hereafter be made of retired officers of the Army to active duty as acting quartermasters shall be regarded as assignments to staff duties not involving service with troops within the meaning of the act of Congress approved April twenty-third, nineteen hundred and four."

(e) "Provided further, That hereafter any retired officer of the Army who has been detailed to active duty, and who has, since his retirement, served on active detail, shall be entitled to increases of longevity pay to be computed as provided by existing statute for the computation of longevity pay for the time of his service before retirement and on active detail since his retirement." (Act May 12, 1917, 40 Stat., 48.) (See 23 Comp., 715.)

9. *Death gratuity—officers.*—(a) Payment of death gratuity to widow, children, or dependent relative of an officer of the active list is authorized under the same conditions as officers of the Navy. (See par. 4, "General remarks.")

(b) "The laws providing for gratuity or payments in the event of death in the service and existing pension laws shall not be applicable after the enactment of this amendment to persons now in or hereafter entering the military or naval service, or to their widows, children, or their dependents, except in so far as rights under any such law shall have heretofore accrued." (Sec. 312, act of Oct. 6, 1917.)

10. *Hospital fund.*—(a) Twenty cents per month is deducted from the pay of each person of the Navy and Marine Corps, active and retired, to be applied to the naval hospital fund. (R. S., 1614.)

(b) Officers, active or retired, admitted to naval, Army, marine, or other hospitals, where the expenses are paid by the United States, are checked the value of one Navy ration (40 cents) per day to be credited to the naval hospital fund. (R. S., 4812, and Arts. R. 4521 and R. 4532, Navy Reg., 1913.) (Act Oct. 6, 1917; Bu. Memo. 200, p. 4390.)

ALLOWANCES—OFFICERS MARINE CORPS.

11. *Mileage and traveling expenses—without troops.*—(a) Officers of all grades, whether active or retired, are allowed mileage at the rate of 8 cents per mile for travel under competent orders on duty without troops in the United States, and to actual and necessary expenses for such travel abroad, or for repeated travel in the United States. (See act of June 10, 1896 (29 Stat., 376), act of Aug. 5, 1882 (22 Stat., 286), and 8 Comp. Dec., 123, as to mileage and travel abroad, and act July 1, 1902, and Art. 4495 (5) and (6), Navy Reg., 1913, as to repeated travel.)

(b) *Travel with troops.*—For travel on duty with troops, transportation only is allowed officers for all travel in the United States, the home waters thereof, and for travel in the Philippine Archipelago, the Hawaiian Archipelago, and between the United States and Alaska; but for all other sea travel (except when regularly attached to vessels of the Navy for duty) on duty with troops *actual expenses only*, not including any shore expenses at port of embarkation or debarkation. (Army act June 12, 1906; Comp. Dec., Nov. 9, 1906—case of Maj. Myers.)

12. *Commutation of quarters.*—(a) "Where there are public quarters belonging to the United States, officers may be furnished with quarters in kind, in such public quarters, and not elsewhere, by the Quartermaster's Department, assigning to the officers of each grade, respectively, such number of rooms as is stated in the following table:

	Rooms.		Rooms.
Marine gunners and quartermaster clerks and pay clerks.....	2	Majors.....	5
Second lieutenants.....	2	Lieutenant colonels.....	6
First lieutenants.....	3	Colonels.....	7
Captains.....	4	Brigadier generals.....	8
		Major generals.....	9

"Provided, That hereafter at places where there are no public quarters available commutation for the authorized allowance therefor shall be paid to commissioned officers * * * and pay clerks at the rate of \$12 per room per month;" * * * (see Army act Mar. 4, 1915).

13. Allowance, heat and light.—"Hereafter heat and light actually necessary for the authorized allowance of quarters for officers and enlisted men shall be furnished at the expense of the United States under such regulations as the Secretary of War may prescribe." (Army act Mar. 2, 1907.) By the act of March 4, 1915, commutation of heat and light is authorized in the cases of officers occupying quarters other than public. In this connection see Marine Corps Orders No. 33 (Series 1915).

14. Leader of band—Pay and allowances.—"The leader of the United States Marine Band shall have the pay and allowances of a captain." (Act Aug. 29, 1916.)

15. For allowances of marine gunners and quartermaster clerks see Navy pay tables and "Remarks" concerning warrant officers.

TABLE 2.—PAY OF NONCOMMISSIONED OFFICERS, MUSICIANS, AND PRIVATES, UNITED STATES MARINE CORPS.

Grade.	First enlistment period.	Second enlistment period.	Third enlistment period.	Fourth enlistment period.	Fifth enlistment period.	Sixth enlistment period.	Seventh enlistment period.
Sergeant major.....	\$45	\$49	\$53	\$57	\$61	\$65	\$69
Quartermaster sergeant.....							
First sergeant.....							
Drum major.....							
Gunnery sergeant.....	30	33	36	39	42	45	48
Sergeant.....							
Corporal.....							
Drummer.....							
Trumpeter.....	15	18	21	22	23	24	25
Private.....							
Second leader of band.....							
Principal musician.....							
Musicians, first class.....	100	100	100	100	100	100	100
Musicians, second class.....	85	85	85	85	85	85	85
Musicians, third class.....	70	70	70	70	70	70	70

No increase for continuous service is allowed after the seventh enlistment period. (Army act May 11, 1908.)

Additional pay per month.

Mess sergeant.....	\$6.00
Cooks, first class.....	10.00
Cooks, second class.....	8.00
Cooks, third class.....	7.00
Cooks, fourth class.....	5.00
Messmen (ashore and afloat). (See S. O. No. 90, Sept. 3, 1908).....	5.00
Gun captains.....	5.00
Gun pointers:	
Heavy gun pointers—	
First class.....	10.00
Second class.....	6.00
Intermediate gun pointers—	
First class.....	8.00
Second class.....	4.00
Secondary gun pointers—	
First class.....	4.00
Second class.....	2.00
Signalmen, first class..... (ashore and afloat).....	3.00
Signalmen, second class.....	2.00
Signalmen, third class.....	1.00
Expert riflemen.....	5.00
Sharpshooters.....	3.00
Marksmen.....	2.00
For each conduct medal, pin, or bar.....	.75
Members of Marine Band, for playing at White House and public grounds.....	4.00
Navy mail clerks, same rates as Navy. (See Arts. 4442 (11) and 4427 (31), Navy Reg., 1913.)	
War pay, Army act, May 18, 1917:	
Enlisted men whose base pay does not exceed \$21 per month.....	15.00
Enlisted men whose base pay is \$24 per month.....	12.00
Enlisted men whose base pay is \$30, \$36, or \$40 per month.....	8.00
Enlisted men whose base pay is \$45 or more per month.....	6.00

PAY IN GENERAL.

1. *Pay assimilated with Army.*—(a) * * * “The enlisted men of the Marine Corps shall be entitled to receive the same pay and bounty for reenlisting as are or may be provided by or in pursuance of law for * * * enlisted men of like grades in the Infantry of the Army.” (R. S., 1612.)

(b) “No officer or enlisted man absent from duty on account of sickness or disease resulting from his own intemperate use of drugs, alcoholic liquors, or other misconduct shall receive pay for such period of absence.” (Acts of Apr. 27, 1914, and Aug. 29 1916.)

(c) *Sergeant majors and quartermaster sergeants* are entitled to the pay of regimental sergeant majors and regimental quartermaster sergeants, United States Army, respectively. (6 Comp. Dec., 599.)

(d) That the *pay of drum major* shall be the same as that now established, or that may be hereafter established, for first sergeants in the Marine Corps of the same length of service. (Naval appropriation act, approved July 26, 1894.)

(e) *Gunnery sergeants* have the rank and allowances, including continuous-service pay, of a first sergeant and pay at the rate of \$45 per month. (Act of Aug. 22, 1912.)

(f) *The pay of members of the United States Marine Band* is fixed by the act of August 29, 1916. By this act the leader of the band is given the pay and allowances of a captain, the second leader is given the allowances of a sergeant major, and the musicians the allowances of a sergeant.

(g) *Bounty for reenlistment.*—“That hereafter any private soldier, musician, or trumpeter honorably discharged at the termination of his first enlistment period who reenlists within three months of the date of said discharge shall, upon such reenlistment, receive an amount equal to three months’ pay at the rate he was receiving at the time of his discharge.” (Act May 11, 1908.) Three months’ pay includes all pay a man was receiving at the time of his discharge. (Comp. Dec., June 8 and 11, 1908.) Drummers in the Marine Corps are also entitled to receive the three months’ pay provided in the act of May 11, 1908. (Comp. Dec., Jan. 28, 1909.) War pay, act of May 18, 1917, to be included in computing bounty. (Comp. Dec., Dec. 13, 1917.)

(h) That sections 1280, 1281, and 1284 of the Revised Statutes be, and are hereby, repealed. * * * (Act May 11, 1908.)

(i) That nothing herein contained shall be construed so as to reduce the pay or allowances now authorized by law for any officer or enlisted man of the Army, and all laws or parts of laws inconsistent with the provisions of this act are hereby repealed. (Act May 11, 1908.)

An enlisted man of the Marine Corps detained beyond the expiration of his enlistment to await trial by court-martial and who is acquitted is entitled only to his regular pay while so held. (Comp. Dec., Apr. 9, 1912.)

(j) *Death gratuity.*—Payment of death gratuity to widow, children, or dependent relative of enlisted men of the active list is authorized under the same conditions as in the case of officers of the Marine Corps. (See par. 4, “General remarks.”)

(k) *Travel pay.*—The national-defense act, approved June 3, 1916, provides that on and after July 1, 1916, an enlisted man when discharged from the service, except by way of punishment for an offense, shall receive 3½ cents per mile from the place of his discharge to the place of his acceptance for enlistment, enrollment, or original muster into the service, at his option: *Provided*, That for sea travel on discharge, transportation and subsistence only shall be furnished to enlisted men.

Enlisted men discharged on account of fraudulent enlistment, desertion, by purchase, for own convenience, or while in the hands of the civil authorities are not entitled to travel allowance under the above law.

(l) *Hospital fund.*—Twenty cents per month will continue to be deducted from the above rates, as usual, for the naval hospital fund.

PAY—CONTINUOUS SERVICE.

2. (a) “Hereafter any soldier honorably discharged at the termination of an enlistment period, who reenlists within three months thereafter, shall be entitled to continuous-service pay as herein provided, which shall be in addition to the initial pay provided for in this act and shall be as follows, namely: For those whose initial pay as provided herein is \$36 or more, an increase of \$4 monthly pay for and during the second enlistment, and a further increase of \$4 for and during each subsequent enlistment up to and including the seventh enlistment. For those whose initial pay as provided for herein is \$18, \$21, \$24, or \$30, an increase of \$3 monthly pay for and during the second enlistment, and a further increase of \$3 for and during each subsequent enlistment up to and including the seventh, after which the pay shall remain as in the seventh enlistment. For those whose initial pay as provided herein is \$15 and \$16

an increase of \$3 monthly pay for and during the second and third enlistments each and a further increase of \$1 for and during each subsequent enlistment up to and including the seventh, after which pay shall remain as in the seventh enlistment: *Provided*, That hereafter any soldier honorably discharged at the termination of his first or any succeeding enlistment period who reenlists after the expiration of three months shall be regarded as in his second enlistment; that an enlistment shall not be regarded as complete until the soldier shall have made good any time lost during an enlistment period by unauthorized absences exceeding one day, but any soldier who receives an honorable discharge for the convenience of the Government after having served more than half of his enlistment shall be considered as having served an enlistment period within the meaning of this act; that the present enlistment period of men now in service shall be determined by the number of years' continuous service they have had at the date of the approval of this act, under existing laws, counting three years to an enlistment, and the former service entitling an enlisted man to reenlisted pay under existing laws shall be counted as one enlistment period." (Army act, May 11, 1908.) By the act of August 24, 1912, it is provided "That for all enlistments hereafter accomplished under the provisions of this act four years shall be counted as an enlistment period in computing continuous-service pay." For application of this law to the Marine Corps, see Comptroller's Decisions, September 4, 1913, Bureau Memoranda, No. 150, page 2758. "The national-defense act of June 3, 1916, provides that for all enlistments accomplished after November 1, 1916, three years shall be counted as an enlistment period in computing continuous-service pay."

(b) The only method which will place the enlisted men of the Army and Marine Corps on as nearly an equal footing as possible and give effect to section 1612 of the Revised Statutes as far as possible in connection with the requirements of the act of May 11, 1908, above, is to hold that a new enlistment period for men of the Marine Corps begins after a continuous service of three years without regard to discharge and reenlistment, except that the men must remain continuously in the service. (Comp. Dec., Aug. 8, 1908.)

(c) In computing continuous service of marines for purpose of pay, only service in the Army and Marine Corps is counted. In counting Marine Corps service it is prescribed under the act of May 11, 1908, and the decision of the comptroller of August 8, 1908, above mentioned, to count three years to an enlistment for all continuous service (except the time a soldier is held in service beyond the expiration of his enlistment subsequent to the act of May 11, 1908, and as otherwise provided in said act—see Comp. Dec., Oct. 9, 1909, case of Sergt. West, and Oct. 28, 1909, case of Pvt. Daly), whether prior or subsequent to May 11, 1908, and in addition thereto to count one enlistment period for former service entitling the soldier to reenlistment (class 3) pay. Army service prior to May 11, 1908, is also counted on the same basis; but in counting Army service subsequent to May 11, 1908, for a man who has enlisted in the Marine Corps from the Army, such Army service should be counted on the basis of a full enlistment period, except as otherwise provided, with an honorable discharge and reenlistment within the proper time, i. e., an Army soldier is entitled upon enlisting in the Marine Corps to receive the same pay as he would have received if he had reenlisted in the Army. (Comp. Dec., Aug. 8, 1908; Army Pay Manual, 582, note 2, and Comp. Dec., June 28, 1909, case Bobolsky.)

(d) The provisions of the act of May 11, 1908, above mentioned, apply to soldiers reenlisting after May 11, 1908, who were honorably discharged at the termination of an enlistment period prior to the passage of said act, as well as to soldiers so reenlisting who were honorably discharged after the passage of said act. (Comp., June 11, 1908.)

(e) A soldier who reenters the service on or after May 12, 1908, after having remained out more than three months, is entitled to the pay of the second enlistment; but a soldier who completed one or more enlistments that did not entitle him to reenlistment pay, and reentered the service on or before May 11, 1908, having remained out over three months, is not entitled to credit for his former service.

(f) An enlistment shall not be regarded as complete until the soldier shall have made good any time in excess of one day lost by unauthorized absences, or on account of disease resulting from his own intemperate use of drugs or alcoholic liquors or other misconduct, or while in confinement awaiting trial or disposition of his case if the trial results in conviction, or while in confinement under sentence. (Act. Apr. 27, 1914.)

(g) The second leader of the Marine Band is entitled to the continuous-service pay of a regimental sergeant major. The first and second class musicians of the band are not allowed continuous-service pay. (See sec. 24, personnel act, Mar. 3, 1899, 5 Comp., 745, and Comp. Dec., June 30, 1908.)

(h) The continuous service of retired enlisted men is counted in the same manner as is provided for counting the past services of men on the active list. (Comp. Dec., June 26, 1908.)

(i) Service in the Army of less than one-half of the regular enlistment period and terminated by the purchase of discharge should not be included in determining, as far as pay is concerned, the date upon which a subsequent enlistment period is to begin. (Comp. Dec., Mar. 20, 1912.)

(j) Enlisted men of the Marine Corps reenlisting after remaining out of the service over three months are required to make up time lost in the preceding enlistment before becoming entitled to pay as in second enlistment. (Comp. Dec., Feb. 4, 1918.)

FOREIGN-SERVICE PAY.

3. (a) "The pay proper of all enlisted men serving beyond the limits of the State comprising the Union and the Territories of the United States contiguous thereto shall be increased twenty per centum over and above the rates of pay proper as fixed by law for time of peace, and the time of such service shall be counted from the date of departure from the said States to the date of return thereto" (both dates inclusive). (Act Mar. 2, 1901, 31 Stat., 903. See also act of Mar. 3, 1901, 31 Stat., 1108, and Army act of June 30, 1902.)

By the act of June 12, 1906 (34 Stat., 247), enlisted men serving in Porto Rico and Hawaii are excepted from the foregoing act of March 2, 1901. (13 Comp. Dec., 33, July 21, 1906). This does not apply to the Marine Corps and enlisted men of the Marine Corps continued to be entitled to foreign-service pay for service in the Canal Zone, Panama, Hawaii, and Porto Rico, under the decision of the Court of Claims in the case of Nelson P. Vulte v. United States, until the passage of the act of August 24, 1912, quoted below:

"That increase of pay for service beyond the limits of the States comprising the Union and the Territories of the United States contiguous thereto shall be as now provided by law." (Act May 11, 1908.) The effect of this provision is to continue the limitation imposed by the act of June 12, 1906, as to pay for service in Porto Rico and Hawaii. (Comp. Dec., June 2, 1908.) "Provided, That hereafter the laws allowing increase of pay to officers and enlisted men for foreign-service shall not apply to service in the Canal Zone, Panama, or Hawaii or Porto Rico." (Act. Aug. 24, 1912; 37 Stat., 576.)

(b) "The term 'pay proper' means compensation which may properly be designated as 'pay' as distinguished from allowances." (Sup. Ct., Mar. 13, 1905.) But by the comptroller's decision of May 19, 1915 (21 Comp., p. 811) foreign-service pay is computed on base pay, pay for continuous service, and pay for good-conduct medals only.

(c) Enlisted men transferred from ships to foreign shore stations for the purpose of transfer to the United States or for treatment in hospital, if subsequently returned to ship, are not entitled to twenty per centum increase pay during the time ashore or while en route to the United States.

(d) Sea pay: *Provided*, That the increased compensation as now fixed by law for the Marine Corps for foreign shore service shall hereafter be paid to the officers and enlisted men of that corps while on sea duty, in the same manner and under the same conditions as is provided by the act approved May thirteenth, nineteen hundred and eight, for officers of the Navy. (Act Mar. 3, 1915.) Officers and enlisted men are not entitled to sea pay under this act while in confinement awaiting or undergoing trial (Comp. Dec., Aug. 24, 1915, Bu. Memo. 174, p. 3766), nor while on leave or furlough. (See Comp. Dec., June 8, 1915, Bu. Memo. 172, p. 3703.)

Entitled to sea pay for duty performed at sea under orders, though not formally or technically attached to the vessel as part of her complement. (See 22 Comp., 271.)

PAY, AVIATION DUTY.

4. (a) Hereafter enlisted men of the Navy or Marine Corps, while detailed for duty involving actual flying in air craft, shall receive the pay, and the permanent additions thereto, including allowances, of their rating and service, or rank and service, as the case may be, plus fifty per centum increase thereof. (Act Mar. 3, 1915.) This increase is computed on base pay, pay for good-conduct medals, and continuous-service pay only; but not computed on sea or foreign-service pay. (See 22 Comp., p. 11.) Men are entitled to increase while on furlough. (See Bu. Memo. 162, p. 3333.)

(b) The officers detailed and the enlisted men of the Naval Flying Corps shall receive the same pay and allowances that are now provided by law for officers and enlisted men of the same grade or rank and rating in the Navy and Marine Corps detailed to duty with air craft involving actual flying. (Act Aug. 29, 1916.)

(c) Nothing in this act shall be so construed as to prevent the detail of officers and enlisted men of other branches of the Navy as student aviators or student airmen in such numbers as the needs of the service may require. Such officers and enlisted men, while detailed as student aviators and student airmen involving actual flying in air craft, shall receive the same pay and allowances that are now provided by law for officers and enlisted men of the same grade or rank and rating in the Navy detailed for duty with air craft.

ADDITIONAL PAY FOR SPECIAL SERVICE.

5. (a) *Mess sergeant*.—The Army act of May 11, 1908, provides that mess sergeants shall receive \$6 per month in addition to their pay. (Comp. Dec., June 30, 1908.)

(b) *Cooks*.—Privates regularly detailed as cooks shall receive, in addition to the pay otherwise allowed by law, the following: First-class cooks, \$10 per month; second-class cooks, \$8 per month; third-class cooks, \$7 per month; and fourth-class cooks, \$5 per month. (Act Mar. 2, 1907.)

(c) *Gun pointers, messmen, gun captains, mail clerks, signalmen, and holders of good-conduct medals, pins, or bars*.—All enlisted men of the United States Marine Corps regularly detailed as gun pointers, Navy mail clerks, gun captains, messmen, or signalmen, or holding good-conduct medals, pins, or bars, shall receive the same extra compensation, in addition to their monthly pay, as is now or may hereafter be allowed enlisted men of the Navy. Enlisted men of the Marine Corps regularly detailed as messmen, whether for duty afloat or ashore, may be paid additional compensation as provided for enlisted men of the Navy. (R., 4427.) Under the act of May 13, 1908, enlisted men of the Marine Corps are entitled to 10 per cent increase of pay upon each good-conduct medal, pin, or bar held by them. (Comp. Dec., Jan. 19, 1910.)

For particulars as to allowance and detail of mess sergeants, cooks, and messmen, see Marine Corps Orders.

“Provided, That the provisions of the act of May 27, 1908 (35 Stat., 417, 418), as amended by the act of August 24, 1912 (37 Stat., 560), are hereby extended to authorize the designation of enlisted men of the Navy or Marine Corps as Navy mail clerks and assistant Navy mail clerks with expeditionary forces on shore.” (Act Mar. 4, 1917, 39 Stat., 1188.)

(d) *Expert riflemen, sharpshooters, and marksmen*.—“Enlisted men now qualified or hereafter qualifying as expert riflemen shall receive, in addition to their pay, \$5 per month; those qualifying as sharpshooters, \$3 per month, and those qualifying as marksmen, \$2 per month.” (Army act, May 11, 1908.)

(e) *Marine Band for playing at White House and public grounds*.—Members of the Marine Band are allowed \$4 per month in addition to the rates of pay as given above for playing at the White House and public grounds. (Act of Aug. 18, 1856.)

PAY TABLE, MARINE CORPS RESERVE FORCE.

I. *Retainer pay—Enrolled members Fleet Marine Corps Reserve—Class 1 (a) and Class 1 (b)*—

1. *Class 1 (a)*.—The annual retainer pay of officers is two months' base pay of the corresponding rank in the Marine Corps, plus 25 per cent of the base pay for enrolling within three months from the date of last naval service, and for each subsequent enrollment within three months.

2. *Class 1 (b)*.—Retainer pay of enrolled members—enlisted men:

	First enrollment, per annum.	Second enrollment, per annum.	Third enrollment, per annum.	Fourth enrollment, per annum.	Fifth enrollment, per annum.	Sixth enrollment, per annum.	Seventh enrollment, per annum.
(1) Men with less than 8 years' naval service:							
(a) Enrolling after expiration of 3 months from last naval service....	\$50.00	\$62.50	\$75.00	\$87.50	\$100.00	\$112.50	\$125.00
(b) Enrolling within 3 months from expiration of last naval service.....	62.50	75.00	87.50	100.00	112.50	125.00	137.50
(2) Men with 8 or more and less than 12 years' naval service:							
(a) Enrolling after expiration of 3 months from last naval service....	72.00	90.00	108.00	126.00	144.00	162.00	.....
(b) Enrolling within 3 months from expiration of last naval service.....	90.00	108.00	126.00	144.00	162.00	180.00	.....
(3) Men with 12 or more years' naval service:							
(a) Enrolling after expiration of 3 months from last naval service....	100.00	125.00	150.00	175.00	200.00	.....	.....
(b) Enrolling within 3 months from expiration of last naval service.....	125.00	150.00	175.00	200.00	225.00	.....	.....

NOTES.—(a) Enrollment and reenrollment shall be for four years.

(b) Retainer pay is in addition pay for active service.

(c) Retainer pay is payable only on condition that members make such reports as may be required by the Secretary of the Navy.

(d) All members who enroll within three months from the date of their last naval service or reenroll for four years within three months from the date of the termination of their last enrollment shall receive 25 per cent increase on their base retainer pay, provided they have performed the required active service.

(e) Three months' active service under each enrollment is required. This may be taken in one or more periods.

(f) Retainer pay is paid annually or at shorter intervals, as the Secretary of the Navy may direct. The Secretary of the Navy has prescribed that enrolled officers and men of the Fleet Marine Corps Reserve shall be paid quarterly by check by a disbursing officer of the Marine Corps.

(g) In addition to retainer pay all members are, while in active service, entitled to the same pay, allowances, gratuities, etc., as officers and men of the regular service.

(h) All enrolled members are, upon first reporting for active service for training during each enrollment, entitled to credit with a uniform gratuity of \$50 for officers and \$30 for men. Upon reporting for active service in time of war the uniform gratuity is \$150 for officers and \$60 for men, less any amounts previously credited during current enrollment. Should any member voluntarily sever his connection with the service, the amount of this gratuity so credited shall be deducted from any pay due him. Clothing gratuity for men is credited by the Quartermaster Department (see par. 921 et seq., System of Accountability, U. S. M. C.) Class 1 (c) and class 1 (d) do not receive a uniform gratuity. Officers of the Marine Corps Reserve on first reporting for active duty for training, or in time of war, will be paid the proper uniform gratuity on their first pay voucher rendered after so reporting, in accordance with paragraph 283 (14) (b) and (c) of Marine Corps Orders No. 13 (Series 1917). In this connection see comptroller's decision, March 13, 1917.

(i) Members employed in other branches of service, except military service, may receive the pay and allowances incident thereto in addition to their retainer pay.

(j) Retainer pay is \$12 per annum for all reenrolled members who on any previous enrollment failed to perform 3 months' active service, until 3 months' active service is completed.

(k) No member shall be entitled to travel allowance (i. e., Government transportation and subsistence in the case of a man or mileage in the case of an officer) unless the period of such active service (the prescribed three months) is for not less than one month, or unless specifically provided for by such regulations as may be prescribed by the Secretary of the Navy.

(l) Enrolled members who have completed 20 years in the reserve, who have performed the required active service, shall, upon their own application, be retired, and on retirement receive a cash gratuity equal to the total retainer pay during last term of enrollment.

(m) All enrolled members may, in time of peace, or when no national emergency exists, be discharged upon request upon reimbursing the Government for any clothing gratuity that may have been furnished them during their current enrollment.

(n) Men enrolling within three months of the date of discharge from the regular service who reenlist in the regular service within 3 months of the date of discharge from the Fleet Reserve are entitled to gratuity and continuous service pay.

(o) Enrolled members are not subject to the laws and regulations for the government of the Navy, except while in active service. While engaged in actual service for training, or when called to service in time of war or national emergency, their accounts for such service will be carried in the same manner as enlisted men of the regular service, and deduction at the rate of 20 cents per month made for hospital fund under the provisions of section 1614, Revised Statutes. (Comp. Dec., Dec. 27, 1916.)

(p) All the above notes are based on the provisions of the act of August 29, 1916. The text is greatly abbreviated and in case of doubt the original act should be consulted.

II. Retainer pay—Enlisted men voluntarily transferred to the Fleet Marine Corps Reserve—Class 1 (c) and Class 1 (d)—

1. Class 1 (c).—Men transferred to the reserve list on the expiration of a term of enlistment, after completing 16 years of honorable naval service, shall be paid a retainer pay at the rate of one-third of the base pay they were receiving at the close of their last naval service plus the total of all permanent additions thereto. (See act of Aug. 29, 1916; and Comp. Dec. of Sept. 22, 1916—23 Comp., p. 190.)

2. *Class 1 (d).*—Men transferred to the reserve list after completing 20 or more years of naval service shall be paid a retainer at the rate of one-half of the base pay they were receiving at the close of their last naval service plus the total of all permanent additions thereto. (23 Comp., p. 190.)

NOTES.—(a) The retainer pay of class 1 (c) and class 1 (d) shall be increased 10 per cent for all men credited with extraordinary heroism in the line of duty, or in the case of class 1 (d) the retainer pay is increased 10 per cent for those whose average marks in conduct for 20 years or more shall not be less than 95 per cent of the maximum.

(b) The pay of any member of the Fleet Marine Corps Reserve shall be forfeited when so ordered by the Secretary of the Navy upon the failure, under such conditions as may be prescribed by the Secretary of the Navy, of such men to report for inspection.

(c) Members who have established their qualifications by examination may be given warrants as marine gunners, quartermaster clerks, clerks for assistant paymasters, or second lieutenants. This does not deprive them of the pay, allowances, or gratuities to which they would otherwise be entitled.

(d) Members of this class may be retired upon their own request after completing 30 years of service, including all naval and Fleet Marine Corps Reserve service, and when so retired they receive the same pay they were receiving when retired, plus the allowances to which retired enlisted men of the regular Marine Corps are entitled.

(e) Members of this class are continued in the reserve until discharged or retired, and are subject to the laws and regulations for the government of the Navy.

(f) Members of class 1 (c) and class 1 (d) do not receive uniform gratuity.

(g) Members of class 1 (c) and class 1 (d) will be paid monthly by check.

(h) Paragraphs (b), (c), (g), (i), and (k), under notes regarding enrolled members, class 1 (a) and class 1 (b), are also applicable to transferred members class 1 (c) and class 1 (d) of the Marine Corps Reserve.

(i) Hospital fund at the rate of 20 cents per month will be deducted from the retainer pay of transferred members, class 1 (c) and class 1 (d), of the Marine Corps Reserve, at all times. (Comp. Dec., Dec. 27, 1916.)

(j) The accounts of members of this class while engaged in actual service for training, or when called to service in time of war or national emergency, will be carried in the same manner as enlisted men of the regular service, but deduction at the rate of 20 cents per month for hospital fund will not be made from active duty pay as this is to be deducted from the retainer pay at all times. (Comp. Dec., Dec. 27, 1916.)

III. Retainer pay—Class 2, Marine Corps Reserve A—

1. *Class 2 (a).*—Officers; provisional. Annual retainer pay of \$12.

2. *Class 2 (b).*—Officers; confirmed. Annual retainer pay of two months' base pay of the corresponding rank in the Marine Corps.

3. *Class 2 (c).*—Enlisted men; provisional. Annual retainer pay of \$12.

4. *Class 2 (d).*—Enlisted men; confirmed. Annual retainer pay of two months' base pay of the corresponding rank in the Marine Corps.

IV. *Retainer pay, class 4*—Marine Corps Reserve B, is the same in all respects as Class 2, Marine Corps Reserve A.

V. *Retainer pay, Marine Corps Reserve Flying Corps, class 5 (a), (b), (c), and (d),* is the same in all respects as class 2A; and class 5 (e) and (f) is the same as class 1 (c) and (d), respectively. Members of the last two classes do not receive uniform gratuity.

NOTES.—(a) The minimum active service required of members of the Marine Corps Reserve to qualify for confirmation in their rank or rating shall be three months.

(b) All notes in the pay table under "Enrolled Members Fleet Marine Corps Reserve, class 1 (a) and class 1 (b)," except note (n), are applicable to members of the Marine Corps Reserve A and B, and the Marine Corps Reserve Flying Corps, class 2, 4, and 5, respectively.

VI. *Class 6.*—The Volunteer Marine Corps Reserve obligate themselves to serve without retainer pay and uniform gratuity in time of peace. When called to service in time of war or emergency they will become entitled to uniform gratuity as provided for the class in which serving during such time. When on active duty the pay is the same as that of the corresponding rank in the Marine Corps.

In all cases active service pay commences on day of reporting and ceases on date of detachment, both dates inclusive.

Table 84.—APPRAISED VALUE AND REPRODUCTION COST OF INDUSTRIAL PLANTS.

1917.

Depreciation is computed by the "fixed percentage on reducing balance" method on all items in classes 2, 3, 5, and 6 except dry land, water rights, typewriters, computing machines, and motor-propelled vehicles, and the last three items being exempted from the operation of the depreciation reserve owing to the provisions of the naval act approved Aug. 22, 1912, and Aug. 29, 1916, permitting worn-out typewriters, computing machines, and motor-propelled vehicles to be exchanged as a part of the purchase price of new ones. All additions and replacements under classes 4, 7, and 8 being charged directly to expense, no depreciation is computed on plant values under those classes, which remain at first-cost figures. Adjustment between the plant ledgers and cost records in the case of items in classes 4, 7, and 8 are periodically made by physical inventories.

Class.	Classification.	Portsmouth.	Boston.	New York.	Philadelphia.	Washington.	Norfolk.	Charleston.	Mare Island.	Puget Sound.	Total.
2	Land and appurtenances.....	\$2,836,704	\$6,789,146	\$20,470,858	\$11,901,070	\$2,050,783	\$3,973,640	\$809,703	\$1,147,966	\$676,030	\$50,655,960
3	Buildings and structures.....	2,851,076	3,180,546	5,359,902	3,488,843	2,016,410	4,196,080	2,211,449	5,258,171	3,830,603	32,383,080
5	Plant appliances.....	291,062	3,453,013	927,069	371,426	471,518	1,071,682	277,923	678,623	633,535	5,155,851
6	Machinery and machine tools.....	278,210	378,373	610,017	445,319	1,363,064	524,002	275,563	426,216	531,105	4,831,869

REPRODUCTION COST.

This statement shows original or reproduction cost of present property of the yards named by physical classes. It includes industrial, mixed industrial-military, and purely military property. The distribution of property by physical classes and purpose groups is shown in Statement 11. Statement 19 shows total expenditures for original site, irrespective of appreciation, and for all improvements and acquisitions to date, irrespective of dispositions.

Class.	Classification.	Portsmouth.	Boston.	New York.	Philadelphia.	Washington.	Norfolk.	Charleston.	Mare Island.	Puget Sound.	Total.
2	Land and appurtenances.....	\$3,375,500	\$7,983,491	\$22,013,399	\$12,659,900	\$2,636,379	\$4,426,111	\$1,086,703	\$1,971,295	\$1,039,600	\$57,192,278
3	Buildings and structures.....	4,180,000	6,864,040	11,354,322	5,121,600	3,080,676	5,747,572	2,785,372	8,584,262	5,459,986	54,068,170
5	Miscellaneous equipment.....	178,585	403,881	3,387,810	258,928	288,396	386,163	630,400	291,138	319,016	7,897,807
6	Plant appliances.....	578,100	1,031,718	2,394,979	782,100	1,367,914	1,637,183	489,460	1,429,552	1,235,865	10,784,463
7	Machinery and machine tools.....	882,400	1,669,038	2,106,183	1,092,000	3,869,830	1,406,976	553,063	1,247,424	1,071,367	13,828,061
8	Portable power tools.....	28,556	75,740	141,396	78,913	4,029	67,705	21,163	110,621	29,013	633,738
	Loose and hand tools.....	24,338	96,376	243,553	69,944	1,140,187	181,000	15,928	186,270	83,546	2,010,142
	Total.....	9,546,879	19,063,264	41,640,642	20,063,885	13,086,001	13,817,712	5,036,191	13,817,532	9,220,583	144,284,799

1918.

Depreciation is computed by the "fixed percentage on reducing balance" method on all items in classes 2, 3, 5, and 6 except dry land, water rights, typewriters, computing machines, and motor-propelled vehicles, the last three items being exempted from the operation of the depreciation reserve owing to the provisions of the naval acts approved Aug. 22, 1912, and Aug. 29, 1916, permitting worn-out typewriters, computing machines, and motor-propelled vehicles to be exchanged as a part of the purchase price of new ones. All additions and replacements under classes 4, 7, and 8 being charged directly to expense, no depreciation is computed on plant values under those classes, which remain at first-cost figures. Adjustment between the plant ledgers and cost records in the case of items in classes 4, 7, and 8 are periodically made by physical inventories.

Class.	Classification.	Portsmouth.	Boston.	New York.	Philadelphia.	Naval aircraft factory.	Washing-ton.	Norfolk.	Charle-ton.	Mare Island.	Puget Sound.	Cavite.	Olongapo.	Total.
2	Land and appurtenances.....	\$2,894,052	\$7,983,491	\$20,449,820	\$11,852,288	.....	\$2,050,267	\$3,850,003	\$782,113	\$1,379,182	\$664,871	.....	\$274,441	\$32,210,618
3	Buildings and structures.....	2,899,027	3,687,597	4,947,319	3,396,252	.....	2,068,781	4,158,434	2,171,402	4,916,255	3,742,328	.....	757,454	32,744,847
5	Plant appliances.....	413,009	448,414	1,151,498	499,903	85,141	540,054	1,245,545	385,081	850,650	717,300	.....	192,068	6,449,268
6	Machinery and machine tools.....	373,200	516,975	868,711	443,796	44,436	1,529,001	586,149	307,913	414,572	630,572	.....	114,247	5,829,402

REPRODUCTION COST.

This statement shows original or reproduction cost of present property of the yards named by physical classes. It includes industrial, mixed industrial-military, and purely military property. The distribution of property by physical classes and purpose groups is shown in Statement 11. Statement 19 shows total expenditures for original sites, irrespective of appreciation, and for all improvements and acquisitions to date, irrespective of dispositions.

Class.	Classification.	Portsmouth.	Boston.	New York.	Philadelphia.	Naval aircraft factory.	Washing-ton.	Norfolk.	Charle-ton.	Mare Island.	Puget Sound.	Cavite.	Olongapo.	Total.
2	Land and appurtenances.....	\$3,357,463	\$7,983,491	\$22,100,049	\$12,671,594	.....	\$2,061,581	\$4,468,270	\$1,102,303	\$2,198,735	\$1,071,879	\$1,725,462	\$404,006	\$59,775,433
3	Buildings and structures.....	4,268,742	6,890,717	10,060,344	5,130,788	.....	3,998,970	5,894,336	2,793,353	8,883,951	5,473,017	1,001,433	1,669,081	56,694,832
4	Miscellaneous equipment.....	478,585	403,881	3,357,810	258,928	\$10,029	258,386	386,163	84,561	297,809	306,171	76,669	173,461	6,122,453
5	Plant appliances.....	716,983	1,110,380	2,708,275	942,517	5,142	1,246,220	1,915,061	613,423	1,573,906	1,384,470	545,448	428,153	13,189,977
6	Machinery and machine tools.....	992,487	1,762,236	2,398,141	1,134,339	47,119	4,079,952	1,531,933	611,502	1,287,877	1,224,920	178,761	273,734	15,823,001
7	Portable power tools.....	29,556	75,740	141,396	78,914	.....	4,629	62,705	21,165	112,317	20,013	2,288	30,642	2,588,364
8	Loose and hand tools.....	24,338	95,376	243,553	69,944	.....	1,140,187	151,000	15,928	187,792	83,546	3,929	43,647	2,059,240
	Total.....	9,898,154	18,321,821	41,669,568	20,287,023	62,200	13,399,925	14,409,668	5,242,235	14,542,386	9,573,016	3,533,990	3,023,324	153,953,400

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