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Thanks to MCP for contributing this manual.
BROWNING MACHINE GUN,
CAL. .30, M1919A6

Prepared under the direction of the
Chief of Ordnance

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TM 9-206

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BROWNING MACHINE GUN, CAL. .30, M1919A6

Section 1

INTRODUCTION

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1. SCOPE.
   a. This manual is intended to provide information about new materiel. It contains instructions required by the using arms for the identification, use, and care of the Browning Machine Gun, cal. .30, M1919A6. These instructions are supplementary to those given in Field Manual 23-45.

2. DESCRIPTION AND CHARACTERISTICS (figs. 1, 2, and 3).
   a. The Browning Machine Gun, cal. .30, M1919A6 is a belt-fed, air-cooled, recoil-operated machine gun. It can be mounted on either a bipod or tripod mount. If necessary, the bipod leg tubes can be folded to the rear, and the bipod rest legs used as a front support. It is similar to the Browning Machine Gun, cal. .30, M1919A4 model, described in FM 23-45, except for the following modifications:
      (1) A removable metal shoulder stock has been added.
      (2) The cover latch has been modified to provide for easier opening of the cover.
      (3) The driving spring has been lightened to facilitate retracting of the bolt.
      (4) A removable carrying handle has been added for carrying a hot gun.
      (5) The barrel jacket has been modified to mount a front barrel bearing and a removable bipod leg assembly and a lock ring.
      (6) The bolt latch has been removed.

3. DATA.
   Weight of gun with bipod and shoulder stock .......... 32½ lb
   Weight of shoulder stock ................................ 1¾ lb
   Length of barrel ........................................ 24 in.
   Sight graduated to ..................................... 2,400 yd
   Cyclic rate of fire .................................... 400 to 500 rounds per min
   Muzzle velocity:
      Cartridge, armor-piercing, cal. .30, M2 ........... 2,775 ft per sec
      Cartridge, ball, cal. .30, M1 ...................... 2,647 ft per sec
      Cartridge, ball, cal. .30, M2 ...................... 2,805 ft per sec
Figure 3—Browning Machine Gun, Cal. .30, M1919A6—on Tripod M2
4. PRECAUTIONS.
   a. All rust-preventive compound must be removed completely from the gun before firing. To do this, it is necessary to disassemble the gun (FM 23-45 and changes No. 2).
   b. In order to avoid serious burns, do not touch a hot barrel and jacket with bare hands. Always use the carrying handle for carrying a hot gun.
   c. If the barrel becomes overheated after repeated bursts of fire, the gun must be cleared immediately after firing has ceased. If a round is left in the chamber of an overheated barrel, the heat will cause the round to be fired without pulling the trigger.
   d. For additional safety precautions, see FM 23-45.
Section II

OPERATION

Operation and functioning .................................................. 5
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5. OPERATION AND FUNCTIONING.
   a. The Machine Gun M1919A6 functions and is operated in the same manner as the M1919A4 model (FM 23-45).

6. STOPPAGES AND IMMEDIATE ACTION.
   a. For information on stoppages and immediate action, see FM 23-45.

7. DISASSEMBLY AND ASSEMBLY (figs. 4 and 5).
   a. Changing Barrels. To change barrels rapidly:
      (1) Grasp the muzzle end of the barrel (use asbestos mittens if barrel is hot), unscrew the barrel, and slide it out of the barrel jacket.
      (2) Slide a new barrel into the barrel jacket, and screw the barrel into the barrel extension.
      (3) Adjust headspace in accordance with instructions in FM 23-45.
   b. Stock, Bipod, and Carrying Handle.
      (1) To remove the bipod and carrying handle, pry off the lock ring, slide off the bipod leg assembly, and then the carrying handle. To remove the shoulder stock, loosen the wing nut on the clamp assembly and slide the stock with the clamp off the grip.
      (2) To assemble, slide the shoulder stock with clamp assembled onto the grip, and tighten the clamp. Slide the carrying handle and the bipod assembly onto the jacket. Replace the lock ring.
   c. Gun. Further disassembly and assembly of the gun is carried out as described in FM 23-45.

8. AMMUNITION.
   a. Authorized rounds for use with this gun are:
      (1) Cartridge, armor-piercing, cal. .30, M1.
      (2) Cartridge, ball, cal. .30, M1.
      (3) Cartridge, ball, cal. .30, M2.
      (4) Cartridge, dummy, cal. .30, M1906 (corrugated).
      (5) Cartridge, incendiary, cal. .30, M1.
      (6) Cartridge, tracer, cal. .30, M1.

9. ORGANIZATIONAL SPARE PARTS AND ACCESSORIES.
   a. For information on spare parts and accessories, see FM 23-45.
Figure 4 — Front of Gun—Disassembled
10. CARE AND PRESERVATION.

a. See FM 23-45 for the following:

(1) Cleaning and lubrication of machine gun.
(2) Care of machine gun in garrison or camp.
(3) Care of machine gun on the range and in the field (before, during, and after firing).
(4) Preparation of machine gun for storage.
(5) Care of machine gun in tropical climates.
(6) Care of machine gun in arctic climates.
Section IV

REFERENCES

Standard nomenclature lists .......................................................... 11
Explanatory publications ............................................................... 12

11. STANDARD NOMENCLATURE LISTS.
   a. Ammunition, rifle, carbine, and automatic gun ........ SNL T-1
   b. Gun, machine, cal. .30, Browning, M1919A4, fixed
      and flexible; M1919A5, fixed and M1919A6, flexible .... SNL A-6
   c. Maintenance.
      Cleaning, preserving and lubricating materials; re-
      coih fluids, special oils, and miscellaneous related
      items ........................................................................ SNL K-1
      Soldering, brazing and welding material, gases and
      related items ............................................................... SNL K-2
      Truck, small arms repair, M1 ...................................... SNL B-72
      Truck, small arms repair, 2 1/2-ton 6 x 6, M7 and
      M7A1 ........................................................................ SNL G-138
   Current Standard Nomenclature Lists are as tabu-
   lated here. An up-to-date list of SNL's is main-
   tained as the "Ordnance Publications for Supply
   Index" ......................................................................... OPSI

12. EXPLANATORY PUBLICATIONS.
   a. Ammunition.
      Ammunition, general .................................................. TM 9-1900
      Ammunition, small arms ............................................. TM 9-1990
      Small arms ammunition .............................................. OFSB 3-5
   b. Maintenance.
      Chemical decontamination materials and equip-
      ment ........................................................................ TM 3-220
      Cleaning, preserving, lubricating, and welding
      materials and similar items issued by the Ordi-
      nance Department ..................................................... TM 9-850
      Decontamination, 1941 ................................................ TC No. 38
      Defense against chemical attack ................................. FM 21-40
      Field inspection of ordnance materiel by service
      command inspectors in continental U.S. .................... TB 1100-1
      Military chemistry and chemical agents ...................... TM 3-215
   c. Miscellaneous.
      Qualifications in arms and ammunition training al-
      lowances ................................................................ AR 775-10
      Range regulations for firing ammunition for train-
      ing and target practice ............................................. AR 750-10
BROWNING MACHINE GUN, CAL. .30, M1919A6

d. Operation, Functioning, Training.
Basic field manual: Browning machine gun, caliber .30, HB, 1919A4, ground ........................................ FM 23-45

e. Ordnance Storage and Shipment.
Instructions and specifications for packaging ordnance general supplies ........................................ IOSSC-(a)
Instructions for marking shipments of ordnance general supplies ....................................................... IOSSC-(b)
Ordnance storage and shipment chart — group A — major items ....................................................... OSSC-A

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(For explanation of symbols, see FM 21-6.)