

THE BREN LIGHT MACHINE GUN

**DESCRIPTION
USE AND
MECHANISM**

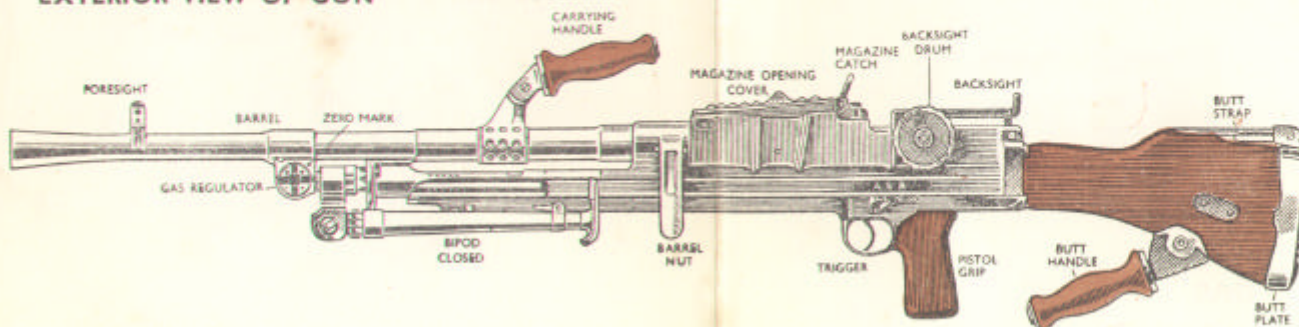
Printed and Published by
GALE & POLDEN LIMITED
ALDERSHOT

Price 1/- net (per post 1/1)

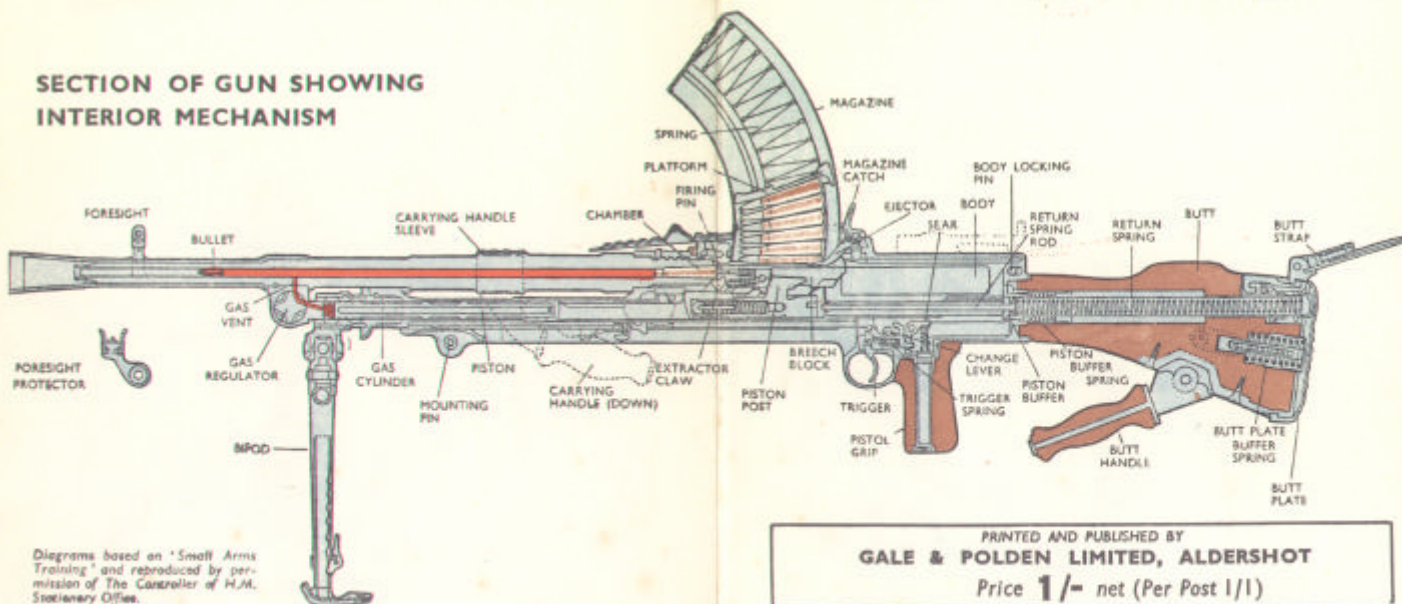
THE BREN LIGHT MACHINE GUN

DESCRIPTION, USE AND MECHANISM

EXTERIOR VIEW OF GUN



SECTION OF GUN SHOWING INTERIOR MECHANISM

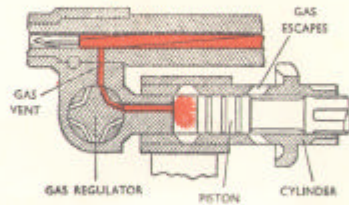


Diagrams based on 'Small Arms Training' and reproduced by permission of The Controller of H.M. Stationery Office.

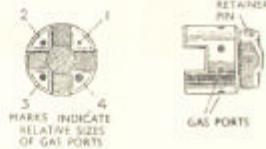
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1 THE GUN IS GAS OPERATED

Some of the gas, formed by the explosion of the cartridge, passes through the GAS REGULATOR and operates the piston

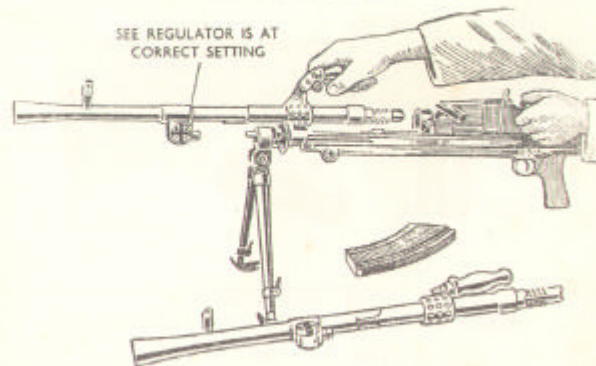


GAS REGULATOR



2 IT IS AIR COOLED

After firing ten magazines at the RAPID rate the barrel should be changed. This operation takes a trained man 6 to 8 seconds.



3 IT IS FED BY A MAGAZINE holding 30 Rounds

AMMUNITION is removed from chargers

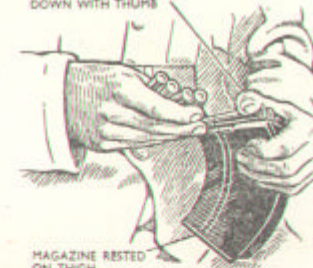
HOLD THE MAGAZINE AND CHARGER IN ONE HAND



GRIP ROUNDS AND REMOVE FROM CHARGER

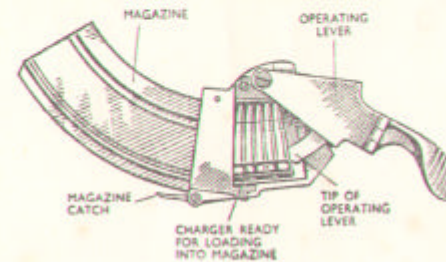
The MAGAZINE can be filled by hand in 40 seconds

EACH ROUND PRESSED DOWN WITH THUMB



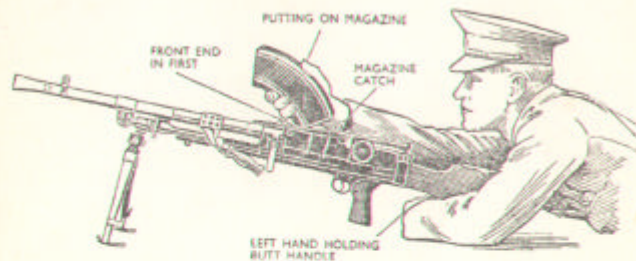
MAGAZINE RESTED ON THIGH

or by the FILLER in 20 seconds

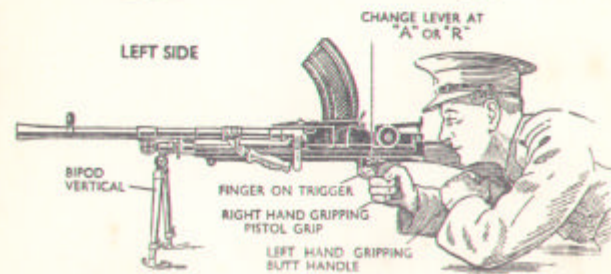
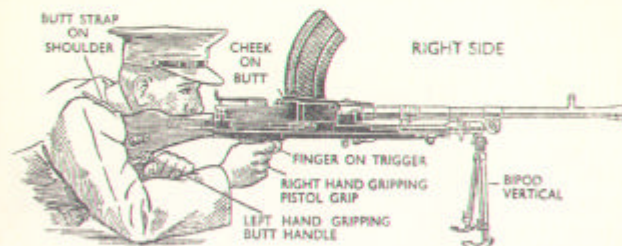


4 LOADING is a SIMPLE OPERATION

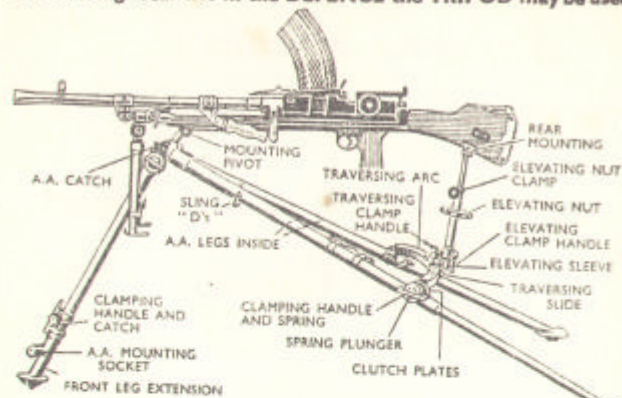
The front end of the magazine is inserted first and then pressed downwards till the catch engages



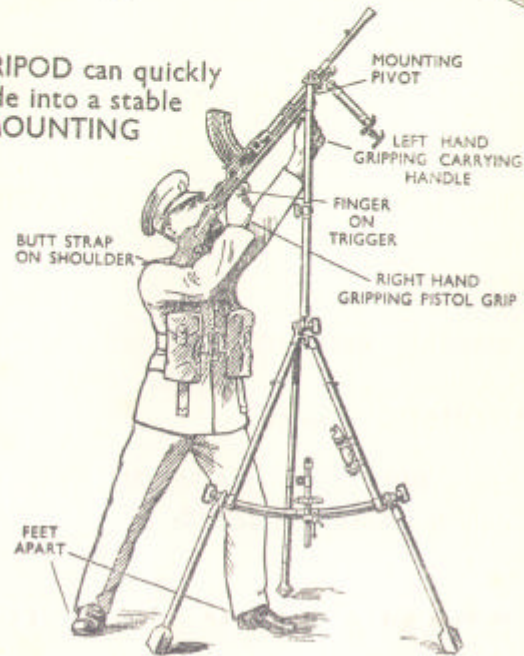
5 THE GUN is shoulder controlled and normally fired from the BIPOD



For covering localities in the DEFENCE the TRIPOD may be used



The TRIPOD can quickly be made into a stable A.A. MOUNTING



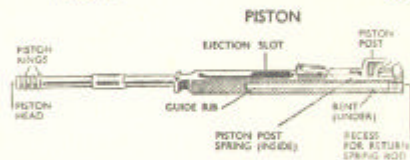
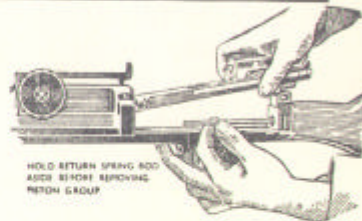
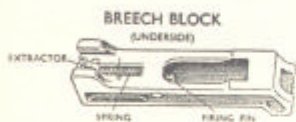
6 IT IS EASY TO STRIP

To strip for cleaning no tools are necessary.

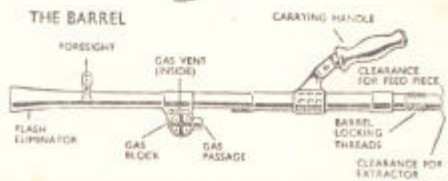
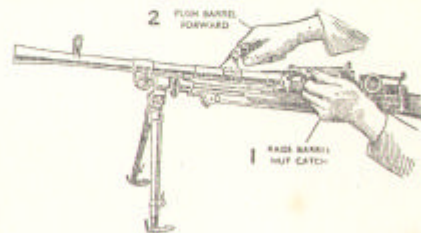
FIRST
Push out
Body locking Pin



NEXT
Remove PISTON GROUP

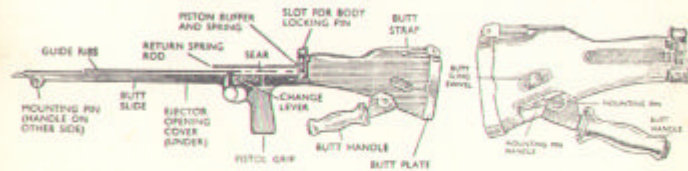
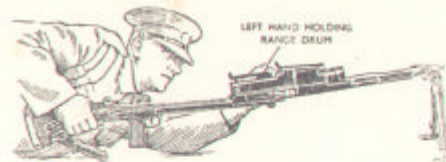


Then the
BARREL



ASSEMBLE IN THE REVERSE ORDER — IT CANNOT BE ASSEMBLED INCORRECTLY

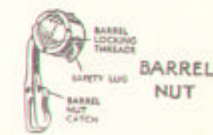
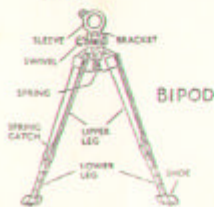
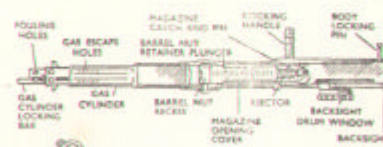
The BUTT GROUP



leaving the BODY GROUP



BODY
GROUP
(Top View)



7 It is practically immune from **STOP-PAGES** provided the firer attends to the points in "**PREPARE FOR ACTION**" which are—

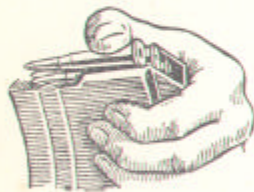
EXAMINE Foresight, GAS REGULATOR, Bipod, Barrel Nut Catch and Backsight.

TEST mechanism to ensure free working.

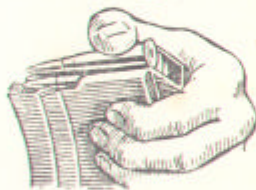
EXAMINE EACH MAGAZINE to see that the top cartridge is correctly positioned.

IMPORTANT—Ensure that cartridges are not rim behind rim.

CORRECT



INCORRECT



REMEMBER! IT IS LIGHT, MOBILE AN

8 THERE IS ONLY ONE "IMMEDIATE ACTION"

If the gun fails to fire or stops firing—

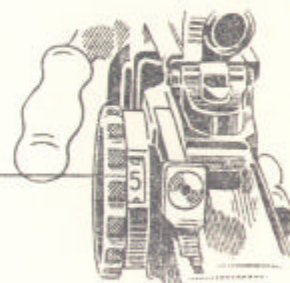
PULL BACK COCKING HANDLE
MAGAZINE OFF
PRESS TRIGGER
MAGAZINE ON*
COCK GUN, AIM AND FIRE

* The magazine which has been removed is examined to see if empty ; if not, that the top rounds are correctly positioned. If the rounds in the magazine are correct and it is reasonably full, the same magazine will be used.

If, after applying I.A., the gun fires one or two rounds and stops again—

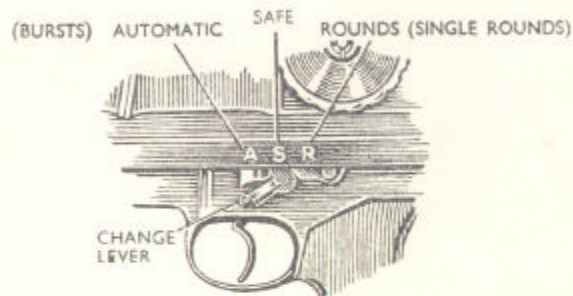
Pull back cocking handle and remove magazine, press trigger, cock gun, disconnect the barrel, and adjust the gas regulator to the next largest hole—replace the barrel—place magazine on, aim and fire.

||
ELEVATION
is obtained by
turning the **500^x**
RANGE DRUM



9 It is capable of firing "BURSTS" or "SINGLE ROUNDS"

by moving the change lever to "A" or "R"



"S" IS SAFE

The NORMAL rate of **AUTOMATIC** is 5 bursts of 4 or 5 rounds, or one **MAGAZINE** per minute.

SINGLE ROUNDS are used to economise ammunition and conceal the presence of an **AUTOMATIC** weapon.

RAPID FIRE (Four **MAGAZINES** per minute) is only for **EMERGENCIES**.

10 THE MECHANISM IS SIMPLE

1. Backward Action. Some of the gases following the bullet pass through the **gas vent** and **gas regulator** into the **gas cylinder**. This forces the **piston** to the rear and compresses the **return spring** until the **piston** is stopped by the **piston buffer**. The empty case, being gripped by the **extractor**, is carried to the rear on the face of the **breech block** until its base meets the **ejector**. The case is then ejected downwards through the **ejection slot** in the **piston**.

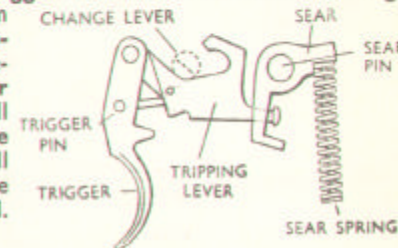
2. Forward Action. The **piston**, carrying the **breech block**, having been stopped by the **piston buffer** is forced forward by the **return spring**. The **feed piece** meets the base of the first round in the **magazine** and forces it forward into the **chamber**, the **extractor** closing over the rim. The **piston post** in its final move forward drives the **firing pin** against the cap of the cartridge, thus firing the round.

3. Trigger Action. With the **change lever** at "**Auto-matic**" pressure on the **trigger** disengages the **sear** from the **bent** on the **piston**, and the **piston** is allowed to go forward. As long as the **trigger** is pressed the gun will continue to fire, but if the **trigger** is released the **bent** will engage with the **sear** the next time the **piston** comes to the rear, stopping its forward movement.

With the **change lever** at "**Rounds**" the **trigger** must be pressed each time a shot is to be fired, because the **piston** is held back after each round.

With the **change lever** at "**Safe**" the **trigger** is disengaged from the **sear**, and the gun cannot be fired.

If pressure on the **trigger** is maintained while the **change lever** is altered from "**Safe**" to "**Auto-matic**" and then released and **trigger** pressed again, gun will not fire. The **change lever**, therefore, will not be altered while the **trigger** is pressed.



D **PRIMARILY A "ONE MAN WEAPON"**