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SMALL ARMS TRAINING
Volume 1, Pamphlet No. 18, 1942

AMENDMENTS (No. 4)

1. Page ii, CONTENTS (as amended by Amendments No. 3 notified in A.C.I. 1645 of 1944).—*Below* last line *insert* :—
Appendix XIV. L.M.G. grouping practices 55
2. Page 5.—*Delete* para. 3 (iii) (d) and *substitute* :—

(d) Light machine guns.—Fire the gun from the tripod, the firer's holding being exactly as it would be if firing from the bipod. Amdt. 4
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Fire a burst of 10 rounds into the bank to warm up the barrel.

Follow this, while the barrel is still hot, with five single rounds. After each single round has been fired, the aim will be *checked* and only relaid when necessary.

The results from a correctly zeroed gun should be :—

Range	Sighting	Position of M.P.I. in relation to point of aim	Permissible variation allowed
100 yds.	200 yds.	5-in. directly above	Not exceeding 2-in. above or below.
25 yds.	200 yds.	1-in. right and 1½-in. high	Not exceeding ½-in. above or below.

If it is necessary to fire a check group after any adjustment, the barrel should again be warmed up prior to firing the group.

After zeroing in this way it will be found that the first few rounds from a cold gun will go high. As the barrel warms up the M.P.I. will gradually drop until it remains steady on the point of aim.

NOTE.—There are four sizes of foresight available to units for adjustment of vertical errors. The difference of one size gives the following alterations to the M.P.I.

At 100 yards 3.48-inches or approximately 3½-inches rise or drop on the target.

At 25 yards 0.87-inch or approximately 1-inch rise or drop on the target.

3. Page 6.—Delete para. 3, iii (f) and substitute :—

(f) P.I.A.T.—The method of making adjustments is as follows :—

Vertical error.—This is corrected by loosening the lock-nut above the foresight bed and unscrewing or screwing up the foresight. As a rough guide, one complete turn of the foresight gives a variation of 8 inches at 50 yards and 12 inches at 70 yards.

Lateral error.—This is corrected by loosening the two small nuts outside the large lock-nut inside the foresight casing and unscrewing or screwing up the axis screw. As a rough guide, one complete turn of the axis screw gives a variation of 8 inches at 50 yards and 18 inches at 70 yards.

The following table gives all other information :—

Conditions	Type of back-sight	Range at which fired	Sighting used	No. of bombs	Target used	Accuracy required
If using live or inert bombs.	Mk. 2	75 yds.	70 yds.	Fire 5 bombs and take the mean.	A large steel plate or derelict tank for live bombs. A 6-ft screen with an aiming mark for practice shot or inert bombs.	Sufficient accuracy to ensure that the centre of the target is hit.
	Mk. 3	50 yds.	50 yds.			
If using practice shot.	Mk. 2	77 yds.	70 yds.			
	Mk. 3	55 yds.	50 yds.			

NOTE.—If using a new weapon, at least six bombs should be fired before zeroing, in order to settle down the spring.

(g) A rifle which in the hands of a skilled firer fails to make a good group will be tested. The standard will be :—

8-inches group at 100 yards ;
2-inches group at 25 yards.

One wide shot to be ignored if so declared.

(h) A L.M.G. which fails to hold a group from the tripod of 6 inches by 8 inches at 100 yards, and 1½ inches by 2 inches at 25 yards, will be tested as laid down in S.A.T. Vol. I, Pamphlet No. 1, para 44, para. 4.

4. Page 14A. Appendix III (as promulgated by Amendments (No. 2) notified in A.C.I. 327 of 1944).

Practice No. 7, column 6.—

Delete “ (a) ” and substitute “ (e) ”.

Column 8, Remarks, insert :—

(e) Round cover. Side of rifle rested.

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5. Page 15. Appendix III (as promulgated by Amendments (No. 2) notified in A.C.I. 327 of 1944).

Practice No. 12, column 6.—

Delete “ (a) ” and substitute “ (d) ”.

Column 8, Remarks, insert :—

(d) Round cover. Side of rifle rested.

6. Page 17. Appendix IV (as promulgated by Amendments (No. 2) notified in A.C.I. 327 of 1944), L.M.G. Course, Part I.

Practice No. 3, column 6.—Delete from “ in ” in line 3 to “ pouch ” in line 4 and substitute “ on ground beside firer ”.

Note 3.—Delete “ firing ” and substitute “ grouping ”.

Add new Note 4 :—

4. Attached at Appendix XIV are two suggested L.M.G. grouping practices. Amdt. 4
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L.M.G. Course, Part II, Practice No. 6, column 6.—Delete from “ in ” in line 3 to “ pouch ” in line 4 and substitute :—

in a utility pouch placed on the ground beside the L.M.G. unbuttoned. Amdt. 4
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NOTE 1.—Delete “ firing and field firing ” and substitute “ grouping and field firing ”.

Add new Note 6 :—

6. Attached at Appendix XIV are two suggested L.M.G. grouping practices. Amdt. 4
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7. Page 45. Appendix IX (as promulgated by Amendments (No. 2) notified in A.C.I. 327 of 1944).

Practice No. 2, column 5.—

Delete “ 10 ” and substitute “ 2 sighters 10 to count ”.

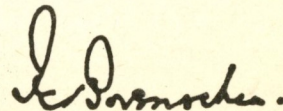
Practice No. 4, column 6.—Delete all detail and substitute :—

Firer to begin at 30 yards, stud at R. Advance to 25 yards and fire two rounds from shoulder. Repeat at 20 yards, set stud at A. Advance to 15 yards and fire one burst from waist. Repeat at 10 yards. Time for firing at each range, 2 seconds (b). Amdt. 4
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8. At end of pamphlet add new Appendix XIV (p. 55) attached hereto.

By Command of the Army Council,

THE WAR OFFICE,
26th April, 1945.



APPENDIX XIV
L.M.G. GROUPING PRACTICES

No.	Practice	Target	Distance in yds.	Rds.	Detail	Remarks
1	Single Rounds	Plain screen with 1-in. black aiming mark.	25	5	The five rounds to be fired singly at the same aiming mark. OBJECT :— To test accuracy of aim combined with trigger pressing.	} Scoring :— None — but position and shape of groups will be criticized.
2	Automatic firing.	Plain screen with 1-in. black aiming mark.	25	10	To be fired in bursts of four or five rounds, each at different aiming marks. OBJECT :— To practise holding, aiming and regulating length of burst.	

Notes.—1. At 25 yds. sights should be set at the elevation required to hit 1-in. right and $1\frac{1}{4}$ -in. high of the point of aim.

2. The above practices although designed for the 30-yds. range, may be fired at 100 yds. if desired.