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REGULATIONS
FOR
Army Ordnance Services
PART II

PAMPHLET No. 13

Notified in Army Orders for November, 1937

1937

**PROCEDURE FOR EXAMINATION OF LAND
SERVICE ORDNANCE**

By Command of the Army Council,



THE WAR OFFICE,
30th November, 1937.

**REPRINTED WITH ALL AMENDMENTS PROMUL-
GATED UP TO AND INCLUDING AUGUST, 1941**

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REGULATIONS FOR ARMY ORDNANCE SERVICES,

Part II

Pamphlet No. 13

(This edition supersedes the edition issued with Army Order 310 of 1926, with all published amendments thereto.)

PROCEDURE FOR EXAMINATION OF LAND SERVICE ORDNANCE

1. All land service ordnance and ordnance with the Royal Air Force will be examined by the O.M.E., or failing him, by the I.O.O.

When guns with units and fixed armaments require examination, the O.C. will submit Army Form G 875 (or G 875A in the case of mortars) in triplicate, with the memorandum of examination, to the D.A.D.O.S., who will make arrangements for the examination to be carried out by the O.M.E. or, failing him, the I.O.O. On completion of the examination, the O.M.E. or I.O.O. will enter the sentence on, and sign, all three forms. He will pass the original, and the memorandum of examination if the gun is serviceable, direct to the officer in charge of the gun, for transmission to the O.C.; the other two copies, with impressions when considered necessary, will be forwarded to the C.I.A., Woolwich.

The C.I.A. will confirm the sentence passed on the gun (or re-sentence it as he thinks fit), retain one copy of the army form and return the other to the D.A.D.O.S., who will retain it after passing to the O.C. to note.

In the case of guns on R.A.O.C. or C.O.O. charge it will be necessary to complete only two copies of Army Form G 875, or G 875A, both of which should be forwarded to the C.I.A., who will retain one copy and return the other, after confirming the sentence on the guns, through the War Office (M.G.O. 10) to the D.A.D.O.S. or the C.O.O.

In the event of the gun being sentenced other than serviceable, the memorandum of examination (with impressions)

should always accompany the Army Form G 875 sent to the C.I.A., who will return it to the D.A.D.O.S. or the C.O.O.

2. The C.I.A. may send one of his examiners to confirm the state of a piece in home commands and depots when he considers it necessary, and facilities should be afforded him on such occasions.

3. When ordnance which is found to be unserviceable, or which requires repair, is mounted in an important position, or if local circumstances render its immediate exchange necessary, it will, if practicable, be at once exchanged by the D.A.D.O.S., on the indent of the O.C., approved by the G.O.C. In such cases the indent, after being complied with, will be forwarded by the D.A.D.O.S. to the War Office.

4. In districts at home in which there is no O.M.E. or I.O.O., the A.D.O.S., or the C.O.O., will forward indents to the C.I.A., who will arrange for the examination to be carried out and, if necessary, send an examiner to the station.

5. At stations abroad where there is no O.M.E. or I.O.O., the examination of ordnance will be carried out under the direction of the O.C., who will report the result of the examination direct to the C.I.A. (forwarding impressions if necessary) for final sentence.

6. Ordnance in charge of corporations and other public bodies, except Trinity House, will be examined locally, under special indent from the body concerned to the G.O.C. of the district.

7. The Elder Brethren of Trinity House apply direct to the C.I.A. when guns on their charge require examination.

8. Should any of the ordnance referred to in paras. 6 and 7 be sentenced for repair, the persons in charge will be furnished with particulars of the defects and an estimate of the cost of repairing them as laid down for service ordnance, and will be asked whether the work should be done at their expense. The cost of all inspections and repairs of such guns will be recovered locally.

9. In the case of guns examined and repaired for Trinity House, the total cost (as ascertained by cost accounts) will be charged.

As the C.I.A. is responsible for the examination and repair of these guns, all charges in connection therewith will be forwarded to him direct.

10. In order to obtain uniformity in sentencing ordnance, the following procedure will be adopted :—

- (a) All ordnance requiring repairs or essential modifications will be sentenced "provisionally condemned" details of the repairs or modifications necessary being given.
- (b) All ordnance requiring modifications not catered for under (a) will be sentenced serviceable.
- (c) Ordnance will only be sentenced unserviceable when it is obviously unsuitable for repair.

In all cases where ordnance is sentenced as other than "serviceable" the reason should be stated on the Army Form G 875 or G 875A.

If any rust or burrs are present, the preliminary sentence under column 8 of Army Form G 875 will call for their removal, but the ordnance will not in this column be provisionally condemned for this reason, unless the rust or burrs will, in the opinion of the O.M.E., interfere with the working of the piece. All rust and burrs, however, must be removed before ordnance is sentenced serviceable under column 9 of Army Form G 875 or G 875A.

If any parts necessary to form a complete store are missing, the store must be sentenced as at (a). In this connection the mechanism and the gun or howitzer body will be considered as separate stores.

Only those repairs and modifications should be carried out in the service for which special instructions are contained in List of Changes in War Material or War Office letter. Although only essential modifications are insisted on before ordnance is sentenced serviceable, nevertheless any other approved modifications not coming under this heading should be carried out where local facilities exist.

The following definitions are given for information :—

Repair A repair is the renovation of an item to restore it to plan dimensions.

Modification .. A modification is an alteration to pattern made on approval.

In amplification of (a), (b) and (c) above :—

↑ = Serviceable for firing or ready for issue to a unit.

P.C. = Provisionally condemned. A gun which is not in its present condition serviceable for firing or issue to a unit, i.e., it requires repair or essential modification.

"Unserviceable" should be written in full when guns are so sentenced.

Essential modifications may be defined as modifications without which the serviceability of the piece is affected.

11. Where there are serious defects or there is any doubt as to the serviceability, the gun will be provisionally condemned pending the decision of the C.I.A. Confirmation of the sentence will always be given by the C.I.A.

12. Accidents and abnormal explosions in guns will be reported to the C.I.A.

The guns should be examined afterwards and results forwarded to the C.I.A.

An impression taken of an accidental defect to a gun must not be destroyed until the gun is finally sentenced, and, except in obviously trivial cases, an impression of a defect should be forwarded with the report.

13. The maximum number of rounds for which a gun may be sentenced and after which it must be examined is as shown in Table " A " at the end of this pamphlet.

14. Saluting and time guns should be visually examined every year and fully examined every four years. Guns stamped with the inscription " For saluting purposes only " need not, however, be fully examined every four years. A visual examination every year will suffice for such guns.

The results of these examinations should be reported to the C.I.A. on Army Form G 875, as for other guns.

15. Where there is any appearance of defects likely to develop rapidly, or likely to reach the limit before another complete series, or where the O.M.E. or I.O.O. is in doubt as to sentencing a gun for a complete series, he may sentence the gun for a smaller number of rounds, provided that the number exceeds the number for a half series and is not less than 15 rounds (equivalent full charges).

In such cases he should send impressions, and measurements if necessary, to the C.I.A. for adjudication.

16. When the O.M.E. or I.O.O. is in doubt as to the nature or importance of any defect, and when circumstances permit, it is well to fire a few rounds and then take another impression. If, on comparing this with the first, the defect does not appear to have increased, the gun may be considered serviceable for another series of rounds.

17. In sentencing a gun an estimate should be made of the number of full charges which it is capable of firing before condemnation, and, if the O.M.E. or I.O.O. is of opinion that the gun will not fire a complete series, he should draw attention

to the fact in his report of examination on Army Form G 875, and the D.A.D.O.S. should take steps to have a reserve gun in readiness to replace it.

18. In estimating the life of all guns (other than guns and howitzers for which special values are provided as indicated in the memorandum of examination), rounds should be reduced to full as follows (powder and cordite charges being totalled together and considered of equal value):—

1 proof = 2 full.

1 full = 4 threequarter = 16 half.

Each round fired with paper shot is to be assessed as one equivalent full charge if the round is designed to produce a service length of recoil.

19. Examinations will invariably be noted on the memorandum of examination.

20. All forms recording sentences or reports on ordnance should be signed in full by the O.M.E. or I.O.O.

21. When a new breech screw, breech block, obturator, vent axial or lock is taken into use, a note to that effect should be made on the memorandum of examination. Similarly the numbers of the jacket and/or breech ring of loose liner or loose barrel guns, when exchanged, will be entered on the memorandum of the liner or barrel concerned.

22. No modification or repairs effected to any part of the ordnance under authority of List of Changes in War Material or War Office letter will be recorded in the memorandum of examination, but those *not* carried out will be reported to the C.I.A. on A.F. G 831 after every examination of ordnance.

23. The C.I.A. may be referred to direct on any question regarding the technical details of the examination, as laid down in Regulations for Army Ordnance Services, Part I.

24. Should a gun be reported for bad shooting, it should be carefully examined, and, if necessary, provisionally condemned. A full report of examination, with a complete set of measurements of bore and chamber, together with a full set of impressions, should be forwarded to the C.I.A., in accordance with para. 1 of this pamphlet.

In this connection the carriage or mounting should also be examined to confirm that the cause of inaccurate shooting of the gun is not associated with the equipment.

TABLE A

SERIES OF ROUNDS AFTER WHICH LAND SERVICE GUNS,
HOWITZERS AND MORTARS WILL BE EXAMINED.

NATURE	MARK	No. of equivalent full rounds †
Guns—		
B.L. 15-in.	I	25
B.L. 14-in.	VI	25
B.L. 9·2-in.	IX, X, XV and X*	25
B.L. 9·2-in.	XIII	50†
B.L. 6-in.	VII and VII*	50
B.L. 6-in.	XIX	100†
B.L. 6-in.	XXI	50
Q.F. 6-in.	II	100
B.L. 60-pr.	I to II*	100
Q.F. 4·7-in.	III to IV*	100
Q.F. 4-in.	III	100
Q.F. 3·45-in.	I	500
Q.F. 18-pr.	I to II*, IV, IVA and IVB	500†
Q.F. 13-pr. 6-cwt.	I to III	500†
Q.F. 12-pr. 12-cwt.	I to II*	300†
Q.F. 3-in. 20-cwt.	I to I***, III, III*, IA, IB and IIIA	300†
Q.F. Hotchkiss, 6-pr. 6-cwt.	II	200
Q.F. Hotchkiss, 6-pr. 8-cwt.	I and II	200
Q.F. 6-pr. 10-cwt.	I	200
Q.F. Nordenfelt, 6-pr.	III	200
Q.F. 3-pr. 2-cwt.	I and II	200
Q.F. 2-pr.	IX and X	200
Sub-calibre, Q.F. 3-pr.	All Marks	200
Sub-calibre, Q.F. 6-pr.	I	200
Sub-calibre, Q.F. 2-pr., low angle	I	500
Howitzers—		
B.L. 18-in.	I	50
B.L. 12-in.	III, IV and V	50
B.L. 9·2-in.	I and II	50
B.L. 8-in.	VIII	100†
B.L. 6-in. 26-cwt.	I	200†
Q.F. 4·5-in.	I and II	300†
Q.F. 3·7-in.	I	500†
Mortars—		
Q.F. 3·7-in.	I	150
M.L. 3-in.	II	250
M.L. 2-in.	I	250

† The actual total number of rounds between examinations must not exceed five times the number of equivalent full rounds.

‡ When scoring begins in these guns, the series for subsequent examinations will be half this number.

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HOWITZERS AND MORTARS WILL BE EXAMINED.

NATURE	MARK	No. of equivalent full rounds †
Guns—		
B.L. 15-in.	I	25
B.L. 14-in.	VI	25
B.L. 9-2-in.	IX, X, X ^v and X*	25
B.L. 9-2-in.	XIII	50†
B.L. 6-in.	VII and VII ^v	50
B.L. 6-in.	XIX	100†
B.L. 6-in.	XXI	50
Q.F. 6-in.	II	100
B.L. 60-pr.	I to II*	100
Q.F. 4-7-in.	III to IV*	100
Q.F. 4-in.	III	100
Q.F. 3-45-in.	I	500
Q.F. 18-pr.	I to II*, IV, IVA and IVB	500†
Q.F. 13-pr. 6-cwt.	I to III	500†
Q.F. 12-pr. 12-cwt.	I to II*	300†
Q.F. 3-in. 20-cwt.	I to I***, III, III*, IA, IB and IIIA	300†
Q.F. Hotchkiss, 6-pr. 6-cwt.	II	200
Q.F. Hotchkiss, 6-pr. 8-cwt.	I and II	200
Q.F. 6-pr. 10-cwt.	I	200
Q.F. Nordenfelt, 6-pr.	III	200
Q.F. 3-pr. 2-cwt.	I and II	200
Q.F. 2-pr.	IX and X	200
Sub-calibre, Q.F. 3-pr.	All Marks	200
Sub-calibre, Q.F. 6-pr.	I	200
Sub-calibre, Q.F. 2-pr., low angle	I	500
Howitzers—		
B.L. 18-in.	I	50
B.L. 12-in.	III, IV and V	50
B.L. 9-2-in.	I and II	50
B.L. 8-in.	VIII	100†
B.L. 6-in. 26-cwt.	I	200†
Q.F. 4-5-in.	I and II	300†
Q.F. 3-7-in.	I	500†
Mortars—		
Q.F. 3-7-in.	I	150
M.L. 3-in.	II	250
M.L. 2-in.	I	250

† The actual total number of rounds between examinations must not exceed five times the number of equivalent full rounds.

‡ When scoring begins in these guns, the series for subsequent examinations will be half this number.

26
Publications
3695

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**REGULATIONS FOR ARMY
ORDNANCE SERVICES, PART II**

PAMPHLET No. 13, 1937

57
General
2229

AMENDMENTS (No. 2A)

Page 7. *For para. 18 substitute :—*

Amdt. 2A
Feb., 1942

18. In estimating the life of all ordnance, rounds should be reduced to full in accordance with **TABLE B.** Each round fired with paper shot is to be assessed as one equivalent full charge if the round is designed to produce a service length of recoil.

57
General
2229

Notified in A.C.Is. 30th July, 1941

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26
Regulations
2106

**REGULATIONS FOR ARMY
ORDNANCE SERVICES, PART II**

PAMPHLET No. 13, 1937

AMENDMENTS (No. 1A)

Page 5. Para. 10. Line 28. *After* "Material"
insert "or War Office letter".

Page 7. *Delete* para. 22 and *substitute* :—

26
Regulations
2106

22. No modification or repairs effected to any part of the ordnance under authority of List of Changes in War Material or War Office letter will be recorded in the memorandum of examination, but those *not* carried out will be reported to the C.I.A. on A.F. 0831 after every examination of ordnance.

Amdt. 1A
July, 1941

By Command of the Army Council,



THE WAR OFFICE,
30th July, 1941.

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Page 8. *Insert* new table :—Amdt. 2A
Feb., 1942

TABLE B

57
General
2229VALUE OF CHARGES EXPRESSED IN TERMS OF
EQUIVALENT FULL CHARGES*Note.*—For particulars of Naval ordnance employed
in Land Service, *see* end of table.

Nature of Ordnance	Mark	E.F.C. value of various charges
Guns—		
B.L. 15-in.	I	1 proof charge=2 E.F.C. 1 full charge=1 E.F.C. 4 $\frac{3}{4}$ charges=1 E.F.C. 16 $\frac{1}{2}$ charges=1 E.F.C. 1 proof charge=2 E.F.C. 1 full charge=1 E.F.C. 1 super-charge = 1.125 E.F.C.
B.L. 14-in.	VI	
B.L. 9.2-in.	X, Xv and X*	
B.L. 9.2-in.	XIII	
B.L. 6-in.	VII* and XXIV	
B.L. 6-in.	VII, VIIv and XXI	4 $\frac{3}{4}$ charges=1 E.F.C. 16 $\frac{1}{2}$ charges=1 E.F.C. Cordite M.C., M.D. or R.D.B.16— 1 proof charge=1 E.F.C. 1 1st charge=0.238 E.F.C. 1 2nd charge=1 E.F.C. 1 super-charge=1.7 E.F.C. 1 proof charge=2 E.F.C. 1 H.V. full charge=2 E.F.C. 1 full charge=1 E.F.C. 4 H.V. $\frac{3}{4}$ charges=1 E.F.C. 16 $\frac{1}{2}$ charges=1 E.F.C. 1 proof charge=2 E.F.C. 1 full charge=1 E.F.C. 16 $\frac{1}{2}$ charges=1 E.F.C. 1 proof charge=2 E.F.C. 1 full charge=1 E.F.C. 4 $\frac{3}{4}$ charges=1 E.F.C. 16 $\frac{1}{2}$ charges=1 E.F.C. 1 proof charge=2 E.F.C. 16 1st charges cordite W.057 =1 E.F.C.
B.L. 6-in.	XIX	
B.L. 5.5-in.	III	
B.L. 5.5-in.	III	
B.L. 5.5-in.	III	
B.L. 5.5-in.	III	32 1st charges cordite R.D.Q.045=1 E.F.C. 8 2nd charges cordite W.057=1 E.F.C.

TABLE B—continued

Nature of Ordnance	Mark	E.F.C. value of various charges
Guns— <i>contd.</i>		
B.L. 5.5-in.— <i>cont.</i> ...	III— <i>cont.</i>	16 2nd charges cordite R.D.Q.045=1 E.F.C. 4 3rd charges cordite W.098=1 E.F.C. 8 3rd charges cordite R.D.Q.158-048=1 E.F.C. 1 4th charge cordite W.098 =1 E.F.C. 2 4th charges cordite R.D.Q.158-048=1 E.F.C. 1 proof charge=2 E.F.C. 1 full charge=1 E.F.C. 4 $\frac{3}{4}$ charges=1 E.F.C. 16 $\frac{1}{2}$ charges=1 E.F.C.
B.L. 60-pr. ...	I to II*	1 proof charge=2 E.F.C. 16 1st charges=1 E.F.C. 4 2nd charges=1 E.F.C. 1 3rd charge=1 full charge =1 E.F.C. 1 proof charge=2 E.F.C. 1 full charge=1 E.F.C. 4 $\frac{3}{4}$ charges=1 E.F.C. 16 $\frac{1}{2}$ charges=1 E.F.C.
B.L. 4.5-in. ...	I, I* and II	1 proof charge=2 E.F.C. 1 full charge=1 E.F.C. 4 $\frac{3}{4}$ charges=1 E.F.C. 16 $\frac{1}{2}$ charges=1 E.F.C. 1 proof charge=2 E.F.C. 1 full charge=1 E.F.C. 4 reduced charge practice charges=1 E.F.C. 16 burst short practice charges=1 E.F.C.
Q.F. 4.7-in. ...	III to IV*	1 proof charge=2 E.F.C. 1 full charge=1 E.F.C. 4 $\frac{3}{4}$ charges=1 E.F.C. 16 $\frac{1}{2}$ charges=1 E.F.C. 1 proof charge=2 E.F.C. 1 full charge=1 E.F.C. 4 reduced charge practice charges=1 E.F.C.
Q.F. 4.5-in. ...	II	1 proof charge=2 E.F.C. 1 full charge=1 E.F.C. 4 reduced charge practice charges=1 E.F.C.
Q.F. 3.7-in. ...	I, II and III	16 burst short practice charges=1 E.F.C. 1 proof charge=2 E.F.C. 16 1st charges=1 E.F.C. 4 2nd charges=1 E.F.C. 1 3rd charge=1 E.F.C. 1 proof charge=2 E.F.C. 1 super-charge=2 E.F.C.
Q.F. 3-in. 20-cwt. ...	I to I***, IA, IB, III, III* and IIIA	16 1st charges=1 E.F.C. 4 2nd charges=1 E.F.C. 1 3rd charge=1 E.F.C.
Q.F. 25-pr. ...	I	1 proof charge=2 E.F.C. 16 1st charges=1 E.F.C. 4 2nd charges=1 E.F.C. 1 3rd charge=1 E.F.C. 1 proof charge=2 E.F.C. 1 super-charge=2 E.F.C.
Q.F. 25-pr. ...	II	16 1st charges=1 E.F.C. 4 2nd charges=1 E.F.C. 1 3rd charge=1 E.F.C.
Q.F. 18-pr. ...	I to II*	
Q.F. 13-pr. 6-cwt. ...	I to III	
Q.F. 12-pr. 12-cwt. ...	I to IV	
Q.F. Hotchkiss, 6-pr. 6-cwt. ...	II	1 proof charge=2 E.F.C. 1 full charge=1 E.F.C. 4 $\frac{3}{4}$ charges=1 E.F.C. 16 $\frac{1}{2}$ charges=1 E.F.C.
Q.F. Hotchkiss, 6-pr. 8-cwt. ...	I and II	
Q.F. Hotchkiss, 6-pr. sub-calibre ...	I	
Q.F. 6-pr. 10-cwt. ...	I	1 proof charge=2 E.F.C. 1 full charge=1 E.F.C. 16 reduced charges=1 E.F.C.

TABLE B—continued

Nature of Ordnance	Mark	E.F.C. value of various charges
Guns—contd.		
Q.F. 6-pr. 7-cwt. ...	I, II and III	1 proof charge=2 E.F.C. 1 full charge=1 E.F.C. 4 $\frac{3}{4}$ charges=1 E.F.C. 16 $\frac{1}{8}$ charges=1 E.F.C.
Q.F. Nordenfelt, 6-pr. ...	III	
Q.F. 3-pr. 2-cwt. ...	I and II	
Q.F. 3-pr. sub-calibre ...	All Marks	
Q.F. 2-pr. ...	II, IX to XA	
Q.F. 2-pr. sub-calibre, low angle ...	I	
Q.F. 75-mm. ...	I	
Q.F. 37-mm. ...	I	
Q.F. 2-pr. ...	VIII	
Q.F. 40-mm. ...	I	
Howitzers—		
B.L. 18-in. ...	I	1 proof charge=2 E.F.C. Cordite M.C., M.D. or R.D.B.16— 1 1st charge=0.02 E.F.C. 1 2nd charge=0.032 E.F.C. 1 3rd charge=0.046 E.F.C. 1 4th charge=0.062 E.F.C. 1 5th charge=0.095 E.F.C. Cordite M.D. or R.D.B.26— 1 6th charge=0.175 E.F.C. 1 7th charge=0.325 E.F.C. 1 8th charge=0.7 E.F.C. 1 9th charge=1 E.F.C. N.C.T.7— 1 1st charge=0.03 E.F.C. 1 2nd charge=0.04 E.F.C. 1 3rd charge=0.06 E.F.C. 1 4th charge=0.08 E.F.C. 1 5th charge=0.11 E.F.C. 1 6th charge=0.17 E.F.C. Cordite M.D. or R.D.B.8— 1 1st charge=0.02 E.F.C. 1 2nd charge=0.03 E.F.C. 1 3rd charge=0.05 E.F.C. 1 4th charge=0.06 E.F.C. 1 5th charge=0.08 E.F.C. 1 6th charge=0.1 E.F.C. Cordite M.D. or R.D.B.16— 1 7th charge=0.3 E.F.C. 1 8th charge=0.41 E.F.C. 1 9th charge=0.55 E.F.C. 1 10th charge=0.71 E.F.C. 1 11th charge=1 E.F.C. N.C.T.19— 1 1st charge=0.07 E.F.C. 1 2nd charge=0.16 E.F.C. 1 3rd charge=0.33 E.F.C. 1 4th charge=1 E.F.C.
B.L. 12-in. ...	III and V	
B.L. 9.2-in. ...	I	

TABLE B—continued

Nature of Ordnance	Mark	E.F.C. value of various charges
Howitzers— <i>contd.</i>		N.C.T.22— 1 1st charge=0.07 E.F.C. 1 2nd charge=0.17 E.F.C. 1 3rd charge=0.34 E.F.C. 1 4th charge=1 E.F.C.
B.L. 9.2-in.— <i>cont.</i> ...	I— <i>cont.</i>	Cordite M.D.T.20—10— Cartridge made up in 4 parts— 1 1st charge=0.08 E.F.C. 1 2nd charge=0.17 E.F.C. 1 3rd charge=0.3 E.F.C. 1 4th charge=1 E.F.C. Cartridge made up in 3 parts— 1 1st charge=0.097 E.F.C. 1 2nd charge=0.25 E.F.C. 1 3rd charge=1 E.F.C.
B.L. 9.2-in. ...	II	N.C.T.19— 1 1st charge=0.02 E.F.C. 1 2nd charge=0.04 E.F.C. 1 3rd charge=0.07 E.F.C. 1 4th charge=0.15 E.F.C. 1 5th charge=0.45 E.F.C. 1 6th charge=1 E.F.C. Cordite M.D.T. or R.D.B.T. 20—10— 1 1st charge=0.03 E.F.C. 1 2nd charge=0.05 E.F.C. 1 3rd charge=0.08 E.F.C. 1 4th charge=0.15 E.F.C. 1 5th charge=0.45 E.F.C. 1 6th charge=1 E.F.C. 1 super-charge=1.8 E.F.C.
B.L. 8-in. ...	VIII	N.C.T.16— 1 1st charge=0.03 E.F.C. 1 2nd charge=0.04 E.F.C. 1 3rd charge=0.06 E.F.C. 1 4th charge=0.3 E.F.C. 1 5th charge=0.55 E.F.C. 1 6th charge=1 E.F.C. Cordite M.D. or R.D.B.8— 1 1st charge=0.02 E.F.C. 1 2nd charge=0.04 E.F.C. 1 3rd charge=0.06 E.F.C. 1 4th charge=0.29 E.F.C. 1 5th charge=0.6 E.F.C. 1 6th charge=1 E.F.C. 1 proof charge=2 E.F.C.
B.L. 7.2-in. ...	I	16 1st charges=1 E.F.C. 8 2nd charges=1 E.F.C. 4 3rd charges=1 E.F.C. 1 4th charge=1 E.F.C.

TABLE B—continued

Nature of Ordnance	Mark	E.F.C. value of various charges
Howitzers—cont.		N.C.T.16— 1 1st charge=0.04 E.F.C. 1 2nd charge=0.08 E.F.C. 1 3rd charge=0.20 E.F.C. 1 4th charge=1 E.F.C. 1 super-charge = 1.25 E.F.C.
B.L. 6-in. 26-cwt. ...	I	Cordite M.D.7 or R.D.B.8— 1 1st charge=0.05 E.F.C. 1 2nd charge=0.1 E.F.C. 1 3rd charge=0.25 E.F.C. 1 4th charge=1 E.F.C. 1 super-charge = 1.25 E.F.C.
		Cordite W.057 or 054— 1 1st charge=0.05 E.F.C. 1 2nd charge=0.1 E.F.C. 1 3rd charge=0.25 E.F.C. 1 4th charge=1 E.F.C.
Q.F. 4.5-in. ...	I and II	1 proof charge=2 E.F.C.
Q.F. 3.7-in. ...	I	1 1st charge } Each charge 1 2nd charge } fired classi- 1 3rd charge } fied as equal 1 4th charge } to 1 full 1 5th charge } charge.
Q.F. 3-in. ...	I and IA	1 proof charge=2 E.F.C. 1 full charge=1 E.F.C. 4 $\frac{3}{4}$ charges=1 E.F.C. 16 $\frac{1}{2}$ charges=1 E.F.C.
Mortars—		1 proof charge=2 E.F.C.
Q.F. 3.7-in. ...	I	1 full charge=1 E.F.C. 4 $\frac{3}{4}$ charges=1 E.F.C. 16 $\frac{1}{2}$ charges=1 E.F.C.
M.L. 3-in. ...	II	All charges fired classified as equal to 1 full charge.
M.L. 2-in. ...	II to IV and VII	

TABLE B—continued
Naval Guns employed in Land Service

Nature of Ordnance	Mark	E.F.C. value of various charges
Guns—		
B.L. 8-in.	VIII	{ 1 proof charge=2 E.F.C. 1 full charge=1 E.F.C. 4 $\frac{3}{8}$ charges=1 E.F.C. 4 $\frac{3}{8}$ charges=1 E.F.C. 16 $\frac{1}{2}$ charges=1 E.F.C. 16 blank charges=1 E.F.C. 16 star shell charges=1 E.F.C.
B.L. 7.5-in.	VI	
B.L. 6-in.	XI, XI* and XIII	
B.L. 6-in.	XII, XIIA and XIIB	{ 1 stick bomb charge=1 E.F.C. 1 proof charge=2 E.F.C. 1 full charge=1 E.F.C. 4 $\frac{3}{8}$ charges=1 E.F.C. 8 $\frac{3}{8}$ charges=1 E.F.C. 16 $\frac{1}{2}$ charges=1 E.F.C. 16 blank charges=1 E.F.C. 16 star shell charges=1 E.F.C. 1 stick bomb charge=1 E.F.C.
B.L. 5.5-in.	I	{ 1 proof charge=2 E.F.C. 1 full charge=1 E.F.C. 4 $\frac{3}{8}$ charges=1 E.F.C. 4 $\frac{3}{8}$ charges=1 E.F.C. 16 $\frac{1}{2}$ charges=1 E.F.C. 16 blank charges=1 E.F.C. 16 star shell charges=1 E.F.C. 1 stick bomb charge=1 E.F.C.
B.L. 4-in.	IV, VII and IX	
Q.F. 4.7-in.	V	
Q.F. 4-in.	IV	

By Command of the Army Council,

A. J. G. G.

THE WAR OFFICE,
 18th February, 1942.

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**REGULATIONS FOR ARMY
ORDNANCE SERVICES, PART II**

PAMPHLET No. 13, 1937

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General
2229

AMENDMENTS (No. 2A)

Page 7. *For para. 18 substitute :—*

Amdt. 2A
Feb., 1942

18. In estimating the life of all ordnance, rounds should be reduced to full in accordance with **TABLE B.** Each round fired with paper shot is to be assessed as one equivalent full charge if the round is designed to produce a service length of recoil.

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General
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