

**SECURITY.**

**REGULATIONS**

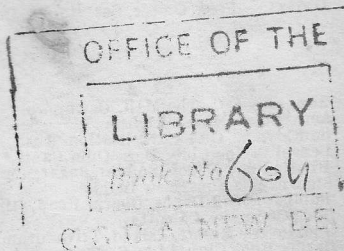
FOR THE **SERIAL No. 3307**

**EQUIPMENT OF THE ARMY  
(INDIA)**

**PART I**

**1933**

*Reprint 1939.*



*By Authority*



**Government of India, Defence Department.**

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174	176	December	"						

## PREFACE.

This edition supersedes that issued under I. A. O. No. 310-III of 1933 and includes all corrections up to 31st January 1939.

2. Officers are expected to interpret these regulations reasonably and intelligently in the interests of the service. They are responsible that they are observed and that local instructions and standing orders are framed in accordance with their spirit and intention.

3. No attempt has been made to prescribe for necessary and self-evident exceptions, nor for such matters of detail as should be provided for by local authorities.

4. The scales of equipment contained in these regulations are applicable to units of the regular forces only, unless orders to the contrary appear therein.

By order of the Government of India,

C. MACI. G. OGILVIE,

*Secretary to the Government of India.*

NEW DELHI,

*7th February 1939.*

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## DEFINITIONS.

The following terms used in these regulations will have the signification shewn :—

*Assistant Director of Ordnance Services.*—An officer of the directing staff of the I. A. O. C. posted to a command for duty as adviser to the G. O. C.-in-Chief of a command on all matters affecting the ordnance services.

*Civil Chief Master Armourer.*—The senior representative of the I. S. A. in the area to which he is appointed.

*Chief Ordnance Officer.*—The senior officer of the I. A. O. C. at an arsenal or Lahore Depot.

*Deputy Assistant Director of Ordnance Services.*—An officer of the I. A. O. C. posted to a district for duty as adviser to the district commander on all matters connected with the ordnance services.

*Direct accountant.*—The officer in charge of any unit or formation who receives and holds army equipment and maintains a separate ledger account or inventory list of the same. Os. C. detachments who account for stores through a parent unit are not direct accountants.

*Equipment.*—Ordnance stores of all descriptions, including guns, machine guns, small arms, ammunition, vehicles, etc., and material for repair and preservation allowed by these regulations.

*General Officer Commanding-in-Chief.*—The general officer charged with a command or independent district.

*Mobilization equipment.*—All items of ordnance stores which are held by or for the unit to complete to approved war scale.

*Ordnance Officer.*—The senior officer at an ordnance depot other than Lahore.

*Ordnance Mechanical Engineer.*—An officer of the mechanical engineering branch of the R. A. O. C. who is charged with the inspection and repair of gun carriages, vehicles and other materials in an area.

*Ordnance Stores.*—Stores of all description supplied by the I. A. O. C. including guns, machine guns, small arms, etc., and materials for repair and preservation allowed by these regulations but excluding clothing.

*Personal equipment.*—Arms and accoutrements which are allowed for the personal use of a soldier.

*Small Arms.*—Includes light automatics, machine guns, rifles, muskets, bayonets, pistols, revolvers, swords, foils, epees, sabres, lances, kukries, knives kukrie, dirks and dahs.

*Station stores.*—Stores sanctioned by scale for station use.

*Superior Commander.*—The G. O. C.-in-C. of a command or independent district, the officer commanding a District, Independent Brigade Area, or Brigade.

*Unit Commander.*—The officer commanding any unit.

*Unit.*—A body of troops under a separate commanding officer who is a direct accountant.

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## NOTES.

*Provision.*—Is the term applied to the system of replenishing stocks in ordnance charge. Once a year each store is calculated by ordnance establishments reporting to Provision Section, Army Headquarters, the stock in hand at a given date, other known assets, liabilities and the issues made during the previous twelve months. The quantity to be demanded to replenish ordnance stocks is then worked out generally on the basis of the average actual normal issues made during the previous three years and other important factors affecting the consumption of stores. After the stores have been demanded, it takes from 10 to 18 months in peace time, on the average, before they are delivered from ordnance factories, the trade, or Home, etc., owing to period required for budgetting, manufacture, transit and inspection.

It is realised that demands must fluctuate to a certain extent for various reasons but in view of the above it is incumbent on commanding officers to ensure that their demands are regularly submitted and kept as consistent as possible, otherwise heavy fluctuations in demands create shortages in stock and the unit which submits regular demands is penalised by the unit which submits demands erratically. Such fluctuations cannot easily be rectified owing to the time required to obtain further stocks.

*Factories.*—The following ordnance factories at the undermentioned stations manufacture and supply the stores shown against each :—

*Ammunition Factory at Kirkee.*—Small arms ammunition and filling of all natures of shell and fuzes, and miscellaneous pyrotechnical stores.

*Cordite Factory at Aruvankadu (Nilgiris).*—Cordite, gun cotton, cannon cartridges and cordite charges for field guns and howitzers.

*Gun and Shell Factory at Cossipore.*—Guns, shell, fuzes, primers and a considerable number of miscellaneous items.

*Gun Carriage Factory at Jubbulpore.*—Gun carriages and vehicles together with a large number of miscellaneous items.

*Harness and Saddlery Factory at Cawnpore.*—Leather, saddlery and connected items, including chain work, canvas articles, etc.

*Metal and Steel Factory at Ishapore.*—Steel and non-ferrous castings and forgings, Q. F. cartridges cases and miscellaneous steel and non-ferrous components and articles.

*Rifle Factory at Ishapore.*—Machine guns, rifles, other small arms and their components.

*Clothing Factory at Shahjahanpore.*—Army clothing and badges, etc., and repairs to colours.

*Inspectorates.*—The following ordnance inspectorates are located at the stations, and responsible for the inspection of stores, shewn against each :—

Chief Inspector of Stores and Clothing, Cawnpore.	General stores, textiles, clothing, harness and saddlery, army boots, leather work, tools and general chemical stores.
Inspector of Small Arms (I. S. A.), Ishapore.	Small arms and machine guns (including their proof). Bicycles.
Inspector of Guns (I. of G.), Cossipore .	Ordnance electrical and optical stores, signal stores, and metals.
Inspector of Ammunition (I. of A.), Kirkee.	All nature of ammunition explosives and connected stores.
Inspector of Gun Carriages and Vehicles (I. G. C. V.), Jubbulpore.	Artillery and transport vehicles and connected stores, stores made from timber, and proof of artillery carriages.
Chemical Inspector, Indian Ordnance Department (C. I., I. O. D.), Kirkee.	Anti-gas equipment, test of all explosives, advice on chemical questions affecting these stores, maintenance of cordite records.
Proof and Experimental Officer (P. & E. O.), Balasore.	Proof of, and experimental work connected with, guns and ammunition.
Controller, Chemical Defence Research Establishment (C. C. D. R. E.), Headquarters, Rawalpindi.	Experiment and research connected with problems of anti-gas defence.

*Armourers.*—All references in these regulations to C. C. M. A's. apply also to Assistant Inspectors of Armourers.



## List of Abbreviations.

A. F.	Army Form.
A. D. O. S. P.	Assistant Director of Ordnance Services, Provision.
A. D. O. S.	Assistant Director of Ordnance Services.
A. Hqrs.	Army Headquarters.
A. F. (I)	Auxiliary Force (India).
A. I. R. O.	Army in India Reserve of Officers.
C. C. M. A.	Civil Chief Master Armourer.
C. I.	Chemical Inspector.
C. I. S. C.	Chief Inspector of Stores and Clothing.
C. M. A.	Controller of Military Accounts.
C. O. O.	Chief Ordnance Officer.
D. A. D. O. S.	Deputy Assistant Director of Ordnance Services.
D. of A.	Director of Artillery.
D. O. S.	Director of Ordnance Services.
E.-in-C.	Engineer-in-Chief (India).
E. R's.	Equipment Regulations.
G. O. C.	General Officer Commanding.
G. O. C.-in-C.	General Officer Commanding-in-Chief.
G. of I.	Government of India.
I. A. F.	India Army Form.
I. A. O. C.	Indian Army Ordnance Corps.
R. I. A. S. C.	Royal Indian Army Service Corps.
I. of G.	Inspector of Guns.
I. S. A.	Inspector of Small Arms.
I. G. C. & V.	Inspector of Gun Carriages and Vehicles.
I. L. C.	India List of Changes in War Materials.
I. M. D.	Indian Medical Department.
I. of A.	Inspector of Ammunition.
I. O. O.	Inspecting Ordnance Officer.
I. T. F.	Indian Territorial Force.
K. R.	King's Regulations.
M. E. S.	Military Engineer Services.
M. G. O.	Master General of the Ordnance in India.
N. I. V.	Not in Vocabulary.
O. M. E.	Ordnance Mechanical Engineer.
O. C.	Officer Commanding.
O. O.	Ordnance Officer.
Q. M. G.	Quartermaster General in India.
P. V. S.	Priced Vocabulary of Stores.
R. A.	Royal Artillery.
R. A. F.	Royal Air Force.
R. A. I.	Regulations for the Army in India.
R. A. O. S.	Regulations for Army Ordnance Services.
R. I. N.	Royal Indian Navy.
S. A. A.	Small Arms Ammunition.
V. O. S. (I)	Vocabulary of Ordnance Stores (India).
W. E. T.	War Equipment Table.

Appendix 1—

Table 3 (c) is reconstructed as follows:—

(c) Stores to be held on charge of Waziristan District for use by the Razmak Column.

Insert "Tables 6, 7 and 8" as follows:—

6. Post stores for Waziristan District.
7. Post stores for Arawali.
8. Station stores for use by Mobile Columns.

Case No. 29588/M. G. 9-D.  
D. D. Regr. No. 5988/C. R. S. of 1939.

# LIST OF APPENDICES TO EQUIPMENT REGULATIONS (INDIA) (ISSUED SEPARATELY).

## APPENDIX 1.—STATION STORES—

- Table 1. Special station stores.
- " 2. Stores to be maintained for the use of the infantry brigades stationed in the Khyber Pass.
- " 3. Station stores for training purposes—
- (a) Detail of stores comprising a general and entrenching set.
  - (b) Detail of stores comprising a wiring set.
  - (c) Detail of entrenching tools for detached Gurkha training companies.
- " 4. Tools authorised for road making.
- " 5. Tools for gardening purposes.

## APPENDIX 2.—SIGNAL PISTOLS AND CARTRIDGES—

- Table 1. Scale of 1½-inch signal pistols and cartridges for defences and posts.
- " 2. Scale of cartridges for pistol signal, 1½-inch.
- " 3. Scale of 1-inch signal pistols and cases for regular units.
- " 4. Scale of 1-inch illuminating and signal cartridges for regular units.
- " 5. Scale of 1-inch signal pistols and illuminating and signal cartridges for Indian States Forces.

## APPENDIX 3.—GRENADES—

- Table 1. Scale of gauges, depth of detonator sleeve, Nos. 36 or 36-M grenade.

## APPENDIX 4.—DISTRIBUTION IN PEACE OF SMALL ARM AMMUNITION—

- (i) Service ammunition.
- (ii) Fixed allotments of practice ammunition.
- (iii) Pouch ammunition for small arms.
- (iv) Emergency ammunition for machine guns.

## APPENDIX 5.—SCALE OF AMBULANCE STRETCHERS AUTHORISED FOR UNITS, ETC., IN CANTONMENTS.

## APPENDIX 6.—STORES FOR THE DESTRUCTION OF DEFECTIVE EXPLOSIVES—

- Table 1. Detail of set for destruction of blind shell and trench mortar bombs.
- " 2. Distribution of sets for the destruction of blind shell and trench mortar bombs.
- " 3. Stores for the destruction of blind shell and trench mortar bombs.
- " 4. Scale of stores allowed per bombing range for the destruction of defective grenades.

## APPENDIX 7.—WATER CARTS AND CONNECTED EQUIPMENT—

- Table 1. Detail of accessories, spare parts and vehicle equipment for water carts and water trailers.

## APPENDIX 8.—SCALE OF BLADES, FORESIGHT, FOR THE REGULAR UNITS ARMED WITH RIFLES, No. 1.

## APPENDIX 9.—TOOLS AND MATERIALS FOR THE REPAIR OF ARMS—

- Table 1. Tools and materials for armourers.
- " 2. Tools for artillery units.

## APPENDIX 10.—REPAIR OF WEB EQUIPMENT, PATTERN '08—

- Table 1. Scale of tools allowed.
- " 2. Materials allowed annually.
- " 3. Materials allowed annually for units stationed in Waziristan.
- " 4. Instructions for carrying out repairs.

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## APPENDIX 11.—CLEANING, PAINTING, SCRAPING, RE-LUBRICATING, ETC.—

- Table 1. Scale of material, time and pay allowed for cleaning and painting ordnance, group symbols and danger arcs.
- „ 2. Scale of materials and time allowed for cleaning, scraping and painting carriages, vehicles and miscellaneous stores.
- „ 3. Scale of material and time allowed for scraping, cleaning, piling or unpling, painting and oiling projectiles.
- „ 4. Scale of material and time allowed for painting distinguishing marks on projectiles.
- „ 5. Scale of lubricant, time and pay allowed for re-lubricating gas check plugs and nuts or fuze hole plugs when projectiles are not being painted, or for projectiles in store not for armaments.

## APPENDIX 12.—COMPONENTS ALLOWED ANNUALLY FOR THE REPAIR OF ARMS—

Table 1. Rifles, Nos. 1 and 2 and bayonets, No. 1.

„ 2. Pistols, revolver, No. 1.

„ 4. Components, etc., allowed annually for the repair and maintenance of rifles, No. 1, D. P.

## APPENDIX 13.—STANDARD SIZES OF HORSE, MULE, PONY AND BULLOCK SHOES AND NAILS.

## APPENDIX 14.—STORES ALLOWED FOR BROWNING ARMS.

## APPENDIX 14-A.—STORES ALLOWED FOR CLEANING ARMS.

## APPENDIX 14-B.—MATERIALS ALLOWED ANNUALLY FOR THE CLEANING AND PRESERVATION OF RESERVISTS EQUIPMENT AND ARMS HELD ON UNITCHARGE.

## APPENDIX 15.—STORES ALLOWED ANNUALLY FOR THE QUARTERLY RELUBRICATION OF RIFLES BETWEEN STOCK AND BARREL.

## APPENDIX 16.—DETAIL OF SETS OF UNIT ARTIFICERS' TOOLS—

Table 1. Box, filled, R. F. artificers.

„ 2. Bag, tool, R. F. artificers, filled.

„ 3. Bag, tool, farriers, filled.

„ 4. Chest, tool, filled, bricklayers and masons.

„ 5. Chest, tool, filled, carpenters and wheelers and carpenters.

„ 6. Tools, screwcutting, bolt and nut, Mark III, Chests "A," "B," "C," "D," and "E," filled.

„ 7. Chest, tool, filled, coopers.

„ 8. Tools, electricians.

„ 9. Chest, tool, filled, farriers and shoeing-smiths.

„ 10. Chest, tool, filled, armament artificers, Garrison Artillery.

„ 11. Chest, tool, filled, painters and glaziers.

„ 12. Chest, tool, filled, plumbers.

„ 13. Tools, moulders.

„ 14. Chest, tool, filled, No. 5 (or panniers, tool, saddlers, filled).

„ 15. Holdall, tool, saddlers, filled.

„ 16. Chest, tool, filled, saddletreemakers.

„ 17. Pouch, lineman's, filled.

„ 18. Tools, screwcutting, B. A. thread, G. S.

„ 19. Tools, screwcutting, bolt and nut, R. A., field chest, filled.

„ 20. Chest, tool, filled, smiths.

„ 21. Tools, telegraph mechanics.

„ 22. Case, telegraph instrument repairers (filled).

„ 23. Bag, armourers, bicycle, filled.

„ 24. Tools for repair of bicycles.

„ 25 }  
 „ 26 }  
 „ 27 }

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*Appendix 11, Table 4, after "for" insert "stencilling and".*

*Appendix 12—*

*After "Table 1" insert "Table 2" as follows:—*

*"2. Components allowed annually for the repair of small arms of A. F. (I.) and I. T. F. units".*

*Renumber "Tables 2 and 3" to read "Tables 3 and 4" respectively.*

*For "Appendix 15, etc." substitute the following:—*

*"Appendix 15.—Stores supplied for the half yearly lubrication of rifles between stock and barrel."*

Case No. 29588/M. G. 9-D.

D. D. Regr. No. 5988/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).

No. 166 of September 1941.

*Page (x) (Page xi of the 1941 Reprint)—*

*Under "Appendix 16.—Detail of sets of Unit Artificers' Tools—" insert the following at the end:—*

*Table 25. Cases, tool, filled, signals, electricians.*

*Table 26. Cases, tool, filled, signals, instrument mechanics.*

*Table 27. Chests, tool, filled, signals, instrument mechanics.*

Case No. 40155/M. G. 9-B.

D. F. A. (O.) u/o No. 2290/O.-3 of 1941.

D. D. Regr. No. 12-7/12/C. R. S. of 1941.

Reprint, 1939 and 1941.

*Under " Appendix 21.—Materials for repair, etc." insert the following :—*

*" Table 1.—Materials for repair of harness, pole draught and saddlers (peace only).*

*Table 2.—Materials for repair of harness, saddlery and packsaddlery (war only).*

*Table 3.—Materials for the preservation of harness, saddlery and packsaddlery.*

*Table 4.—Material for the repair of saddletrees.*

*Table 5.—Materials for the repair of packsaddlery (Peace 12 months supply).*

*Table 6.—Material for repair of shackles."*

*For " Appendix 22-A " substitute " Appendix 22 ".*

*Appendix 24, delete the word " Artillery ".*

*Appendix 26, for " Units" substitute " Troops ".*

*Appendix 32, delete " Tables 2 to 4 " and connected entries.*

Case No. 29588/M. G. 9-D.

D. D. Regr. No. 5988/C. R. S. of 1939.

## APPENDIX 17.—TIME GUNS—

Table 1. Stations at which time guns will be fired.

,, 2. Materials allowed for the repair and preservation of time and instruction guns.

## APPENDIX 18.—DETAILS OF SETS OF HARNESS, SADDLERY AND PACK-SADDLERY—

Table 1. Saddlery and linegear for officers chargers.

,, 2. Saddlery, universal.

,, 3. Packsaddlery, G. S., I. P.

,, 4. Harness, mule draught.

,, 5. Harness, pole draught, G. S.

,, 6. Packsaddlery for pack horses.

,, 7. Saddlery and line gear for riding ponies.

## APPENDIX 19.—CLIPPING MACHINES—

Table 1. Scale of hand clippers and clipping machines.

,, 2. Scale of accessories and spare parts for clipping machines.

,, 3. Scale of lubricants for clipping machines.

## APPENDIX 20.—SCALE OF RIFLES, NO. 2 AND CONNECTED STORES ISSUEABLE ON PAYMENT TO UNITS OF THE INDIAN STATES FORCES.

## APPENDIX 21.—MATERIALS FOR REPAIR AND PRESERVATION OF HARNESS, SADDLERY AND PACKSADDLERY.

## APPENDIX 22.—MATERIALS FOR REPAIR AND PRESERVATION OF LANCES.

## APPENDIX 22-A.—MATERIALS FOR THE REPAIR OF TANKS MULE, MARK I, ON CHARGE OF UNITS IN WAZIRISTAN DISTRICT.

## APPENDIX 23.—ANNUAL ALLOWANCE OF "BASILS, BROWN" (LEATHER SHEEP).

## APPENDIX 24.—SCALE OF LINSEED OIL ALLOWED ANNUALLY TO ARTILLERY UNITS FOR THE PRESERVATION OF NOS. 17 AND 18 DRAUGHT POLES AND NO. 3 SUPPORTING BARS.

## APPENDIX 25.—SCALE OR CLEANING MATERIALS FOR INFANTRY RANGEFINDERS.

## APPENDIX 26.—SCALE OF INCINERATOR GRIDS FOR COMBATANT UNITS IN THE FIELD ARMY AND COVERING TROOPS.

## APPENDIX 27.—SALUTING GUNS—

Table 1. Scale of ordnance allowed to stations for saluting purposes.

,, 2. Scale of stores allowed annually for the preservation of saluting batteries.

,, 3. Equipment authorised for R. M. L., 9-pdr. saluting batteries.

,, 4. Equipment authorised for B. L. 15-pdr. saluting batteries.

,, 5. Equipment authorised for B. L. 10-pdr. saluting batteries.

## APPENDIX 28.—INSTRUCTIONS FOR MAKING DRILL BELTS FOR VICKERS GUNS.

## APPENDIX 29.—REPAIRS TO RIFLES, MACHINE GUNS, ETC.

## APPENDIX 30.—PAINTING.

## APPENDIX 31.—SCALE OF PAINT ALLOWED ANNUALLY FOR PAINTING A. T. CARTS, L. G. S. WAGONS AND WATER CARTS.

## APPENDIX 32.—MACHINE GUN EQUIPMENT—

Table 1. Lewis gun carrying equipment for infantry units.

,, 2. Lewis gun carrying equipment for Horse, Medium, Field and Mountain batteries, R. A.

,, 3. Lewis gun—Scale of camp equipment and line gear for mules.

,, 4. Lewis gun—Scale of connected equipment, other than carrying equipment and spare parts.

- Table 1. Lewis gun—Scale of spare parts, tools and appurtenances.  
 - 3 2. Lewis gun—Detail of bag, spare parts and tools.  
 - 4 3. Vickers gun carrying equipment for—  
     Cavalry units.  
 - 5 4. I. S. F. Infantry units.  
 - 6 5. Vickers gun—Scale of equipment, other than carrying equipment  
     for cavalry and I. S. F. and A. F. (I.) infantry units in India.  
 - 7 6. Vickers gun—Detail of contents of boxes, spare parts and tools,  
     Vickers, -303-inch, M. G.  
 - 8 7. Vickers gun—Detail of contents of cases, spare parts and tools,  
     Vickers, -303-inch, M. G., filled.  
 - 12. Vickers gun—Detail of bags, armours, M. G., filled.  
 - 9 13. Scale of materials for the maintenance of machine guns and  
     accessories.  
 - 10 14. Machine guns and mounts and mountings for drill purposes.  
 - 11 15. Vickers-Berthier gun equipment—Detail of contents of spare  
     parts case.

APPENDIX 33.—COOKING UTENSILS FOR INDIAN TROOPS—

Table 1. Scale.

- 2. Detail of items comprising sets.  
 - 3. Detail of items comprising an oil cooker set.

APPENDIX 34.—SCALE OF ACCESSORIES OF BICYCLES.

APPENDIX 35.—LIST OF UN-IMPORTANT SMALL ARM AND MACHINE GUN COMPONENTS, SUPPLIED, WHICH WILL BE ACCOUNTED FOR AS PETTY STORES.

APPENDIX 36.—LIST OF STORES, THE REGISTERED NUMBERS OF WHICH WILL BE RECORDED IN A MANUSCRIPT LIST TO BE KEPT AT THE END OF THE EQUIPMENT LEDGERS.

APPENDIX 37.—SCALE OF VEHICLES AUTHORISED FOR UNITS OTHER THAN MECHANIZED, AS STATION STORES FOR REGIMENTAL TRANSPORT WORK.

APPENDIX 37-A.—SCALE OF HARNESS AND SADDLERY ADDITIONAL TO UNIT EQUIPMENT FOR USE WITH VEHICLES DETAILED IN APPENDIX 37.

APPENDIX 37-B.—SCALE OF SPARES, CLEANING MATERIALS AND CONNECTED EQUIPMENT FOR USE WITH THE VEHICLES DETAILED IN APPENDIX 37.

APPENDIX 38.—SCALE OF STORES AUTHORISED ANNUALLY FOR MARKING PACKAGES, ETC.

APPENDIX 39.—ABBREVIATED TITLES OF UNITS, ETC., TO BE USED IN MARKING SMALL ARMS AND REGIMENTAL EQUIPMENT.

APPENDIX 39-A.—MARKING OF SMALL ARMS AND MACHINE GUNS.

APPENDIX 40.—INSTRUCTIONS FOR MARKING HORSE AND MECHANICALLY PROPELLED VEHICLES.

APPENDIX 41.—DETAIL OF COMPONENT PARTS OF WAGONS, G. S., MARKS X\* I. P.

APPENDIX 42.—DETAIL OF EQUIPMENT TO BE TAKEN BY UNITS, DRAFTS AND DETAILS MOVING IN RELIEF IN PEACE WITHIN INDIAN LIMITS AND TO HOME AND IMPERIAL STATIONS—

- Table 1. Equipment to be taken by all units when moving in relief within Indian limits (except to and from Waziristan and Chitral) by rail, and Indian units moving to the Malaya Command.  
 - 2. British drafts and details, including invalids and personnel for discharge for transfer to the reserve within 14 days of embarkation, proceeding to Imperial Stations.  
 - 3. Scale of personal equipment to be taken by details, etc..  
 - 4. Scale of cooking and mess utensils for British troops to be taken when moving in relief.



Page xii—

Appendix 32—

Delete "Table 12" and connected entries.

Renumber "Tables 5 to 11 and 13 to 15—" to read "Tables 2 to 11" respectively.

1173 Table 3, as renumbered, before "Cavalry units" insert "I. S. F."

12/39 Table 6, as renumbered, is reconstructed as follows:—

"Table 6.—Vickers guns—scale of equipment other than carrying equipment, for I. S. F. units".

Delete "Appendix 37-A" and connected entries.

For "Appendix 37-B," etc., substitute the following:—

"Appendix 37-A.—Scale of Spares, cleaning materials and connected equipment for use with vehicles authorised for units other than mechanized units, as station stores for Regimental Transport work."

Appendix 42, delete "Tables 2 and 3" and connected entries and insert the following as Table 2:—

"(1) Scale of personal equipment to be taken by British drafts and details, including invalids, when moving in relief within Indian limits and to and from Imperial stations.

(2) Scale of personal equipment to be taken by Indian drafts and details when proceeding on transfer from one unit to another.

For "Table 4" substitute "Table 3".

Case No. 29588/M. G. 9-D.

D. D. Regr. No. 5988/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).

No. 73 of December 1939.

*Page xii—Amendment No. 34 of September 1939—*

In line 6 for “Table 3” substitute “Table 4”.

Amendment to E. Rs. (I.), Part I, Reprint, 1939.

Case No. 29769/9/M. G. 9-D.

No. 159-A of August 1941.

*Page xiii—*

*After Appendix 69 insert the following :—*

*Appendix 69-A.—Wireless Sets which are to be overhauled periodically and the stores which will be called in for the overhaul.*

*Appendix 70.—Scale of web equipment pattern '37 for Infantry, Signals, Mechanized Cavalry, Mechanized Artillery and S. & M. units (R. E.).*

*Amendment to E. Rs. (I.), Part I, Reprint 1939 only.*

*Case No. 39164/I/M. G. 9-D.*

No. 174 OF DECEMBER 1941.

Page xiii (Page xiv of the 1941 reprint)—  
Insert the following :—

“ Appendix 73—Scales of Compasses Sun ”.

Amendment to E. Rs. (I), Part I, Reprint 1939 and 1941.  
Case No. 29815/M. G. 9-E.

No. 154 of May 1941.

Page xiii (Index to Appendices)—

Insert :—

Appendix 72.—Scale of Equipment for—  
Unit, P. O. L. Stores.

Table (1) Oil Stores.

(2) Petrol Stores.

(3) P. O. L. Stores for units and detachments with  
vehicles on charge. than 6

Case No. 34632/M. G. 9-B.

D. F. A. (O.) u/o No. 2463/O-2

D. D. Regr. No. 5013/C. R. S. 1941.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).



No. 146 of March 1941

Page xiii -

Insert the following:-

"Appendix 71 - Instructions to be observed in the storage and handling of cylinders filled with hydrogen."

Case No. 0652/M.G. 9-A.

D.F.A. (0-2) U.O. No. 16883/0-2 of 1940.

D.D. Regr. No. 571/C.R.S. of 1941.

Amendment to E.Rs. (I). Part I. Reprint, 1939.

- APPENDIX 43.—SCALE OF APPARATUS, AERIAL SIGNALLING-GROUND INDICATORS FOR ARMY FORMATIONS.
- APPENDIX 44.—EQUIPMENT FOR RIDING SCHOOLS OF UNITS.
- APPENDIX 45.—SCALE OF ARTILLERY BLANK AMMUNITION ALLOWED AS A POOL ANNUALLY TO COMMANDS, FOR USE AT MANŒUVRES, ETC.
- APPENDIX 46.—AUTHORISED SCALE OF EQUIPMENT FOR M. T. VEHICLES.
- APPENDIX 47  
AND  
APPENDIX 47-A. } DETAILS OF EQUIPMENT OF MOBILE WORKSHOP LORRIES.
- APPENDIX 48.—DETAIL OF CONTENTS OF TOOL CHESTS.
- APPENDIX 49.—DETAIL OF EQUIPMENT FOR BREAKDOWN LORRIES.
- APPENDIX 49-A.—DETAIL OF EQUIPMENT FOR DERRICK LORRIES.
- APPENDIX 51.—INSTRUCTIONS FOR THE CARE AND PRESERVATION OF RANGE FINDING, OPTICAL AND SCIENTIFIC INSTRUMENTS.
- APPENDIX 52.—PARTS OF THE EQUIPMENT OF HORSE, FIELD, MEDIUM AND MOUNTAIN ARTILLERY WHICH WILL BE LEFT UNPAINTED.
- APPENDIX 53.—LIST OF STORES WHICH C. O. OS. MAY AUTHORISE UNITS TO PURCHASE LOCALLY.
- APPENDIX 56.—SCALE OF HOSE PIPES AND CONNECTED EQUIPMENT FOR WASHING PLATFORMS FOR MECHANIZED UNITS.
- APPENDIX 57.—STORES TO BE PURCHASED AND MAINTAINED BY UNITS FROM THE LINES CONTINGENT ALLOWANCE.
- APPENDIX 58.—SCALE OF SURVEY STORES FOR BRIGADE INTELLIGENCE SECTIONS OF FIELD ARMY AND COVERING TROOPS.
- APPENDIX 59.—CLASSIFICATION, AND DATES FOR SUBMISSION, OF INDENTS.
- APPENDIX 60.—MODE OF ADDRESSING STORES BY RAIL TO I. A. O. C. ESTABLISHMENTS.
- APPENDIX 61.—GENERAL SCALE OF MISCELLANEOUS STORES.
- APPENDIX 62.—SCALE OF RANGE TABLES, PARTS I AND II AND AMENDMENT THERETO.
- APPENDIX 63.—ARMS AND EQUIPMENT FOR THE R. A. O. C.\* ARMOURERS AND ARMAMENT ARTIFICERS.
- APPENDIX 64.—METHOD OF PACKING SMALL ARMS, MACHINE GUNS AND IMPORTANT COMPONENTS.
- APPENDIX 65.—ARMS AND EQUIPMENT FOR W. AND N. C. OS. (AND N. C. OS. AND MEN ON PROBATION) OF THE ARMY EDUCATIONAL CORPS.
- APPENDIX 66.—ARMS AND EQUIPMENT FOR DEPARTMENTAL W. AND N. C. OS. OF THE I. U. L. INCLUDING BRITISH N. C. OS. ATTACHED TO THE I. A. O. C. AND R. I. A. S. C.
- APPENDIX 67.—ARMS AND EQUIPMENT FOR NON-DEPARTMENTAL I. U. L. RANKS.
- APPENDIX 68.—SCALES OF PAINTS FOR GUNS MACHINE, VICKERS AND LEWIS AND GUNS HOTCHKISS AND MAXIM AND ACCESSORIES.
- APPENDIX 69.—AUTHORISED FIELD SERVICE SCALE OF PERSONAL EQUIPMENT FOR INDIAN SUPERIOR PERSONNEL SERVING IN A WAR AREA.

" 71 \_\_\_\_\_ ~~CS. 159-4~~ CS 2146  
8/41  
" 72 \_\_\_\_\_ ~~CS 159~~  
5/41 3/41  
" 73 \_\_\_\_\_ CS 174  
12/41

# REGULATIONS FOR THE EQUIPMENT OF THE ARMY IN INDIA.

*Reprint, 1939.*

## CHAPTER I.—DUTIES OF OFFICERS.

### SECTION I.—GENERAL.

1. The following regulations for the equipment of units of the Army in India are promulgated for the information and guidance of officers concerned.

2. In describing stores in equipment ledgers, indents and correspondence, the designations and sections of the V. O. S. (I) will be followed. Articles not included in the V. O. S. (I) will be headed "N. I. V." and grouped under the several vocabulary sections to which, from the nature of the articles or their intended use, they would properly apply. They will also be described by drawings or otherwise where requisite, in order to avoid the necessity of making further reference.

### SECTION II.—DUTIES OF SUPERIOR COMMANDERS.

3. Superior commanders are responsible that equipment and stores in charge of units in their areas are complete, serviceable, and in accordance with the latest pattern and scale and that no deviation from the authorised pattern, either for equipment, or any other purpose, is allowed without the previous sanction of A. Hqrs. They will take such action as may be necessary to prevent waste of stores and materials.

4. The officer commanding a District, Independent Brigade Area, or Brigade is responsible to the G. O. C.-in-C. of commands for the care and custody of mobilisation equipment on charge of units. Where such equipment is not complete and in accordance with the latest W. E. T., the officer in immediate charge shall furnish an explanation.

4-A. G. Os. C.-in-C. of commands are responsible for mobilisation equipment stored in ordnance charge (see Section XXI).

### SECTION III.—DUTIES OF UNIT COMMANDERS.

5. Unit commanders will inspect the regimental magazine and small arms ammunition stores at least once a month.

6. Unit commanders are responsible to Superior commanders that their arms, stores and equipment including mobilization equipment are in a serviceable condition, in working order, complete in all details, in the authorised proportions up to sanctioned establishments (except A. & T. F. units, who hold only to actual strength), and that stock is taken annually, *vide* paragraph 114-A. They will make frequent inspections and when any defects or discrepancies are discovered will at once take steps to have them remedied. All surplus stores will be at once brought on charge and all discrepancies investigated and adjusted. They will ensure that stores are used only for the purpose for which provided and that waste from any preventable cause is avoided.

**6-A. Inspection of anti-gas respirators by the unit.**

(Applicable to Army, R. A. F., A. F. I., I. T. F., and certain I. S. F. Units.)

*(i) Responsibility for inspection.*

Unit commanders are responsible that all anti-gas respirators in their charge are inspected in accordance with these rules.

*(ii) By whom inspected.*

Inspection will be carried out by a qualified unit gas officer or n.c.o. in accordance with the Indian Supplement to "Defence against gas, 1935".

In the event of a unit not having a qualified inspector, application will be made to the appropriate higher formation who will arrange for the inspection to be carried out by an inspector from another unit. In the case of I. S. F. units, application will be made to their Military Adviser.

*(iii) Frequency of inspections.*

All anti-gas respirators held on charge will be inspected half yearly. Inspections will be carried out as near as possible on the 31st of March and the 30th of September.

*(iv) Procedure for dealing with anti-gas respirators which are classified as beyond unit repair.*

See paragraph 246-B.

*(v) Final conditioning authority.*

The I.A.O.C. is the final conditioning authority for all anti-gas respirators which are sentenced beyond unit repair, see paragraph 139. In all cases of doubt, the I.A.O.C. will refer to the Chemical Inspector who may call for samples if required.

*(vi) Record of inspection.*

A record of all inspections will be maintained on I. A. F. O.-2482. (See also section 6 of the Indian Supplement to "Defence against gas, 1935").

Page 3—

Paragraph 8—

Sub-paragraph 2—

In line 6 for " D. A. D. O. S. " read " D. O. M. E. "

After the word " District. " in line 6

Insert " This monthly report will also include the Artificer's monthly work report. "

Delete " This form will be used as ..... on mobilization " as inserted by correction slip No. 1 of July 1939, and

Insert " Separate sheets of this form will be prepared for :—

(a) Ordnance equipment and clothing authorised in peace.

(b) Ordnance equipment and clothing held on charge for use on mobilization. "

Case No. 28087/M. G. 7-A.

D. F. A. (O.) u/o No. 7901/O.-2 of 1940.

D. D. Regr. No. 8646/C. R. S. of 1940.

Amendment to E. Rs. (I.), Part I, 1933, (Reprint 1939).



Page 3—

*Insert the following as a new paragraph :—*

*6-B. Chests for rifles and machine guns—storage while in unit charge.—*

The following instructions will be observed by all units having chests on charge :—

- (a) After removal of contents all fittings will be replaced in their correct positions and the lid secured by screws ; screws not used to secure the lid will be placed inside the chest.
- (b) They will be stored in a dry place and raised above the ground to allow of the free circulation of air around the chest.
- (c) They will be examined monthly for attack by white ants.
- (d) They will not be used for purposes other than that for which intended.
- (e) They will not be fitted with hinges, hasps and staples, or any other looking device.
- (f) Seals will be carefully removed before opening the chest so as to obviate damage to the lid. All screws must be fully unscrewed and the lid will not be removed until all screws have been removed therefrom.
- (g) The use of nails for securing the lid, under any circumstances, is forbidden.
- (h) All chests returned to Ordnance Establishments must be complete with their fittings and battens.

Seals will not be of a larger diameter than  $\frac{3}{4}$ -in. and the recess provided will be used for re-sealing, unless the original recess is too insecure to hold the seal.

Chests on return to the I. A.O.C. will be examined for damage and where any damage is not due to fair wear and tear, or fittings are incomplete, the cost of repair or replacement will be charged to the unit concerned.

C. C. M. As. will examine all chests on unit charge and enter on their inspection report instances where chests have been mal-treated, or are used for improper purposes. All damage not due to fair wear and tear will be chargeable to the unit.

Case No. 10758/M. G. 3.

D. F. A. (O.) u/o No. 7852/R. P. of 1939.

D.D. Regr. No. 10047/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, Reprint, 1939.

*After paragraph 9 insert the following new paragraph :—*

“ 9-A. Trials and experiments in connection with armaments and mechanically propelled vehicles are controlled by the Director of Armaments and by the Director of Mechanization and the work is normally carried out by the various Inspectorates under their orders. To avoid duplication, experimental work must not be undertaken by units unless prior sanction has been obtained from Army Headquarters.

All applications to undertake experimental work in 2nd and 3rd line Ordnance Workshops in connection with ordnance equipments should be submitted through the normal channels to Army Headquarters. Applications will be accompanied by a certificate from the C. O. M. E. of the Command that the work would not interfere with the normal duties of the workshop concerned.”

Case No. 29807/M. G. 9-D.

D. F. A. (O.) u/o No. 8003/R. P. of 1939.

D. D. Regr. No. 9721/C. R. S. of 1939.

No. 1 of July 1939.

Page 3, paragraph 8—

After "2nd sub-paragraph" for "Separate sheets....."  
on mobilization" read as follows:—

"This form will be used as—

(i) Artificer's monthly work report.

(ii) Monthly progress report referred to above.  
and separate sheets will be prepared for:—

(a) Ordnance equipment and clothing authorised in peace.

(b) Ordnance equipment and clothing held on charge for use on mobilization."

Case No. 28087/M. G. 7-A.

D. F. A. (O.) u/o No. 3295/R. P. of 1939.

D. D. Regr. No. 5077/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).

The half yearly inspection report will be completed by the unit who will forward a copy to each of the following :—

C. O. O. concerned.

Chemical Inspector, I. O. D., Kirkee.

M. A. concerned (I. S. F. units only).

6-B 7. Officers who are likely to require renewal or exchange of any considerable part of their equipments, will give early intimation of the same to the I. A. O. C.

8. In the case of alterations of patterns or of changes in the proportions in which articles forming their equipments are issued, they are responsible to superior commanders that necessary action is taken. Os. C. units will maintain, on I. A. F. O. 1445, a record of all alterations to scales and patterns which require action by the unit whether promulgated in I. L. Cs., A. Is. (I), I. A. Os., amendments to Regulations or in any other manner. Alterations, on which action by the unit is not necessary will not be entered in the record. This record will be inspected by D. A. Ds. O. S. during their annual inspection and by other inspectors (see paras. 389, 393, 398-A and 405) for the equipments for which they are responsible.

A report on A. F. G. 919 (modified for India), of the action taken to carry out alterations to patterns and scales of Ordnance equipment and clothing, whether in mobilization or peace charge, ordered by India list of changes, India Army Orders or other Army Headquarters authority, will be rendered monthly by Os. C. units to the D. A. D. O. S. of the District.

Separate sheets of this form will be used for :—

- (a) Ordnance equipment and clothing authorised in peace.
- (b) Ordnance equipment and clothing held on charge for use on mobilization.

When an I. L. C., I. A. O. or other A. H. Q. authority effecting the Ordnance equipment or clothing of a unit is published, the O. C. unit, will, if in doubt, ascertain from the D. A. D. O. S. of the District as to whether the alteration is to be carried out by the unit or by the I. A. O. C. ”.

9. Alterations to equipment (see Definitions) involving any departure from the sealed patterns, either for experiment or any other purpose, are strictly forbidden without the previous sanction of Army Headquarters.

10. Unit commanders will, from time to time as required, furnish the C. O. O. with such information as he may call for regarding the state of the equipment on their charge.

11. On change of command, and before moving in relief, a regimental board will be assembled to take stock of the equipment and verify the ledger balance. Station stores will be handed over on relief, on the station stores ledger without the exchange of vouchers.

Both the incoming and outgoing officers or their representatives will be present and sign the proceedings which will be certified in the form shown in paragraph 12. For the procedure to be followed in cases where an officer taking over command or an officer of a relieving unit does not arrive till after the departure of the outgoing officer, or unit, or of a unit moving in relief, see paragraph 471, Regulations for the Army in India.

12. The certificate to be rendered by officers handing and taking over stores, on change of command, is as follows :—

“ Certificate.”

We certify, in accordance with paragraph 11 of the Equipment Regulations (India), Part I, that on the transfer of the equipment of the.....(a) on the.....(b) the whole has been inspected by us and has been found to be properly appropriated, in good condition, and to agree in the quantities and numbers of the several articles actually in possession, with those shown in the ledgers, except the items shown on the accompanying statement (c).

President. \_\_\_\_\_

Members. { \_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_ Officer giving over charge.

\_\_\_\_\_ Officer taking over charge.

(a) Here insert the unit.

(b) Here insert the date.

(c) This statement should include the articles in possession of N. C. O's. and men temporarily detached.



## CHAPTER II.—ARMS, EQUIPMENT AND STORES.

### SECTION I.—EQUIPMENT—GENERAL.

13. The authority for demand is the regulations under which the stores are held on charge. The fact that disposal orders have been asked for is by itself no authority.

14. All questions connected with the supply of equipment will be addressed to the C. O. O., or O. O., who will, if necessary, take the orders of the superior commander on the subject.

15. To obviate the necessity for intermediate demands, unit commanders will cause an inspection of equipment to be made before the quarterly indents are prepared. To meet immediate and unforeseen requirements, certain spare articles of equipment are supplied as detailed in the E. Rs. of the respective units.

16. When stores indented for are not available a report on I. A. F. Z-2017, showing the stores in respect of which compliance is not at the moment possible, will be sent by the C. O. O. or O. O., to the O. C. unit. If the demand for those stores is outstanding for an unreasonable time, and it is considered necessary to hasten the supply, the O. C. unit will address the C. O. O. on the subject at the same time mentioning the serial number of the indent, dates of submission, stores concerned and the No. of I. A. F. Z-2017 received from the supplying officer. If the O. C. considers that the efficiency of the unit is likely to be affected by the delay in supply, this fact should also be specifically mentioned. If the C. O. O., or O. O. (after approaching the A. D. O. S. P. A. Hqrs., if necessary) is unable to supply the stores within a reasonable time, the O. C. unit will be informed of the position. If the O. C. considers it necessary to represent the matter under paragraph 719-A., R. A. I., a copy of the C. O. O.'s or O. O.'s explanation will be forwarded with the representation to the superior commander.

17. Stores for maintaining equipments or for special service are not to be appropriated to other purposes without special authority obtained through the C. O. O.

18. Stores which have been longest on charge or part worn articles which are serviceable will be issued first by arsenals and must be accepted by units. Part worn articles which, on receipt, are considered to be unduly deteriorated will be set aside and a report made to the superior commander. Should a dispute between the arsenal and the unit arise, the matter will be settled by a board of officers, one of whom will be the D. A. D. O. S. of the area. The board's decision will be final.

## Section I.

19. When a reduction in the establishment of men, equipment or horses is authorised, the stores to be disposed of will be the actual complete sets of equipment in use by the men or horses drafted to other units, or otherwise dealt with as supernumerary.

20. Extra service arms and accoutrements will be supplied to units which may be temporarily augmented. They will not be marked by units in any way nor taken out of India, and will be accounted for as "extra service" arms and accoutrements.

21. (i) A free issue of a revolver will be made to all officers of the Unattached List, Indian Army (including British and Indian officers of the Indian Army Veterinary Corps but excluding British and Indian officers of the Indian Medical Services) and the Special List Indian Land Forces, on first appointment.

Officers appointed in the United Kingdom to the Unattached List for the Indian Army, will receive a revolver in the United Kingdom.

In the case of newly appointed officers passing out of the Indian Military Academy, revolvers will be demanded by the Officers Commanding the British units to which the officers are first posted.

In the case of:—

(a) Officers of the Indian Army commissioned prior to the 1st of April 1935 the revolvers will be brought on charge in the unit equipment ledger and issued to the officers concerned, the issue being supported by the officer's signature in I. A. F. Z.-2096 [See also (iii) below].

(b) Officers of the Indian Army commissioned on or after the 1st April 1935, and all officers of the Indian Land Forces the revolvers will remain public property and will be maintained at public expense. They will be accounted for in the unit equipment ledger and will accompany the officer when transferred between units and staffs.

On the removal of such an officer from the Active List, including transfers to permanent civil employ; to the General List etc., the revolver will be returned to Ordnance charge.

(ii) A free issue of prismatic binoculars (No. 2) and liquid prismatic compass will be made to the officers referred to in (i) above (with the exception of British and Indian officers of the Indian Army Veterinary Corps and Indian Medical Services).

Officers appointed in the United Kingdom to the Unattached List for the Indian Army will receive these articles in the United Kingdom.

In the case of newly appointed officers passing out of the Indian Military Academy, demands will be submitted to the Chief Ordnance Officer, Rawalpindi Arsenal.

No. 112 of May 1940.

*Page 6-A, Paragraph 21-A—*

*For “ 1 Pillow, hospital pattern, hair, small ” read 1 Pillow, hospital, feather ”.*

*In sub-para. (iii) delete “ (If necessary, from Imperial stocks) ”.*

*Case No. 31657/M. G. 9-C.*

*D. F. A. (O.) No. 2841/O-2 of 1940.*

*D. D. Regr. No. 3257/C. R. S. of 1940.*

*Amendment to E. Rs. (I.), Part I, Reprint 1939.*

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The articles will be issued as in (i) (a) above and will become the personal property of the officer. In the event of an officer not serving for 4 years from the date of his first appointment to a regular commission, the articles will either be returned to Ordnance charge or be paid for by the officer concerned.

(iii) Binoculars and compasses and the revolvers referred to in (i) (a) above will be marked with the "Sale Mark" prior to issue and will be maintained in a serviceable condition by the officer at his own expense.

(iv) Newly commissioned officers of the British Army serving on the Indian Establishment if commissioned in the United Kingdom (including those appointed to the Unattached List for the Indian Army from the Territorial Army, Supplementary Reserve and the universities) will obtain revolvers, binoculars and compasses from Imperial stocks.

In the case of personnel promoted to commissioned rank whilst in India, these articles should be obtained from Ordnance (if necessary, from Imperial stocks) the cost thereof being a final charge against Indian revenues.

Revolvers [except those referred to in (i) (a) above] will remain public property and will be accounted for as in (i) (b) above.

Binoculars and compasses will become the personal property of the officer. They will be issued as in (i) (a) above and will be maintained in a serviceable condition by the officer at his own expense. In the event of an officer not serving for 4 years from the date of his appointment to a regular commission the articles will be disposed of as in (ii) above.

(v) Officers may have those of the above articles which are personal property, cleaned or repaired "On payment" in an arsenal or factory, and they will be inspected before return.

NOTE.—(1) For restrictions regarding the issue of revolvers see para. 25.

(2) Reference to revolvers in this para. will be held to cover protectors, hammer, and rods, cleaning.

**21-A.** (i) An officer appointed to a permanent commission should provide himself with the following articles of camp kit from the money allowance provided for the purpose (See also Pay and Allowances Regulations, Vol. II) :—

1 portable camp bedstead and bag for the bedstead.

1 pillow, hospital pattern, hair, small. ————— *C 2112*

1 sheet ground.

1 collapsible washstand with canvas basin, bath and bag.

1 chair, officer's camp.

1 bucket, water, canvas.

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1 valise, officers' kit, with straps, with name and regiment or corps painted thereon in 1-inch block letters in black paint.

(ii) Officers appointed in the United Kingdom to the Unattached List for the Indian Army will receive a free issue of camp equipment in the United Kingdom.

(iii) In the case of personnel of the British Army promoted to Commissioned rank whilst in India these articles should be purchased (if necessary, from Imperial stocks) from the allowance referred to at (i) above.

22. Indian officers, commissioned from the ranks after the 2nd January 1922, and clerks and storekeepers serving in the Supply, Animal Transport and Mechanical Transport Branches of the R. I. A. S. C. granted direct commissions in the Supply Branch of the R. I. A. S. C. after the 4th September 1930, are authorised, as a free issue, "Sam Browne" accoutrements, swords and scabbards as prescribed for their particular services. This free issue does not apply to those who are in possession of any of the above articles, as authorised equipment, before promotion to commissioned rank or to sub-assistant surgeons whose authorised equipment is shown in E. Rs. (I.), Part 2, Section V.-D.

I. O. Rs. granted honorary commissions on retirement may obtain "Sam Browne" accoutrements, swords and scabbards, on payment, under the provisions of paragraph 64.

Units may demand the above free issue when recommendations for promotion to commissioned rank are submitted. The articles will be retained in store by the unit, pending notification of promotion in the *Gazette of India*, when immediate issue will be made to individuals concerned.

Articles thus issued will be held on ledger charge and maintained at the cost of the State but the officer to whom they are issued will be permitted to retain them, without payment, on honourable retirement.

If an officer dies while serving in the Army, the articles issued under this authority may be handed over to his heirs. The retention of a sword by an officer's heir is, however, dependent on the grant of a licence by the civil authorities whether the officer dies in the Army or as a pensioner.

23. Free issue of barrack sheets will be made as shown below. The sheets become the property of the recipient and no compensation will be allowed in lieu. When individuals are transferred within Indian limits, the date of the last issue of sheets will be endorsed on I. A. F. C-857. The voucher on which issues are made



Paragraph 22 is reconstructed as under :—

“ 22. “ Sam Browne ” accoutrements, swords and scabbards as prescribed for their particular services are admissible as a free issue to—

- (a) V. C. Os. commissioned from the ranks after 2nd January 1922 ;
- (b) clerks and storekeepers of the R. I. A. S. C. granted direct commissions in the Supply Branch of the R. I. A. S. C. after 4th September 1930.

This free issue will not apply to—

- (i) personnel in possession of any of the above articles as authorised equipment, prior to promotion to commissioned rank ;

(ii) sub-assistant surgeons whose authorised equipment is shown in Section V-D of Part 2 of these Regulations.

Units will demand this free issue when recommendations for promotion to commissioned rank are submitted. On receipt by the unit the articles will be held in store and will be issued as soon as the promotion is notified in the *Gazette of India*. Articles thus issued will be held on ledger charge and maintained at the cost of the State.

All V. C. Os. and I. W. Os. will be permitted to retain their “ Sam Browne ” accoutrements, sword and scabbard, without payment, on honourable retirement. I. O. Rs. granted honorary V. C. O. rank on retirement may obtain these articles, on payment, under paragraph 64 of these regulations.

If a V. C. O. or I. W. O. dies while serving, his “ Sam Browne ” accoutrements, sword and scabbard may be handed over to his heirs. The retention of a sword by the heir of a deceased officer or I. W. O. is, however, conditional on the grant of a licence by the civil authorities, irrespective of whether the V. C. O. or I. W. O. dies while in service, or as a pensioner.”

Case No. 23399/M. G.-3.

D. F. A. (O.) u/o No. 8904/R. P. of 1938.

D. D. Regr. No. 5460/C. R. S. of 1939

*Paragraph 22 as reconstructed by Amendment No. 24 of August 1939.*

Penultimate sub-paragraph is *reconstructed* as follows :—

“ V. C. Os. and I. W. Os. who are authorized Sam Browne accoutrements will be permitted to retain these articles, without payment, on honourable retirement. V. C. Os. may similarly retain swords and scabbards I. O. Rs. granted honorary V. C. O. rank on retirement may obtain Sam Browne accoutrements, Sword and scabbard on payment, under paragraph 64 of these regulations.

Last sub-paragraph is *reconstructed* as follows :—

“ Should a V. C. O. or I. W. O. die whilst serving, his Sam Browne accoutrements may be handed over to his heirs. Swords and scabbards of V. C. Os. may similarly be handed over. The retention of a sword by the heir of a deceased officer is however, conditional on the grant of a license by the civil authorities, irrespective of whether the V. C. O. dies whilst in service, or as a pensioner.

Case No. 34195/M. G. 9-A.

D. F. A. (O.) u/o No. 14967/O-2 of 1940.

D. D. Regr. No. 15525/C. R. S. of 1940.

196/43. Page 8 (10 of Reprint 1941) Para 23—

In the table against item (i), column 3, for '3' substitute '3(a)'.

For sub-paragraph '(i)' as inserted by amendment No. 155 of 1941, substitute '(a)' (in Reprint 1941 delete "(i) above will also be applicable . . . . . active list ") and after the existing table insert as follows :—

"(a) Above will also be applicable to A. F. (I) units when embodied. The sheets, however, will be returned to Ordnance when individuals are discharged or removed from the active list."

Case No. 46055/M.G.9-E.

D.F.A.(O) u/o No. 3763/0-2 of 1943.

Simla, the 8th November, 1944.

208/44. Page 8 (10 of reprint).—Para. 24 (as reconstructed by amdt. No. 190/42), delete "One mug 1 pint".

Case No. 46055/A/MG/OS19E.

D. F. A. (O) u/o No. 1213/S/O-2 of 1944

No. 155 of May 1941.

Page 8, Paragraph 23—

Insert the following sub-paragraph :—

“(i) Above will also be applicable to A. F. (I.) units when embodied. The sheets, however, will be returned to Ordnance when individuals are discharged or removed from the active list.”

Case No. 0557/M. G. 9-A.

D. F. A. (O.) u/o No. 2683/O-2 of 1941.

D. D. Regr. No. 4333/C. R. S. of 1941.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).

No. 190 of October 1942.

Page 8 (10 of the 1941 reprint)—

Paragraph 24 is reconstructed as follows :—

A free initial issue of

One Mug 1-pint

~~One Plate dinner~~

will be made to each British soldier

(i) On arrival in India (if not already in possession)

(ii) On enlistment in India

which will be maintained and replaced at the soldier's expense.

Case No. 44470/M. G. 9-B (ii).

D. F. A. (O.) u/o No. 12844/O-2 of 1942

Amendment to E. Rs. (I.), Part I (Reprint 1939 and 1941).

to individuals, will be endorsed with the number and date of the vouchers on which previous issues were made. E-1155  
5/4

To whom admissible.	When admissible.	No.	Replacement.
(i) British soldiers, including departmental warrant officers (except I.M.D.) who are provided with free housing accommodation.	On arrival at destination or on enlistment in India.	3	Biennial issues of two sheets are made on the 1st August, the first issue counting from the July nearest to that on which it was made.
(ii) Wives (and widows) of the above who are in receipt of marriage allowance.	On arrival at destination in India or on marriage.	3	
(iii) School mistresses	On arrival at destination or on first appointment in India.	3	
(iv) Military medical pupils	On admission to medical colleges.	3	

24. On arrival or enlistment in India a British soldier will receive a free issue of one enamel mug and plate which will be maintained and replaced at the soldier's expense. C.D. 1930

Each recruit of the British Army enlisted in India on or after the 10/42 12th October 1937 will however receive a free issue of two enamelled mugs instead of one.

25. The issue of revolvers will be restricted as follows :—

- (i) Officers of the Royal Army Medical Corps, Army Dental Corps and Indian Medical Services (regular and temporary-commissioned), Indian officers I. H. C. and assistant and sub-assistant surgeons, will not receive revolvers but issue on loan may be authorised when serving in an area of active operations, provided that the G. O. C. determines such issue to be necessary. This does not apply to the assistant surgeons attached to Nos. 7 and 8 Field Ambulances in the Waziristan district, revolvers and connected equipment for whom will be held on charge of the hospitals concerned.
- (ii) Officers appointed quartermasters for service with Indian Cavalry and Infantry battalions, Sappers and Miners and the Indian Signal Corps, will receive a revolver on first appointment. (Other quartermasters, who are departmental officers of the unattached list, come under the rules in (iv) below.) Revolvers will be marked with the "sale mark" and maintained in a serviceable condition by officers at their own expense.
- (iii) Officers of the A. I. R. O. destined for active duties with fighting units will receive a revolver on loan when called to Army service. Others will not ordinarily receive a revolver, but may do so under the conditions laid down in (i) above.



(iv) Departmental officers of the India Unattached List destined for active duties with fighting units will receive a revolver. Others will not ordinarily receive a revolver, but may do so under the conditions laid down in (i) above.

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- 8/39  
(v) British service officers posted to India during and after the trooping season 1935-36 will be equipped with state-owned .455-inch pistols which will be treated as unit equipment.

These .455-inch pistols will be in possession of officers prior to their arrival in India and will accompany them on their departure from India.

26. Officers, warrant officers, non-commissioned officers and men for whom rifles are not issuable as personal equipment will, when required to perform musketry courses, be supplied temporarily with arms taken from those issued for the rank and file. The same course will be followed when arms are required by such ranks for use at voluntary practice or at authorised rifle meetings.

Superior commanders are responsible that suitable regimental or local arrangements are made to govern these temporary loans, and that divided responsibility for any damage that may occur to the arms is prevented.

27. The marks and numbers on stores of all nature, on every kind of projectile and fuze, and on guns, will be noted in all reports and relating to the repair, alteration, and condemnation of such stores, in order that the date of manufacture may be readily ascertained.

28. *Cancelled.*

29. Condemnation of stores will be supported by proceedings of boards where boards are necessary.

30. Materials for the repair of regimental equipment will be supplied by the I. A. O. C., but in the case of instructional equipment may be purchased locally by Sappers and Miners units, provided the expenditure involved is covered by budget provision, when the exigencies of the service do not permit these units to obtain them from the I. A. O. C.

30-A. Materials required for trade testing of technical recruits will be taken from unit stocks and recouped by indent on the supplying department in the normal manner. When special sanction is required to replace materials so expended, application will be made by the unit concerned through the usual channels on I. A. F. A-497.

31. New complete articles are not to be made except in special circumstances, in which case a return of articles made will accompany the annual demand for materials with full explanation for the necessity for their manufacture. Articles manufactured from materials on charge will be brought on charge on I. A. F. Z-2096.

Paragraph 25 (v) is *reconstructed* as follows :—

“(v) British service officers posted to India during and after the trooping season 1935-36 will be equipped, prior to embarkation, with State-owned pistols, revolver, No. 1 (.455-in.), which will be maintained at State expense. These pistols will be retained in the personal possession of the officers, to whom they are issued, during their tour of duty, on the Indian establishment. For accounting purposes these pistols will be brought on ledger charge as unit equipment; they will, however, accompany the officer when transferred between units and staffs and on return to the Imperial establishment.”

Case No. 24030/M. G. 9-B.

D. F. A. (O.) u/o No. 4201/R. P. of 1939.

D. D. Regr. No. 5729/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).

**32.** Units at other than arsenal stations may, when such articles are authorised in their equipment tables and subject to the prior concurrence of the C. O. O., purchase locally articles detailed in Appendix 53.

**33.** Vouchers for all stores issued to the Indian unit stationed in the Malay command will be endorsed "debitable to the Federated Malay State Government". Vouchers for stores of annual supply issued to units will be clearly marked "Annual Supply".

For the method of endorsing vouchers for stores returned to the I. A. O. C. see paragraph 141.

**34.** Components of recuperators should be clearly stamped with dimensions (plan or actual oversize) before issue from an arsenal or factory and the issue made in accordance with the history sheet data.

**35.** The detail of articles comprising a complete set of harness and saddlery for regimental transport vehicles is given in Appendix 18, table 4 or 5. In addition one "rope loading 60-ft." and one "whip drivers I. P." will be admissible per A. T. cart.

Harness and saddlery required for regimental transport will be found from unit peace equipment.

Articles not included in unit peace equipment or included but on a scale less than that required for regimental transport vehicles will be demanded and held as station stores.

**36.** Spare sets of harness and saddlery are not to be considered a reserve from which to draw component parts to replace similar articles out of repair.

**37.** The scales of stores indicated below are as laid down in the appendices to E. Rs. specified :—

(i) Ambulance stretchers . . . . .	Appendix 5
(ii) Materials, time and pay allowed for cleaning, painting, etc., ordnance carriages, etc. . . . .	" 11
(iii) Materials allowed for cleaning arms . . . . .	" 14-A
(iv) Stores allowed annually, for the half yearly re-lubrication of rifles between stock and barrels . . . . .	" 15
(v) Clipping machines . . . . .	" 19
(vi) Rifles No. 2 issuable on payment to Indian States Forces . . . . .	" 20
(vii) Material allowed annually for the repair and preservation of lances . . . . .	" 22
(viii) Annual allowance of brown basils . . . . .	" 23
(ix) Materials allowed for cleaning rangefinders . . . . .	" 25
(x) Saluting guns . . . . .	" 27
(xi) Paint allowed annually for A. T. carts, etc. . . . .	" 31
(xii) Cooking utensils, I. T. . . . .	" 33
(xiii) Scale of accessories of bicycles . . . . .	" 34
(xiv) Vehicles and spares for fatigue purposes . . . . .	" 37 and 37-B
(xvi) Apparatus, aerial signalling, strips, etc., for Army formations . . . . .	" 43
(xvii) Equipment for riding schools of units . . . . .	" 44
(xix) Hose pipes for mechanized units . . . . .	" 56
(xx) Survey stores for Brigade Intelligence Sections . . . . .	" 58
(xxi) Materials for the repair and preservation of harness, saddlery and packsaddlery . . . . .	" 21

38. The composition of sets, etc., are contained in the following appendices :—

Unit artificers' tools . . . . .	Appendix 16
Harness, saddlery and packsaddlery . . . . .	18
Components of G. S. wagons . . . . .	41
Equipment for M. T. vehicles . . . . .	46
Equipment for mobile workshop lorry . . . . .	47 and 47-A
M. T. tools chests . . . . .	48
Equipment for breakdown lorry . . . . .	49

39. Instructions for painting are given in Appendix 30. For items of artillery equipment which are not to be painted and for the instructions for their cleaning, see Appendix 52.

40. For stores which will be purchased and maintained by units from the lines contingent allowance, see Appendix 57.

41. Unserviceable ground sheets if not available, *vide* para. 168, may be demanded as required subject to a maximum of 5 per cent. by units, for the repair of ground sheets on charge.

The cost of unserviceable ground sheets utilized under the authority of this paragraph and paragraph 168 for repair to ground sheets used without sanction will be debitable to the unit—*vide* paragraph 292.

Repairs to ground sheets will be carried out as follows :—

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A piece of material will be cut from an unserviceable ground sheet and solutioned on to the sheet requiring repair (in the same manner as used in repairing a bicycle tyre) and the patch will be machined round. No vulcanizer is required.

41-A. Materials and stores to supplement the fittings in units store-rooms will be supplied free on an "as required" basis by the I. A. O. C., from salvage stocks, on the authority of indents countersigned by the superior commander. The condition of these stocks should be such that the stores are unserviceable for the original purpose for which they were intended but can be utilised to improve the normal storage conditions in store rooms.

42. Signalling telescopes will be stored and issued without high power eyepieces. The latter will be stored separately and issued to Artillery units only on the scale laid down in E. Rs. (I.), Part 2 concerned.

Page 11—

Paragraph 4, sub-paragraph 4—

After the sentence "No vulcanizer is required" add "This method of repair applies to Mk. VII and Mk. X ground sheets".

Add the following new sub-paras. :—

"Repairs to Mk. IX and Mk. XI ground sheets made from double texture material will be carried out as follows :—

A piece of material will be cut from an unserviceable ground sheet, and the layer of the thinner material (*i.e.*, muslin) removed. The ground sheet requiring repair will have its layer of thicker material (*i.e.*, sheeting) detached from the damaged spot. The rubber of the cut piece is then solutioned on to the exposed rubber of the ground sheet under repair in the same manner as repairing a bicycle tyre. Finally the patches will be machined round the edges, and any exudation of rubber solution removed by gentle rubbing with a soft cloth slightly moistened with petrol or kerosene.

To avoid numerous small patches, pin holes and worn patches will be vulcanized. Pin holes will be vulcanized on both sides, and worn patches on one side only.

Where vulcanizing is necessary, such ground sheets should be returned for repair to the Ordnance Establishment on which dependent."

Case No. 10628/1/M. G. 9-C.

D. F. A. (O.) u/o No. 11760/R. P. of 1939.

D. D. Regr. No. 369/C. R. S. of 1940.

Amendment to E. Rs. (I.), Part I, Reprint, 1939.

No. 111 of May 1940.

*Page 11, Amendment No. 103 of March 1940—*

*Line 2, for “ Para. 4, Sub-para. 4 ” substitute “ Para. 41, Sub-para. 4 ”.*

Case No. 39817/3/M. G. 9-D.

Amendment to E. Rs. (I.), Part I, Reprint 1939.

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Paragraph 43, as amended by c/s No. 179 of 1942 is reconstructed as under :—

The designations and monograms of ordnance establishments, factories, and inspectorates are given below :—

(a) *Ordnance Establishments.*

Designation.	Station.	Monogram.
Central Ordnance Depot	Agra	A.G.D.
Ordnance Sub-Depot	Agra Fort	A.G.F.
Ammunition Sub-Depot	Fatehpur Sikri	A.G.S.
Port Issue Section	Alipore (Bengal)	C.P.A.
Ordnance Transit Depot	Alipore (Bengal)	C.T.A.
Ammunition Transit Depot	Alipore (Bengal)	C.A.A.
Ordnance Depot	Allahabad	A.L.D.
Ammunition Sub-Depot	Chunar Fort	A.L.C.
Ammunition Depot	Amla (Betul)	A.M.D.
Ordnance Transit Depot	Avadi (Madras)	A.V.D.
Ordnance Depot	Bannu	B.U.D.
Ordnance Depot	Baroda	B.R.D.
Ammunition Depot	Benares	B.N.D.
Ordnance Depot	Bhavnagar	B.H.D.
Ordnance Depot	Bhusaval	B.S.D.
Ordnance Depot	Bombay	B.B.D.
Sub-Depot	Butcher Island	B.B.B.
Sub-Depot	Kalyan	B.B.K.
Sub-Depot	Trombay	B.B.T.
Vehicle Distribution Depot	Berivili (Bombay)	B.V.D.
Central Ordnance Depot	Cawnpore	C.N.D.
M. T. Stores Depot	Chaklala	C.L.D.
Central Ordnance Depot	Chheoki	C.H.D.
Ordnance Depot	Cochin	C.C.D.
Ordnance Depot	Cossipore (Bengal)	C.C.C.
Ammunition Depot	Dehu	D.A.D.
Central Provision Depot	Dehu	D.P.D.
Central M. T. Stores Depot	Dehu	D.M.D.
M. T. Stores Depot	Delhi	D.H.D.
Ammunition Sub-Depot	Babugarh	D.H.B.
Ordnance Depot	Drigh Road	D.R.D.
D. O. S. Bulk Depot	Entally (Bengal)	C.B.E.
Ordnance Depot	Ferozepore	F.Z.D.
Ordnance Depot	Fort William	F.W.D.
Ordnance Depot	Harbanspura (Lahore)	H.P.D.
Sub-Depot	Sialkot	H.P.S.
Ammunition Depot	Jubbulpore	J.A.D.
Ammunition Sub-Depot	Jhansi Fort	J.A.J.
Ammunition Sub-Depot	Mhow Fort	J.A.M.
Central Ordnance Depot	Jubbulpore	J.O.D.
Ordnance Depot	Kala (Jhelum)	K.L.D.
Vehicle Depot	Kantapukur (Bengal)	C.V.K.
Ordnance Transit Depot	Karachi	K.T.D.
Ammunition Transit Sub-Depot	Malir	K.T.M.
Ordnance Sub-Depot	Mc. Hinch Road	K.T.H.
Ordnance Transit Depot	Kandivili	K.D.D.

Designation.	Station.	Monogram.
Ammunition Depot .. ..	Kasu Baga .. ..	K.B.D.
Vehicle Depot .. ..	Hyde Road (Kidderpore) .. ..	C.V.H.
Ordnance Depot .. ..	Kirkee .. ..	K.K.D.
General & P. V. Depot .. ..	Kirkee .. ..	K.V.D.
Ordnance Depot .. ..	Lahore .. ..	L.H.D.
Ordnance Depot .. ..	Mohameh .. ..	M.K.D.
Ordnance Depot .. ..	Muttra .. ..	M.R.D.
Sub-Depot .. ..	Aligarh .. ..	M.R.A.
Sub-Depot .. ..	Harduaganj .. ..	M.R.H.
Ordnance Depot .. ..	Nasik Road .. ..	N.K.D.
Ammunition Depot .. ..	Nowshera .. ..	N.W.D.
Vehicle Depot .. ..	Paharpur (Bengal) .. ..	C.V.P.
Ordnance Depot .. ..	Podanur .. ..	P.T.D.
Ammunition Depot .. ..	Pulgaon .. ..	P.G.D.
Ordnance Depot .. ..	Quetta .. ..	Q.T.D.
Ammunition Sub-Depot .. ..	Baleli .. ..	Q.T.B.
Ordnance Depot .. ..	Rampur .. ..	R.M.D.
Ordnance Sub-Depot .. ..	Chandausi .. ..	R.M.C.
Ordnance Sub-Depot .. ..	Rampur .. ..	R.M.R.
Ordnance Depot .. ..	Rawalpindi .. ..	R.P.D.
Ordnance Depot .. ..	Secunderabad .. ..	S.B.D.
Central Clothing Depot .. ..	Shahjahanpur .. ..	S.H.D.
Ordnance Depot .. ..	Shakurbasti (Delhi) .. ..	S.R.D.
Ordnance Transit Depot .. ..	Vizagapatam .. ..	V.T.D.

(b) Ordnance Inspectorates (Acceptance Marks).

Inspector.	Station.	Acceptance Mark.
Inspector of Ammunition .. ..	Kirkee .. ..	I $\uparrow$ A
Inspector of Armaments .. ..	Khamaria .. ..	K $\uparrow$ A
Inspector of Guns & unfilled Ammunition	Cossipore .. ..	I $\uparrow$ G
Inspector of Small Arms .. ..	Ishapore .. ..	S $\uparrow$ A
Inspector of Military carriages	{ Jubbulpore .. ..	I $\uparrow$ C
	{ Dohad .. ..	I $\uparrow$ C For stores produced G. C. Fy., Dohad.
Chief Inspector of Military Explosives	Kirkee .. ..	I $\uparrow$ T
Inspector of Metal & Steel .. ..	Ishapore .. ..	M $\uparrow$ S For finished stores.
		M $\uparrow$ S For rough forgings, castings, and round articles.
Inspector of Scientific Stores .. ..	Calcutta .. ..	S $\uparrow$ S
Inspector of Bren Guns .. ..	Secunderabad .. ..	B $\uparrow$ G
Inspector of Chemical Warfare Weapons	Kirkee .. ..	C $\uparrow$ W

The following blocks of letters are allotted for each area for General, Harness and Saddlery and Medical Stores :—

North India Area .. ..	P.N.J.R.
Central India Area less Cawnpore .. ..	D.E.L.I.
Cawnpore .. ..	C.A.W.
Bengal Area .. ..	H.S.T.G.
South India Area .. ..	M.K.V.Z.
Bombay Area .. ..	B.O.Y.

Each letter or combination of letters represents a series of examiners from 999. The first series in each area will be the initial letter of the block followed by Government Acceptance Mark and this in turn by the letter or number of the inspector or examiner, e.g.—

P  $\uparrow$  47

P. N.  $\uparrow$  375

P. J.  $\uparrow$  E.

Letters are used by Gazetted Officers, numbers by non-gazetted staff.

Stores accepted under any deviation have a 'D' stamped on them immediately below the Acceptance Mark thus "C  $\uparrow$  47"

D

Stores accepted under an overrule order are stamped with a circle enclosing the Acceptance Mark over the usual Acceptance Mark thus:—

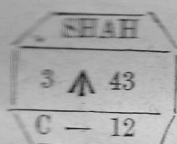


6  $\uparrow$  149  
I

The Acceptance Marks on stores manufactured in Clothing Factories consist of—

- the monogram of the inspection depot.
- Government acceptance marks.
- month and year of inspection.
- examiners' distinguishing marks.

These details may be enclosed in a circular or octagonal figure and an example for Shikharpur:—



Monogram.

Month and year of inspection with Government Acceptance Mark between.

Examiners' distinguishing mark.

The monograms for the remaining depots are as follows:—

LAHORE ..	..	C.F.L.	SIALKOT ..	..	..	SLK.*
DELHI ..	..	H.I.	AGRA ..	..	..	A.
CALCUTTA ..	..	C.L.	MADRAS ..	..	..	M.C.
SECUNDERABAD ..	..	HYD.	BOMBAY ..	..	..	B.O.
AHMEDABAD ..	..	A.**				

\* at the top in an octagonal stamp.

\*\* at the bottom in a circular stamp.

### (c) Ordnance Factories.

Designation.	Station.	Initials.	Monogram.
Metal & Steel Factory ..	Ishapore ..	.. M.S.F.	.. M.S.F.
Gun Carriage Factory ..	Jubbulpore ..	.. G.C.F.	.. J.
Ammunition Factory ..	Kirkee ..	.. A.F.K.	.. K.F.
High Explosives Factory ..	Kirkee ..	.. H.E.F.	.. H.E.
Carbine Factory ..	Aruvankadu ..	.. C.F.A.	.. C.F.
Rifle Factory ..	Ishapore ..	.. R.F.I.	.. R.F.I.
Gun & Shell Factory ..	Cossipore ..	.. G.S.F.	.. Co.
Harness & Saddlery Factory ..	Cawnpore ..	.. H.S.F.	.. Ca.
Mathematical Instrument Office.	Calcutta ..	.. M.I.O.	.. M.I.O.
Ordnance Factory ..	Dohad ..	.. O.F.D.	.. O.D.
Ordnance Factory ..	Khamaria ..	.. O.F.K.	.. O.K.

No. 179 OF MARCH 1942,

Part II (Page 15 of the 1941 reprint)—

Paragraph 42, as amended by c/s, No. 175 of December 1941.

Under head Depots—

For Arms-Vehicle Depot

Read Arms .. .. . A. V. D

For Avadi (Madras)-Transit-Depot .. .. . A. D.

Read Ordnance Transit-Depot Avadi .. .. . M. T. D.

Under head Inspection (acceptance marks).

For Inspector of Guns.

Read Inspector of Guns and Unfilled Ammunition.

Against Inspector of Small Arms.

For I  $\uparrow$  S

A

Read I  $\uparrow$  A

S

Against Inspector or Gun Carriages & Vehicles

Delete Jubbulpore

Substitute Jubbulpore { Jubbulpore  
Dohad

I  $\uparrow$  C

I

I  $\uparrow$  C

I

I  $\uparrow$  C

I

D

For Chemical Inspectors, I. O. D.

Read Inspector of Explosives and Chemical Stores

Under Inspector of Explosives and Chemical Stores

Insert Inspector of Scientific Stores .. .. . Calcutta

S  $\uparrow$  S

I

Inspector of Metal and Steel, Ishapore

M  $\uparrow$  S

Case No. 28848/M.G. 7-C.

D. F. A. (O) Dy. No. 1001/0-4 of 1941.

D. D. Regr. No. 7/C.R.S. (R) of 1941.

Amendment to E. Rs. (I) Part I,  
Reprint, 1939 & 1941.

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1943

Page 12 (Page 15 of the 1941 reprint).

Paragraph 43, as amended by c/s No. 76 of December 1939.

Under head "Arsenals", add the following :—

"Jubbulpore (Arsenal and Depot) .. .. .

J. A."

Under head "Depots", add the following :—

"Avadi (Madras)—Transit Depot .. .. .

M. T. D.

Agra—Vehicle Depot .. .. .

A. V. D.

Cawnpore .. .. .

Ca. D.

Dehu—Ordnance Depot .. .. .

D. S. D.

Dehu—Central Provision Depot .. .. .

C. P. D.

Delhi .. .. .

D. D.

Nowshera .. .. .

N. D.

Secunderabad .. .. .

S. D."

Under new head "Sub-Depots", insert the following :—

"Bangalore .. .. .

B. S. D."

Case No. 28848/M. G. 7-C.

D. F. A. (O) Dy. No. 5712/O3 of 1941.

Amendment to E. Rs. (I), Part I, Reprint 1939 and 1941.

2179  
3/42



No. 76 of December 1939.

Page 12—

Paragraph 43—

Under head “ Depots ” *add* the following :—

“ Chaklala . . . . .	C. D.
Bannu . . . . .	W. D. B.”

Case No. 28848/M. G. 7-A.  
D. F. A. (O.) Dy. No. 6436/R. P. of 1939.  
D. D. Regr. No. 10091/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, Reprint, 1939.

## Araonalia,

## Factorion,

[illegible]

## SECTION II.—ORDINARY INDENTS.

44. Indents for the free issue of ordnance stores will only be submitted when their issue has been sanctioned by the G. of I. The following are the principal authorities for the demand of stores :—

Regulations for the Army in India.

Equipment Regulations (India).

Clothing Regulations, India.

Tentage Regulations (India).

War Equipment Tables.

Equipment Tables.

Army Instructions (India).

45. Indents for ordnance stores sanctioned in Army Instructions (India) must not be submitted until called for, unless it is specifically stated in the army instruction concerned that indents are to be submitted.

In the case of doubt as to the submission of indents enquiry will be made from the C. O. O. or O. O.

46. Indents are classed as yearly, half-yearly and quarterly and will be submitted in accordance with the classification and dates of submission as laid down in Appendix 59.

Recommendations for any change in the areas of supply or dates for the submission of indents, will be forwarded to the M. G. O.-in-India through the Headquarters of the Command concerned.

47. The attention of unit commanders is invited to Chapter X, R. A. I. The following special instructions are issued in connection with the preparation of indents :—

(i) I. A. F. Z.-2098 will be used in peace, and submitted as follows :—

(a) In original, when used as an indent only, except in the case of "checked indents" for mobilization equipment, which will be submitted in duplicate.

(b) In duplicate when used as a disposal order and indent, for all vocabulary sections other than those enumerated in clause (c) below.

(c) In triplicate, when used as a disposal order and indent, for the following vocabulary sections B-1, 2, 3 and 4, C-1, M-1, 2 and 3, N-1 and 2, O, P-1 and 2.

(ii) The authority for the issue of any stores indented for must always be quoted on the indent. Where the authority is not such as would be distributed to units and departments generally, a copy of it must invariably be attached to the indent.

- (iii) Separate sheets are required in the case of each section of the priced vocabularies of ordnance stores.

To facilitate early issue of stores in Section Mat-F, separate indents (or separate sheets) will be submitted for each alphabetical series as shewn below :—

Series No. 1	.	.	.	.	.	.	.	A to F
„ No. 2	.	.	.	.	.	.	.	G to P.
„ No. 3	.	.	.	.	.	.	.	Q to Z.

- (iv) Indents will be endorsed in column 2 of the form with the reason for submission, *i.e.*, “On payment”, “Annual allowance”, “To replace unserviceable”, “First issue”, “Replacement of losses”, “Station stores”, “Required on loan”, “Payment hire”. Separate indents are required for each nature of demand, separate sheets will be submitted also for petty and expendible stores which are not accounted for in unit ledgers. Such sheets will be clearly endorsed ‘Petty and Expendible’.
- (v) All indents will be given a serial number and date. The unit’s designation, station, reasons for demand as referred to in sub-paragraph (iv), and despatching instructions, will also be entered. In all cases where an indent involves the filling up of more than one sheet, each sheet will be similarly completed and given a consecutive number. Only the last sheet need be signed.
- (vi) Indents will always be signed by the unit commander (or an officer nominated by him), or by the O. C. detachment in out-stations, except in the case of Auxiliary Force units, in which case adjutants, who are regular officers, may sign indents on behalf of the unit commander during peace or until such time as Auxiliary Force units are embodied, when the normal procedure will be reverted to.
- (vii) The nomenclatures of stores as shown in the priced vocabularies will invariably be used, and entered alphabetically, sizes and marks where applicable will be shown in column I of the form.
- (viii) In the case of ordnance stores, of which a specific number or quantity is admissible annually, the number or quantity remaining on charge at the time of submission of the indent will be shown, and only that actually required to complete the annual allowance will be indented for (see also para. 60).
- (ix) Indents for components of recuperators will be accompanied by a suitable extract from the history sheet.

- (x) The authorised proportion and quantities on charge as serviceable and repairable of stores being demanded, will be shown on the indent in the columns provided on the form. This information will also be entered on indent forms in respect of component parts of complete stores.

48. One month before a unit moves from one arsenal area of supply to another, a list on A. F. G. 1042 in triplicate will be furnished to the O. C. by the C. O. O., shewing all indents for ordnance stores which cannot be completed before the move is due to take place. These lists will be completed by the O. C. unit in accordance with the instructions on the form, and disposed of as follows :—

- (i) One completed copy returned to the C. O. O. as early as possible.
- (ii) One copy handed over to the incoming unit for information.
- (iii) One copy retained as a record of stores due from the C. O. O. of the new area of supply.

Fresh indents for the supply of stores on A. F. G. 1042 due from the C. O. O. of the new area, will not be submitted, issue will be automatic on arrival of the unit in that area.

The above does not apply to indents for clothing and necessities, procedure for which is laid down in Clothing Regulations (India), 1935.

Unit under orders to proceed overseas will at once submit indents for any articles required to complete them to authorised scales.

The procedure for dealing with outstanding indents of units mobilized and proceeding on service is laid down in Mobilization Regulations, India.

49. Indents for stores which are authorised in unit equipment tables, but which are not considered necessary for the efficiency of the unit, will be represented under para. 232.

50. Indents for Indian units stationed in the China command will be submitted as prescribed in Appendix 59.

Unserviceable stores which are the property of the Government of India, will be disposed of locally and the sale proceeds credited to Indian revenues. Surplus stores (serviceable or repairable) which are the property of the Government of India will be returned to the chief ordnance officer, Allahabad.

51. Indents for the Indian unit stationed in the Malay Command will be submitted as prescribed in Appendix 59. The cost will be debited to the Federated Malay States Government.



52. The following special instructions are issued in connection with the demands for the replacement of unserviceable ordnance stores :—

- (i) Unit commanders will indent for stores which have become unserviceable through fair wear and tear. Demands for replacement of stores which have become unserviceable through other than fair wear and tear will be supported by a copy of I. A. F. A-498, duly sanctioned by the competent authority.
- (ii) Prior to the date for the submission of quarterly indents (see para. 46) all stores will be inspected thoroughly by the Squadron (Company, etc.) commander and any stores considered to be unserviceable or to have less than three months remaining field service life will be produced before the O. C. unit at a quarterly condemnation board. In the case of technical stores which cannot await the visit of the inspecting officer, action will be taken as laid down in para. 378. In all other cases, unserviceable stores and stores which are considered to have less than three months remaining field service life will be provisionally condemned by the O. C. unit and marked as laid down in para. 317(a).
- (iii) Stores which have remaining peace life will be returned to use until completely worn out when they will be produced to the Quartermaster for exchange. Stores so exchanged will be locked up in the Quartermaster's store and, prior to disposal in accordance with the C. O. O.'s orders on I. A. F. Z.-2098, will be placed before the O. C. unit at the next quarterly condemnation or as convenient to the latter for final condemnation.
- (iv) An indent will be prepared and submitted in advance for the replacement of all stores provisionally condemned, *vide* sub-para. (ii). On receipt of new stores, they will be retained in the Quartermaster's store until those they replace are completely worn out and withdrawn from use. The scales and authorised proportions laid down may be exceeded temporarily as a result of the operation of these rules (see para. 114-A).

NOTE.—The provisions of clauses (ii), (iii) and (iv) above do not apply to military hospitals in respect of those stores of which they hold a reserve percentage as laid down in Regulations for the Equipment of the Army (India), Part 2.

53. Indents for ordnance stores required as a "First Issue" must be submitted within six months of the date of publication of the authority or of the date on which stores are notified as available, whichever is later.

Indents for stores required as a first issue to complete to scale which have been delayed in submission beyond this period, will be submitted, with a full explanation as to why the stores are not already on charge, to the superior commander, who will consider the necessity for disciplinary action if the delay is not explained satisfactorily. He will then countersign the indent and pass it together with the explanation to the ordnance establishment concerned, for necessary action.

If compliance with demand is liable to cause a shortage of stock and so interfere with normal issues to other units, the C. O. O., or O. O., will not issue the stores but will report stock details to the A. D. O. S. P., Army Headquarters, so that special transfers or purchases may be made to meet the "first issues" demand. In such cases issues will not be made until these special stocks have been received by the ordnance establishment concerned.

54. On notification of a change of pattern involving the immediate withdrawal of that in use, indents will be forwarded for the new equipment, but unit commanders will not demand any article from store on account of a preference which they may have for a particular pattern.

55. For purposes of verification, handing and taking over of sets of tools and indenting for replacements of similar unserviceable articles which form part of complete sets of tools, units will invariably account for tools 'in detail' and not 'in sets'.

56. Indents and vouchers for equipment for the use of detachments will be signed by the unit commander or an officer nominated by him, unless the officer in command of the detachment is a direct accountant.

57. When time permits all indents for artillery ammunition will be submitted through the artillery brigade commander who will as far as possible arrange re-distribution of any small lots of cordite and fuzes that may exist between batteries in the brigade and the ammunition column.

58. To enable issues of ammunition of the same lots as those already on charge to be made, O's. C. when indenting for artillery ammunition will attach a list showing lot numbers and number in each lot of cordite and fuzes in possession.

59.

60. In preparing indents for material for repairing equipment unit commanders will certify on the indents that credit has been given therein for any material remaining on hand, and that the quantities demanded, together with these, do not exceed the authorised proportion.

60-A. Signal units will obtain their requirements of posts and telegraph pattern stores direct from the Posts and Telegraph Department.

Page 18—

No. 26 of August 1939.

Section III—

Paragraph 62, under “Class II Payment Indents” delete “Private persons”.

Case No. 26105/M. G. 7-A.

D. F. A. (O.) u/o No. 3777/R. P. of 1939.

D. D. Regr. No. 5262/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).

The cost of such stores will be debitable to the cash allotment laid down for the purpose in P. & A. Regulations.

### SECTION III.—PAYMENT INDENTS.

61. Payment indents may be submitted at any time in original. The indents will be endorsed "on payment" and the rules in para. 47 followed in their preparation. The regulations concerned and the necessity for demand will invariably be stated on the indent. Demands for articles required on payment and articles issued free will not be included on the same indent.

62. The following can ordinarily submit demands on payment, subject to the reservations in paragraphs that follow :—

#### CLASS I PAYMENT INDENTS.

The Royal Navy.

The Royal Indian Navy.

The Royal Air Force.

The Indian Air Force.

Army units (see R. A. I.).

The War Office.

Colonial Governments.

Port Trusts.

Guaranteed Railways.

Government Departments.

Indian States Forces (for stores to maintain or replace arms and equipment issued free).

Indian States.

#### CLASS II PAYMENT INDENTS.

Civil Institutions.

Private persons.

#### CLASS III PAYMENT INDENTS.

Indian States Forces (for all stores other than those shown under Class I—Payment Indents).

#### CLASS IV PAYMENT INDENTS.

British Officers of the Army and R. A. F.

63. Class I payment indents will be governed by the following instructions :—

(a) Indents for authorized stores, that is for those stores or materials which form part of the equipment of individuals and units or for which scales are laid down in

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equipment or other regulations, are to complete the unit or individual to the scale laid down, and will be complied with without further reference. The regulations concerned and the necessity for the submission of a payment demand will be stated on the indent.

(b) Indents for unauthorised stores, i.e., those stores not covered by (a) above will be dealt with as under:—

(i) Indents for stores, other than arms and ammunition, will be complied with if stocks permit: they will be forwarded to the C. O. O. concerned who will obtain the sanction of the A. D. O. S. P. if considered necessary.

NOTE.—Indents of Police, Telegraph, Public Works and other departments must be countersigned by the local administrative head of the department concerned, before submission. In Assam, District Superintendents of Police may indent direct for stores up to a limit of Rs. 250 for each item. In the Bombay Presidency, indents will be countersigned by superintendents of police. Employees of Government Departments will demand through the heads of their departments.

(ii) Indents for small arms and ammunition for the use of police and irregular units of Indian States, which are not included in the Indian States Forces schemes, will be sanctioned by the Local Governments or political officers concerned, in consultation with the local district or Independent Brigade Area Commander, and without reference to the Government of India. In the case of Baroda, the political officer will also consult the Bombay Government. Indents will be forwarded direct to the A. D. O. S. P., M. G. O. Branch, A. H. Qrs., who will indicate the arsenal of issue and settle financial details, if necessary.

NOTE.—The issue of arms and ammunition other than small arms will require the sanction of the Government of India.

(iii) In the case of all other units not administered by the Defence Department, the issue of arms and ammunition will require the sanction of the Government of India.

(iv) The necessity for demand will invariably be stated on the indent.

(c) *Indian States Forces*.—The policy regarding the supply of stores and equipment to Indian States Forces is to provide their equipment as far as possible from government stocks. Class A and B units receive an initial issue of certain arms, machine guns, connected stores, armourers tools, and cleaning materials free, and maintain and replace them at their own expense. These articles remain the property of the Government of India and are accounted for in I. S. F. equipment ledgers (I. S. F. 8). Payment indents from Indian States Forces for stores (including materials and components

No. 2 of July 1939.

Page 19—

At the end of paragraph 63 (b) (i), and before Note thereto—

Insert “Indents for unserviceable ordnance stores and Clothing will not be accepted, but see note to paragraph 116 of Clothing Regulations (India).”

Case No. 19178/M. G. 7-A.

D. F. A. (O.) u/o No. 82/O. of 1939.

D. D. Regr. No. 5077/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).



No. 143 of January 1941.

*Page 19—*

*Paragraph 63—sub-paragraph (b) (i) as amended by correction slip No. 2  
of July 1939.*

*In line 3 for “C. O. O.” read “C. O. O./O. O.”*

Case No. 19178/M. G. 7-A.

D. F. A. (O.) u/o No. 12382/O-2 of 1940.

D. D. Regr. No. 15014/C. R. S. of 1940.

Amendment to E. Rs. (I.), Part 1, 1933 (Reprint 1939).

Paragraph 65—

Insert the following as a new sub-paragraph *after* subparagraph 2 :—

“Application for sanction temporarily to retain on unit charge ammunition in excess of quantities authorised to be retained will be dealt with by the M. A.-in-C. Temporary retention will be held to cover a period not exceeding 3 months.”

Case No. 14314/M. G. 7-A.

D. F. A. (O.) Dy. No. 7411/R. P. of 1939.

D. D. Regr. No. 9889/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, Reprint, 1939.

for repair) to maintain or replace the arms and equipment issued free, should be endorsed "Class I Payment" and will be countersigned by the Military Adviser of the circle. When arms, machine guns, guns, their components and connected equipment are issued as replacements, an equal number of similar weapons or articles previously supplied will be returned to the I. A. O. C., or disposed of locally under the orders of the C. O. O. in accordance with para. 162.

64. Class II payment indents will only be complied with if stocks permit, except in the case of demands for arms and ammunition which require the prior sanction of the G. of I. In the case of stores other than arms and ammunition the prior sanction of the A. D. O. S. Provision, A. H. Q., will be obtained if considered necessary by the officer in charge of the ordnance establishment concerned. The cost of the stores will be deposited in a government treasury by civil institutions and private individuals, before any stores demanded on payment may be removed from the ordnance establishment, making the issue. No ordnance stores will be sold to private individuals or civilians employed in supplying departments.

65. Class III payment indents. Ordnance stores required by Class A and B. Indian States Forces units in addition to those dealt with in para. 63 (c), and by Class C units and Indian States Militia, may be obtained on payment, if available, from the I. A. O. C. such indents will be endorsed "Class III payment" and will be submitted by units direct to chief ordnance officers for disposal. Payment indents for arms, machine guns, and guns in excess of sanctioned scales require the previous sanction of the Government of India. When stocks do not permit of issue being made, the indents will be referred to the A. D. O. S. Provision, A. H. Q., who will endeavour to arrange supply from other arsenals, or by special provision.

Indents for .303" and pistol ammunition will be countersigned by the military adviser of the State who will certify on the indent that the balance of ammunition on hand, *plus* the amounts under demand, does not exceed the scale laid down. The fresh supply of ammunition of this nature is conditional on the return of an equivalent number of fired cases, for which a refund is made at the rates laid down in para. 143. Indents for all types of ammunition in excess of sanctioned scales will be countersigned by the military adviser concerned and will be submitted through the M. A.-in-C., I. S. F. to the D. O. S., Army Headquarters, for sanction. C277

Indents for ammunition for muzzle loading and smooth bore arms are forwarded by the political officer or military adviser, after countersignature direct to the arsenal on which the State is dependent. Such indents are subject, in the case of ball ammunition, to a limit of 40 rounds per annum for each arm, and in the case of 12/30

units not yet classified as A or B to a limit of 30 rounds per annum for each pistol; there is, however, no limit in the case of buckshot and blank ammunition for smooth bore arms or for smooth bore cannon.

Before forwarding indents the political officer or the military adviser concerned is required to satisfy himself that the ammunition to be replaced has been actually or nearly expended. The fresh supply of ball ammunition is conditional on the return to the arsenal of an equivalent number of fired cases but this condition may be relaxed in special cases by political officers under the terms of their instructions.

Indents for ammunition (other than S. A. A.) and explosives will be submitted to military advisers in respect of A and B class units and to political officers in respect of C class units for countersignature accompanied by a statement showing quantities on charge and average expenditure over the past three years. Before countersigning such indents, due regard will be paid by military advisers and political officers, to the quantities held on charge compared with the average expenditure.

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66. ~~Class IV payment demands will only be complied with if the~~ officer in charge of the establishment considers that his stocks permit of issue. The indenter will certify that stores demanded are required for his personal or household use. ~~Stores will not be transferred from one establishment to another or specially ordered to meet demands of this nature.~~

In the case of officers serving with or attached to units, their requirements will be met from unit stores if available. If not available from this source indents will be preferred by the Unit Commander who will be responsible for recovering payment from the officer.

Only officers not serving with or attached to a unit can submit indents direct on ordnance establishment.

67. The following orders govern the issue of arms on payment. Attention is also invited to para. 222, R. A. I.

- (i) Rifles or carbines may be issued on payment for match shooting purposes to British and Indian officers of regular units, Auxiliary and Indian Territorial Forces, Indian States Forces, Inspectors of Police in Burma and officers above that rank, warrant officers and staff serjeants (Regular and Auxiliary Forces), and departmental N. C. Os. Also to Auxiliary and their India Territorial Force units up to 2 per cent. of strength.
- (ii) Bored out or smooth bore arms may be issued to any of the individuals mentioned above with the exception of Auxiliary and Territorial Force units. These arms come under the rules for private arms of Indian Troops.

No. 3 of July 1939.

*Page 21, paragraph 66—*

*Delete first line and insert—*

“Class IV payment indents will be accepted, for serviceable stores or clothing only and will be complied with only if the”.

Case No. 19178/M. G. 7-A.

D. F. A. (O.) u/o No. 82/O. of 1939.

D. D. Regr. No. 5077/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).

Page 21—

Paragraph 66—

In line 4, after “ use ” insert—

“ In the case of a demand for bulk supply on behalf of a number of officers, this certificate will be signed by the O. C. unit for the officer authorised to sign the indent on behalf of the O. C.

Case 32377/M. G. 9-C.  
D. F. A. (O.) Dy. No. 3425/O. of 1939.  
D. D. Regr. No. 7795/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, Reprint, 1939.

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No. 104 of March 1940.

Page 22—

Paragraph 71-A, sub-paragraph (i)—

Add the following after “commitments”.

“Stores demanded as debitable to the Training Grant if not a,  
for issue on loan will be specially provided.”

Case No. 29926/M. G. 7-A.

D. F. A. (O.) u/o No.                      of 1939.

D. D. Regr. No. 548/C. R. S. of 1940.

Amend ment to E. Rs. (I.), Part I, Reprint, 1939.

(iii) Pistols may be issued only to officers holding His Majesty's Commission, except officers of the A. I. R. O.

(iv) The arms referred to in (i) and (ii) above will be separately shewn in the ledgers of the unit to which the individual belongs, and will be shewn in the annual returns, etc. Indents will bear a certificate by the individual or unit commander concerned that the arms demanded are for personal or unit use. Rifle arms, excluding pistols, will be returned to the I. A. O. C., when :—

(a) no longer required for personal or unit use,

(b) the individual or unit finally leaves India,

(c) the individual becomes non-effective. Pistols of officers holding His Majesty's commission may also be returned to the I. A. O. C. when such officers become non-effective.

(v) Arms will only be used for the prescribed purpose and must, on no account, be taken out on shooting expeditions.

68. Tools artificers may be demanded on payment by Os. C. British units for voluntary workshops, and on receipt become the property of the individual or unit.

69. In cases of emergency, officers in charge of ordnance establishments may sanction the issue, on payment, of stores which ordinarily require the prior sanction of the D. O. S. All such cases will be referred immediately they occur to the D. O. S. for covering sanction, with a report as to the circumstances under which issue was made.

70. The rates at which recoveries are to be made in the case of ordnance stores issued on payment, are laid down in the "Instructions for rates in the priced vocabularies of stores for India, Abridged edition, Part II, and Supplements Nos. 1 to 5", and the "Vocabulary of Ordnance stores, India".

71. Units may demand "on payment" a small stock of mugs and plates up to a limit of 5 per cent. of the strength of the unit for re-sale to the men under unit arrangements.

### SECTION III-A.—LOAN ISSUES.

71-A. The special issue of non-expendible ordnance stores (except tentage, in regard to which see Tentage Regulations) or loan for temporary purposes, other than experiments and tests, will be governed by the following rules :—

(i) The stores will be issued only if they are required for a definite military purpose (including military tournaments) and are available in the particular arsenal or depot concerned after allowing for normal known commitments.

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In cases of urgency, however (such as issues on medical grounds), the C. O. O. or O. O. concerned may issue stores which cannot be regarded as available when known commitments are considered, an immediate report being submitted to the A. D. O. S. P., A. Hqrs., explaining the circumstances of the case. Recurring loan issues for the same purpose will not be sanctioned. In such cases recommendations will be made for alterations to scales in accordance with paragraph 232.

As far as possible requirements will be foreseen well ahead of the training period, etc., and the longest possible notice given to the I. A. O. C.

(ii) The loan issue of such stores will require sanction as prescribed below :—

Sanctioning Authority.	Period.	To what extent.
(a) Brigade Commander .	Not exceeding 12 months	Book value of the stores not to exceed Rs. 100.
(b) Distt. or. Ind. Bde. Commander.	6 months except in the case of stores required for anti-malarial measures which may be sanctioned for a period of 9 months.	Stores in excess of Rs. 100 in value; without financial limit.
(c) G. O. C.-in-C. . . .	In excess of the periods laid down at (b) above and not exceeding 12 months.	As necessary—no financial limit.
(d) M. G. O. with the concurrence of Financial Adviser, Military Finance.	Issues for a period in excess of 12 months.	Book value of the stores not to exceed Rs. 10,000.

NOTE.—Stores required to meet an emergency (in aid of civil authorities or otherwise) may be issued on the authority of the local Brigade of station commander, who will obtain the covering sanction of the competent authority as prescribed above.

(iii) The indents for stores required for temporary purposes will be submitted to the sanctioning authority, through the prescribed channel and will be accompanied by a statement showing the necessity for the issue. In cases when stores are required on medical or veterinary grounds, the opinion of the highest local medical or veterinary authority will be obtained and forwarded with the indent.

No. 105 of March 1940.

*Page 23—*

*Paragraph 71-A, sub-paragraph (ii)—*

*Item (d), column 2—*

*For “ Issues for a period in excess of 12 months,” substitute “ Any period”.*

Case No. 29926/M. G. 7-A.

D. F. A. (O.) u/o No. 5265/R. P. of 1939.

D. D. Regr. No. 548/C. R. S. of 1940.

Amendment to E. Rs. (I.), Part I, Reprint, 1939.

- (iv) The sanctioning authority concerned, if satisfied that the stores are required for a definite temporary military purpose, will specify the period for which the stores are to be retained and countersign the indents before they are forwarded to the arsenal or depot concerned.

In the case of stores required for the purposes specified in column 2 of the statement in para. 296, loan issues from I. A. O. C. working stocks will be sanctioned only if the stores are not available in the mobilization equipment in unit charge.

If, after known commitments have been considered, the stores are available for the period for which required the indents will be complied with but if they are not available the indents will be returned to the sanctioning authority by the arsenal or depot concerned, giving reasons for non-compliance. Should the circumstances warrant it the sanctioning authority will refer the matter to A. Hqrs.

- (v) In the event of any such stores not being returned to the I. A. O. C. at the termination of the sanctioned period, the C. O. O. or O. O. concerned will expedite their return. In cases where the return of stores has been unnecessarily delayed, the C. O. O. or O. O. will report the matter to the sanctioning authority for such action as may be considered necessary.

- (vi) The losses and repair charges involved by loan issues from stock will be dealt with as follows :—

(a) If the change in condition is certified by the I. A. O. C. as due to fair wear and tear, the loss or extra cost involved will be borne by the I. A. O. C.

(b) Losses and damage due to unfair wear and tear will be dealt with in accordance with the rules in Financial Regulations, Part I.

- (vii) Stores temporarily on charge of a unit may be transferred to another unit with the sanction of the competent authority and the C. O. O. or the O. O. concerned.

The O. C. of the unit requiring the stores will submit an indent duly completed, through the competent authority, to the C. O. O. or the O. O. concerned. The unit with which the stores are available will be indicated in the indents.

The stores transferred will be struck off charge, by the unit relinquishing them on I. A. F. Z. 2096, a copy of which will be forwarded to the C. O. O. or O. O. concerned and brought to account by the unit receiving them.

The O. C. of the indenting unit will sign a certificate to the effect that the stores have been received in the condition as stated by the relinquishing unit.

71-B. The issues of I. A. O. C. stores (other than tentage in regard to which see Tentage Regulations), on temporary loan to R. A. F. (for army co-operation and other purposes), local Governments, civil authorities and others not administered by the Defence Department will be governed by the following conditions and rules :—

(i) *Conditions of Issues.*

- (a) The cost of packing and freight in both directions will be borne by the indenter.
- (b) Losses due to change in condition, whether due to fair wear and tear or otherwise, will be charged against the user of the stores, when the stores are returned to the I. A. O. C. The loss in such cases would be the actual cost of putting the stores in a serviceable condition.
- (c) If the stores issued on loan are not returned to the I. A. O. C. within a period of 6 months from the date of issue, their full value will be charged against the department, etc., concerned.

(ii) *General Rules.*

- (a) Stores required by R. A. F. units will be demanded direct from the arsenal or depot concerned who will issue the stores if stocks permit. The prior sanction of the A. D. O. S. P., A. Hqrs., will be obtained if considered necessary, by the C. O. O. or O. O. concerned. The issue of arms and ammunition will, however, require the sanction of the M. G. O.
- (b) In the case of local Governments, civil authorities and others not administered by the Defence Department, loan issues will be sanctioned as follows :—
  - (1) *Arms and ammunition.*—By the Government of India.
  - (2) *Other stores.*—By the M. G. O. with the concurrence of the Financial Adviser, Military Finance.
- (c) Requests from the civil authorities for stores in cases of emergency will be made through the nearest brigade or station commander whose sanction will be sufficient authority for immediate issue. The facts will then be reported to A. D. O. S. P., A. Hqrs.



No. 106 of March 1940.

Insert new para. 71-D.—

- “(i) If stores demanded on loan for training purposes under para. 71-A are not available for issue, the Ordnance establishment concerned will inform the indenter that the stores required are not available for issue on loan, and, at the same time, furnish an estimate of cost of special provision (including local purchase by the Ordnance establishment) *plus* departmental and freight charges.
- (ii) If the indenter is unable to purchase locally at rates cheaper than the inclusive cost of special provision by Ordnance, the Ordnance establishment concerned will be asked to proceed with special provision and change the indent from “Loan” to “Payment”. The necessary funds will then be paid by the unit or formation concerned, from the Training Grant, into the treasury, and the treasury receipt forwarded to the C. M. A. concerned for adjustment.
- (iii) If the indenter is able to purchase locally at rates cheaper than the inclusive cost of special provision by Ordnance, he should inform the C. O. O. or O. O. of the Ordnance establishment concerned, who will cancel the indent and sanction local purchase.
- (iv) Stores obtained under the provisions of (ii) and (iii) above will be brought to account in the Training Grant stores ledger of the unit or formation concerned.”

Case No. 29926/M. G. 7-A.

D. D. Regr. No. 548/C. R. S. of 1940.

No. 35 of September 1939.

Page 26, paragraph 73 as amended by amendment No. 5 of July 1939, is re-constructed as follows :—

Units in possession of forges will demand from ordnance only 60 per cent. ready made shoes of the scale fixed by the Superior Commander *vide* paragraph 72. The remaining shoes will be made up in units forges from old shoes and 5 per cent. bar iron demanded from ordnance.

In the case of the Indian Cavalry Regiment in the Zhob the scale will be 40 per cent. ready made shoes and 25 per cent. bar iron.

The weight of worn out shoes in excess of the amount retained for re-working into new shoes will be reported, as scrap metal, to the C. O. O., or O. O., for disposal orders.

Case No. 30911/1/M. G. 9-B.  
D. F. A. (O.) u/o No. 5110/R. P. of 1939.  
D. D. Regr. No. 6693/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).

No. 4 of July 1939.

Paragraph 72 is reconstructed as follows:—

“72. Superior Commanders will fix local scales shewing the number of shoes and nails to be allowed per government animal for peace maintenance.

These scales, with any subsequent modifications, will be published in local orders. The maximum scale of shoes to be issued is fixed at one set per month for each government animal to be shod; this scale will be allowed only when rendered necessary by local conditions.”

Case No. 26246/M. G. 9-B.  
D. F. A. (O.) u/o No. 809/R. P. of 1939.  
D. D. Regr. No. 5077/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).

Page 26, paragraph 73—

No. 5 of July 1939.

*e. 35*  
*9/39*

The first sentence of paragraph 73 is reconstructed as follows :—  
“Units in possession of forges will demand from Ordnance only 65 per cent. of the scale of shoes fixed by the superior commander and referred to in paragraph 72 (i.e., 60 per cent. ready made shoes and 5 per cent. bar iron).”

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).  
Case No. 26246/M. G. 9-B.  
D. F. A. (O.) u/o No. 809/R. P. of 1939.  
D. D. Regr. No. 5077/C. R. S. of 1939.

### SECTION III-B.—INDENTS FOR EXPENDIBLE STORES IN EXCESS OF AUTHORISED SCALES.

71-C. Indents for expendible stores (not covered by paragraphs 30 and 252) in excess of the annual allowances will be submitted, with an explanation, to the brigade commander for countersignature. If the brigade commander is satisfied that the issue is warranted by circumstances and that no waste or misuse of allowances has occurred, he will countersign the indent and forward to the C. O. O. or O. O. for compliance.

Issues will normally be limited to one month's supply. Issues in excess of this quantity or a second excess issue of the same store will require the sanction of the district or independent brigade commander.

In the case of stores recommended by a C. C. M. A., O. M. E. or I. O. O., a copy of such recommendation will be attached to the indent.

71-D

### SECTION IV.—SHOES FOR ANIMALS.

72. Superior commanders will fix local scales showing the number of shoes and nails to be allowed per government animal, which scale, with any subsequent modifications, will be published in local orders. The maximum scale of shoes to be issued is fixed at one set per month for each government animal to be shod. This scale will only be allowed when rendered necessary by local conditions.

73. Units in possession of forges will demand only 65 per cent. of their scale of shoes (i.e., 60 per cent. ready made shoes and 5 per cent. bar iron). The remaining 35 per cent. will be provided from worn out shoes, which together with the 5 per cent. of bar iron, will be made up in the forges of units. The weight of worn out shoes in excess of the amount retained for re-working into new shoes will be reported, as scrap metal, to the C. O. O., or O. O., for disposal orders.

75. Units will manufacture their requirements of "Shoes, horse, I. P., heavy draught" locally. The material required will be found from the sanctioned allowance of bar iron.

76. The full quantity of nails for all authorised animals (including removals) will be demanded, plus 5 per cent. as spare. The sizes of the shoes and nails (see Appendix 13), and the brigade or district order authorising the scale will be stated in demands. The number of nails per lb. is given in Appendix 13.

77. (a) Shoes and nails (paragraphs 72 to 76) are not admissible to animals on charge of Government Grass and Dairy Farms. In stations where regimental farriers are available, horses will be shod by regimental farriers with the permission of the commanding officer concerned at an inclusive remuneration of Rs. 3 for each horse shod. In other stations horses will be shod under local

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arrangements at the local prevailing rate to be sanctioned under the financial powers of Assistant Directors of Grass and Dairy Farms.

(6) Other animals will be shod as and when required at the local prevailing rate to be sanctioned under the financial powers of Assistant Directors of Grass and Dairy Farms.

78. If "all round" shoeing is not carried out, sufficient shoes and nails will be kept in store properly fitted to enable this to be carried out, should the necessity arise.

79. To ensure the turnover of shoes referred to in paragraphs 78 and 82 they will be drawn upon every quarter to the fullest extent possible, such withdrawals being replaced from the new receipts.

80. All horses the property of the public, for which hiring charges are paid by officers and all horses the private property of officers will be shod at the officers' expense.

81. Shoes and nails will not be supplied "on payment" for officers' horses not shod in an Army farriery. Where neither military facilities for shoeing nor commercial facilities for purchasing shoes exist, C. O. Os. may accept indents for shoes and nails.

81-A. Government chargers for which hiring charges are not paid will be entitled to free shoeing. In stations where no military facilities for shoeing exist, an allowance for fitting, based on prevailing netrick rates, will be made monthly to cover the cost of shoeing Government chargers under local arrangements. Optional chargers will continue to be shod as heretofore at the officers' own expense.

82. A spare set of shoes (with nails) will be maintained by units as mobilization equipment for every Government animal authorised in the war establishment. The shoes and nails are shewn in the appropriate W. E. T.

The shoes will be fitted in peace ready for immediate use to every animal on the strength of the unit passing from the peace to the war establishment.

### SECTION V.—DESPATCH OF STORES.

83. Government stores will ordinarily be despatched in accordance with the instructions contained in R. A. I.

83-A. When consignments of stores are despatched by rail to I. A. O. C. establishments they will be addressed in the manner prescribed in Appendix 60.

84. All consignments of arms and ammunition for Waziristan will be despatched by passenger train and, 24 hours prior to despatch, telegraphic intimation will be sent to the consignee informing him of the nature and weight of the stores, date of despatch, route and railway station to which booked.



Paragraph 78 is *reconstructed* as follows :—

“78. In addition to the shoes authorised under paragraph 72, units [except A. T. T. Coy's (M.)] will maintain shoes (with nails) as shewn below for all government animals authorized in the peace establishment of the unit. These shoes will be held as peace equipment to be available to accompany the unit on mobilization and will accompany all government animals on transfer.

- |   |   |
|---|---|
| (a) Horses, ponies, tats and light draught mules. | 100 per cent. fore and hind shoes, fitted in peace ready for immediate use.                                 |
| (b) Mules, other than light draught mules.        | 100 per cent. fore shoes, fitted accurately every six months.<br>50 per cent. hind shoes (assorted sizes).” |

Case No. 26246/M. G. 9-B.

D. F. A. (O.) u/o No. 809-R. P. of 1939.

M. G.-9-D. Regr. No. 5077/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).

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Page 27—

No. 131 of October 1940.

Paragraph 78 (as reconstructed by Amendment No. 6 of July 1939)—  
Add at end of second sentence :—

“ This order is not applicable to animals transferred to and from  
mount Depots ”.

Case No. 26246/M. G. 9-B.

D. F. A. (O.) u/o No. 8477/O-2 of 1940.

D. D. Regr. No. 8649/C. R. S. of 1940.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).

No. 7 of July 1939.

Page 27, paragraph 79—

For “ paragraphs ” in line 1, read “ paragraph ”.

Delete “ and 82 ” in line 2.

Delete paragraph 82.

Case No. 26246/M. G. 9-B.

D. F. A. (O.) u/o No. 809/R. P. of 1939.

D. D. Regr. No. 5077/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).

No. 191 of October 1942.

Page 27 (31 of the 1941 reprint)—

Paragraph 81-A is reconstructed as follows:—

“81-A. Government chargers and other Government animals for which hiring charges are not paid will be entitled to free shoeing.

In stations where no military facilities for shoeing exists, an allowance based on prevailing nerrick rates will be made monthly to cover the expenditure on trimming and rasping the feet of, and fitting shoes to, all Government chargers and other Government animals under local arrangements.

Optional chargers will continue to be shod as heretofore at the officer's own expense.

Case No. 28105/M. G. 9-B (ii).

D. F. A. (O.) u/o No. 13957/O-2 of 1942.

Amendment to E. Rs. (I.), Part I (Reprint 1939 and 1941).

The consignee will be responsible that any undue delay in delivery is at once brought to the notice of the railway authorities and that action as laid down in R. A. I. and I. A. F. Z-2000 is taken immediately.

85. The establishment issuing stores to the Nepal Government will send an intimation to the British Envoy, 15 days in advance of the date on which the stores will be despatched, with a mention of the date on which the consignment is expected to reach Raxaul.

The issue vouchers and the consignment will be sent addressed to the British Envoy, but the railway receipt will be sent to the British Legation Overseer, Raxaul. The railway station to which stores should be booked is "Raxaul" and the vouchers will be forwarded as soon as the stores are despatched.

86. In the case of authorised payment demands from units and departments administered by the Defence Department of the Government of India and demands from units of the Indian States Forces for stores to replace the initial free issue of arms and equipment, the stores demanded will be despatched at military traffic rates on credit notes, and all losses or damage in transit will be dealt with as laid down in Regulations for the Army in India.

87. In the case of payment demands from—

- (i) other departments of the Government of India or units administered by them ;
- (ii) individuals, units and departments administered by the Defence Department, for unauthorised stores ;
- (iii) civil institutions and private persons ;
- (iv) Indian States Forces, for stores other than those mentioned in para. 86 ;

the military authorities will not be liable for any loss or damage in transit. Stores issued in compliance with payment demands will be despatched as follows :—

- |                                      |   |
|--------------------------------------|---|
| (a) M. E. S. and Civil Departments   | On a Civil Credit Note Form S. 142 which will be furnished to the supplying establishment for the despatch of the stores. |
| (b) Other categories mentioned above | At military traffic rates on Credit Notes.  |

At the discretion of the indenter, and to permit of claims for loss or damage being raised against the railway, the stores may however be sent bearing "freight to pay" at the ordinary tariff rates.

88. In the case of Indian States Forces who elect to have stores sent at the ordinary tariff rates, a refund equal to the cost of sending the stores at military rates will be admissible on application to the controller of military accounts concerned, since ordinary freight charges are not leviable on payment issues to Indian States Forces units.

89. In the case of issues to the Royal Air Force, the stores will be despatched on credit notes endorsed "Debitable to Head 10—R. A. F. of the Defence Services Estimates" and losses or damage in transit will be dealt with by the Royal Air Force authorities and adjusted under Head 10—R. A. F. of the Defence Services Estimates.

90. Neither gunpowder nor ammunition of any kind will be forwarded to an ordnance establishment until the consignor is satisfied that the consignee is ready to receive it.

91. Scientific and optical instruments (including rangefinders) transported between units and arsenals will be despatched complete in their own cases where such are provided:

Artillery carriages when railed by units to arsenals and factories will have all external bright steel parts cleaned and liberally smeared with mineral jelly and metal parts painted. If components are forwarded separately, they will be suitably packed to prevent damage in transit.

Buffers of carriages with spring recuperators will be sent empty, the interior of the cylinder and the piston being coated with mineral jelly. Air recuperators on carriages will be despatched fully charged; those sent separately will be boxed and may be either charged or empty; in the latter case the pistons and the interior of the cylinders will be liberally coated with mineral jelly. In all cases the above details will be clearly stencilled with at least 1-inch letters both on the cylinder block and in a prominent place on the carriage or package, *e.g.*,

*either*

EMPTY

PACKING REMOVED

*or*

CHARGED

DATE

AIR PRESSURE..LBS. PER SQ. INCH.

Rocking bar sights will be despatched separately.

92. No ordnance stores drawn at ordnance establishments by units dependent will be removed until the vouchers for the stores, duly signed by the officer authorised to sign vouchers, have been received. Units in an arsenal station will make their own arrangements for the removal of stores under supply to them, and will grant receipts at the arsenal.

93. Highly inflammable liquids will be transported in tin bottles or containers three parts full, the stopper or cork being secured by a metal cap soldered on. If transported in cases, the latter should have pent tops, and the inside packing should consist of ashes free from cinders, chalk, sand or dry earth. Sawdust will not be used as packing for liquids contained in breakable containers, particularly

Page 30 (Page 35 of the 1941 reprint)—

After paragraph 96 *insert* :—

“ 96-A. “ Grenades, H. E., No. 36-M ” are packed in “ Box, grenade, G. 36, Mk. II ” which is suitable for the transport of grenades, primed or unprimed in mechanized vehicles, or on pack transport animals using a loading rope. The lid of the box is secured by quick release fasteners but, as a precaution against pilfering and to provide a ready means of detection if the box has been tampered with during transport between manufacturing or issuing establishments and units, certain sealing arrangements have been incorporated. These are :—

- (a) Four screws in the bottom of the box are covered with solder and impressed with the Filling Factory monogram.
- (b) All screws securing hinges and staples are similarly sealed.
- (c) One screw in the lid of the box has a circular recess formed round it which is filled with sealing wax and impressed with the monogram of the packing establishment. The two other screws in the lid at the ends of the box give additional security to the lid during transit.

2. On receipt of grenades by units or Ordnance Establishments these seals should be scrutinised and if intact the contents of the box may be accepted as correct in the normal way, as for S. A. A. boxes.

3. The screws in the lid of the box are intended for transit purposes only and should be removed before the boxes are taken from unit lines on operations or to Picquets, where grenades may be required for immediate use.”

M. G. O. Case 23473/M. G. 2.

D. F. A. (O.) u/o No. 4157/O.-3 of 1941.

Amendment to E. Rs. (I), Part I, Reprint 1939 and 1941.



Insert the following new paragraph 94-A :—

“94-A. *Transport of Secondary Batteries filled with electrolyte.*—These instructions refer to all movements of batteries, filled with electrolyte, whether between units or from a unit to an ordnance depot and vice versa. They are in addition to the rules for the conveyance of dangerous goods by rail, contained in “Indian Railway Conference Association, Red Tariff”.

When a battery filled with electrolyte is despatched, the consignor shall attach a label showing :—

- (a) The date on which it was given its last charge.
- (b) The voucher reference.
- (c) The date of despatch.

The consignee shall be responsible for examining the battery and putting it on charge as soon as possible.

The consignor will be held responsible that a battery filled with electrolyte is despatched by such method as to ensure its reaching the consignee within 3 weeks of the last charge.

If a unit receives a battery which shows evidence of damage/sulphation, the battery will be immediately despatched to the nearest I. A. O. C. workshops for examination.

If there is evidence that a battery has become sulphated through lack of proper maintenance, this must be treated as not fair wear and tear. Damage due to unfair wear will be taken up with the unit under the appropriate regulations.

When the examination of a battery has been completed, a fresh label will be attached to it and the date of the last charge and despatch inserted.

Attention is to be drawn to the great importance of batteries being kept in a properly charged condition, when not in regular use, in accordance with the instruction labels ”.

Case No. 21609/Part /M. G. 7-A.  
D. F. A. (O.) u/o No. 4880/O.-2 of 1940.  
D. D. Regr. No. 4720/C. R. S. of 1940.

as dangerous, corrosive and poisonous chemicals, which are transported in glass or stone-ware bottles and will be packed upright in pent top cases with an inside packing of ashes free from cinders, chalk, sand or dry earth.

94. When explosives are issued from an ordnance establishment and coverings are considered necessary they will be supplied by the I. A. O. C. and will be returned to store immediately on completion of the service.

#### SECTION VI.—RECEIPT AND INSPECTION OF EQUIPMENT BY UNITS. e2118 7/40

95. The procedure for dealing with (discrepancies) losses, damages, etc., occurring in transit is laid down in R. A. I., paragraph 915.

96. Fuzes tubes and articles issued in hermetically closed cases, small arm ammunition and gunpowder, will be taken on charge as received, the cases not being opened till the contents are required for use or for periodical inspection. Any defects or deficiencies then discovered will be immediately reported, quoting names, dates, or other marks. Should these precautions be omitted, the officer receiving the stores will render himself liable for any discrepancies.

97. Arms will be examined on receipt from the I. A. O. C. in the presence of an officer. If this examination reveals any defect or discrepancy, a regimental board will be assembled and a copy of the proceedings will be forwarded to the C. O. O. and the I. S. A. e2171  
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98. Arms are not to be rejected for mere blemishes which do not interfere with their efficiency. The existence of such defects will be recorded in order to shield individuals from responsibility for them.

Stars in front of the knox form on barrels of rifles, muskets, etc., on the left hand side of the top strap of pistols, or in continuation of the registered numbers on Vickers, Lewis and other machine gun barrels, denote that a trace of a cut or of rust may be found inside the barrel. A star on the pommel of a bayonet, on the hilt of a sword below the pommel or on the blade below the hilt, denotes a small cut or other slight blemish. Stars are also placed on Vickers gun extractors and Lewis gun bolts as necessary.

Stars on other portions of small arms or machine guns denote that rust or pitting exists in the region of the star.

Barrels very slightly cord worn at the muzzle, which does not affect accuracy, are marked with a \*.

These markings are placed on arms before issue by ordnance establishments, and no charge will be made against individuals, at subsequent inspections, for such cuts or rust.

C. C. M. As. mark arms when damage has occurred since issue and charges are levied in accordance with para. 115.

## SECTION VII.—EQUIPMENT ACCOUNTS.

99. All receipts and issues of equipment will be entered in the ledger concerned supported by the necessary vouchers, *i.e.* :—

Regimental equipment (including mobilization equipment), annual allowances of ammunition, explosives, small arms and machine gun components (other than those detailed in Appendix 35) in the regimental equipment ledger.

Station stores in the station store ledger.

Annual allowance stores, other than those specified above, in I. A. F. O. 2491, or, if this form is not issuable to the unit, in a petty store ledger maintained on I. A. Fs. O. 1347.

In the case of stores provisionally condemned, *vide* para. 52 (ii) unit ledgers (I. A. F. O.-1347-B) will be adjusted as follows :—

(a) An additional copy of the indent—I. A. F. Z.-2098—[see para. 52 (iv)] will be prepared and will be used to support the adjustment of ledger balances which will be carried out immediately indents for advance replacement are submitted.

(b) Stores which have been finally condemned will be struck off ledger charge immediately they are returned to ordnance.

Stores in charge of the staff of commands, districts, brigades, stations, camps of instruction, etc., will be accounted for on I. A. F. O. 1347-B, which will be verified and balanced up to 31st March (in the case of rest camps on the closing of the camp), with the prescribed vouchers in support of all transactions.

100. The W. D. registered number or, where such does not exist, the makers' name and number or other identification mark, of the stores detailed in Appendix 36, will be recorded in manuscript lists which will be kept at the end of the ledger or inventory list concerned. Where a registered number or other identification mark does not exist, the stores will be included with the remark "no identification marks exist". The registered number or other marks will be quoted on all vouchers pertaining to the stores.

101. On return of units to peace conditions, a board will be assembled to take stock in detail of all stores in possession of units, irrespective of the source from which they were obtained, and this stock will form the opening balance of a new equipment account which will be kept up in the usual manner. An examination of the arms, machine guns, and their mountings will be carried out by the C. C. M. A., who will report specially on their condition and fitness for service, stating what repairs are necessary and where

No. 36 of September 1939.

Page 31—

Paragraph 99, line 12—

After " I. A. Fs. O. 1347 " add the following :—

" except by Animal Transport Units who will maintain I. A. F. (A. T.)—  
6."

Case No. 28520/M. G. 7-A.

D. F. A. (O.), u/o No. 4910/R. P. of 1939.

D. D. Regr. No. 6697/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).

No. 70 of November 1939.

Page 31—

Paragraph 99—At the end add the following new sub-paragraph :—

" Equipment and stores in possession of I. U. L. ranks serving at Army Headquarters will be accounted for on either I. A. F. Z-2105 (Inventory of stores on charge ) or I. A. F. O-1347-B."

Case No. 13885/M. G. 7-A.

D. F. A. (O.) u/o No. 7146/R. P. of 1939.

D. D. Regr. No. 8970/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).

Page 31 (Page 36 of the 1941 reprint)—

Para. 100 is reconstructed as follows:—

“The W. D. registered number or, where such does not exist, the makers' name and number or other identification mark, date of receipt and name of issuing establishment, of the stores detailed in Appendix 36, will be recorded on I. A. Fs. O. 1347-F. which will be kept at the end of the ledger or inventory list concerned. Where a registered number or other identification mark does not exist, the stores will be included with the remark “no identification mark exists”. The registered number or other marks will be quoted on all vouchers pertaining to the stores.

Case No. 28865/M.G. 7-C.

D. F. A. (O) u/o No. 2981/0-2 of 1942.

D.D. Regr. No. 182/C.R.S. (R.) of 1942.

Amendment to E. Rs. (I), Part I, Reprint 1939 and 1941.

No. 71 of November 1939.

*Page 32—*

*Paragraph 104—*Amendment No. 37 of September 1939 is hereby cancelled.

Case No. 28520/M. G. 7-A.

D. F. A. (O.) u/o No. 6617/R. P. of 1939.

D. D. Regr. No. 8807/C. R. S. of 1939.

Amendment to F. Rs. (I.), Part I, 1933 (Reprint 1939).

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No. 37 of September 1939.

Page 32—

Paragraph 104, line 4—

After " O-2491 " add " or I. A. F. (A. T.)—6 ". *CS 71* *11/30*

Case No. 28520/M. G. 7-A.

D. F. A. (O), u/o No. 4910/R. P. of 1939.

D. D. Regr. No. 6697/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).

Page 32—

No. 124 of August 1940.

*Insert* the following as paragraph 107-A :—

" 107-A. Cartridges, S. A. Drill fitted with metal bullets will be accounted for with the same strictness as ball ammunition and fired cases."

Case No. 30737/1/M. G. 7-A.

D. F. A. (O.) u/o No. 5776/O.-2 of 1940.

D. D. No. 6078/C. R. S. of 1940.

Amendment to E. Rs. (I.), Part I, Reprint 1939.

Page 32—

*Insert new paragraph 105 :—*

“ Stores issued ‘ in lieu ’ of those authorised will be accounted for under the designation of the stores actually issued and not under the designation of the stores authorised or demanded.

*Exception.*—Files may, at the discretion of the Unit Commander, be accounted for by types, irrespective of sizes, *e.g.*,  
files, saw taper, 2nd cut, single, of sizes, files H. S. E., tanged of sizes ”.

Case No. 31093/M. G. 7-A.

D. F. A. (O.) Dy. No. 8990/R. P. of 1938.

D. D. Regr. No. 5077/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).

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they should be carried out. The general instructions which are laid down for annual boards on arms will be followed.

102. The order sanctioning the shooting of a glandered horse will be quoted as the authority for striking off charge portions of harness or saddlery destroyed in order to prevent infection.

103. Materials and tools for repair of small arms, harness, saddlery and carriages, kept as a reserve, are to be shown in equipment ledgers, but transactions will not be recorded therein.

104. Expense vouchers for stores used in the repair and cleaning of equipment will be made out monthly from the repair book (I. A. F. Z.-2102) and posted as an issue in the appropriate ledger (I. A. F. O.-1347 or O.-2491), see para. 99. These vouchers will be prepared in English and will bear the certificate of a responsible officer that the quantities charged off in the ledger tally with those entered in the repair book. The number and date of the vouchers will be entered in the repair book. Balances in the ledgers will be checked monthly with the stock. These monthly checks will be additional to the annual verification of stock referred to on page (ii) of I. A. F. O.-2491.

105.

106. Materials required for repairs or cleaning will be demanded from regimental stores and entered in I. A. F. Z.-2102 in accordance with the instructions contained therein. Unit commanders will guard against misuse and restrict issues to the minimum.

107. All empty Q. F. and small arms metal cartridge cases will be accounted for in equipment ledgers. Empty metal blank and buckshot cases will be kept and accounted for separately from fired ball cases. Empty paper blank cases and fired signal and illuminating cartridges will be burned and the replacement indent endorsed with a certificate of the number destroyed. The metal portion of fired signal and illuminating cartridges will be recovered and returned to the I. A. O. C.

108. Official books, printed records, prints, fuze scales and range tables obtained from the I. A. O. C. will not be brought on charge in equipment ledgers, but accurate lists thereof will be kept.

Officers assuming charge will verify the lists and report any deficiencies.

109. Range tables and amendments thereto are authorized to units on the scale laid down in Appendix 62. They are part of the unit equipment and will be dealt with as such. The O. C. unit will ensure that copies of these publications in the possession of officers and warrant officers are not taken away by them on transfer.

110. Units will be charged for copies of Range Tables, Part II, that are deficient, while copies of Range Tables, Part I, that are found deficient will be replaced free of charge provided the station commander of the station in which the unit is located is satisfied that there are reasonable grounds to believe that the copies have been lost, damaged, torn or burnt through fair wear or accident beyond control.

111. Cable, electric "D" class which may become deficient owing to wastage incurred in jointing, cutting out of joints, etc., and unrecovered quantities of expanded metal, sandbags, and barbed wire used for instructional purposes will be certified as expended on training and written off charge in the store account.

112. To enable the controllers to raise necessary debit against the Civil Departments, units will prepare separate vouchers for stores demanded in connection with the salutes fired for ruling princes and chiefs and political officers and will endorse prominently on such vouchers :—

"Cost debitable to Civil Department. Authority :—A. D. letter No. A/41231/1 (A. G. XI), dated 25th September 1930."

113.

114. When stores are sent to an arsenal or depot for test they will be issued on regular vouchers (I. A. F. Z. 2096). If the stores are returned to the unit after test, they will be re-issued on regular vouchers.

114-A. Stocktaking of all ordnance stores will be carried out annually. All discrepancies will be investigated and adjusted in accordance with Financial Regulations, Part I. Surpluses to ledger balances will be brought to account by certificate receipt voucher and, where necessary, be disposed of in accordance with para. 138.

Before counting is commenced all vouchers will be posted and a red line drawn right across the page under the balance shown to be on ledger charge. The result of the count will be entered below the line in the balance column, a space being left when the count differs from the balance for the necessary adjustments. The words "counted", "weighed", "measured", etc., will be used to indicate that the stores have been actually counted, etc.

The officer taking stock will initial the entry. Discrepancies will be entered on I. A. F. O. 1347-C on which the orders of the O. C. units will be recorded.

During stocktaking the authorised proportion, which will be shown in red ink on the ledger sheet, will be verified and checked against the quantity counted. Surpluses, except permissible:

200/43. Page 33. Para. 111 is reconstructed as follows:—

“ 111. Cable electric, “ D ” class which may become deficient owing to wastage incurred in jointing and cutting out of joints, etc. ; wire for jointing purposes ; jointing Coils ; Binders ; Strips ; Sleeves McIntyre ; unserviceable Insulators ; unrecovered quantities of expanded metal ; sandbags and barbed wire used for instructional purposes will be certified as expended on training and written off charge in the Store Account.”

D. F. A. (O.) Dy. No. 16259/0-2 of 1943.

Case No. 24013/MG/OS-10.

surpluses, to authorised proportion will be disposed of in accordance with para. 138, while indents for stores required to complete to scale (except indents referred to in para. 49) will be submitted in accordance with para. 53. Permissible surpluses to authorised proportion are :—

(a) New stores awaiting to be taken into use.

(b) Unserviceable stores awaiting despatch to ordnance consequent on the operation of para. 52.

No action on these surpluses under para. 138 is necessary.

When complete stocktaking in accordance with para. 11 has been taken during the financial year it may be counted as the annual stocktaking provided the above procedure has been carried out.

Permissible surpluses are :—

(a) New stores awaiting to be taken into use.

(b) Unserviceable stores awaiting despatch to ordnance consequent on the operation of para. 52.

115. The following tables show the annual depreciation in the value of small arms and machine guns and barrels and bodies of small arms and machine guns in use, and charges to be made for any damage thereto not due to fair wear and tear, and will be followed by boards in assessing charges for losses and damage to such in possession of units. They are not intended to limit the period for which small arms and machine guns are to last.

The value to be refunded on arms returned will be calculated as follows :—

*Serviceable arms.*—The value according to table I.

*Repairable arms.*—The value according to table I, less the cost of any repairs not due to fair wear and tear, according to table II.

*Unserviceable arms.*—One-twelfth of the original value.



TABLE I.  
Annual depreciation in value of small arms and machine guns and bodies and barrels thereof.

Description of Arms.	Original value: Indian stock book rates.	1st year.	2nd year.	3rd year.	4th year.	5th year.	6th year.	7th year.	8th year.	9th year.	10th year.	11th and the following years.
Rifles, No. 1—	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.
Mk. I** I. P. . . . .	74 0	67 13	61 11	55 8	49 5	43 3	37 0	30 13	24 11	18 8	12 5	6 3
Mks. III & III* . . . . .	71 10	65 10	59 11	53 11	47 12	41 12	35 13	29 13	23 14	17 14	11 15	6 0
Mk. III convt. . . . .	71 10	65 10	59 11	53 11	47 12	41 12	35 13	29 13	23 14	17 14	11 15	6 0
Rifles, Short .22 in. R. F.—												
Mks. III & IV . . . . .	64 1	58 12	53 6	48 1	42 11	37 6	32 1	26 11	21 6	16 0	10 11	5 5
Rifles, Short .22 in. R. F.—												
Pat. '14, No. 2, Mk. I* J . . . .	70 0	64 3	58 5	52 8	46 11	40 13	35 0	29 3	23 5	17 8	11 11	6 13
Rifle, No. 2—												
Mks. III* & IV* . . . . .	75 0	68 12	62 8	56 4	50 0	43 12	37 8	31 4	25 0	18 12	12 8	6 4
Rifle, E. Y. . . . .	37 8	25 0	12 8	...	...	...	...	...	...	...	...	...
Pistol, revolver No. I—												
Mks. III, IV & V . . . . .	67 8	61 14	56 4	50 10	45 0	36 6	33 12	28 2	22 8	16 14	11 4	5 10
Mk. VI . . . . .	72 6	66 6	60 5	54 5	48 4	42 4	36 3	30 3	24 2	18 2	12 1	6 1
Barrels, with body—												
Rifle No. 1—												
Mks. III, III convt., III* . . . .	43 11	40 1	36 7	32 12	29 2	25 8	21 14	18 3	14 9	10 15	7 5	3 10
Rifle No. 2 . . . . .	37 10	34 3	31 6	28 4	25 1	21 15	18 13	15 11	12 9	9 7	6 4	3 2

Bodies—																				
Rifle, No. 1—																				
Mk. I* I. P.	10 0	9 3	8 5	7 8	6 11	5 13	5 0	4 3	3 5	2 8	1 11	0 13								
Mks. III, III*	13 0	11 15	10 13	9 12	8 11	7 9	6 8	5 7	4 5	3 4	2 3	1 1								
Rifle, No. 2—																				
Mk. III	6 4	5 12	5 3	4 11	4 3	3 10	3 2	2 10	2 1	1 9	1 1	0 8								
Pistol, revolver No. 1—																				
Barrels	11 0	10 1	9 3	8 4	7 5	6 7	5 8	4 9	3 11	2 12	1 13	0 15								
Gun, Machine, Vickers .303"—																				
Barrels, Mk. II.	40 0	36 11	33 6	30 1	26 12	23 7	20 2	16 13	13 8	10 3	6 14	3 9								
Gun, Maxim .303* and .303* conv't., Mk. II—																				
Barrels	13 0	11 15	10 13	9 12	8 11	7 9	6 8	5 7	4 5	3 4	2 3	1 1								
Gun, Machine, Lewis .303*—																				
Barrels	18 4	16 12	15 3	13 11	12 3	10 10	9 2	7 10	6 1	4 9	3 0	1 8								
Gun, Machine, Hotchkiss .303*—																				
Barrels	78 12	72 3	65 10	59 1	52 8	45 15	39 6	32 13	26 4	19 11	13 2	6 9								







TABLE II—contd.  
Schedule of charges for defects to small arms and machine guns—contd.

For what purpose.	Rifles, No. 1 Carbines, No. 2		Rifles.		Pistols.		Bayo- nets, No. 1.	Swords, Cavalry.	Scabbards.		Dirks.	Lances.	Guns, Machine.		Mount- ing Tripod, M. G. Mark IV.	Boxes, belt ammunition.
	Pistols, No. 1 Machine guns.		No. 1.	No. 2.	Cylinder.	No. 1.			Swords, Cavalry.	Leather Bayo- nets.			Levis.	Vickers.		
	Rs. A.		Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs.	Rs. A.
Removal of dents . .	...		...	...	...	...	...	...	0 12	...	...	...	...	...	...	...
Replacement of staves .	...		...	...	...	...	...	...	...	...	...	4 0	...	...	...	...
Rusty or damaged steel parts.	...		...	...	...	...	...	...	...	...	...	0 6	...	...	...	...
Replacement of radiator casing front.	...		...	...	...	...	...	...	...	...	...	...	6 7	...	...	...
Replacement of radiator casing, rear.	...		...	...	...	...	...	...	...	...	...	...	50 0	...	...	...
Removal of dents and re- browning radiator casing, front.	...		...	...	...	...	...	...	...	...	...	...	1 8	...	...	...
Removal of dents and re- browning radiator casing, rear.	...		...	...	...	...	...	...	...	...	...	...	2 0	...	...	...
Replacement of radiator .	...		...	...	...	...	...	...	...	...	...	...	44 0	...	...	...
" clamp ring	...		...	...	...	...	...	...	...	...	...	...	4 9	...	...	...
" feed arm	...		...	...	...	...	...	...	...	...	...	...	20 0	...	...	...
Repairs to damaged bodies	...		...	...	...	...	...	...	...	...	...	...	2 0	...	...	...





TABLE II—concl'd.  
*Schedule of charges for defects to small arms and machine guns—concl'd.*

For what purpose.	Rifles.		Pistols.		Bayo- nets, No. 1.	Swords, Cavalry.	Scabbards.		Dirks.	Lances.	Guns, Machine.		Mount- ing Tripod, M. G., Mark IV.	Boxes, belt ammuni- tion.
	No. 1.	No. 2.	Cylinder.	No. 1.			Swords, Cavalry.	Leather Bayo- nets.			Lewis.	Vickers.		
Repair to damaged or dented boxes, ammuni- tion.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.
Replacement of straps, supporting lid.	...	...	...	...	...	...	...	...	...	...	...	...	...	0 8
	...	...	...	...	...	...	...	...	...	...	...	...	...	0 4

Such of the components of arms as are not mentioned in the above table II (paragraph 115), when found deficient or damaged, etc., will be priced as indicated below :—

Components found deficient or unserviceable and chargeable to units or individuals.	} at full P. V. rates <i>plus</i> 5 per cent. departmental charges.
Components found repairable through unfair wear or neglect.	
	} as laid down in paragraph 46, Financial Regulations (I.), Part I.

No. 27 of August 1939.

Page 42, Section IX—

Paragraph 118—

Line 3, after “inspect” insert “and condition as serviceable, repairable or unserviceable”.

Line 4/5, insert fullstop after “units” and delete rest of that sentence.

Line 7, after “Sizes” insert “and condition”.

Case No. 28991/M. G. 7-A.

D. F. A. (O.) u/o No. 4141/R. P. of 1939.

M. G. 9-D. Regr. No.

D. D. Regr. No. 5632/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).

## SECTION VIII.—STATION STORES.

116. Extra horse blankets, when issued to units, should be retained as station stores and brought on units' ledgers to replace condemnations or for re-issue under authority of the superior commander.

117. Scales of special station stores are shown in Appendix 1. For stations at which time guns will be fired see Appendix 17.

## SECTION IX.—MISCELLANEOUS.

118. During the 1st week of November each year, District Commanders will arrange for the assembling of Standing Barrack Committees to inspect all chicks (coarse and fine) and Khus Khus Tattis on charge of units and decide which are fit for use during the following season. I. A. F. Z. 2098 will be prepared by unit commanders showing chicks (coarse and fine) and Khus Khus tatties on charge by sizes, the form being completed and signed by the standing Barrack Committee. The chicks (coarse and fine) and khus khus tatties which are condemned as unserviceable by the Standing Barrack Committee will be destroyed at once in the presence of a member of the standing Barrack Committee or a Brigade Ordnance Warrant Officer and a certificate, stating that this has been done, prepared and signed by the Standing Barrack Committee. cs 27  
8/39

119. Unit Commanders after taking into consideration serviceable and repairable chicks and khus khus tatties already on charge, will indent for the number of chicks and khus khus tatties required to complete scales recommended by the Standing Barrack Committees. The indents accompanied by a copy of I. A. F. Z. 2151, will be forwarded by the 2nd week of November to the Station Commander who will collect and forward them in bulk to the C. O. O. or O. O. concerned by the 3rd week of November, together with a consolidated statement showing number of repairable chicks (coarse and fine) and khus khus tatties on charge and new chicks (coarse and fine) and khus khus tatties required in sizes.

The C. O. O. or O. O. will forward a statement of requirements of new chicks and khus khus tatties to reach A. D. O. S. P. by the 1st week of December. The requirements of units to whom supplies are to be delivered direct by the suppliers will be shown separately by stations.

120. The C. O. O., or O. O. will arrange supply of new tatties, and the repair of the repairable tatties, on unit charge. Serviceable and repairable tatties will be retained in unit charge, for use during the following season, and not returned to arsenals.

## Section IX.

42A

121. With effect from the trooping season 38-39, a free issue of a kitbox padlock will be made to all British Other Ranks on first arrival from Home or on enlistment in India. Subsequent replacement of these padlocks will be at the expense of the individual and demanded from I. A. O. C. To facilitate replacements units are authorized to hold stocks to the extent of 6 per cent. of their B. O. R. strength.

122. Class I warrant officers of British units will be armed and equipped in peace and on active service in the same manner as officers of their unit.

123. To ensure that they are of the same pattern as government arms and do not confer any undue advantage on the user, small arms (including barrels) of service patterns privately purchased may be examined by the I.S.A. on payment (Re. 1 for arms and As. 8 for barrels), if required for use at rifle meetings. The inspection is no guarantee as to the quality of material or standard of workmanship of the rifle. If passed, the arms will be stamped with the "Viewers' mark".

124. Units desirous of retaining as trophies, weapons or fire-arms captured from an enemy on active service will submit an application to the Superior Commander giving full details of the weapons or firearms in question.

Firearms so retained will be rendered unfit to fire, by the regimental armourer, as follows:—

(a) By having two slots cut circumferentially half through the barrel—

(i) One at the juncture of the barrel and body.

(ii) One just in front of the backsight.

(b) The striker point will be reduced in length so as to allow of no protrusion.

125. Trophies, except in ordnance charge, will be classed as station stores and ~~borne on station inventory lists~~ under the orders of the superior commander, who will be responsible for their safe custody and preservation. Trophies in non-military stations will be included in the inventory list of the nearest military station.

126. The superior commander will cause all trophies in his charge to be verified biennially.

127. Paint required for the preservation of trophies including trophies of the Great War in possession of units, will be demanded in accordance with Appendix II, the amount demanded being that authorised for the nearest size of gun carriage, etc., as shown in that appendix.

No. 38 of September 1939.

Page 42-A, Paragraph 124—

Add as a new sub-paragraph :—

“ Trophy guns will be rendered unfit to fire by having a suitable slot cut in the vicinity of the chamber. Such work will be carried out by Arsenals in Arsenal stations and I. A. O. C. Workshops Companies or Sections in others.”

Case No. 3352/14/M. G. 7-A.

D. F. A. (O), u/o No. 4998/R. P. of 1939.

D. D. Regr. No. 6530/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, 1933 ( Reprint 1939).

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No. 107 of March 1940.

Page 42-A—

Paragraph 125, line 2—

For "borne on station inventory lists" substitute "accounted for on I. A. F. O. 1347-B".

Case No. 3352/15/M. G. 7-A.

D. F. A. (O.) Dy. No. 38/R. P. of 1940.

D. D. Regr. No. 747/C. R. S. of 1940.

Amendment to E. Rs. (I.) Part I, Reprint, 1939.

No. 119 of July 1940.

Page 42-A—

Paragraph 127, in line 3 for Appendix II substitute Appendix 11 (eleven).

Case No. 29807/M. G. 9-D.

Amendment to E. Rs. (I.), Part I, Reprint 1939.



*D7/4, Page 43(50 of Reprint 1941), Paragraph 131 is reconstructed as follows :—*

131. (i) Complete repainting of steel helmets will no longer be resorted to. When necessary, helmets will be touched with Paint, prepared for use, matt finish, light stone (B.S.C. No. 61), which will be indented for at a scale not exceeding 3 pints per 125 helmets. The paint may be applied with a rag if brushes are not available.

(1) Rubbing down of old paint and application of undercoating will not be carried out.

Case No. 36992/C. G. (2).

D. F. A. O. u/o No. 5626/O-2 of 1943.

Insert the following new sub-paragraph.-  
# 130-A. In order that bugles may harmonise with the black leather accoutrements and white metal fittings of rifle regiments of the Indian Army, copper bugles authorised for such units may be silver plated under unit arrangement.

This concession is granted on the distinct understanding that no expense to the State is involved thereby and subject to the following conditions :-

- (a) Bugles so treated will not be returned to the I.A.O.C. until totally unserviceable and any that may become surplus to requirements for any reason will be retained and paid for by the unit concerned.
- (b) Repairs to such bugles in I.A.O.C. establishments will be treated as "deposit repairs" the stores remaining on ledger charge of the Unit.

Case No.16972/M.G.9-C.  
D.F.A.(O).u.o. No.223/0-2 of 1941.  
D.D.Reg. No.1212/C.R.S. of 1941

*Insert the following new sub-paragraph :—*

“ 128-B. Latrines which do not accommodate standard pans supplied by the Ordnance will be altered as rebuilding takes place. Units whose latrines are of non-standard pattern will obtain pans by local purchase, with the concurrence of the C. O. O. concerned.”

Case No. 9950/M. G. 9-B.

D. F. A. (O-2) u/o No. 1675/O-2 of 1940.

D. D. Regr. No. 1967/C. R. S. of 1940.

Amendment to E. Rs. (I.), Part I., 1933 (Reprint 1939).

When trophies require repairs or preservation treatment, other than painting, indents for materials, or I. A. F. O.-1370 where arsenal repairs are necessary, will be countersigned by superior commanders.

128. Pails, iron, galvanized with lid will be used for drinking water only, the pails without lids being used for washing purposes.

128-A. Alum and alumino-ferrie will be demanded as necessary by officers commanding, units, rest camps, bodies of troops, etc., for clarifying water before purification. The quantity to be demanded will be decided by the medical officer concerned, who will countersign the indent.

128 — 5 ————— *CS 103*  
 129. The cost of renewing drumheads and trumpet and bugle strings that fail to last the prescribed period, will be recoverable from drummers and trumpeters of British units. *4/40*

130. To lap a drumhead the head should be steeped in water for 15 minutes, then folded and left for half an hour. If left too long in water, the head will waste and become rotten. All superfluous moisture should then be removed from the head, which should be lapped well round the flesh hoop, so as to bring the edge of the head well round to the outer side of the hoop. Avoid lapping the head too tight as this draws the hoop out of shape. The head should then be fitted to the drum and left for two or more days according to the weather so that the vallum under the hoop may get thoroughly dry before being taken into use. If this point is not attended to, the head will most likely give away round the edges after the drum is "slung" up; it is therefore advisable to take the head off and if found to be the least damp round the edge, leave it to get quite dry before putting it on again. The drying of the heads will not be hastened by artificial means such as putting by the fire or in the sun; a cool dry air is best.

130 — 4 ————— *CS 147*  
 131. The following scale of paint is authorised for issue for the painting of steel helmets in use:— *3/4*

(Section X-2.)

Paint prepared for helmets (R. C. D. shade) . 5 lb. per 100 helmets annually.

*Cancelled CS 197 43*  
 As it is of importance that these helmets should retain a dull appearance, they should not, in any circumstances, be treated with any paint other than that authorised above.

132. In all reports relating to rifles, the number of the arm and the name of the factory at which it was manufactured will be stated. This information will be found stamped on the body.

133. The stripping or removal of any part of an arm except by an armourer is strictly forbidden.

134. Testing weapons of any description in charge of troops is strictly forbidden. This does not apply to authorised local firing tests for accuracy. Swords and other side arms are not to be tested regimentally.

135. All types of bayonets and swords are sharpened before issue, and will be kept sharp under regimental arrangements.

136. During peace and war, the blades of sword-bayonets in possession of all units will be kept polished and not browned. Polishing will be carried out by soldiers individually by means of the usual abrasive materials, the polishing to commence one inch from the crosspiece. The removal of grips from sword-bayonets is contrary to regulations and is strictly forbidden. Any damage to sword-bayonets arising from this practice will be charged against the troops. Pommels, bolts and cross-pieces, of sword-bayonets and the lockets and chapes of scabbards will be browned and not polished.

137. Wax, saddlers and shoemakers, as issued to units is not generally ready for immediate use, and especially in cold climates needs to be warmed and kneaded and worked up with a small proportion of tallow or dubbing.

## SECTION X.—RETURN OF EQUIPMENT.

138. 1. Units and formations administered by the Defence Department will, before the return of surplus and unserviceable ordnance stores (except as stated below) obtain disposal orders, from the C. O. O. or O. O. of the I. A. O. C. establishment on which dependent, on I. A. F. Z.-2098. This will be submitted in original, except for disposal orders for stores in vocabulary sections B-1, 2, 3 and 4; C-1; M-1, 2 and 3; N-1 and 2; O and P-1 and 2, when the form will be submitted in duplicate. One copy will be returned with the orders of the C. O. O. or O. O. endorsed thereon.

2. The vouchers, under which the stores are returned, will quote the disposal order number allotted to it by the arsenal or depot.

3. The exceptions referred to in para. 1 above are :—

(i) Fired bullets, empty cartridge cases (see also para. 194) misfires, which may be returned without special authority.

(ii) Articles referred to in para. 167.

4. I. A. F. Z.-2098 in respect of unserviceable small arms components for which there is an annual allowance will bear a certificate, endorsed thereon by the C. C. M. A. of the area certifying their unserviceability, before submission to the C. O. O. or O. O.

N. B.—When broken heads, breech, bolt, are returned to ordnance charge, both the head and the tenon must be returned. In instances where the head may have been lost, the tenon must always be returned.

*Paragraph 138 is reconstructed as follows:—*

138. (i) Units and formations administered by the Defence Department will, except as stated in (iii) below, obtain disposal orders from the C. O. O. or Ordnance Officer of the establishment on which dependent on I. A. F. Z.-2098, before the return of surplus and unserviceable Ordnance Stores. I. A. F. Z.-2098 will be submitted in original, except for disposal orders for stores in vocabulary sections B-1, 2, 3 and 4; C-1; M-1, 2 and 3; N-1 and 2; O; P-1 and 2 when the form will be submitted in duplicate. One copy will be returned with the orders of the C. O. O. or O. O. endorsed thereon.

(ii) The vouchers, under which the stores are returned, will quote the disposal number allotted to it by the Arsenal or Depot.

(iii) The exceptions referred to above are:—

(a) Fired bullets, empty cartridge cases (see also paragraph 194) and misfires, which may be returned without special authority.

(b) Articles referred to in paragraph 167.

(iv) I. A. F. Z.-2098 in respect of unserviceable small arms components, other than those condemned by the C. C. M. A. at his inspection, will bear a certificate of examination endorsed thereon by the C. C. M. A. of the areas certifying their unserviceability, before submission to the C. O. O. or O. O.

(v) Stores found surplus to authorised proportion will be reported immediately, on I. A. F. Z.-2098, to the C. O. O. or O. O. (see also paragraph 114-A) who will normally order return to Ordnance charge, but may order transfer to another unit or formation in compliance with an authorised demand, due regard being given to the cost of transfer.

(vi) The instructions in paragraph (v) above are not applicable in the case of arms of A. F. (I.) units located in hill stations during the winter months, or to temporary surplus due to units being below strength.

Case No. 388/M. G. 7-A.

D. F. A. (P.) u/o No. 1720/R. P. of 1939.

D. D. Reg. No. 5077/C. R. S. of 1939.



Page 44 (50 of the 1941 reprint)—

For para. 137 substitute :—

“ 137. Wax, saddlers and shoemakers.—Instructions for reconditioning the wax before use.

(to be followed only where reconditioning is necessary).

(1) Remove the wax from the container, place it in a suitable tin and melt the contents over a slow fire. Then pour into cold water. When sufficiently cool to handle, pull or draw the wax until such time as it is in a suitable condition for use or that it floats in water. When not in use the wax should be kept in cold water.

(2) If the contents of the container are found to be too brittle ; a small quantity of dubbing should be worked in with the hands during the drawing process, or if too soft, a little ground rosin may be added before melting.”

Case No. 39131/CGI (2).

D. F. A. (O). u/o No. 9563/O-2 of 1942.

Amendment to E. Rs. (I), Part I (Reprint 1939 and 1941).

5. Stores found surplus to authorised proportion will be reported immediately, on I. A. F. Z.-2098, to the C. O. O. or O. O. (see also para. 114-A) who will normally order return to ordnance charge but may order transfer to another unit or formation in compliance with an authorized demand, due regard being given to the cost of transfer.

6. The instructions in para. 5 above are not applicable in the case of arms of A. F. (I.) units located in hill stations during the winter months or to temporary surpluses due to units being below strength, etc.

139. In the case of ordnance stores returned to the I. A. O. C., the final conditioning authority is the I. A. O. C. establishment to which they are returned.

C. O. Os. and O. Os. will not be responsible for the condition of stores delivered at an ordnance establishment for onward despatch to an ordnance factory.

140. Vouchers for articles returned to ordnance establishments will be prepared separately, for each section of stores as shown in the V. O. S. (I.). Separate vouchers are also required for—

- (i) Surplus stores.
- (ii) Condemned stores.
- (iii) Fired cases.
- (iv) Chargers and Bandoliers.
- (v) Fired bullets and old lead.
- (vi) Signal cartridges and .22 R. F. fired cases.
- (vii) Stores received on hire or loan.

In order to avoid delay in the clearance of receipts to units, vouchers for stores in Section Mat-F returned to ordnance establishments will be prepared separately for each alphabetical series as shewn below :—

Series	No. 1	.	.	.	.	.	.	.	.	A to F.
„	No. 2	.	.	.	.	.	.	.	.	G to P.
„	No. 3	.	.	.	.	.	.	.	.	Q to Z.

141. Vouchers will be clearly endorsed to show whether the stores under return are “ Unserviceable ”, “ Surplus ” or “ Ordered to be returned on O. M. E’s., I. O. O.’s or C. C. M. A.’s inspection reports ”. In the case of stores returned from hire or loan, vouchers will be endorsed in red ink with the initials of the ordnance establishment from which the stores were received and the number and date of the original voucher.

142. Units returning stores to ordnance establishments will guard against explosives being returned as ordinary stores, and against matches, iron, nails, etc., being left among stores of any kind.

All empty ammunition or powder barrels or packages will be most carefully examined to see that they are free from iron tacks in the head, and grit and dirt on the staves before being returned to stores.

143. The following refunds will be made in respect of ammunition issued on payment to Indian States Force units, civil departments and to units, enumerated below, not forming part of the regular army when the stores detailed hereunder are returned to the I. A. O. C. :—

Mina Corps

Swat Levies.

Dir Levies.

Kurram Militia.

Chitral Levy Corps.

Chitral Scouts.

Zhob Levy Corps.

Tochi Scouts.

Gilgit Corps of Scouts.

Chagai District Levies.

1st (Lushai Hills) Bn. Assam Rifles.

2nd (Lukhimpur) Bn. Assam Rifles.

3rd (Naga Hills) Bn. Assam Rifles.

4th Bn. Assam Rifles.

5th Bn. Assam Rifles.

Frontier Constabulary.

Mewar Bhil Corps.

Malwa Bhil Corps.

Reserve Battalion.

Eastern Frontier Rifles (Bengal Bn.).

Mekran Levy Corps.

South Waziristan Scouts.

Military Police, Port Blair.

Fired cases—

·303" (ball and blank) . . .

At prices to be fixed half yearly by the Director of Contracts, with the concurrence of the F. A., M. F.

·455" pistol webley . . .

Ditto.

·410" . . . . .

Ditto.

·476" . . . . .

Ditto.

Signal and illuminating . . .

Ditto.

Fired bullets—

·303" Mk. VII . . . . .

Ditto.

Mixed lead including fired bullets except Mark VII . . .

Ditto.

Boxes, bandoliers and chargers—

Serviceable . . . . . 75 per cent. of full stock book value.

Repairable . . . . . 50 per cent. of full stock book value.

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10/40

CS 10  
7/39

Page 46—

No. 132 of October 1940.

Paragraph 143—

At the end of the list, *after* "Military Police, Port Blair" *add* the following :—

"Crown Representative's Police, Neemuch."

Case No. 21870/M. G. 7-A.

D. F. A. (O.) Dy. No. 9079/O-2 of 1940.

D. D. C. R. S. No. 10197/C. R. S. of 1940.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).

Page 46, paragraph 143—

No. 10 of July 1939.

*After* "Signal and illuminating—Ditto", *insert* "Q. F. cartridge cases—  
Ditto".

C. 194  
43

Case No. 21397/M. G. 7-A.

D. F. A. (O.) Dy. No. 2041/R. P. of 1939.

D. D. Regr. No. 5077/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).

Page 46 (52 of Reprint 1941)—

After "Q. F. Cartridge cases—  
Case No. 02194/M. G. 7-E.

No. 194 of February 1943.

" .22" R. F. (empty cases)—Ditto"  
M. F. Dy. No. 14635 (O-2) of 1942.

*Insert the following as paragraph 143-A :—*

“ 143-A. Nosecaps from  $11\frac{1}{2}$ -lb. Practice Bombs will be returned to Ordnance establishments by Air Force units to whom credit will be afforded at a scale of 3 pounds of lead at current rates for each nose cap returned.

On receipt in Ordnance establishments, these nose caps will be broken down and recoveries disposed of in accordance with existing instructions.”

Case No. 34424/M. G. 7-A.

D. F. A. (O.) No. 7753/R. P. of 1939.

D. D. Regr. No. 9778/C. R. S. of 1939.



## Unserviceable—

Boxes with tin lining . . .	At prices to be fixed half yearly by the Director of Contracts, with the concurrence of the F. A., M. F.
Boxes without tin lining . . .	
Bandoliers . . .	
Chargers . . .	

N. B.—(1) The rates fixed by Director of Contracts to be notified half yearly in January and July each year through the medium of India Army Orders.

(2) The rates to be charged for any deficiencies of articles the return of which to the I. A. O. C. is compulsory, will be the same as are refundable to units in respect of fired ammunition returned to "Ordnance".

143-4 C-278  
12/39  
144. 22-inch empty cartridge cases will be returned to ordnance charge in bulk once annually, being invoiced and received by weight. The total number of these cartridges (excluding fired cases), on charge should never exceed the fixed allotments and unit commanders will furnish a certificate on all indents that the balance of cartridges remaining in hand *plus* the quantity under demand does not exceed the maximum allowed to the unit.

Fired cases, signal and illuminating, will be similarly dealt with—but number and weight will be vouchered and they will be returned in multiples of 100.

145. Fired cases will be returned in good condition, care being taken that grit and dirt are removed, and that no live cartridges are included.

Under no circumstances will the bullets be removed from 'misfires' of S. A. A., nor will any round of ball or blank be tampered with except as required by the Hand Book for the 303-in. Vickers Machine Gun and Tripod Mounting, Mk. IV, 1930—Section 68, table of temporary stoppages, stoppage 11, column 5, ultimate paragraph, page 113.

Misfires or doubtful cases will be kept entirely separate from fired cases and they will be separately vouchered as 'misfires' and packed as such. Any failure to comply with these regulations will be reported to the superior commander for disciplinary action if considered necessary. The number of small arm ammunition empty cases returned at one time should be multiples of the number of ball cartridges contained in a full box.

146. Empty metal cartridge cases, ball and blank, except 22-inch, will be paid for at the rate of Rs. 1-8-0 per thousand. All lead and fired bullets recovered from rifle ranges will be returned to arsenal which will grant receipts for the gross weight received. Mixed and unrecognisable lead, Mark VI and Mark VII bullets will be kept separate. The unit commander will, after deducting 1/28th

for wastage in recasting, recover the value of the balance at the following rates :—

Mixed lead including fired bullets except  
Mark VII . . . . . Rs. 11 per cwt.

Fired bullets, Mark VII . . . . . Rs. 16 per cwt.

Brass and copper recovered from projectiles after practice will be received at stock book rates [as published in V. O. S. (I.)] without deduction for wastage.

146 A. Claims for refunds under paragraphs 143 and 146 will be preferred on contingent bills, with the numbers and dates of the arsenal receipt vouchers endorsed thereon and submitted to the controller of military accounts through the L. A. O. of the arsenal concerned for payment.

The numbers and dates of the vouchers on which the stores were originally issued on payment, will also be quoted on the contingent bills. In cases of return of stores from civil units under the administrative control of the Government of India, if the required information is not available, refund may be claimed on a certificate furnished by the officer commanding the unit concerned that the stores were originally issued on payment.

147. If ammunition is returned with the wrappers worn through or illegible, without adequate explanation, the cost will be charged to the consignor.

148. Units, supplied with charger loading ammunition will return all surplus empty chargers and cotton bandoliers periodically to the arsenal on which dependent. The chargers and bandoliers will be accounted for by number.

149. (a) Fired Q. F. and 1-inch aiming rifle cartridge cases must be cleaned immediately after firing; primers will be not be removed from the cases. The cases should be soaked for 15 hours in clean fresh water containing a half oz. of soda ash to the gallon and afterwards well scrubbed until clean; they should then be rinsed in clean water and wiped perfectly dry. A longer soaking or the use of warm water will facilitate the cleaning and may be necessary, in very cold weather. After cleaning and drying, the cases will be mopped inside and outside with a mixture of one part of mineral jelly to four parts of oil, lubricating, mineral, G. S.

(b) After being cleaned and treated, the cartridge cases will be repacked in the boxes in which they were issued and returned as soon as possible to the I. A. O. C. The clips of fixed ammunition should be replaced on the cartridge cases and 3.7-in. and 4.5-in. cartridge cases placed in their tin cylinders before being returned.

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(i) *Renumber* the existing paragraph 146-A as 146-B.

(ii) *Insert* the following new paragraph :—

“ 146-A. To encourage the recovery from unit rifle ranges of fired bullets, units are authorised to pay spot cash, at existing Government rates, to range chowkidars for any lead they collect.

Similar compensation may also be made to villagers for lead recovered from field firing ranges, at the discretion of General Officers Commanding-in-Chief of Commands and Western (Independent) District, provided that such recoveries are of sufficient quantity to render payments practicable.

The foregoing arrangements will, however, in no way relieve units of their responsibility for ensuring that a maximum amount of lead is retrieved after musketry classifications and field firing practices.

Case No. 31505/M. G. 7-A.

D. F. A. (O.) No. 665/S/O-1 of 1940.

D. D. Regy. No. 802/S/C. R. S. of 1940.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).

NO. 180 OF APRIL 1942.

(Page 55 of the 1941 reprint).

Page 48—

Paragraph 149—

*Add* the following new sub-paragraph :—

“(c) Officers Commanding units should pay particular attention to the following points :—

(i) Cases should not be left lying on the ground ; contact with damp cinders or rubble should, in particular, be guarded against.

(ii) Only mineral jelly and oil as issued by Ordnance should be used.

(iii) Care must be taken during handling and packing to avoid damaging the case.

(iv) Pending their return to Ordnance, cases should be stored in a dry place.

Failure to comply strictly with the above may result in cartridge cases being rendered unfit for further use.

Case No. 31231/M.G. 1-B.

D. F. A. (O) u/o No. 1874/O-2 of 1942.

D. D. Regr. No. 108/C.R.S. (R) of 1942.

Amendment to E. Rs. (I), Part I. Reprint 1939 and 1941.

**149-A.** Cases for blank should be cleaned after firing as above and wiped perfectly dry ; although it may be used, soda ash is not necessary for cases which have been fired with gunpowder. The cases should not be greased unless they are to be returned to store. If the cases are required for further firing after a few hours, washing in the interval may be dispensed with but they are not to be left unwashed for more than 24 hours.

Cases for blank should be retained and continue to be refilled by the unit to which they are issued until they require repair or are unserviceable, when they should be returned to the I. A. O. C.

**150.** (i) On conclusion of practice, artillery units and defences will obtain disposal orders from the arsenal on which dependent for all fired cartridge cases (except cases disposed of, *vide* paragraph 149), primers and tubes, empty ammunition boxes, fuze covers and cylinders, plugs, cartridge clips, safety caps of 106-E. fuzes, and unused portion of howitzer cartridges. To prevent damage during transit, cartridge clips, plugs, fuze covers and safety caps will be carefully packed with sawdust, shavings or other suitable material and not thrown loosely into boxes.

(ii) At the end of each day's firing, all un-expended portions of howitzer cartridges will be returned to store, checked against actual charges fired during the day, and brought to account by "Certificate Receipt Voucher" in detail, in a page of the Unit Equipment Ledger to be maintained for the purpose. This page will be inspected from time to time, by Commanding Officers.

(iii) On receipt of the disposal orders referred to in sub-para. (i), the surplus portions will be vouchered to the relevant Ordnance Establishment in detail.

**151.** Units will bring on charge empty fired cases, the number of which must agree with that on the expense vouchers for rounds fired at practice. These two vouchers must be connected up to facilitate audit check. Discrepancies, if any, will be adjusted on I. A. F. A-498, a true copy of which must accompany the units issue voucher when returning the fired cases to the I. A. O. C.

**152.** Cartridge cases issued with practice ammunition will not be retained for use with blank.

**153.** Artillery cartridges and shells filled with powder will not be emptied prior to return to the I. A. O. C. If R. A. working parties are required by the I. A. O. C. to empty such ammunition, they will not receive extra duty pay.



154. Whenever stores having memoranda of examination or history sheets are returned, these documents will accompany and be entered on the vouchers.

155. All obturators sentenced for repair will be returned to arsenal packed together with their protecting discs in the "box, obturator." Any boxes required for his purpose should be obtained from the I. A. O. C.

Empty obturator boxes, condemned by an O. M. E. as unfit for repair, will be returned to arsenals.

156. Before arms (including Home pattern rifles) are returned they will be examined and repaired by the armourer. Charges against individuals should be disposed of before the arms are despatched, unless expert opinion on any doubtful point is required in which case the charge will be held over.

The date of issue of the complete arms or barrels to the unit and the factory numbers will be entered on the vouchers. The arms returned will be accompanied by a statement showing the condition of each arm.

The regiment will be charged for work which ought to have been executed regimentally before arms were returned. Should the unit commander object to the charge, he has the right of appeal to a station board.

156-A. Orders for packing small arms, machine guns and important components are contained in Appendix 64.

157. Compensation is admissible for service revolvers which are returned to the I. A. O. C. on officers becoming non-effective. The amount will be based on the condition of the revolvers as assessed by the I. A. O. C.; part worn serviceable and repairable pistols being valued at  $\frac{2}{3}$  and 50 per cent. of V. O. S. rates, respectively. This compensation will only be admissible in the case of officers who are required to maintain a pistol as part of their equipment but have not received a free initial issue from Government. No compensation will be admissible in the case of arms, excluding pistols, issued on payment and subsequently returned to the I. A. O. C. under para. 67(iv).

158. The following special instructions are issued with reference to the general orders in R. A. I. regarding the disinfection of equipment and bedding of men and animals :—

- (i) Waterproof sheets will be disinfected by being thoroughly washed in a  $2\frac{1}{2}$  per cent. creosol solution and then sundried. On no account are they to be put through a disinfectant.

Page 51—

Paragraph 158-A (as inserted by amendment No. 102 of February 1940) is amended as follows :—

Line 1—

For "Platinum scrap" substitute "Mixed metals containing platinum".

Case No. 33735/M. G. 7-A.

D. F. A. (O.) No. 114-A/O.-2 of 1940.

D. D. Regr. No. 4698/C. R. S. of 1940.

Amendment to E. Rs. (I.), Part I, Reprint 1939.

No. 11 of July 1939.

Page 51—

Paragraph 159 is reconstructed as follows :—

159. Unserviceable arms and connected equipment will be returned to the Indian Army Ordnance Corps as soon as disposal orders are received. These orders are imperative, and the Chief Ordnance Officer or Ordnance Officer concerned will bring to the notice of the Superior Commander for disciplinary action, any instances in which the return of unserviceable arms has been unduly delayed.

Unserviceable small arms components will be returned to Ordnance charge as soon as they are certified as such by the area C. C. M. A., see paragraph 138.

When broken heads, breech, bolt, are, returned, both the head and tenon must be forwarded. In instances where the head may become lost, the tenon must always be returned.

In the case of swords, however, components may be removed from defective swords under return to arsenal, after receipt of disposal orders from the C. O. O., for the repair of other swords when the annual allowance is insufficient for this purpose. Components removed will be replaced by those taken from the swords under repair and will be screwed into position.

Case No. 2888/M. G. 7-A.

D. F. A. (O.) u/o No. 1720/R. P. of 1939.

D. D. Regr. No. 5077/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).



Insert the following as paragraph 158-A :—

C2120  
7/40

“ 158-A. ~~Platinum scrap~~ available for disposal with units of the Defence Services will be disposed of as follows :—

- (a) Articles such as vessels and wire will be broken up. Foreign metal will, as far as possible, be removed.
- (b) Accumulations will be despatched by registered and insured post on regular vouchers to the Chief Ordnance Officer, The Arsenal, Kirkee, direct as and when they become available in units.

Case No. 33735/M. G. 7-A.

D. F. A. (O.) No. 10303/R. P. of 1939.

D. D. Regr. No. 11467/C. R. S. of 1939.

- (ii) In cases of epidemics where local facilities do not permit of disinfection being carried out, the matter will be reported through staff channels with a view to the adoption of other measures or the issue of a necessary warning to the receiving establishment.
- (iii) All pans privy, tubs urinal, stools close and similar stores will be thoroughly cleaned and disinfected. Cases of non-compliance will be reported to the superior commander.

158 CS 11  
**SECTION XI.—SURPLUS, OBSOLESCEMENT AND UNSERVICE-<sup>2/40</sup>ABLE STORES.**

159. Unserviceable small arms, machine guns, connected equipment and components thereof (with the undernoted exceptions) will be returned to ordnance charge immediately disposal orders have been received. These orders are imperative and the C. O. O./O. O. concerned will bring to the notice of the superior commander, for disciplinary action, any instance in which the return of the above-mentioned unserviceable stores has been unduly delayed.

*Exceptions—*

- (i) Small arms components for which there is an annual allowance, the return of these is governed by para. 138-4.
- (ii) Swords—Serviceable components may be removed, from defective swords under return to ordnance, for the repair or other swords, when the annual allowance is insufficient for the purpose. Components so removed will be replaced by those taken from swords under repair and will be screwed into position.

In the case of swords, however, components may be removed from defective swords under return to arsenal, after receipt of disposal orders from the C. O. O., for the repair of other swords when the annual allowance is insufficient for this purpose. Components removed will be replaced by those taken from the swords under repair and will be screwed into position.

When broken heads, breech, bolt, are returned to the I. A. O. C. both the head and the tenon must be returned.

In instances where the head may become lost, the tenon must always be returned.

160. Any stores returned by units as unserviceable found by the I. A. O. C. to be serviceable or repairable by unit artificers, of non-service pattern or which have become unserviceable through ill usage or neglect, will be set aside and the matter reported by the C. O. O. or O. O. concerned to the brigade commander, copy to the D. A. D. O. S. district.

(NOTE.—This action will not be taken when the provisions of paragraph 13, Financial Regulations, Part I, have been complied with.)

The brigade commander will call for an explanation from the unit and after investigation (assisted by the D. A. D. O. S. as necessary) will refer the matter to the district commander or will give a decision himself. In the event of the decision being adverse to the unit the condemned or repairable stores will be returned to the unit and those issued in replacement returned to the I. A. O. C., the cost of freight being paid by the unit. Where non-service pattern stores have been returned, the unit may be ordered to pay for those issued in replacement. In the case of stores damaged or worn out through ill usage or neglect recovery in accordance with paras. 179 and 180 may be ordered.

**161.** When the serviceability of a store is open to doubt, as may occur in the case of ammunition, the unit commander will attach a report on the facts to enable the C. O. O. or O. O. to arrange for a representative to inspect. If this is done the unit commander will not be called upon to defray the cost of carriage unless damage is due to the fault of the unit. This procedure is only to be used in cases where expert decision is required.

**162.** The following special instructions are issued in connection with the disposal of surplus, obsolescent, and unserviceable ordnance stores with organisations not administered by the Defence Department:—

- (i) When ordnance stores (other than technical and warlike stores) issued free of cost, become unserviceable, application on I. A. F. Z.-2098 will be made to the nearest C. O. O. for his instructions as to their disposal. If such stores are ordered to be returned to the I. A. O. C. freight charges will be borne by the army (i.e., the receiving establishment). If, however, the stores are ordered to be sold locally, the sale proceeds will be credited to the army.
- (ii) Ordnance stores of the abovementioned kind, issued on payment, which become unserviceable, will be disposed of at the discretion of the head of the department concerned, local sale being generally the most profitable method of disposal. If, however, it is desired that the I. A. O. C. should dispose of any of the stores, application will be made to the nearest C. O. O. on I. A. F. Z.-2098 showing details of the stores. The C. O. O. will use his discretion in allowing the return of any, or all, of the stores reported for disposal. In the case of local disposal the sale proceeds will be retained by the department concerned. Credit for stores returned voluntarily to the I. A. O. C. will be allowed by the army at the actual sale or scrap value (or where this is inconvenient, at a rate to be assessed by the C. O. O. not exceeding their approximate sale or scrap value).

No. 195 of February 1943.

Page 53 (59 of Reprint 1941)—

The following be deleted from lines 11 and 12 of sub-paragraph (iii) :—

“ (Except .22” R. F. which will be disposed of locally) ”.

2. After the sub-paragraph ending with “ apply ” *insert* as a new sub-paragraph :—

“ I. S. F. units will return .22” R. F. empty cases to arsenals in the same way as they do cases cartridge fired .303” ball and blank. ”

Case No. 02194/M. G. 7-E.

M. F. Dy. No. 14635 (O-2) of 1942.

Page 53

No. 150 of April 1941.

Para 162(iii)

Line 10.

Delete "important."

Amendment to E.Rs. (I), Part

Case No. 20468/M.G.7-A.

D.F.A(C) Dy. No. 99-S/O-2 of 1941

D.D. Regt. No. 3116/C.R.S. of 1941.  
I, 1933 (Reprint 1939).

of the articles less expenses incurred in breaking up the article or preparing them for sale. Freight charges on voluntarily returned stores will be prepaid by the consignor.

- (iii) Unserviceable technical and warlike stores will be disposed of in the same manner as for the regular army, *i.e.*, indentors will submit to the nearest C. O. O., together with an indent for their replacement, if replacement is necessary, I. A. F. Z.-2098, showing the stores for which disposal orders are required. The C. O. O. will give instructions for their disposal locally or return to arsenal as he may consider advisable. Unserviceable guns, machine guns, sights, arms, ammunition, explosives and important components thereof, fired cartridge cases (except .22-inch rim fire which will be disposed of locally) and fired bullets and lead recovered from ranges, must be returned to the ordnance corps, except in cases where ammunition and explosives are ordered to be destroyed locally. The return of ammunition boxes, bandoliers and chargers is not compulsory, but such stores will be accepted by the I. A. O. C., and refunds granted in accordance with para. 143. Freight will be paid on (except for articles the return of which is compulsory, for which the Army will bear freight) and credit afforded for the stores returned in the manner specified in sub-para. (ii), except where special rates of credit exist, when the latter will apply.

Refunds on account of arms and components, the return of which is compulsory, will be governed by the following circumstances :—

- (a) If the arms are returned by the unit and are replaced by a later type, *e.g.*, re-armament, no refund will be permissible.
- (b) If the arms are returned, being in excess of authorised scale or in the normal course of replacement, refund will only be made for those found to be either serviceable or repairable. No refund will be made for those which, in the opinion of the arsenal, are found to be unserviceable.

NOTE.—In the case of police and irregular units of Indian States, political officer and local Governments who have been authorised to sanction the issue of small arms and small arms ammunition [see paragraph 63(b) (ii)] may also sanction the retention or destruction by Indian States of old arms of the above category, which are their property, in consultation with the local district or independent brigade area commander, and without reference to the Government of India—Punjab and Bombay Governments being consulted in the case of Punjab States and Baroda State respectively. The local military authorities will be informed of the type of the arms and of the date of their purchase or supply.

C/150  
4/41



- (iv) The repair or replacement of ammunition and stores found by technical inspectors of the army to be defective will be on payment, unless the inspector certifies that the defect is due to faulty manufacture or causes attributable to the supplying department, in which case the cost of repair or replacement and freight charges will be borne by the army.

Ammunition and explosives issued on payment which are returned to arsenal and found to be unserviceable due to age limit or through causes not due to the supplying department will be replaced on payment and no refund will be permissible, neither will any debit be raised by the supplying department for expenses incurred in connection with the break-up of the stores.

- (v) Refunds for stores returned, whether compulsory or voluntary, will be based on the condition in which the stores are found on receipt by the I. A. O. C. who will be the final conditioning authority.

Credit notes to cover the compulsory return of stores to the I. A. O. C., will be issued, on application, by the ordnance officer concerned.

- (vi) The return by Indian States of time guns, saluting guns or guns issued for ornamental purposes, when no longer required, is not compulsory and freight charges on them when voluntarily returned, will be prepaid by the consignor.

163. The day and hour for return of unserviceable equipment and for issue of new equipment in respect of units in arsenal stations, should be arranged by communication between the C. O. O. and the unit commander.

164. Unserviceable government stores which cannot be safely sold will be broken up with such precautions as will ensure their complete conversion into scrap.

165. All metal parts or mountings of unserviceable accoutrements and harness and saddlery, etc., will be returned by units to the arsenal on which dependent.

166. Any mounting returned (*vide* para. 165), found fit for further use will be re-burnished in arsenal and issued to units as necessary in satisfaction, or in part satisfaction of their annual demands for similar articles for repair purposes.

167. Condemned crockery and glassware will be destroyed beyond recognition in the presence of the condemning officer or board appointed by the unit and a certificate to that effect will be attached to the indent for the articles required in replacement.

Page 55—

*Insert the following as paragraph 168-A—*

“ 168-A. A. T. Coys. (Mule) will retain unserviceable head collars, condemned in accordance with paragraph 52, up to a scale of one per mule, for use in mule lines.

I. A. F. Z.-2098 will be submitted to the arsenal on which dependent requesting permission to retain the unserviceable head collars. On return of the form from the arsenal it will be temporarily filed to await disposal of the stores. When the head collars become totally unfit for further use, they will be returned to the arsenal on which dependent and vouchers in support will be endorsed ‘ Originally retained under Disposal Order No. (enter arsenal number and date) and now returned as completely unserviceable ’.”

Case No. 1592/M. G. 9-B.

D. F. A. (O) u/o No. 4704/R. P. of 1939.

D. D. Regr. No. 6079/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).

No. 113 of May 1940.

Page 55—

*Insert the following new paragraph :—*

“ 170-A. In stations in Northern Command and Western (I.) District where the severity of the weather necessitates increased protection for animals standing in open lines, unserviceable covers waterproof may be retained by units for the purpose of backing horse rugs.

If unserviceable covers waterproof are not available with units, requirements will be demanded from the I. A. O. C. Establishment on which dependent.

Thread, etc., required for this purpose will be taken from the annual allowances.”

Case No. 14861/M. G. 9-C.

D. F. A. (O.) u/o No. 2010/O-2 of 1940.

D. D. Regr. No. 2180/C. R. S. of 1940.

Amendment to E. Rs. (I.), Part I, Reprint 1939.

168. The sanction of the ordnance officer concerned will be obtained on I. A. F. Z.-2098 by all units (except military hospitals) to the retention of condemned articles that can be economically utilized in the repair of other articles. Military hospitals will return all articles of condemned linen, bedding, etc., to the arsenal or depot on which dependent to be torn up for disposal as woollen and cotton rags, subject to the provisions of para. 169.

168-4 *ea 38*  
 169. *Retention of Condemned Hospital Linen for Cleaning and Repair Purposes.*—Os. C. military hospitals may be permitted to retain for cleaning or repair purposes, with the prior concurrence of the C. O. O., such quantities of hospital linen condemned as unserviceable at the quarterly condemnation board (see para. 52) as are required for use during the ensuing quarter. Application for sanction of the retention of such articles will be made by Os. C. military hospitals to the C. O. O. concerned on I. A. F. Z.-2098. *9139*

Other materials of I. A. O. C. supply required for repair purposes may be demanded free on an "as required" basis. Materials which are not supplied by the I. A. O. C. may be purchased locally and the cost thereof, met from the incidental grant of the hospital.

After sanction has been accorded by the C. O. O. to the retention of the quantities of condemned linen (as defined on I. A. F. Z.-2098) required for cleaning or repair purposes, Os. C. military hospitals will submit a report to the C. O. O., certifying that these quantities have been torn up into suitable small pieces.

Os. C. military hospitals are prohibited from accumulating unnecessary quantities of such materials and if the quantities required to be retained appear excessive, the C. O. O. will represent the matter to the A. D. M. S. concerned.

170. Unserviceable ground sheets may be retained by units, at the scales given below, for conversion into aprons for the use of armourers and electricians when handling acids, etc., having a deteriorating effect on their clothing:—

For armourers . . . . .	One per unit.
For electricians . . . . .	One per two electricians.
(In cases where there is only one electrician on the establishment, one ground sheet will be issued.)	

Each ground sheet will be converted into two aprons.

If unserviceable ground sheets are not available with units, requirements will be obtained from the I. A. O. C. establishment on which dependent.

The cost of conversion will be borne regimentally.

170-A

*ea 113*  
*5/40*

171. A refund at the stock book rate *plus* 5 per cent. departmental charges will be granted to Indian States Force units for all plugs removed from gun ammunition returned to the I. A. O. C. in a condition which enables them to be used again. Plugs returned with burred threads, or which are in any way damaged, will be classified as unserviceable, and the refunds to be granted on this account will be made at a rate to be assessed by the chief ordnance officer according to the condition of the plugs at the time of their return.

172. A credit at the actual sale or scrap value (or where this is inconvenient at a rate to be assessed by the C. O. O. not exceeding the approximate sale or scrap value) of the articles, less expenses incurred in breaking up the articles or preparing them for sale will be afforded to the R. A. F., R. I. N. and M. E. S. in the case of unserviceable stores (for which a debit was raised on issue) returned to the I. A. O. C. by these formations. Freight charges on returned stores will be charged to the R. A. F., R. I. N. or the M. E. S. as the case may be.

172-A. Units (other than Indian States Force units) not administered by the Defence Department will in the case of ordnance stores, sentenced "factory repair", returned, be allowed the following refunds. Freight charges will be made in accordance with para. 162.

(i) Normally, if of a pattern supplied by the I. A. O. C., the stores will be replaced. The stores issued in replacement will be charged for at the stock book rate according to whether they are new or part worn and credit at 50 per cent. of the stock book rate afforded to the civil estimates concerned for stores which were originally issued on payment by the I. A. O. C.

(ii) Where the stores cannot be replaced (in cases of non-standard patterns requiring repairs) or where despatch of the stores to the factory for repair and return is convenient and the same stores can be returned to the unit after factory repair, the actual cost of repairs will be charged against the civil estimates concerned.

## SECTION XII.—PACKING MATERIALS.

173. The stores which have to be returned by units being necessarily less than those received, the packing materials originally received should be more than sufficient for the packing of articles to be returned. Os. C. units will, therefore, ensure that packages on receipt are carefully opened and all gunny, string, nails, screws, etc., are salvaged for eventual re-use.

No. 12 of July 1939.

Page 57—

Paragraph 177—

Line 2—

After “obtained” insert “on loan”.

Add the following at the end of this first sub-paragraph :—

“Demands for arms chests ‘on loan’ under this authority will be for periods up to six months only, and will not require the countersignature of the Superior Commander.”

Case No. 23790/M. G. 7-A.

D. F. A. (O.) Dy. No. 1015/R. P. of 1939.

D. D. Regr. No. 5077/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).



*Ordnance packages—Accounting for and disposal of.*—  
 Packages received from ordnance will not be brought on charge under a general heading such as "Cases packing of sorts" or "Drums of sorts" but will be accounted for by units under the same nomenclature under which vouchered.

174. In special cases where the packing materials salvaged for re-use are found insufficient, an indent for the additional requirements, including packing cases, will be preferred on the arsenals concerned with the reasons for demand. If the chief ordnance officer of the arsenal is personally satisfied with the explanation given, the materials indented for will be issued to the units concerned on regular vouchers. For reasons of economy a chief ordnance officer may direct the ordnance officer of a dependent depot to make the issue on his behalf.

175. Stores issued under para. 174 should not exceed the financial powers of the chief ordnance officer. When, however, the cost of stores demanded does exceed the chief ordnance officer's financial powers, sanction of the competent financial authority will be obtained.

176. To prevent undue accumulation of packing cases, units will ensure that as many as possible are utilised for the return of stores to ordnance charge. I. A. F. Z.-2098 will be periodically submitted to the ordnance establishment on which dependent for orders regarding the disposal of those which cannot be so utilised the condition of the packing cases being clearly indicated. The C. O. O. will use his discretionary powers in this connection having regard to the condition of the cases (as shown) and the freight charges involved. Cases ordered to be returned will be 'nested' where possible or carefully reduced to shooks and returned to ordnance charge by the next "economy" wagon or the cheapest available method.

Drums will be returned immediately they are empty, by the cheapest method.

Unserviceable packing cases being returned to the I. A. O. C. will be 'nested' to save bulk in transit.

177. Arm chests or cases required for the carriage or package of arms or stores will be obtained from the nearest arsenal. On arms and machine gun chests being emptied, their fittings and screws will be securely replaced. c 212  
7/39

Chests returned to arsenals containing small arms or machine guns for deposit repair will not be charged off the unit's ledger. In the arsenal they will be accounted for as out of column beneath the stores in column 1 of I. A. F. O.-1370. If requiring arsenal repair they will be repaired on the same work order or on an extract bearing the same number. After repairs the chests will be returned on deposit issue voucher (I. A. F. O.-2497) of the workshop.



Arms chest or cases will be issued to I. S. F. units and other units not administered by the Defence Department, free on loan and freight charges, both ways will be borne by the Government of India, when required for the conveyance of—

- (a) Arms issued free initially or in replacement under paragraph 86.
- (b) Surplus arms ordered to be returned by I. S. F. units (class A and B).
- (c) Arms requiring repairs or replacement at the expense of Government.

Damages to arms chests, when used for conveyance of arms under the above categories, will be borne by the Government of India.

Arms chests or cases will be issued to I. S. F. units and other units not administered by the Defence Department, on payment when required for the conveyance of—

- (a) Arms issued on payment (other than in replacement of those issued free initially under paragraph 86).
- (b) Arms returned for repair or replacement the cost of which is borne by them.

Freight charges, both ways will be borne by the units except in the case of I. S. F. units.

Arms chests or cases required by the civil authorities for the conveyance of confiscated arms to ordnance establishments will be issued on payment and freight charges, both ways, will be debitable to the civil department concerned.

When chests or cases issued on payment are returned to the supplying department a refund will be admissible according to the condition in which they are received in the I. A. O. C. establishments.

### SECTION XIII.—LOSSES.

**178.** The consignee is responsible for investigation and adjustment of all losses in transit, as laid down in R. A. I., Chapter XV, para. 915.

An immediate report will be made by telegram to the issuing establishment in all cases where deficiencies are discovered in consignments, issued by ordnance establishments, of arms, ammunitions, etc., referred to in R. A. I., para. 915 and I. A. F. Z.-2000, and the orders laid down in those regulations will be carried out at once.

**179.** The procedure to be followed for the replacement of articles lost or damaged, for which the competent financial authority orders cash recovery to be made from an individual or unit held responsible for the loss, will be found in Financial Regulations for the Army in India, Part II.

Page 59 (Page 65 of the 1941 reprint)—

Reconstruct para. 183 as follows:—

“Ammunition Registers will be maintained as detailed below for all ammunition held on charge of units on the undermentioned forms:—

- |  |  |
|--|--|
| (a) I. A. F. O-2591 Register of S. A. A., grenades, detonators, pyrotechnics and miscellaneous ammunition. | } For use by all units.                                    |
| (b) I. A. F. O-2592 Register of cartridges and shell and mortar bombs.                                     |  |
| (c) I. A. F. O-2593 Register of primers and fuzes.   | } For use only by units holding gun and mortar ammunition. |

### INSTRUCTIONS.

*For units in the preparation and maintenance of ammunition registers.*

(i) Forms of each nature will be maintained separately on the “Loose Leaf” system in a locally improvised strong cover which will be marked clearly “Unit Register of.....etc.” accordingly to the nature of the forms concerned. Sheets will be numbered serially in each pad to avoid any sheet being lost or misplaced.

(ii) A separate sheet will be maintained for each type, mark, date of assembly or filling, and lot of ammunition as directed on the respective forms. All particulars of the ammunition will be entered on the form and only recognised abbreviations used e.g. 303-in. Mk. VII Ball. The place and date of filling or assembly etc. may be written thus:—K. F. 1-3-41; ICI/A 1-3-41.

(iii) Permanent entries such as nomenclature, date of filling or assembly, etc. and entries regarding receipts and issues will be made in ink. Other entries may be made in pencil.

(iv) On the expenditure of a complete lot or date of filling of ammunition, the form in the register concerned should be removed from the pad and retained separately. It will be destroyed after the I. O. O.'s annual inspection.

(v) To facilitate the identification and easy location of ammunition, boxes will be numbered serially under unit arrangements. The registers have been arranged to provide for the entry in them of box numbers.

(vi) Registers must be kept up-to-date at all times and be available for check by Inspecting Officers, who will enter any remarks necessary on the reverse of the form.

(vii) Pads of Ammunition Registers with all sheets correctly completed up-to-date will be handed over by each unit on relief. The relieving unit will check the Ammunition Registers to ensure that they correctly represent the ammunition taken over.

A copy of the above instructions will be securely pasted on the inside of the front cover of each Ammunition Register pad and the instructions strictly followed in the preparation and maintenance of the registers.”

Case No. 1925/M. G. 1-B.

D. F. A. (O.) v/o No. 150/O-3 of 1941.

D. D. Regr. No. 12678/C. R. S. of 1941.

In the case of stores damaged, where the cost of repair is payable by a unit or an individual, recoveries will be made in accordance with para. 46, Financial Regulations for the Army in India, Part I.

180. For the purpose of recoveries to be effected from units or individuals on account of losses of ordnance stores, such losses will be assessed on the unexpired value of the stores, calculated on the life of the article against the period it has been in use after the date of issue new from an arsenal in accordance with paras. 115 and 218. Repairable articles will have their value calculated at two-thirds of the rate for a serviceable article, reduced with reference to the period in use while for stores lost or done away with after having lasted their prescribed periods of wear, the penal recovery will be made at the minimum of one-tenth of their stock book rate, plus 5 per cent. departmental charges, except in cases where special legislation exists to the contrary, *e.g.*, small arms.

Where sufficient data is not available for the value to be assessed the amount to be recovered will be 50 per cent. of the stock book rate subject to the proviso that, where subsequent evidence proves this charge to be in excess of the actual value of the stores at the time of loss, the difference will be refunded to the individual concerned. Should, however, it be subsequently discovered that these stoppages awarded do not cover the assessed value of the article lost, the sum short-recovered will not be deducted from the unit or individual concerned.

181. Deficiencies in small arms metal cases should be dealt with as laid down in Financial Regulations, India, Part I. Yearly reports of all losses dealt with under powers of the competent financial authority will be submitted to brigade commanders concerned as directed in I. A. F. Z.-2000 (Regimental Section).

#### SECTION XIV.—AMMUNITION.

182. A copy of the rules for the storage of ammunition (I. A. F. O.-1416) will be hung up in each magazine and small arms ammunition store.

183. Ammunition registers, I. A. Fs. O.-2475 to 2481, will be kept up to date. C 2160  
8/61

184. So far as possible, each brigade of artillery will have only one lot of 101-E fuzes on charge. To enable this position to be maintained, artillery units, moving in relief with equipment from one area of supply to another, will exchange its 101-E fuzes with those in possession of the relieving unit under orders of the C. O. O. concerned.

185. 101-E fuzes for conversion to 109-E for practice will be selected from the oldest and smallest lots in ordnance charge.

186. To effect correct turnover, the oldest dates of gun and howitzer ammunition will be expended by R. A. units and defences at practice, in the absence of orders to the contrary and subject to the disposal of small lots that do not group. (By small lots that do not group is meant—small lots which cannot be grouped together for purposes of proof in accordance with the various regulations on the subject in R. A. O. S., Part II. Generally, stores of different natures or marks and bearing different maker's initials or of ages differing by more than six months are not to be grouped together.)

186-A. Issues of fuzes to units, by the I. A. O. C., will be made from the same lot numbers as are already held on unit charge; or if this is not possible, from fuzes of one lot number.

187. When gun ammunition is sentenced for early expenditure, it will be issued by the C. O. O. to units for this purpose. In such cases, batteries will be notified and the issue vouchers will be clearly marked "For early expenditure". Such ammunition is to be fired off first, even if ammunition of an older date is on charge.

188. To effect the turnover of ammunition on charge of ammunition columns, batteries will draw from ammunition columns for practice, as detailed in the India Army Order issued each year on the subject of practice ammunition, and ammunition columns will recoup from arsenals. In the event of ammunition columns being unable to meet the full demand, Os. C. ammunition columns will prepare unsigned indents for the balance and forward them to the Os. C. batteries, who will submit them to the arsenal on which dependent.

188-A. Unit commanders will report to the I. O. O. of the area (see paragraph 377) all changes in the quantity of gun ammunition on their charge immediately they occur, i.e., changes due to expenditure and movements between stations or units. Such reports will be prepared on the following form:—

Lot No. of Cordite.	Nature of Ammn.	Quantity on charge.	No. issued or received.	Issued to or received from.	Balance remaining on charge.	Remarks.

189. Responsibility for effecting turnover in units rests with unit commanders.

Superior commanders will arrange for the turnover of ammunition in defences.

No. 79 of December 1939.

Page 60—

Paragraph 188-A—Line 2—

After "ammunition" insert "cartridges".

Case No. 13812/M. G. 7-A.

D. F. A. (O.) No. 7611/R. P. of 1939.

D. D. Regr. No. 9559/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, Reprint, 1939.

No. 13 of July 1939.

Page 60—

Paragraph 189 is amended as follows:—

Delete second sub-paragraph, and substitute—

Ammunition (other than S. A. A.) will not be transferred between units (except on relief) without the prior sanction of the Chief Ordnance Officer. Details of such transfers will be reported to the Inspecting Ordnance Officer immediately on completion. Superior Commanders will apply to the Chief Ordnance Officer concerned for turnover of ammunition in defences."

Case No. 30868/M. G. 7-A.

D. F. A. (O.) Dy. No. 1527/R. P. of 1939.

D. D. Regr. No. 5077/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).



Page 61 (Page 67 of the 1941 reprint)—

After paragraph 196 insert the following new paragraph :—

196-A. Misfires sometimes occur with B. L. Cartridges, even though the tube has fired. In such cases, if on opening the breech it appears that the cartridge is smouldering, a special examination will be carried out and a report rendered to the proper authorities. Care will be taken that the suspected cartridge is not unduly exposed to the air or unnecessarily handled during this examination ; its immersion in water, as detailed in the gun drills, must be effected as quickly as possible.

2. The fabric of the igniter will be dried out and examined. Smouldering will be indicated by the presence of charred edges round the flash hole made by the tube, and its extent may be estimated by measuring the amount of this charring.

3. Smoke generated by the firing of a tube may hang about the chamber and be released when the breech is opened and so give rise to the suspicion that the cartridge is smouldering. Blackening due to contamination with gunpowder must not be confused with charring.

4. The fabric of the igniter and cartridge bag will, after immersion and drying out, be forwarded to the Inspector of Ammunition, KIRKEE, this paragraph being quoted in all correspondence.

Case No. 33389/M. G. 1-B.

D. F. A. (O.) u/o No. 3108/O.-2 of 1942.

D. D. Regr. No. 151/C. R. S. (R.) of 1942.

Amendment to E. Rs. (I.), Part I, Reprint 1939 and 1941.



No. 161 of August 1941.

Page 61 (Page 68 of the 1941 reprint)—

After para. 197, insert the following :—

“ 197-A. Detailed instructions for the assembly of blank cartridges are published in :—

Instructions to guide the assembly of cartridges, Q. F., blank, I. A. F.  
18-pr. O-2555

Instructions to guide the assembly of cartridges, Q. F., blank,  
4.5-in. howitzer O-2556

Instructions to guide the assembly of cartridges, Q. F., blank,  
3.7-in. howitzer O-2557

These instructions will be strictly complied with by units and copies hung  
up in each building where blank cartridges are assembled.”

Case No. 544/III/M. G. 1-B.  
D. F. A. (O.) u/o No. 692/O-3 of 1941.  
D. D. Regr. No. 11161/C. R. S. of 1941.

Amendment to E. Rs. (I.), Part I, Reprint 1939 and 1941.

190. On the conclusion of his inspection, the I. O. O. will include, in his narrative report, his opinion as to whether turnover of ammunition has been effected correctly or not and a note to the effect that this has been done will be endorsed on every detailed report.

191. All batteries, whether on the lower or higher establishment, will hold in peace their full quota of ammunition, including the scale for I. S. Sections.

192. Service gun ammunition will not be carried by mechanized R. A. units and columns in peace time, except for gun practice or when specially ordered. Any ammunition so carried will be inspected by an I. O. O. on conclusion of the exercise.

When full loads are required for training purposes, weights will be made up with any type of ballast available.

193. Batteries of mobile artillery ordered on service will take with them the fuzes in their possession provided—

(a) That the fuzes have been sentenced serviceable by the I. O. O. and the sentence confirmed by the I. of A. during the previous twelve months.

(b) That, in the case of T. and P. fuzes assembled in the shells, the covers are intact and in good and clean condition.

(c) That, in the case of T. and P. fuzes carried separately in cylinders, the cylinders are intact and have not been opened. Cylinders closed with tape should be returned to the arsenal of supply and new fuzes demanded to replace them.

194. Serviceable Q. F. and B. L. ammunition boxes, fuze, tube, shell and cartridge boxes, and metal lined cases, will be accounted for and returned to the supplying establishment as soon as possible after the contents have been expended. Unit commanders will ensure that no packages of the above descriptions are condemned unnecessarily.

195. All possible precautions will be taken to prevent loss and to effect recovery of empty cartridge cases.

196. All fired friction tubes should be immersed in mineral oil within 24 hours after firing.

197. Artillery units at stations distant from an arsenal may be allowed by superior commanders a reserve of one year's supply of blank ammunition for firing salutes.

For the scale of artillery blank ammunition allowed as a pool annually to commands, for use at manoeuvres, etc., see Appendix

198. The scale of stores admissible for the destruction of blind shell and trench mortar bombs and defective grenades are given in Appendix 6.

C. 2181  
5/42

C. 2161  
8/42

199. The following is the procedure in regard to fuzing of shell in peace and war :—

### I. IN PEACE—

(a) All shell are carried plugged by units, except :—

- (i) Such rounds of shrapnel and H. E. as may be ordered by G. O. C. in accordance with local conditions.

Shell and cartridges of the oldest dates will be fuzed, the number of fuzed rounds so held being reduced to a minimum to avoid consequent deterioration. Such rounds will be expended at the following practice.

The firing of H. E. rounds fuzed with 101-E fuze is forbidden in peace. Normally shell should not be fuzed with this type of fuze in peace merely in order to be held ready for emergency in a station, or on the line of march with a column. If, however, considered necessary, H. E. Shell, with 101-E fuzes carried separately, may be taken on column and, if firing is definitely ordered and it is found that H. E. rounds fuzed with 101-E fuze are absolutely necessary for the effective execution of any task, the number of rounds required for the specific task may be so fuzed. Should any of these rounds remain unfired at the end of the action, they may, if considered necessary, be retained fuzed but not carried in vehicles under peace conditions so long as they are sentenced by the I. O. O. as serviceable; if they are not required to be retained fuzed, they should be reported to the ordnance officer concerned for disposal.

(ii) Practice ammunition when proceeding to practice.

(b) All shell are held plugged in arsenals.

(c) All shell are issued from factories plugged.

### II. IN WAR—

(a) On mobilization all shell in Mountain, Horse and Field batteries and Ammunition column (except Medium) will be fuzed by units and carried fuzed. If subsequently ordered overseas, the shell will remain fuzed for transportation.

(b) B. L. 60-pdr. and 6-inch howitzer batteries will fuze shell as required, but will not necessarily carry all their shell fuzed.

(c) Arsenals will fuze shell for Mountain, Horse and Field batteries (except 2.75-in.) for issue to units in a frontier war.

(d) Shell for shipment overseas will be shipped plugged; and with the exception of B. L. 60-pdr., and 6-inch howitzer will be fuzed by the Ammunition Section at the base.

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- 1/42

2/43. Page 62 (Page 69 of reprint 1941).  
Para. 199, 'II IN WAR.'

for the existing sub-paras. (b) and (d) substitute the following :—

"(b) Shell for medium artillery equipments (B.L., 60 pdr. Gun, 5.5-in. Gun/How., and 6-in. Howr.) and nose fuze shell for Coast Defence artillery equipments (4.5-in. (C.D. role) ; 6-in., 7.5-in. and 9.2-in. Gun) will be fuze by units as required."

"(d) Shell for shipment overseas—All shell except those for equipments detailed in sub-para. (b) will be shipped fuze."

D.F.A. (O) u. o. No. 19008/O-2 of 1943.

Case No. 2275/V/MG/DA-1B.

Para. 199, 'II IN WAR.'

for the existing sub-para. (e) *substitute* the following :—

“(e) Shell issued from factories—All shell except those for equipments detailed in sub-para. (b) will be issued fuzed.”

*Insert* the following new sub-paras. :—

“(f) Chemical shell—All chemical shell are at present normally issued plugged, but some 25-pdr. shell have been issued fuzed. In the event of chemical warfare breaking out, normally boxed shell will be issued fuzed and unboxed shell will be issued plugged. Shell issued plugged will be fuzed by units as required. Chemical shell for shipment overseas will be shipped in the same state in which it is issued, *i.e.*, either fuzed or plugged as the case may be.”

“(g). American shell—All American shell up to and including 105 mm. with the exception of Q.F., 75 mm., H.E., Mk. I and Q.F., 75 mm. Chemical (smoke and gas) are normally issued fuzed, and will be held and shipped fuzed by units. Those types issued plugged will be shipped plugged, and fuzed by units as required.”

No. 183 of July 1942.

*After* paragraph 199-B *insert* the following new paragraph:—

“ 199-C.—The use of cast iron plugs in H. E. shell which are to be fired plugged is forbidden. This type of plug is not strong enough to withstand the shock of firing and in consequence plugs made of other material must be used.

Plugs made of cast iron can be identified by the letter “ F ” after the Mark.”

Case No. 435/III/M. G. 1-B.

D. F. A. (O) u/o No. 5492/O-2 of 1942.

D. D. Regr. No. 217/C. R. S. (R.) of 1942.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939 *and* 1941).



- (e) Shell will be issued from factories fuze, except B. L. 60. pdr., 6-inch howitzer, B. L. 2.75 and Q. F. 13-pdr, shell and shell for shipment overases.

199-A. Service and drill fuzes will on no account be mixed.

Drill fuzes on unit and I. A. O. C. charge will be examined at suitable intervals to ensure that they are actually of the drill pattern. For purposes of identification, these fuzes are stamped "DRILL", when new they are either blackened or bronzed externally but by use this colouring wears off.

Any fuzes found without the stamping "DRILL" or which otherwise appear to be suspicious will be set aside for inspection by the I. O. O.

Local repair and dis-assembly of drill fuzes by units for demonstration purposes is prohibited. Any such fuzes which may be dis-assembled by instructors at schools of instruction will be re-assembled before being returned to store.

199-B. When returning fuze rounds with uncapped 106 type fuzes to ordnance, as directed in the Gun Drill Pamphlet, units will attach to each round a suitable label bearing the words "UNCAPPED FUZE". Rounds returned with uncapped fuzes will be shown separately on the voucher and the number concerned clearly stated.

200. The following special instructions are issued in connection with the issue of S. A. A. :—

(i) With the exception of .22-inch cartridges, the first issue of S. A. A. will be made in advance of requirements; thereafter ammunition will only be issued in exchange for an equivalent number of fired cases.

(ii) The voucher number and date under which the fired cases have been returned to the I. A. O. C. will invariably be quoted in column 2 of indent for S. A. A.

(iii) In the case of indents for the annual allowance of pistol ammunition for medical and veterinary officers, and officers and other ranks of departments, a certificate of the numbers who actually fired the annual course will also accompany.

(iv) When S. A. A. has been fired in the air by Royal Air Force units, and the equivalent number of fired cases cannot be returned, the indent will be supported by I. A. F. A.-498 signed by competent financial authority and endorsed with the following certificate :—

"CERTIFIED that No. \_\_\_\_\_ rounds have been expended from the air and that only No. \_\_\_\_\_ empty cases have been recovered. This number has been despatched to the Ordnance Corps on voucher No. \_\_\_\_\_, dated \_\_\_\_\_."

(v) The total quantity of S. A. A. *plus* fired cases on charge, less fired cases awaiting return to arsenal by full wagon in accordance with R. A. I., paragraph 908, should never exceed the fixed allotment, and the unit commander will furnish a certificate on all indents in the following form :—

“CERTIFIED that the balance of cartridges and fired cases remaining on hand, *plus* the quantity under demand less fired cases awaiting return by full wagon on voucher No.      date does not exceed the maximum allowed to the unit.”

(NOTE.—These orders do not, however, apply in the case of units in the Waziristan district who may demand ammunition, as required, up to their fixed allotment, on furnishing a certificate on the indents that an equivalent number of fired cases will be returned in due course.)

(vi) Issues of ball and blank S. A. A. will be in complete boxes to the nearest number of rounds. The only cases of issues in part boxes should be :—

(a) Issues to individuals.

(b) Pistol ammunition issued for departmental ranks, but in no case should a packet be broken into. Buckshot ammunition should be issued to the nearest number of full packets.

(vii) To avoid depleting the amount of practice S. A. A. maintained in regimental charge, unit commanders should indent for ammunition whenever they have expended six boxes out of their fixed allotment.

Units in the Secunderabad Area will obtain their requirements of ball S. A. A. from the officer-in-charge, Fort Armament, Secunderabad, under arrangements made by the superior commander. For this purpose 500 boxes of .303" and 40 boxes of .455" ammunition will be maintained at Secunderabad.

Units in Madras, St. Thomas' Mount, Perambur, Vizagapatam, Yercaud and Trichinopoly will obtain their requirements from the officer-in-charge, Fort Armament, Madras. For this purpose 250 boxes of .303" and 30 boxes of .455" ammunition will be maintained at Madras.

Units in Bangalore, Oorgaum, Mercara, Ootacamund, Wellington and Cannanore will obtain their requirements from the officer-in-charge, Agram Entrenchment, Bangalore. For this purpose 250 boxes of .303" and 40 boxes of .455" ammunition will be maintained at Bangalore.

Ammunition accounts will be maintained by the officer-in-charge of the Fort Armament concerned.

CS14  
7/39  
(viii) In the case of necessity, S. A. A. may be issued on receipt of a telegram from the demanding officer to the effect that the equivalent number of fired cases has been despatched to the supplying establishment.

No. 14 of July 1939.

Page 64, paragraph 200—

Renumber the existing clause (viii) to read (ix).

Insert the following as clause (viii):—

“(viii) Indents for the undermentioned S. A. A. will be submitted as shown below:—

Cartridges, S. A. Ball .303-inch. (Charger and Bundle packed).  
Cartridges, S. A. Pistol, .455-inch.

Units.	Demand from
Peshawar . . . . .	} Ordnance Sub Depot, Fort Peshawar.
Khajuri . . . . .	
Ammunition Dump, Landi Kotal . . . . .	} Ammunition Dump, Landi Kotal.
Landi Kotal Brigade Area (other than Khajuri) . . . . .	
Nowshera . . . . .	} Rawalpindi Arsenal.”
Risalpur . . . . .	
Mardan . . . . .	
Malakand Area . . . . .	
Drosh . . . . .	

Case No. 24209/1/M. G. 7.A.  
D. F. A. (O.) Dy. No. 2121/R. P. of 1939.  
D. D. Regr. No. 5077/C. R. S. of 1939.

201. The distribution in peace of S. A. A. and the fixed allotment of practice ammunition is laid down in Appendix 4.

202. Practice S. A. A. will be held in unit charge in the case of both British and Indian units. In normal circumstances the maximum quantity to be held on charge at one time will not exceed the fixed allotment. The amount of practice ammunition held on charge by Indian units should not fall below the total of emergency ammunition authorised therein.

In the case of Indian Infantry units in arsenal stations, a working balance of 15 boxes may, at the discretion of superior commanders, be held in unit charge.

Indian units located at non-arsenal stations will hold on charge in addition to the fixed allotment the practice ammunition authorised for reservists. On special occasions and for a specific period, *e.g.*, annual training camp, superior commanders may authorise a maximum of 100 boxes to be held on charge.

203. Detachments at out-stations should be in possession of their authorised proportion of practice S. A. A. which will be provided from the regimental allotment.

204. The fixed allotment of practice S. A. A. is the total number of cartridges and fired cases that may be held on charge at any one time, from which practice requirements are drawn. The term "fixed allotment" should not be confused with the allowances of practice S. A. A. shown in Equipment Regulations, India, Part 2, and Army Instructions (India) which are only intended to indicate the number of rounds that may be expended for the particular purpose for which they are authorised.

205. The O. C. reservists at the training station will, on the commencement of the training period, draw from the arsenal the full authorised allowance of S. A. A. for each reservist, and return any unexpended balance at the conclusion of the training, except loose rounds which should be expended at practice by the unit or depot at the station.

206. The commandant, Kurram Militia, will draw S. A. A. from their reserve store in Fort Parachinar. Indents will be submitted on the Rawalpindi Arsenal, the C. O. O. of which will arrange for the issue by the officer in charge of the reserves at Fort Parachinar.

207. When such a large quantity of blank S. A. A. is required for manœuvres that it cannot be found from unit's ordinary allotments, G. Os. C. will submit indents for the quantities required and such indents will be complied with without prior return of a corresponding number of fired cases. G. Os. C. will be responsible for the early return to arsenals of the fired cases and unexpended rounds of ammunition thus supplied. As much notice as possible of such requirements should be given to arsenals to enable the supply from factories to be regulated accordingly.



208. Secretaries of rifle meetings requiring a hundred or more boxes of S. A. A. will apply to the D. O. S. two months before the meetings take place for the total quantity of ammunition required. S. A. A. for small rifle meetings will be obtained direct from the nearest arsenal, and that for district and station revolver clubs from units at the station. The empty cases will be returned to the supplying arsenal or units. The issues made to regimental teams by secretaries will be equivalent to an issue made to a unit by an arsenal and the transaction will be accounted for in the equipment ledgers of the units concerned supported by issue vouchers. Any discrepancy between the number of rounds of ball issued to, and the number of empty cases returned by the team, will be accounted for by the unit concerned which will, if necessary, obtain the sanction of the G. O. C. to any loss incurred being written off.

Ammunition for rifle meetings is specially selected. The dates of manufacture of such ammunition is notified from time to time in India Army Orders.

209. Regimental officers may obtain, on payment, ammunition from their own unit. It will be dealt with as regards annual counting in the same way as regimental ammunition. Should ammunition of a description other than that in use by the unit be supplied on payment to a regimental officer, it will be brought on charge in the unit's equipment ledger.

210. Units that are authorised by E. R. (I.), Part 2, to purchase .303-inch ball ammunition at half price may, at the discretion of the unit commander, also purchase pistol ball ammunition at half price, provided the total expenditure at concession rates on rifle and pistol ammunition does not exceed the allowance already authorised for rifle ammunition. The quantity of pistol ammunition that is purchased will be deducted from the quantity of rifle ammunition so authorised at the ratio of 2 to 1 in lieu of rifle ammunition.

211. Subject to any special orders which may from time to time be issued by Army Headquarters, the S. A. A. ball to be expended at practice will be taken from that already in possession of troops and that received from the Ordnance Corps in the following order :—

- CS 156  
- 5/41
- (i) The contents of broken boxes, *viz.*, boxes, the tin linings of which have been opened and loose rounds.
  - (ii) Ammunition examined and rebundled or repacked at the Ammunition factory. Boxes containing this ammunition bear the words "Examined (year)" on the labels. This ammunition will be used up in the order of date of examination.
  - (iii) Other ammunition, the oldest to be used first.

No. 121 of July 1940.

*Page 67—Paragraph 213—*

*In line 2 delete " I. A. F. O. 1444 " and insert " A. F. A.-2 ".*

Case No. 30737/M. G. 7-A.

D. F. A. (O.) 5673/O.-2 of 1940.

D. D. Regr. No. 5715/C. R. S. of 1940.

Amendment to E. Rs. (I.), Part I, Reprint 1939.



- (iv) Ammunition marked "For Early Expenditure" will be expended first even though ammunition of earlier manufacture or examination is held on charge.

212. Rimi-fire and blank ammunition will be expended in order of the priority of date of manufacture.

The linings of boxes are not to be disturbed until the ammunition is actually required for use.

213. The S. A. A. account of a unit will be audited on ~~I. A. F. O. 1444~~, by a regimental board as follows:— *22 121*  
*4/10*

(a) On the last day of the weapon training year as fixed by G. Os. C.

(b) Just before a unit quits a station.

All practice S. A. A. which is unexpended at the close of the Weapon Training year will be surrendered. Practice S. A. A. which becomes surplus during the Weapon Training year will be expended by unit commanders in further training or re-allotted to other units by G. Os. C.-in-C. commands, and district and brigade commanders. The authority for such re-allotment will be attached to the proceedings of the board in which the expenditure is accounted for to the C. M. A.

Interchange of practice S. A. A. between the regular army A. F. I., and I. T. F. is permissible.

This extra ammunition is not to be demanded separately from arsenals, but will be taken from the ammunition held on charge for practice purposes in accordance with the Equipment Regulations, Part 2, of the unit concerned and replaced in the ordinary way similarly to the annual allowance of practice ammunition, i.e., in exchange for an equivalent number of fired cases or to replace losses written off under the sanction of competent financial authority.

214. The annual test of cartridge signal and illuminating will be carried out in arsenals and ordnance depots during July. Demands for the annual practice allowance of these cartridges, therefore, will be submitted by units on 1st of August.

Units holding cartridges signal and illuminating as mobilization equipment will exchange them annually on receipt of their annual allowance, expending those withdrawn from mobilization equipment on practice.

Where exchange with practice ammunition cannot be carried out (as in the case of post stores) action will be taken in accordance with paragraph 294, the exchange of cartridges being carried out by C. O. Os., after the annual test of arsenal stocks.

215. When S. A. A. is found to be defective, the place and date of manufacture marked on the box are to be noted. The rounds complained of, together with their wrappers, charger cases or bandoliers, as the case may be, and the arms with which the failure occurred, will be examined locally. If confirmed, a report will be made as laid down in paragraph 229.

In the case of hangfires or bursts, by which latter term is meant a rupture of the metal in the body of the case and not a split at the mouth which is of no importance, no action need be taken unless more than one per cent. of these defects occur. On receipt in arsenals the ammunition will be tested as laid down in R. A. O. S., Part II, Pamphlet No. 6.

216. Defective S. A. A. will invariably be replaced before being returned to ordnance charge.

217. The scale of signal pistols and cartridges is laid down in Appendix 2.

218. The scale of grenade equipment is laid down in Appendix 3.

### SECTION XV.—DUTIES OF ARMOURERS.

219. The duties of armourers are laid down in "Instructions for Armourers (India)" and Appendix ~~28A~~ 29

220. A list of repairs which regimental armourers should be able to carry out and also those which should not be attempted regimentally is given in Appendix 29. It is the duty of an armourer not merely to carry out any particular repair to a small arm, machine gun, mounting or bicycle for which it may have been sent to him, but to ensure that the article is serviceable in every respect before it leaves his hands.

He will also undertake, if within his capabilities, trifling repairs to other equipment in the unit.

221. For the tools and materials comprising a set of armourers' tools (except artillery units) and the conditions under which issued and replaced, see Appendix 9, Table 1. *~~~~~*

222. Armament artificers are authorised to carry out minor repair to small arms of that unit. Armourers' tools and materials, according to the scales shown in Appendix 9, Table 2, are authorised for the purpose of enabling battery fitters of the R. H. A. and brigade fitters of other artillery to clean rusty or corroded rifle barrels and chambers, to remove nickel fouling and broken or jammed pull-throughs from barrels and to examine bolts and striker points for serviceability.

223. In each British cavalry or infantry regiment the armourer-serjeant will train four non-commissioned officers or men per squadron or company. A soldier who has qualified at an arsenal will be appointed assistant armourer.

C 2122  
7/40

No. 122 of July 1940.

Page 68—Paragraph 221—

In line 3 convert "fullstop" into a "comma" and add at the end—  
"and Appendix 9-A"

CA-167  
9/41

Case No. 3267/M. G. 3.  
D. F. A. (O.) u/o No. 92-A/O.-2 of 1940.  
D. D. Regr. No. 5611/C. R. S. of 1940.

Amendment to E. Rs. (I.), Part I, Reprint 1939.

No. 172 of November 1941.

Page 68 (Page 74 of the 1941 reprint)—

Paragraph 219, in line 2, for "Appendix 39-A" read "Appendix 29".

Case No. 31445/M. G. 2.

D. F. A. (O.) u/o No. 5892/O.-3 of 1941.

Amendment to E. Rs. (I.), Part I, Reprint 1939 and 1941.

No. 167 of September 1941.

Page 68 (Page 75 of the 1941 Reprint)—

Paragraph 221 is reconstructed as follows:—

221. For the tools and materials comprising a set of armourers' tools (including artillery units) and the conditions under which issued and replaced, see Appendix 9, Tables 1 and 2.

Case No. 3267/M. G. 9-A.

D. F. A. (O.-2) u/o No. 1982/O.-3 of 1941.

D. D. Regr. No. 7/C. R. S. of 1941.

Amendment to E. Rs. (I.), Part I, Reprint, 1939 and 1941.

No. 100 of January 1940.

Page 69—

Paragraph 226 (Section XV)—For “D. O. S. A. Hqrs.” read “Officer-in-Charge I. A. O. C. Records, Jubbulpore”.

Case No. 26783/M. G.-8.

D. F. A. (O.) u/o No. 10366/R. P. of 1939.

D. D. Regr. No. 11307/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, Reprint, 1939.

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In an Indian cavalry or infantry regiment, the head armourer is designated armourer dafadar (havildar). He will hold a certificate as a first class armourer and will train four non-commissioned officers or men per company (including training battalions).

As soon as it is known that a trained man is about to become non-effective, the armourer serjeant or the armourer dafadar (havildar), as the case may be, will train another man to take his place.

For the syllabus of training covering a period of three months, see "Instructions for armourers (India)".

The C. C. M. A. at his inspection will report on men undergoing training in armourers' duties under regimental armourers.

224. Application to send men to an arsenal should be made in memo. form. B. O. Rs. selected should have undergone a course of instruction under the armourer-serjeant and be chosen for their aptitude for the work. Men with knowledge of a trade such as blacksmith, turner, etc., are preferred. I. O. Rs. should be selected for their intelligence. They should also be able to read and write in the vernacular, and have undergone a course of instruction under the regimental armourer.

225. When an armourer hands over charge, a regimental board will assess the amount to be paid by him to make good any loss, injury, or deterioration of the appliances, and tools not due to fair wear and tear or expended in the repair of service arms. In the case of decease it will be recovered from his estate.

226. A reserve of armourer-serjeants is maintained in India and employed in arsenals. When a unit commander requires an armourer-serjeant, he will apply direct to the (D. O. S., A. Hqrs.) — 2/100

227. Regimental armourers and authorised enrolled men only will be employed in armourers' shops. Outside labour is forbidden. 1/40

### SECTION XVI.—PERIOD OF WEAR.

228. The following table shows the periods of wear of various articles of equipment:—

*Table showing periods of wear of articles of equipment.*

Description of Stores.	Period of wear.	REMARKS.
	Years.	
<i>Section A-1.</i>		
Aprons—		
Bass drum, brown, leg brown . . . . .	5	
Bandoliers—		
90 rounds or 50 rounds . . . . .	6	
70 rounds . . . . .	5	



Table showing periods of wear of articles of equipment—contd.

Description of Stores.	Period of wear.	REMARKS.
Years.		
<i>Section A-1—contd.</i>		
Belts—		
Shoulder, brown, P. A. . . . .	7	
Waist—		
B. E., leather . . . . .	6	
Black (or brown), I. O. . . . .	10	
Buff, M. S. . . . .	8	
W. E. . . . .	4	
Bottles, water . . . . .	5	
Braces, with buckle . . . . .	4	
Bugles . . . . .	6	
Caps, hand, axe, farriers . . . . .	5	
Carriages—		
Colour brown . . . . .	7	
Drum . . . . .	7	(bass or side).
Carriers—		
Cartridge . . . . .	3	(75 rds. or 60 rds.).
Great-coat, I. P. . . . .	5	
Water-bottle, W. E. . . . .	3	
Cases—		
Drum . . . . .	6	(bass or side).
Pistol, Webley . . . . .	7	(with leather loop or brass hooks).
Chapes, waist belt . . . . .	4	
Covers, mess-tin, I. P. . . . .	4	
Drums—		
Bass, sticks . . . . .	10	
Side—		
Heads . . . . .	2	
Sticks . . . . .	10	(or bass).
Sticks . . . . .	10	
Side, G. S. or bass . . . . .	10	
Flutes . . . . .	6	
Frogs—		
Brown, bayonet . . . . .	7	
Web bayonet . . . . .	3	
Haversacks, W. E. . . . .	6	
Knots, sword—		
Brown . . . . .	6	
Buff . . . . .	6	(B. G. or M. S.)
Lanyards, pistol . . . . .	3	
Packs, W. E. . . . .	6	
Piccolos . . . . .	6	
Pouches, ammunition—		
Pistol, Webley . . . . .	7	(With leather loop or brass hooks).
Pouches, magazine, Lewis gun . . . . .	4	
Slings, rifle . . . . .	3	

Table showing periods of wear of articles of equipment—contd.

Description of Stores.	Period of wear.	REMARKS.
<i>Section A-1—concl'd.</i>		
Straps—	Years.	
Brown—		
Great-coat and mess-tin, M. S.	6	
Web supporting	5	
Strings, bugle and trumpet	2	
Tins, mess.	3	(M. S. or D. S.).
Trumpets	6	
Whistles	12	(Artillery or Infantry).
<i>Section B-1.</i>		
Bayonets	12	Scabbards 8 years.
Bottles, oil	8	
Pullthroughs—		
Cord and gauze	$\frac{1}{8}$	
Weights	8	
Rifles, No. 1	12	
<i>Section B-2.</i>		
Dirks	12	Scabbards 8 years.
Lances, flags	2	
Pistols, revolver, No. 1	12	
Protectors, hammer	5	
Rods, cleaning	15	
Swords and scabbards	12	Scabbards, P. A. 5 years only.
<i>Section B-3.</i>		
Actions, skeleton	12	
Aim-correctors	5	
Bellows, armourers	5	
Braces, armourers, bits	10	
Chests, S. A.—		
Nos. 1, 8 and special	8	
No. 12	10	
Clams, armourers	1	
Implements, action, No. 1	10	
Rifles, No. 1, D. P.	12	
Screwdrivers, armourers—		
Large	6	
Small	3	
Stones, oil, armourers	7	
Tools—		
Armourers, sets	18	
Bore—		
Bits	5	
Bushes and rods	10	
Sight, line	10	
Troughs, scalding, I. P.	16	

Table showing periods of wear of articles of equipment—contd.

Description of Stores.	Period of wear.	REMARKS.
	Years.	
Section B-4.		
Bayonets, M. H. . . . .	13	Scabbards years.
Jags, M. H. . . . .	10	
Lances, body-guard . . . . .	10	
Muskets, .476 bore . . . . .	12	
Rifles, S. L. . . . .	12	
Section C-2.		
Bicycles . . . . .	6	
Section D-1.		
Bags—		
Intrenching tools, I. P. . . . .	5	
Nose . . . . .	2	
Bits—		
Bridoon . . . . .	12	
Portmouth—		
B. G. . . . .	12	
Heads, bridle, S. U. . . . .	5	
Reversible, S. U. . . . .	12	
Blankets, saddle . . . . .	3	
Breast-plates—		
B. G., I. P. and S. U. . . . .	6	
Breechings—		
H. P. D., I. P., P. A., I. P. and P. S., I. P. . . . .	6	
P. G. S. . . . .	5	
Bridles—		
Cord breaking, and mouthing bits . . . . .	12	
Mouthing heads bridle, and reins . . . . .	6	
Snaffle, I. P. bits, heads bridle and reins . . . . .	6	
Watering reins . . . . .	1	
Brushes—		
Harness, hard, and horse . . . . .	1	
Buckets—		
Lance . . . . .	6	
Rifle and signalling flag . . . . .	5	
Caps, knee horse . . . . .	12	
Cases—		
Breech mechanism . . . . .	7	
Horse shoe, S. O. and S. U., I. P. . . . .	6	
Pioneer equipment, P. C. . . . .	5	
Cavisions . . . . .	6	
Chains, collar, S. O. . . . .	10	
Clippers, horse and mule . . . . .	1	

Table showing periods of wear of articles of equipment—contd.

Description of Stores.	Period of wear.	REMARKS.
Section D-1—contd.		Years.
Collars—		
Breast—		
H. P. D. . . . .	5	
P. A., I. P., P. C., I. P. and P. G. S. . . . .	6	
Head—		
P. A., I. P. . . . .	7	
P. G. S., I. P. . . . .	4	
S. O. . . . .	5	
S. U. . . . .	4	
Headstall, S., camel . . . . .	2	
Combs, curry . . . . .	1	
Crosstrees, automatic . . . . .	10	
Cruppers—		
Breaking . . . . .	12	
B. G., P. A., I. P. and P. G. S. . . . .	6	
S. O. and S. U. . . . .	6	
Fringes, eye, P. A. . . . .	1	
Girths—		
Breaking . . . . .	12	
P. A., I. P. and P. G. S. . . . .	5	
S. O. . . . .	2	
S. U. and sowar, B. G. . . . .	5	
S. camel . . . . .	4	
Heads, bridle, S. O. . . . .	5	
Headstalls, G. S. . . . .	2	
Hobbles . . . . .	12	
Leathers, stirrup, S. U. . . . .	4	
Leggings, drivers . . . . .	7	
Machines, horse clipping . . . . .	4	
Martingales—		
Running and standing . . . . .	3	
Neckpieces, pole bar . . . . .	6	
Numnahs, sowar, B. G. . . . .	3	
Pads—		
Collar . . . . .	3	
Driving, breaking and vaulting . . . . .	12	
Girth, P. A., I. P. . . . .	6	
Roller, G. S. . . . .	2	
Pannels—		
P. A., I. P., P. C., I. P. and S. U., I. P. . . . .	6	
Pickers, hoof, I. P. . . . .	5	
Pieces, buckling, martingale . . . . .	6	
Racks, intrenching tools, I. P. . . . .	5	
Reins—		
Bearing, breaking and cord driving and breaking . . . . .	3	
Bit, S. O. . . . .	5	
Bit, S. U. . . . .	4	
Driving long and leading, P. A., I. P. . . . .	5	
Rubber and running riding . . . . .	12	
S., camel . . . . .	1	
Web, driving, breaking, I. P. . . . .	12	
Rings, reins, driving . . . . .	3	
Rollers, G. S. . . . .	2	

Table showing periods of wear of articles of equipment—contd.

Description of Stores.	Period of wear.	REMARKS.
<i>Section D-1—concl'd.</i>	Years.	
Saddles—		
P. A., P. A. D., and P. G. S., I. P.	10	
Ridings, S. camel	12	
S. O. and S. U.	10	
Scissors, trimming	3	
Slings, horse, V. H.	2	
Sponges	1	
Stirrups, steel	16	
Straps—		
Baggage, P. A., I. P.	5	
Baggage	6	
Cloak and wallet, S. O. and collar, chain, S. O.	5	
Collar, pad and crupper, P. A., I. P.	5	
Girth, P. A. and P. G. S.	5	
Hip, long, wheel and kicking, H. P. D.	5	
Lance, bucket, B. G.	6	
Loin lead and lashing, P. A., I. P.	5	
Neck, I. P.	3	
Neck, martingale	6	
S. U.	6	
Throwing	12	
Wheels, P. A., I. P.	6	
Surcingles—		
B. G.	6	
S. O. and S. U.	5	
Traces, wire and tugs, neck-piece	6	
Wallets—		
S. O.	5	
S. U.	6	
Whips—		
Drivers and driving and longeing	5	
Drivers, I. P.	2	
<i>Section D-2.</i>		
Valises, horse shoe	5	
<i>Section E-1.</i>		
Brushes, water carriage	1	
Covers, rifle	5	
Felloes, poles, draught and spokes	7	
<i>Section E-3.</i>		
Hand spikes	2	
Jacks, lifting	10	
Tackles, luff, blocks	10	
Targets, dummy, marking	2	
		Cordage 5 years.



Page 74—

In the nomenclature “ Straps, girth, P. A. and P. G. S. ” *delete* the words “ P. A. and ”.

*Insert* new item :—

“ Straps—

Girth, P. A. . . . . I 3 1 ”

Case No. 35266/M. G. 9-C.

D. F. A. (O.) u/o No. 9521/R. P. of 1939,

D. D. Regr. No. 10605/C. R. S. of 1939,

Amendment to E. Rs. (I.), Part I, Reprint, 1939.



Table showing periods of wear of articles of equipment—contd.

Description of Stores.	Period of wear.	REMARKS.
<i>Section F.</i>	Years.	
Adzes, Indian	7	
Anvils	20	
Aprons, canvas or leather	$\frac{1}{2}$	
Augers (and handles)	4	
Awls, blades—		
Brad, harness and pannel	3	
Buckling, drawing and garnishing	4	
Awls, handles—		
Drawing, harness and pannel	$\frac{1}{2}$	
Axes, hand, 3-lb.	5	
Bags, tool	5	
Bellows, braziers, smiths	4	
Bevels, steel, blade, slotted	10	
Blocks, anvil	10	
Bones, rubbing	4	
Braces, carpenters and bits	4	
Braces, ratchet	10	
12-in. drills	4	
9-in. drills	2	
Braces, smiths, bits and rimers	6	
Brushes, sable, writing duck, sash and paint oval	1	
Buffers, farriers	12	
Callipers	20	
Cans, oil, lubricating	4	
Cases, shoeing tools	5	
Cases, saw	5	
Chests, tool, filled	20	
Chisels—		
Coachmakers, cold, cross-cut and engraving	4	
Farriers, handled	6	
Rivet head, ripping and smiths	4	
Clams, saddlers	8	
Claws, nail	5	
Compasses, wing	10	
Cramps—		
Carpenters	12	
Fitters	10	
Creases, double and single	8	
Crowbars	10	
Cutters, anvil—		
Flat	2	
Half round	$\frac{1}{2}$	
Diamonds, glaziers and dividers spring	10	
Drifts, brass and steel	3	
Drills—		
Stock	10	
Twist	2	
Files (all sorts) and handles	2	
Flatters	3	
Forges, field	10	
Fullers, smiths	3	
Gauges, carpenters	5	
Gimlets, twist	3	
Gouges, handled firmer	3	

Table showing periods of wear of articles of equipment—contd.

Description of Stores.	Period of wear.	REMARKS.
<i>Section F—contd.</i>	Years.	
Grindstones—	7	
F. S.	4	
Stones, 24-in. and 30-in.	5	
Troughs	5	
Groovers		
Hammers—	10	
Claw	5	
Boiler-makers, riveting, ball pane	5	
Copper, engineers ball pane and masons	5	
Farriers and saddlers	4	
Sledge, straight pane, 7-lb.	5	
Sledge, straight pane, 10-lb.	5	
Smiths, hand	2	
Handles.	5	
Holdalls.	3	
Holders, file and rivet head		
Irons—	2	Figures and letters.
Branding		
Bricking	6	
Soldering straight—	10	
1½-lb.	5	
2½-lb.		
Knives—	2	
Drawing	6	
Gauge	3	
Half-round and head	5	
Laboratory	1	
Searching	2	
Trimming	10	
Lamps, brazing	20	
Lathes, engineers, foot, 5-in. centre	10	
Lead, punching saddlers	10	
Levels, spirit, adjustable and block	2	
Mallets	10	
Marline spikes	5	
Nailpullers		
codles—	5	
Collar half-moon and packing	3	
Darning.	1	
Harness	2	
Saddlers and sail-makers.	5	
Nippers	6	
Oilstones	5	
Palms, saddlers and sailmakers	1	
Pencils, carpenters		
Pincers—	5	
Carpenters	4	
Farriers and saddlers	7	
Planes		

No. 108 of March 1940.

*Page 77—*

*Under “ Punches ”, for “ Leather and steel ”, substitute “ Leather ”.*

*Insert—*

“ Punches—

Steel . . . . . I 8 I ”

Case No. 23111/M. G. 9-C.

D. F. A. (O.) u/o No. 11958/R. P. of 1939.

D. D. Regr. No. 591/C. R. S. of 1939.

Amendment to E. R. s. (I.), Part I, Reprint, 1939.

Table showing periods of wear of articles of equipment—contd.

Description of Stores.	Period of wear.	REMARKS.
Section F—contd.		
Plates—	Years.	
Screw, B. A. thread		
Surface	6	
Stencil	10	
Pliers—	12	
Eyelet		
Flat and round nose	10	
Side-cutting	7	
Pots, glue	3	
Pritchels	10	
Punches—	10	
Carpenters, pin, round and tinmans		
Leather and steel	5	
Smiths	2	
Spring	6	
Rasps, farriers, 16-in.	10	
Rasps, 9-in.	$\frac{1}{2}$	
Rimers—	1	
$\frac{1}{4}$ , $\frac{3}{16}$ , $\frac{1}{2}$ and $\frac{5}{16}$ "		
$\frac{3}{8}$ , $\frac{1}{2}$ , $\frac{5}{8}$ and $\frac{3}{4}$ "	1	
Wrenches	2	
Rods, smiths	6	
Rules—	4	
Box-wood		
Brass and steel	4	
Saws—	10	
Compass, frame, hack and hand		
Tenon	3	
Scissors, 8-in. and $9\frac{1}{2}$ -in.	4	
Screwdrivers—	5	
A. A. and G. S. and London		
Watchmakers	12	
Scribers	2	
Sets, saw	6	
Shaves	3	
Shears	2	
Snips	1	
Spanners, adjustable and double ended	3	
Spokeshaves	10	
Squares—	3	
Box, fitters and smiths		
Carpenters	10	
Stamps—	5	
Farriers		
Steel	1	
Steel, for wood	12	
Stones—	12	
Rag and rag farriers		
Sharpening	2	
Straight-edges, steel	3	
Thimbles, tailor	10	
	6	

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Cutters 3 years.

Parallel and taper.

Figures, letters and  $\frac{1}{2}$ " lines  
Dash lines figures and letters.

Table showing periods of wear of articles of equipment—contd.

Description of Stores.	Period of wear.	REMARKS.
	Years.	
<i>Section F—concl'd.</i>		
Tongs—		
Farriers, fire and turning medium . . . . .	4	
Farriers, turning, large and medium and smiths .	6	
Wheelers fitters . . . . .	4	
Tools—		
Edge . . . . .	3	
Set . . . . .	10	
Tools, screwcutting bolt and nut—		
B. A. field, Mk. I—		
Chest, empty . . . . .	10	
Plates, taps and wrenches . . . . .	6	
Mk. III—		
Chest (empty or filled) . . . . .	10	
Dies, spanners, stocks, taps and wrenches .	6	
Valises, tool . . . . .	5	
Vices . . . . .	10	
Wheels, travelling . . . . .	6	
<i>Section G-1.</i>		
Padlocks—		
Brass and iron . . . . .	5	
I. G. . . . .	6	
<i>Section H-2.</i>		
Cordage . . . . .	5	
Line, hemp and lines, hambro . . . . .	3	
Skins, chamois, leather . . . . .	1	
<i>Section J-(i).</i>		
Axes—		
Felling . . . . .	7	
Cases . . . . .	6	
Hand . . . . .	7	
Pick, heads . . . . .	8	
Bags, charcoal, P. A. . . . .	7	
Bags, half wroughts . . . . .	7	
Cases, hand axe and bill hook . . . . .	6	
Cloths, feeding . . . . .	1	
Colours, camp, I. P.—		
Flags, or poles . . . . .	2	
Covers, waterproof . . . . .	3	
Dahs . . . . .	10	
Scabbards . . . . .	3	
Flags, I. P.—		
Bannerol . . . . .	2	
Poles . . . . .	7	
Hammers, peg, picketing, I. P. . . . .	4	
Helves, pickaxe . . . . .	4	

Table showing periods of wear of articles of equipment—contd.

Description of Stores.	Period of wear.	REMARKS.
<i>Section J-(i)—concl'd.</i>		Years.
Hooks—		
Bill (or switching)	7	
Kettles, camp	2	
Marmoties	6	
Helves	4	
Cases	6	
Mauls—		
Heads	4	
Nets, hay	3	
Pegs, picketing	1	
Ropes—		
Head or heel	$\frac{1}{2}$	
Picketing	2	
With toggles	7	
Shackles, I. P.	1	
Shovels and spades	10	
Sickles	1	
Wedges, sawyers	10	
<i>Section J-(ii).</i>		
Tents, I. P.—		
Complete	7	
160-lbs. poles—		
Ridge	8	
Standing	8	
80-lbs. poles ridge	8	
Mallets	1	
Pins—		
Iron	3	
Wood	1	
Privates, racks arms	7	
<i>Section K.</i>		
Bags, straining coffee	$\frac{1}{2}$	
Barrows, wheel, I. P.	5	
Baskets	$\frac{1}{4}$	
Boxes, clothing	10	
Brooms	$\frac{1}{4}$	
Cases, bolster, mattress, pillow and slip	3	
Cats, punishment	5	
Chests, treasure	10	
Cloths	1	
Flags—		
Musketry instructions, poles	7	
Union	$\frac{1}{2}$	
Gloves and jackets, fencing.	12	
Masks, bayonet fencing and fencing	12	
Rests, tripod	6	
Rulers, 3-ft.	20	
Standards, measuring height, horse	5	

Also for 80-lb. tents.



Table showing periods of wear of articles of equipment—contd.

Description of Stores.	Period of wear.	REMARKS.
	Years.	
<i>Section L.</i>		
Balances, spring . . . . .	7	
Basins, washing, aluminium . . . . .	4	
Bells, Mk. I . . . . .	5	
Mallets . . . . .	1	
Triangles . . . . .	7	
Cans, oil, feeding . . . . .	10	
Chains, measuring . . . . .	10	
Gridirons . . . . .	2	
Handcuffs, common . . . . .	16	
Hoes and handles . . . . .	2	
Implements, butchers—		
Choppers, meat . . . . .	2	
Steel . . . . .	7	
Kettles . . . . .	5	
Knives . . . . .	1	
Ladles . . . . .	2	
Lanterns—		
Bullseye, I. P. . . . .	5	
Hurricane . . . . .	1	
Manacles, leg . . . . .	16	
Pails, 3½-galls. . . . .	7	
Pots, watering . . . . .	6	
Rakes, garden . . . . .	2	
Scales, weighing other than scales, weighing, I. B..	2	
Scales, weighing, I. B. . . . .	5	
Scissors . . . . .	4	
Stones, rub, scythe . . . . .	5	
Tubs, I. G. . . . .	5	
<i>Section Q-2.</i>		
Implements, ammunition . . . . .	3	
<i>Section T-2.</i>		
Cases—		
Guncotton . . . . .	5	
Powder, metal lined, keys . . . . .	7	
Cylinders, guncotton . . . . .	5	
Rectifiers, guncotton, primers . . . . .	3	
<i>Section V-1.</i>		
Binoculars . . . . .	7	
Cases—		
Clinometer, director, plotter and stand . . . . .	7	
Mekometers, G. S.—		
Cords . . . . .	2	
Instruments . . . . .	10	
Plotters, field . . . . .	5	
Posts, aiming . . . . .	2	
Sights, B. L., telescopic . . . . .	5	
Sights, dial, No. 7 (and components) . . . . .	5	
Stands—		
Director, F. A. telescope and telescope . . . . .	10	
Tools, No. 7 dial sight . . . . .	5	

Table showing periods of wear of articles of equipment—contd.

Description of Stores.	Period of wear.	REMARKS.
	Years.	
Section V-2.		
Barometers, aneroid, and thermometers, survey . . . . .	10	
Compasses—		
Magnetic and prismatic . . . . .	10	
Instrument, drawing . . . . .	10	
Tapes, measuring—		
Metallic woven and steel . . . . .	5	
Watches, stop . . . . .	5	
Watches, G. S. . . . .	10	
Section W-1.		
Picks, miners, heads . . . . .	8	Helves 4 years.
Sandbags . . . . .	1	
Section Y.		
Cans, oil, 1-gall. . . . .	7	
Cases, message book . . . . .	7	
Flags, signal army . . . . .	2	
Megaphones . . . . .	4	
Section 14.		
Straps, securing. . . . .	5	
Spanners . . . . .	7	
Yakdams, stationery . . . . .	1	
Section 16-A.		
Caps, joint breech or chase . . . . .	7	
Section 17-A.		
Gauges, striker, protrusion . . . . .	10	
Section 17-B.		
Drifts . . . . .	7	
Lanyards, firing . . . . .	5	
Wrenches, B. M.—		
No. 77 . . . . .	7	
No. 90 . . . . .	10	
Section 18-A.		
Rimers, vent . . . . .	7	
Section 18-B.		
Bits, vent . . . . .	7	
Spikes, gun, common . . . . .	10	

Table showing periods of wear of articles of equipment—concl.

Description of Stores.	Period of wear.	REMARKS.
<i>Section 19.</i>		Years.
Boxes, lamp, siege . . . . .	7	
Brushes . . . . .	2	
Brushes, piasaba . . . . .	5	
Caps, sponge . . . . .	1	
Cases, No. 8-A or 17 cleaners . . . . .	5	
Cleaners, piasaba and wool . . . . .	2	
Covers—		
Breech or muzzle . . . . .	5	
Lamps, siege . . . . .	7	
Ropes, drag . . . . .	4	
<i>Section 20.</i>		
Felloes and spokes . . . . .	7	
Targets, artillery . . . . .	5	
<i>Section 22.</i>		
Pins, powder, puff . . . . .	10	
<i>Section 23.</i>		
Cartridges, drill, B. L. . . . .	2	
<i>Section 26.</i>		
Lanyards, firing . . . . .	2	

The periods of duration laid down in the preceding table are not intended in any way to govern the time for exchanging the stores.

Should it appear that articles are becoming unserviceable before they have been in use for the prescribed periods, enquiry should be made into the cause thereof. In the absence of sufficient reason to explain the premature unserviceability of stores the troops are liable to be charged.

#### SECTION XVII.—COMPLAINTS AND PROPOSALS CONCERNING STORES.

229. Reports on defects or failures of ordnance stores will be made on the following forms:—

I. A. F. O-1442-A, for ammunition except bombs and grenades.

I. A. F. O-1442-B, for ordnance.

I. A. F. O-1442-C, for carriages and vehicles.

I. A. F. O-1442-D, for general equipment and clothing.

I. A. F. O-1442-E, for bombs and grenades.

I. A. F. O-1443, for small arms and machine guns.

I. A. F. O-1453, for small arms or machine gun ammunition.

Paragraphs 232 and 233 are reconstructed as follows :—

232. Proposals on alterations to scales, changes in design and introduction of new items will be made to Headquarters Army/Command through usual channels, except in the case of proposals regarding technical engineer equipment, which will be submitted by Chief Engineer Armies and Commands and Commandants Sapper and Miner Groups, I. E. to the Engineer-in-Chief or by Transportation Organization/Units to the Transportation Directorate Q. M. G.'s Branch, General Headquarters, and changes in scale in respect of I. A. O. C. Training Centres, which will be submitted direct to the M. G. O. in India.

On receipt by Headquarters Army/Command of recommendations for alteration to scales, changes in design of Ordnance equipment not generally applicable to all Units, they will be considered by the branch responsible for the particular arm of the Service concerned. Where a suggested alteration is applicable to all Units, the recommendation will be considered by General Staff Branch.

After investigation, the channel of submission to General Headquarters will be as follows :—

Equipment.	Submitted by.	Submitted to.
(a) Changes applicable to all Units.	G. S. Army/Command	C. G. S.
(b) Changes applicable to particular Units.	Branch responsible for the Arm of the Service.	Branch responsible for the Arm of the Service.
Clothing.	Submitted by.	Submitted to.
(a) Changes applicable to all types of Units.	G. S. Army/Command.	M. G. O.-in-India.
(b) Changes applicable to particular Units.	Branch responsible for the Arm of the Service.	M. G. O.-in-India.

All proposals will be submitted as coming from the Army Commander and not from the Head of the particular Service at Headquarters Army/Command.

232-A. (No change).

233. Proposals regarding policy questions (e.g. scale and design) affecting the War efficiency of the Units concerned will be submitted through the same channels as in paragraph 232 above, except that in the case of proposals under (b), a copy will be endorsed to the C. G. S.

No. 162 of August 1941.

*Page 83 (Page 89 of the 1941 reprint)—*

Para. 230 is *reconstructed* as follows :—

230. “ Reports will be made on the forms prescribed in para. 229 to the authorities noted thereon, as soon as defects or failures occur.”

Case No. 833/M. G. 7-A.

D. F. A. (O.) u/o No. 475/O-3 of 1941.

D. D. Regr. No. 11038/C. R. S. of 1941.

Amendment to E. Rs. (I.), Part I, Reprint 1939 *and* 1941.

Page 83—

Paragraph 232—

Line 6, delete from “ and Maintenance Group Units (M. T.).....”  
to end of sub-paragraph.

Line 11—

For “ School of Instruction ” substitute “ Training Centre ”.

After “ will ” insert “ however ”.

Insert as a new sub-paragraph :—

“ Proposals concerning changes in the scale of stores for ordnance units  
and establishments will be submitted through Headquarters Com-  
mands/Independent District to the M. G. O. in India.”

Case No. 31611/10/M. G. 7-A.  
M. F. Dy. No. 5944/R. P. of 1939.  
D. D. Regr. No. 7797/C. R. S. of 1939.



*Insert* the following as new paragraph 232-A :—

“Whenever a project estimate for new accommodation is administratively approved, the local M. E. S. authorities will furnish the D. A. D. O. S. of the district concerned with details of accommodation requiring initial issues of articles of I. A. O. C. supply in the following financial year. The latter will prepare lists of such articles and forward them, through Command Headquarters, to the M. G. O. in India so as to reach him before October the 1st each year.

Separate lists will be submitted in connection with each project and each list will be headed by a reference to the particular project concerned.

The project estimates themselves need contain no reference to stores of I. A. O. C. supply.”

Case No. 30213/M. G. 9-B.

D. F. A. (O.) u/o No. 2584/R. P. of 1939.

D. D. Regr. No. 5077/C. R. S. of 1939.

The instructions laid down in the above quoted forms will be observed.

230. Reports will be made as soon as defects or failures occur to the C. O. O. who will forward them to brigade or district headquarters together with the result of his own investigation into the matter and, when desirable, the remarks of the technical expert. c 2162  
8/41

231. The defective or broken stores reported under para. 229 will be retained until orders are received for their disposal. In the case of artillery units a list of reports rendered during the year will be inserted in Part II of the practice report with the number and date of the forms submitted.

232. Proposals on alterations to scales or patterns and introduction of new items will be made direct to the brigade or district headquarters, except in the case of proposals regarding technical engineer equipment which will be submitted by the commandants of the Corps of Sappers and Miners direct to the Engineer-in-Chief, A. Hqrs. and Maintenance Group Units (M. T.) which will submit proposals, through the C. M. A. concerned, to the D. D. T. (M), Maintenance Group (M. T.), Chaklala, who, if he agrees, will forward them, with his recommendations, to the D. S. & T., A. Hqrs. c 2192  
10/42  
c 268  
10/39

Proposals concerning changes in scales in respect of equipment in charge of the I. A. O. C. School of Instruction, Jubbulpore, will be submitted direct to the Master General of the Ordnance in India, Army Headquarters. c 215  
7/39

233. Proposals regarding policy questions (e.g., scale and design) affecting the war efficiency of the units concerned, will be submitted through the General Staff of commands to the M. G. O. and a copy endorsed to the Chief of the General Staff. Proposals regarding technical questions will be submitted through the command to the M. G. O.

234. When provision of funds is involved, the proposals should be supported by the financial effect as verified by the C. M. A. except in the case of technical engineer equipment.

234-A. Complaints from Indian States Forces and other units not administered by the Defence Department, regarding quality or valuation made of stores issued, or delay in receipt of credit for stores returned, will be addressed by Os. C. units direct to the C. O. O. or O. O. of the arsenal or depot concerned in the first instance.

Should a difference of opinion arise or a satisfactory settlement not be obtained, the matter will be reported by the O. C. unit to :—

- (a) The Military Adviser in the case of Indian States Forces,
- (b) The Inspector General of Police in the case of police units,

Insert the following as paragraph 235-A :—

“ *Stores issued for experimental purposes.*—All stores for trial, whether specially manufactured or purchased from the trade, will be inspected and passed by Inspectors prior to issue. They will be issued by Inspectors direct to units, the following procedure being followed :—

- (a) Stores will be issued on “ Regular ” vouchers.
- (b) Vouchers will be endorsed “ Stores for trial (experiments and tests)” and the authority quoted.
- (c) A register will be maintained and return of stores watched.
- (d) The Inspector may, if it is considered necessary, authorise the factory or the purchasing Agent Inspector to issue such stores direct to the unit or units carrying out the trial. In such cases factories or the purchasing Agent Inspector will send “ Nominal ” vouchers to the unit or units and “ Regular ” vouchers to the Inspector concerned.
- (e) On the conclusion of the trial, stores will be disposed of by units in accordance with the instructions contained in the Trial Programme or received from the Inspector responsible for the trial.
- (f) Instructions in paragraph 235 regarding marking, labelling, issue and disposal of experimental equipment will be observed.

Case No. 25413/41/M. G. 7-A.

D. F. A. (O.) Dy. No. 8193/O-2 of 1940.

D. D. C. R. S. No. 9075 of 1940.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).

Paragraph 236, last line, delete “ unit or ”.

Case No. 21239/M. G. 7-A.

D. F. A. (O.) u/o No. 410/R. P. of 1939.

D. D. Regr. No. 5077/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).

Page 85, paragraph 240—

This paragraph is *reconstructed* as follows:—

“Whenever any damage to or deficiency in arms or their component parts is shown as chargeable to the State, full reasons will be given by the C. C. M. A. When the opinion of the C. C. M. A. is that such damage or deficiency is not due to fair wear and tear, a loss statement will be prepared by the unit in accordance with the rules in Financial Regulations, India, Part I, governing damage and deficiencies. If the unit Commander agrees with the opinion of the C. C. M. A., the name or names of the individual or individuals from whom he recommends that recovery be effected, and the amount to be recovered from each, will be shewn on the loss statement.

If the unit commander does not agree with the opinion of the C. C. M. A., he will record his opinion on the loss statement when submitting it to the Competent Financial authority who will obtain any expert advice required from the I. S. A. When audit of unit accounts takes place the unit will produce I. A. F. O. 2263-H. for scrutiny by the Local Audit Officer.”

Case No. 21239/M. G. 7-A.

D. F. A. (O.) u/o No. 410/R. P. of 1939.

D. D. Regr. No. 5077/C. R. S. of 1939.

(c) The Local Government or the Political officer concerned in the case of Frontier Corps, Local Corps, and Levies, etc.,

who will communicate with the headquarters of the command concerned who will decide the matter in consultation with the C. M. A., where necessary.

Any question of general application involving a change in procedure will be reported to the M. G. O., A. Hqrs.

### SECTION XVIII.—EXPERIMENTAL EQUIPMENT.

235. To avoid experimental equipment being mixed with consignments of service equipment, and to enable consignees easily to identify such equipment as experimental, the following special instructions will be observed by all concerned :—

(i) Each article before despatch to be plainly labelled or stencilled—

(a) Experimental.

(b) With the number of voucher under which issued.

(c) With the authority for despatch.

(ii) Each voucher to be enfaced—

(a) Experimental equipment.

(b) With the authority for despatch.

(iii) A separate memo. to be sent to the consignee, stating :—

(a) Nature and quantity of articles.

(b) Purpose.

(c) Number of voucher.

(d) Authority for despatch.

(iv) Experimental equipment will be packed and despatched separately.

(v) Stores issued for experiments will be returned to the nearest arsenal on conclusion of trial, unless otherwise ordered.

(vi) In the event of any stores being consumed or destroyed during the experimental period they will be written off charge on expense vouchers.

### SECTION XIX.—DAMAGE AND REPAIR OF ARMS AND EQUIPMENT.

236. When a small arm, or portion of a small arm is damaged, it will be examined, and if the damage is not due to fair wear and tear, the amount of the damage will be assessed in accordance with paragraph 115, or in consultation with the C. C. M. A. and disposed of under the rules in Financial Regulations, India, Part I, and recovered from the unit or individual responsible and credited to the State.

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235—4

CS 16  
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237. An armourer may not charge a soldier for repairs to his arms.

238. A scale of charges to be made on account of cleaning, rust, cord wear, and other defects of small arms, which in the opinion of a station board are caused by neglect, is given in paragraph 115. These charges are to be recovered from the individual concerned as soon as the defects or damage have been discovered, and a record will be made of the position of the defect in order that a second charge may not be made for the same damage. A record will also be kept of all particulars connected with the assessments made, which should clearly show that the value of all arms which have been partly paid for has been decreased by the credit of a corresponding amount.

239. The decision of the superior commander on the proceedings of a station Board, as to whether defects or damage to arms have been caused by neglect or not, is final.

240. Whenever any damage or deficiency to arms is shown as chargeable to the State, full reason will be given by the C. C. M. A.

When the opinion of the C. C. M. A. is that damage or deficiency is chargeable to the unit a loss statement will be prepared in accordance with the rules in Financial Regulations, Part I, governing damages and deficiencies. If the opinion of the C. C. M. A. is not concurred in by the unit commander the latter will record his opinion on the loss statement when submitting it to the competent financial authority who will obtain any expert advice required from the I. S. A. When audit of unit accounts takes place units will produce I. A. F. O., I. A. Fs. O-2263, E, F or/ and G for scrutiny by the local audit officers. C117  
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241. The investigation of cases of damage to small arms will take place only when it is evident that the damage is due to unfair wear and tear, or to circumstances of an unusual nature. If such damage is considered to be directly or indirectly related to the firing of the arm, the description, place and date of manufacture of the particular cartridges in use at the time should also be recorded in the proceedings of the court of enquiry. Unit commanders will take special care that all possible evidence is collected beforehand as to the ammunition used.

The preliminary enquiry should include the examination of the damaged arms and the cartridges in use, together with their wrappers, charger cases or bandoliers, as the case may be. Reports will then, if necessary, be rendered in accordance with paragraph 229.

242. In cases of injury to rifle or carbine barrels, both barrel and body will be exchanged but, if supplied on payment and the body is serviceable, only the price of the barrel will be charged.



243. For the purpose of assessing damage to a bicycle not due to fair wear and tear, its life will be fixed at 6 years ; the original value will be taken at Rs. 140 with an annual depreciation of Rs. 20 for each year of life.

Extensive repairs or overhauls in arsenals due to fair wear and tear will not be debited against the yearly allowance for the upkeep of bicycles (P. & A. Regulations, Part II), but will be a charge against the State.

244. Repairs to equipment other than optical and scientific instruments will be carried out, if possible, by regimental artificers, free of charge, unless an allowance for labour is specially sanctioned. Repairs to artillery equipment in charge of defences or units, where no qualified artificer is available locally, will be carried out with assistance provided by C. O. Os. of arsenals concerned. Unit commanders, when applying for such assistance, will specify the repairs required.

Repairs to searchlight equipment in Coast Defences, which are beyond the capabilities of R. E. units, will be carried out in I. A. O. C. Establishments.

245. When two or more batteries are stationed together, any heavy work, such as setting up wheels, will be executed by the artificers of the several batteries combined. Where units are stationed in the same locality, any unit requiring the services of an artificer will apply to the station commander to detail an artificer from another unit.

246. The following special instructions are issued regarding the exchange of guns, pistols, Lewis and Vickers machine guns and mountings, rifles, bayonets, scabbards, which are beyond unit repair :—

(a) Guns mounted in important positions which require repair may be immediately replaced on indent of the superior commander. All other guns, mountings and carriages which are returned to an ordnance establishment for repair will be replaced if the period occupied in their repair is likely to be long or to cause serious inconvenience. The C. O. O. of the arsenal, or the superintendent of the factory repairing the stores, is responsible that the consignee is promptly informed as to the probable time it will take to repair and return them.

(b) Rifles, pistols, bayonets, scabbards, Vickers and Lewis machine guns and mountings on charge of Schools of Instruction and, regular units serving in frontier stations of Northern and Western Commands, which require repairs that may not be undertaken by the unit armourer (*vide* para. 220), will be exchanged before they are returned to arsenals. Similar action will be taken in respect of D. P. Vickers guns and D. P. Mountings

tripod with all regular infantry units. Applications for exchange will be made on I. A. F. Z-2098. Rifles, pistols, Vickers and Lewis machine guns and mountings; D. P. Vickers guns and D. P. mountings tripod so exchanged must be returned by passenger train immediately replacements are received.

Frontier stations are

- (i) All Trans-Indus stations in the Northern Command.
- (ii) All stations in Zhob Brigade Area.
- (iii) Chaman and Shelabagh.
- (c) Rifles, bayonets, scabbards, pistols, machine guns and mountings on charge of all other units and formations will be repaired "on deposit" in arsenals, application for this repair being made on I. A. F. O.-1370, *vide* para. 249.
- (d) Rifles, bayonets, scabbards, pistols and machine guns and mountings returned for "deposit repair" which on receipt in an arsenal are found to require factory repair will be replaced.
- (e) If the absence of the arms undergoing deposit repair is likely to cause serious inconvenience to the unit, a report will be made by the unit to the superior commander who will inform the C. O. O. if necessary the date by which the arms, etc., are required. The C. O. O. will expedite repairs or arrange replacement as the circumstances warrant.
- (f) Repairable Vickers guns which have been modified in accordance with I. L. Cs. A-1002 and/or A-1777 will, prior to return to arsenals, be fitted with the standard pattern tangent sights and/or outer casings, muzzle attachment, received with the serviceable guns sent from arsenals in replacement, and the serviceable guns will be fitted by the unit with the recovered modified components before being taken into use.

Guns with modified components returned to Arsenals for deposit repairs and which on receipt are found to be Factory Repair or Unserviceable, will have the components removed and substituted by standard components and the recovered modified components fitted to the serviceable guns sent to the unit in replacement.

**246-A.** *Repairs by units of anti-gas respirators sentenced "unit repair".*

(Applicable to Army, R. A. F., A. F. I., I. T. F. and certain I. S. F. units.)

Such repairs will be carried out in accordance with the instructions contained in the Indian Supplement to "Defence against gas, 1935".

**246-B.** Procedure for the replacement of anti-gas respirators sentenced "Beyond unit repair".

(Applicable to Army, R. A. F., A. F. I., I. T. F. and certain I. S. F. units).

(i) Replacements will be made *before* the defective respirators are returned to ordnance charge.

(ii) Indents to replace those defective will be made on I. A. F. Z.-2098 on which the relevant inspection report (I. A. F. O.-2482), No. and date will be quoted.

(iii) As soon as replacements have been received the defective respirators will be returned to ordnance charge. The procedure laid down in Section 8 of the Indian Supplement to "Defence against gas, 1935" will be strictly observed.

**247.** Repairs to wireless equipment should be effected by units to the extent of their capabilities with tools and testing apparatus held on their charge, indents for spare parts and materials required being submitted to the I. A. O. C.

Wireless equipment beyond unit capacity to repair will be forwarded to the I. A. O. C. who will arrange for replacements as necessary.

**248.** When repairs to scientific instruments on unit charge, such as directors, binoculars, telescopes, plotters, range-finders, dial sights, line and visual telegraph instruments, etc., cannot be carried out by the unit, I. A. F. Z.-2098 in duplicate will be submitted to replace the instruments. The repairable instruments will be returned to the ordnance establishment concerned under the orders of the C. O. O. or O. O.

Only in cases where immediate replacement is not possible will such instruments be ordered to an ordnance establishment for deposit repair.

**248-A.** All vehicles, wheels and other components enumerated in Section E. 1 of the V. O. S. (I.) which require repairs that cannot be undertaken by units will be replaced and the repairable stores will then be returned to arsenals.

**249.** The following special instructions are issued in connection with stores, other than those dealt with under paras. 246, 247 and 248, which are beyond unit repair :-

(i) When repairs cannot be carried out by regimental artificers, or when painting or other work for which there is no authorized allowance, is necessary, application should be made to the C. O. O. on I. A. F. O.-1370 in quadruplicate, showing the items repairable and giving full information.

A separate I. A. F. O.-1370 should be submitted in respect of each item bearing a distinct nomenclature and mark or size.

(ii) The C. O. O. may order stores into arsenal for deposit repair, and if sentenced arsenal repair orders to this effect will be entered on the four copies of the I. A. F. O.-1370 as also the date by which the stores should be sent into the arsenal. Three copies of the form will be returned to the unit and one copy retained by the C. O. O. for workshop reference. *CS 185*  
*8/42*

(iii) Stores returned to an arsenal for deposit repair or alteration under the authority of the C. O. O. will be accompanied by I. A. F. O.-1370 in triplicate, which will be used as an issue voucher by the unit, a receipt for the stores being granted by the C. O. O., on one copy of the form. After repair, stores will be re-issued to units on I. A. F. O.-2497.

Stores on despatch to the C. O. O. for "Deposit repair" will not be struck off charge.

(iv) When a store sent in for deposit repair is found unserviceable or beyond arsenal repair, a condemnation report (A. F. G-1043) and a regular receipt on I. A. F. O.-2497 will be furnished to the unit by the C. O. O. as the authority to strike the stores off ledger charge. Replacement of such stores (other than those received on payment work orders or on work orders from units who maintain and replace equipment at their own expense) will, be made without further demand.

(v) Repair under local arrangements may be ordered by the C. O. O., an estimate of the cost being furnished by the unit. In such cases two copies of I. A. F. O.-1370 will be retained by the arsenal and two will be returned to the unit, one of which will support the bill submitted for payment on completion of repairs. Bills for local repair work will be countersigned, after check against the original estimates, by the C. O. O. before being passed to the C. M. A. for payment; labour charges being shown separately by the unit when the bill is prepared. *CS 185*  
*9/42*

Reteasing and restuffing of hospital mattresses and pillows is specially legislated for in the Preface to E. Rs. (I.), Part 2, Section V.

(vi) On no account are units to send stores to the arsenal for repairs, or commence repairs under local arrangements, without the prior sanction of the C. O. O.

No. 125 of August 1940.

Page 88—Paragraph 248—

Insert the following as a new sub-para. :—

“When repairable instruments are returned to Ordnance establishments, their cases will be repaired to the extent necessary to ensure that no damage will occur in transit.”

Case No. 30543/M. G. 7-A.

D. F. A. (O.) Dy. No. 69/A.O.-2 of 18-4-40.

D. D. Regr. No. 6073/C. R. S. of 1940.

Amendment to E. Rs. (I.), Part I, Reprint 1939.

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Amendment to. E. Rs. (I.), Part I, 1933 (Reprint 1939).

D. F. A. (O.) u/o no. 100517  
D. D. Regr. No. 10830/C. R. S. of 1940.

C. MACI. G. OGILVIE,  
*Secretary to the Government of India.*



No. 139 of November 1940.

Page 88, paragraph 248 (as amended by amendment No. 125 of August 1940 —  
Add as sub-para. 3 :—

“ This procedure will also apply to pipe hose 2-3/4-inch for fire engines.”

Case No. 36824/M. G. 9-C.

D. F. A. (O.) u/o No. 9985/O.-2 of 1940.

D. D. Regr. No. 10927/C. R. S. of 1940.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).

No. 28 of August 1939.

Page 88—

Insert the following new paragraph :—

248-B. Repairs to microscopes on charge of military hospitals (both Medical and Veterinary) beyond unit capacity to repair, will be carried out by the I. A. O. C. - Applications for repairs will be submitted to the arsenal on which dependent, on I. A. F. O.-1370, in quadruplicate.

The I. A. O. C. will obtain all components required for this purpose from the nearest Medical Store Depot. These will be issued free.

Case No. 27070/M. G. 7-A.

D. F. A. (O.) u/o No. 1157/O. of 1939.

D. D. Regr. No. 5267/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).

No. 184 of July 1942.

Paragraph 247—

After 'wireless' in Lines 1 and 5, insert "and signalling".

Case No. 39744/1/M. G. 7-C.

D. F. A. (O) u/o No. 6643/O-2 of 1942.

D. D. Regr. No. 245/C. R. S. (R.) of 1942.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939 and 1941).

No. 185 OF AUGUST 1942.

*Pages 88-89 (97 of the 1941 reprint).*

*Para. 249—*

*Sub-para. (i)—*

*In lines 4 and 5 (5 of the 1941 reprint) for ‘quaduplicate’ read  
“triplicate”.*

*Sub para. (ii)—*

*In line 3 for ‘four’ read “three”*

*In line 5 for ‘Three copies’ read “One copy”*

*In line 6 for ‘one copy’ read “two copies”.*

Case No. 39744/1/M.G. 7-C.

D. F. A. (O) No. 7404/0-2.

*Amendment to E. Rs. (I), Part I, 1933 (Reprint 1939 and 1941).*

No. 101 of April 1941.

Page 88.

Insert the following as a new paragraph:-  
"247-B. WIRELESS INSULATORS. Under no circumstances will wireless insulators be painted; when glass and porcelain insulators become dirty they will be washed with soap and water and then rinsed in clean water; ebonite insulators will be brushed and wiped clean with a dry cloth."

Case No. 22096/M.G.3.

D.F.A. (O) U.O. No. 1411/O-2 of 1941

D.D. Regr. No. 2396/C.R.S. of 1941

Amendment to E.Rs. (I), Part I, 1933 (Reprint 1939)

Page 88 (Page 96 of the 1941 Reprint)—

Para. 247-A, Sub-para. 8—

*Substitute* the following for the existing sub-para. 8 :—

“ 8. When one of the stores in Appendix 69A is issued from stock or transferred from one unit to another, one copy each of the Issue Voucher bearing the registered number of the store will be endorsed to the D. D. O. S. P., G. H. Q., the Arsenal on which the unit transferring the equipment is dependent and the Inspector of Scientific Stores, so that a record of the movement of the stores may be kept.”

Case No. 27921/M. G. 7.C.

D. F. A. (O.) Dy. No. 1750/O. 3 of 1941.

D. D. Regr. No. 9/C. R. 8. of 1941.

Amendment to E. Rs. (I.), Part I, Reprint, 1939 and 1941.

No. 157 of May 1941.

Page 88, Paragraph 247-A (as inserted by amendment No. 144 of February 1941)—

Line 7.—For “ Appendix 70 ” substitute “ Appendix 69-A ”.

Sub-paragraph 4, in line 2.—For “ Appendix 70 ” substitute “ Appendix 69-A ”.

Sub-paragraph 8, in line 1.—For “ Appendix 70 ” substitute “ Appendix 69-A ”.

Case No. 39164/I/M. G. 9-D.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).



*Page 89 (97 of the 1941 reprint)—*

*Paragraph 249 (v)—*

*Delete the first sub-para. and*

*Insert—*

“Repair under local arrangements may be ordered by the C. O. O. In such cases three copies [of I. A. F. O.-1370 will be prepared by the unit showing local repair rates, labour and material being separately indicated.

Two copies will be forwarded to the Arsenal for the sanction of the C. O. O. to local repairs. The C. O. O., if he approves of the rates shown will return one copy duly countersigned to the unit, who will on completion of work prepare I. A. F. A.-115 (Contingent Bill) and submit it direct to the C. M. A. supported by the sanctioned copy of I. A. F. O.-1370 and contractor's bill.”

Case No. 21651/M. G. 7-C.

D. F. A. (O). u/o No. 9801/O-2 of 1942.

Amendment to E. Rs. (I), Part I (Reprint 1939 and 1941).

249-A. Payment work orders submitted to the I. A. O. C. will be endorsed "on payment". Such work orders fall into two categories as follows :—

*" A " Authorised.*

- I.—Repairs to current equipment for units of the Army executed on payment.
- II.—Repairs to current equipment for the M. E. S., Military Farms Department, R. A. F., R. I. N., and Police for which a debit is raised ; also Indian States Forces from which recoveries are effected by controllers.

*" B " Requiring special authority.*

- I.—Repairs to or manufacture of stores, which are not current equipment of the formations referred to in " A " above, or which are the property of other departments of Government of India.
- II.—Private work executed for :—
  - (a) Any of the formations mentioned above.
  - (b) Civil bodies.
  - (c) Individuals.

Work orders under " A " will be accepted by C. O. Os. and the formation concerned will be debited with the actual cost of repairs.

In the case of repair work done for units and formations, the cost of which is required to be met from monthly allowances, or other cash allotments made to units of the army for the purpose, only the cost of materials used in the repairs will be charged against the unit's allotments, etc. No labour charges or general and indirect charges will be levied, nor will departmental charges be added to the cost of material.

Repairs to motor vehicles, the private property of military individuals, may be carried out in workshops under the written authority of C. O. Os. in each case ; and then only under the following conditions :—

- (a) That the vehicle belongs to a military individual.
- (b) That no civil firm capable of carrying out the repair exists within a reasonable distance.
- (c) That the owner certifies he is willing to bear the cost.
- (d) That the repairs can be carried out without detriment to any government work which the workshops may have in hand.
- (e) That the privately owned car which is being repaired in government workshops is entirely at the owner's risk for loss or damage by fire, theft or otherwise.
- (f) That only such repairs as may be necessary to maintain vehicles in running order, are undertaken. Alterations to existing design are not to be undertaken.

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02114  
5/40

Page 90—

*Paragraph 249-A*, sub-paragraph 3, line 3, after “for the purpose,” insert  
“the unspent balance of which lapses to Government at the close of the  
financial year.”

Case No. 33814/M. G. 7-A.  
D. F. A. (O.) Dy. No. 6561/O.-2 of 1940.  
D. D. Regr. No. 8651/C. R. S. of 1940.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).

No. 80 of December 1939.

Page 90—

*Paragraph 249-A*—

Delete “Repairs to motor vehicles, the private property of military individuals.....to the end of the sub-paragraph.”

Insert “Repairs to motor vehicles, the private property of military individuals, may be carried out in Ordnance M. T. workshops under the written authority of the C. O. M. E., command /S. O. M. E., ind. district, and then only under the following conditions :—”

Insert the following fresh clause :—

“(c) that the vehicle is employed by the individual in the performance of military duties.”

Re-letter clauses (c), (d), (e) and (f) as (d), (e), (f) and (g), respectively.

Case No. 33814/M. G. 7-A.  
D. F. A. (O.) u/o No. 6614/R. P. of 1939.  
D. D. Regr. No. 9774/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, Reprint, 1939.

Page 90—

Paragraph 249-A.—

Sub-paragraph “Repairs to motor vehicles, the private property.....  
.....and then only under the following conditions”  
as inserted by correction slip No. 80 of December 1939.

In line 2 after the word “individuals” insert “and to the staff cars or the  
G.-Os. C., the cost of which is met out of their tour grant”.

Case No. 35846/M. G. 7-A.

D. F. A. (O.) u/o 1872/O-2 of 1940.

D. D. Regr. No. 2917/C. R. S. of 1940.

Amendment to E. Rs. (I.), Part I, Reprint 1939.

199/43. Pages 98-99 (1941 edition only).

Para. 249-A.

Delete last two lines on page 98 and first two lines on page 99.

Case No. 39744/1/M.G./O.S.-10.

D. F. A. (O) u/o No. 4497/0-3 of 1943.

No. 117 of June 1940.

Pages 90-91—

Paragraph 249-A—

In correction slips Nos. 80 and 81 of December, 1939—

Delete the words “ Ordnance M. T. Workshops ” wherever they occur,  
and

Insert “ I. A. O. C. establishments having 3rd line M. T. workshops ”.

Case No. 33814/M. G. 7-A.

D. F. A. (O.) u/o No. 4571/O.-2 of 1940.

D. D. Regr. No. 4527/C. R. S. of 1940.

Amendment to E. Rs. (I.), Part I, 1933 (Revised)

Paragraph 249-A—

After the words “The following percentages ..... overhead expenses” add “except in the case of payment repair work in Ordnance M. T. Workshops”.

At the end of paragraph insert “The cost of payment repair work in Ordnance M. T. Workshops will be calculated on the following basis :—

*Material and spares.*—At stock book rates *plus* thirteen per cent. departmental charges.

*Labour.*—To include overhead charges in accordance with Store Accounting Instructions.

In the case of category ‘ B ’ II (b)—work orders for civil bodies—the body concerned will be furnished with an estimate of the cost of repair including overhead charges and will be required to deposit funds in the nearest treasury to cover such estimated charges before the work is commenced”.

Case No. 33814/M. G. 7-A.

D. F. A. (O.) u/o No. 6614/R. P. of 1939.

D. D. Regr. No. 9774/C. R. S. of 1939.



In the case of 'Civil Police' and 'Indian States Forces' the percentage charges prescribed below will be levied in addition.

Work orders under "B" will be sanctioned and signed by C. O. Os. personally who will keep a record of such sanctions for the information of inspecting officers.

The following percentages will be added to labour charges on account of overhead expenses : C. 2 81  
12/39

Per cent.

Non-Military Departments including Civil Police, and Indian States Forces . . . . .	100
Civil bodies and individuals and unauthorised work carried out on payment for units of the regular army . . . . .	150
Royal Indian Navy, M.E.S. and R. A. F. . . . .	Nil.

Priced vouchers will be issued for all work done on payment, and disposed of in the same manner as vouchers for stores issued on payment.

In addition 5 per cent. of the value of all materials used will be added, except in the case of the R. I. N., M. E. S. and R. A. F., on account of departmental charges.

250. Repair material will not be used for any other purpose than for which it is provided and the sale or exchange of such is forbidden.

The value of materials expended in repairs necessitated by neglect will be credited in pay lists.

251. Scales of components allowed annually for the repair of arms are shown in Appendix 12. Such components of rifle No. 2 as are not common to rifle No. 1 will be demanded when required in replacement of those rendered unserviceable.

252. When a unit requires components in excess of the authorized allowance, the unit commander will furnish an explanation of the cause. The matter will be dealt with by the superior commander and, in deciding whether the issue is to be free or otherwise, he will take into account whether the annual allowance has been drawn periodically in full. If the components are required in connection with a C. C. M. A.'s inspection, the C. C. M. A. will enumerate the excess components on his inspection report and will state, when necessary, if there appears to be reason for charging the unit with the cost of such components.

253. The scale of foresight blades is shewn in Appendix 8.

254. When the services of a certificated N. C. O. are available, such soldiers as are called upon to ride bicycles should, whenever possible, be previously instructed in the correct method of effecting adjustments and minor repairs.

255. To facilitate the maintenance of machines in a serviceable condition, units in possession of service pattern bicycles may draw

annually on payment indents, a small number of the more commonly used components, so that these may be immediately available for repair work when required. No one article will exceed Re. 1 in value and the total value of the items demanded in the annual indent will not exceed Rs. 5 per bicycle on charge. The amount will be debited against the cost of maintenance. Only such components, as are supplied by the Ordnance Corps should be used on service pattern bicycles, and their local purchase, and also of material for repair (except repair outfits) is prohibited. Units in possession of trade pattern bicycles will purchase locally components and repair material for their maintenance.

When a unit proceeds on field service, all arrangements for supply will be undertaken by the Ordnance Corps.

When bicycles with units require repainting, 'paint, p.f.u., khaki enamel' will be used. This paint will be supplied on payment by the I. A. O. C.

In cases where damage or repair is caused by other than fair wear and tear, such as a machine being involved in an accident for which the rider cannot be held responsible and the c.f.a. decides, on the basis of the findings of the Court of Enquiry, that the amount involved should be borne by the State, action will be taken in accordance with paragraph 52 (i) or paragraph 249 whichever is applicable and the cost will not be debited to the annual allowance for upkeep.

256. The proportions of materials authorized for repair of harness and saddlery are shown in Appendix 21 and are based upon the average quantities required for the repair of articles which have been some years in use. With new equipments the same amount of materials will not be required, and in making indents unit commanders will demand only what is actually requisite.

(Note.—For instructions for preservation, etc., of harness and saddlery, see the "Manual of harness, etc." in use in India.)

257. *Repair of binoculars, compasses, etc., the property of Officers.*  
—When binoculars, compasses, monoculars, etc., which are the private property of officers, require to be cleaned or repaired, the procedure outlined in paragraph 249 will be followed. I. A. P. O.-1370 will be endorsed with the rank and name of the officer against whom debit is to be raised.

The instruments should be securely and carefully packed and despatched by registered parcel post with a note enclosed stating the owner's name, unit, station and the nature of repair required.

All charges will be paid by the officer concerned.

258. The following components may be demanded annually for repair of mark VI water-bottles on the scale shown *against* each :—

Covers . . . . .	10 per cent.	} of the number of water-bottles actually in use.
Stoppers, cork . . . . .	20 " "	
Cords . . . . .	20 " "	

Felt covers may be repaired when necessary by binding the top and bottom edges with "Web, cotton, khaki, 1-inch" which, together with the necessary 'Thread, linen, khaki' will be issued under the conditions laid down in paragraphs 30 and 249 (v), and repairs carried out regimentally.

The provisions of this paragraph are also applicable to A. F. (I.) and I. T. F. units, except that the scale to be issued will be restricted to 5 per cent. of the number of water-bottles on charge.

For reservists' equipment, demands for components will be based on the number of water-bottles which will be used during the year.

259. Scale of material allowed for the repairs of tanks, mule, Mark I, on charge of units in the Waziristan district is given in Appendix 22-A.

260. For the scales of materials for browning arms and the rates of pay admissible for the re-browning of arms see Appendix 14. The browning of arms should last two years. If re-browning be required before the expiration of that period, additional materials will only be supplied on payment except when re-browning is sanctioned by the G. O. C. district or independent brigade. No charge will be made against troops for browning their arms when the service is rendered necessary by fair wear.

In cases where complete re-browning is unnecessary, "patch" browning, i.e., the re-browning of only those components which require it, should be carried out. [See Instructions for Armourers (India), Appendix I for materials required.]

When the number of bayonets and scabbards to be re-browned exceeds the number of rifles, materials for the excess bayonets and scabbards will be used in the proportions given in Instructions for Armourers (India), Appendix I.

261. Units which cannot re-brown their own arms will, if at an arsenal station, apply to the C. O. O. for permission to send the arms to the arsenal for re-browning, otherwise to the station commander who will arrange to have the re-browning done by a unit in the station having an armourer. When the re-browning of arms is done in an arsenal, no indent for the materials will be needed. If re-browned by another unit, the regiment carrying out the work will demand the materials.

262. When a difference of opinion arises as to the manner in which the arms of another unit have been browned by the armourer of the British regiment, the decision will rest with a board detailed by the superior commander, consisting of a field officer unconnected with either unit concerned.

263. In order to ensure that small arms, machine guns and connected stores are maintained at all times in a good state of repair, units without armourers will be affiliated by station commanders

to local units with armourers. In cases where a station commander has to make arrangements for repairs to be undertaken by an armourer of another unit, an arsenal will provide an Indian armourer from the temporary establishment to assist with the repairs.

Responsibility for arranging periodical inspections will rest with unit owning the arms. The unit carrying out the work will be responsible that repairs are thoroughly executed and that demands are placed on arsenals for components and materials not authorised or in possession of the attached units.

When a local unit armourer repairs more than 24 small arms belonging to another unit, he will be remunerated for his extra work at a rate to be fixed in each case by the chief ordnance officer concerned. No remuneration will be paid to an armourer detailed from an arsenal by the C. O. O. One machine gun will be considered as the equivalent of 6 rifles.

The term "repair" will be held to include the stripping and cleaning of arms and the periodical lubrication of rifles between stock fore-end and barrel.

264. ~~Rifles held for internal security purposes~~ will be lubricated annually between stock and barrel.

265. Scales of tools and material allowed for the repair of web equipment and instruction for carrying out repairs are given in Appendix M.

266. When any article comprising two or more component parts has become in part unserviceable in time of peace, such new parts as may be required will be obtained from store and attached by artificers of units free of charge. Unit commanders will take care that no part of equipment in use is destroyed until the new parts required from store have been received and can be utilized.

267. Pipe boxes will be gauged and sentenced by O. M. Es.

268. Cleaners and sponges of mobile artillery will be re-wigged by the Ordnance Corps.

269. Tyres which cannot be repaired locally should be disposed of as not worth cost of repair.

270. Mess tins and cooking utensils of pressed or stamped ware made from tin-plate will be re-tinned in arsenals, or locally by approved contractors under arrangements made by C. O. Os. The stores requiring re-tinning will be referred to C. O. Os. on I. A. F. O.-1370 (*vide* para. 249). Commercially pure tin only will be used in re-tinning and for the soldering of joints, etc., of mess tins and cooking utensils. Zinc chloride may be used as a flux. All traces of the flux must be removed from the tinned articles by washing in boiling water.



Paragraph 264 is *reconstructed* as follows:—

“264. Rifles, or muskets, etc., held for Internal Security purposes will have their barrels and associated components painted under arrangements to be made by Station Commanders.

Instructions for painting and subsequent maintenance are contained in Instructions for Armourers (India), 1936, Section 2.

The scale of stores supplied annually for painting and lubricating is detailed in Equipment Regulations (India), Part I, Appendix 15.”

Case No. 26278/M.G. 2

D.F.A. (O) U.O. No. 10568/02 of 1941.

D.D. Regr. No. 49/C.R.S.(R) of 1941.

Paragraph 274-A is *reconstructed* as follows :—

“ 274-A. In order to preserve the woodwork of rifles in the hands of troops, units will treat them with raw linseed oil, in accordance with the following directions :—

The oil will be applied monthly by the soldier on the outside of the woodwork of the fore-end, butt and handguards front and rear, and inside of the parts by the Armourer as occasion arises.

The applications will be as follows :—

By the soldier .. Wipe over the woodwork with a dry rag and carefully apply the raw linseed oil without touching the metal work ; let stand for 3 hours and then wipe off thoroughly. After application of linseed oil the rifle must not be polished.

By the armourer .. On any occasion it is essential to remove the fore-end or handguards, linseed oil will be applied to the inside of the fore-ends and handguards. Allow to stand at least 3 hours, or longer if possible. Wipe off surplus oil before re-assembling.

During re-browning linseed oil should be applied to fore-end and handguards daily.

It is essential that this treatment be carried out thoroughly and systematically as it has been demonstrated that woodwork so treated is less liable to warping, twisting and splitting due to exposure to the weather than untreated woodwork.

The raw linseed oil required will be demanded by units at the scale shown in Appendix 15.”

Case No. 26278/M.G. 2.

D.F.A.(O) U.O. No. 10568/02 of 1941.

D.D. Regr. No. 49/C.R.S. (R) of 1941.



Page 95—

No. 82 of December 1939.

Paragraph 271—

For " Vol. IV ..... 42-1 " substitute " Volume I,  
Pamphlet No. 1, Appendix I " .  
Case No. 40823/A/M. T. 3.  
D. D. Regr. No. 9987/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, Reprint, 1939.

Page 95—

No. 83 of December 1939.

Paragraph 274—

For " Chapter VII..... Vol. IV " substitute " Small Arms  
Training Volume I, Pamphlet No. 1, Appendix I " .

Case No. 40823/A/N. T. 3.

D. D. Regr. No. 9987/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, Reprint, 1939.

No. 123 of July 1940.

Page 95—Paragraph 274-A—

After the fullstop in line 13 insert “ After application of linseed oil the rifle must not be polished. ”

Case No. 27890/Pt/M. G. 3.  
D. F. A. (O.) u/o No. 3078/O.-2 of 1940.  
D. D. Regr. No. 4889/C. R. S. of 1940.

Amendment to E. Rs. (I.), Part I, Reprint 1939.

Paragraph 274-A—

Insert as a new sub-paragraph :—

“The scales in this paragraph are also applicable to A. F. (I.) units.”

Case No. 31613/M. G. 9-B.

D. F. A. (O.) u/o No. 7980/R. P. of 1939.

D. D. Regr. No. 9935/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, Reprint, 1939.

Units may make their own arrangements for the re-tinning of brass and copper ware.

The concurrence of the C. O. O. will be obtained on I. A. F.O. 1370 before the work is taken in hand, and the procedure laid down in paragraph 249 (V) will apply.

271. For tests to be applied to rifles, see S. A. T., Vol. IV, Chapter VII, Section 42-1. CS 82  
12/30

272. For tests to be applied to pistols, see Chapter VII, Section 44 of Small Arms Training, 1931, Volume IV.

273. To determine the serviceability or otherwise of a cord-worn barrel when any doubt exists, the following points will be observed :—

1. A barrel is unserviceable through cord-wear at the breech, when a cartridge fired in it shows clear signs of having expanded into the groove made by the cord.
2. Before being sentenced unserviceable from cord-wear at muzzle, barrels should, if possible, be practically tested with the authorised local firing test for accuracy.

Should it not be possible to carry out the authorised local firing test the rifle should be fired at 100 feet range when the centres of the best 9 out of 10 shots should fall within a circle 1.75-inch in diameter.

274. Before being sentenced as unserviceable for bulges or corrosion, .22-inch R. F. short rifles will be tested as prescribed in Chapter VII, Section 42, para. 2 of Small Arms Training, 1931, Vol. IV. CS 83  
12/30

274.A. In order to preserve the woodwork of rifles in the hands of troops, units will treat them with raw linseed oil, in accordance with the following directions :—

The oil will be applied monthly by the soldier on the outside of the woodwork of the fore-end butt and hand guards front and rear. A half-yearly application will also be made to the inside of the fore-ends by the armourer at his half-yearly overhaul of rifles. The applications will be carried out as follows :— CS 84  
12/30

*By the soldier.*—Wipe over the woodwork with a dry rag and carefully apply the raw linseed oil without touching the metal work ; let stand for 3 hours and then wipe off thoroughly. CS 123  
7/40

*By the armourer.*—Wipe off all grease from the inside of the fore-end (that part in which the barrel and body are embedded) ; apply the oil and allow to stand for 3 hours. Wipe off thoroughly and then apply the ordinary lubrication to prevent rust forming on the barrel.

The raw linseed oil required will be demanded by units at the scale of 15 pints per 100 rifles, per annum.

CS 178  
1/42

275. All rangefinding instruments on charge of Cavalry and Infantry units will be tested annually as laid down in the "Handbook of the Rangefinder, Infantry No. 2 (Barr and Stroud) 1933", Appendix II, as modified for India.

Any instrument that fails to pass this test, or that is considered in any other way unserviceable, will be reported to the C. O. O. on whom dependent and to the Brigade and unit concerned.

(Reference item No. 136-A. I. A. F. Z. 2000, Regtl. Sect.). One copy of I. A. F. O. 1441-A—annual and supplementary tests of Rangefinders, Infantry No. 2 (Barr and Stroud) will be retained by each unit. It will be sent with any rangefinder forwarded for repair under instructions from the C. O. O.

Rangefinder, artillery, No. 2 will be tested as laid down in the "Handbook of the Rangefinder, Artillery, No. 2 (Barr and Stroud) 1926, Appendix III." The results will be entered on I. A. F. O. 1441.

276. All rifle grenade dischargers on charge of units will be examined quarterly, under regimental arrangements, in accordance with the following instructions :—

*Base*.—See that the base is free in the barrel, that the levers work freely and that adjusting screw is movable with the screw-driver.

*Barrel*.—Examine the moving segment to see that it is movable and properly seated in its recess and correctly seals the vent. See that the ranging nut is in working order and will clamp the moving segments. Examine the discharger barrel to see that it is free from destructive rust or fouling inside, and that it is not deformed or damaged.

Damaged dischargers will be replaced and returned to the supplying arsenal.

277. Sight clinometers in possession of artillery units will be tested locally in accordance with the instructions given below, in order to determine the degree of error due to backlash or other causes.

- (a) Place the sight clinometer, set at zero, on its bracket and bring the bubble to the centre of its run by means of the elevating handwheel.
- (b) Turn the micrometer head clockwise for two or three complete turns and then carefully turn back anti-clockwise until the bubble is in the centre of its run. If the bubble overruns, repeat. Note the second reading.
- (c) Turn on anti-clockwise for two or three complete turns of the micrometer head, and then carefully turn back clockwise till the bubble is again in centre of its run. If the bubble overruns, repeat. Note the second reading.

- (d) Any difference between the two readings is error due to insensitiveness of the bubble or backlash, or both.
- (e) Repeat at angles other than zero.

If the instrument cannot be adjusted by an artificer so as to reduce all errors to two minutes or less, it will be considered beyond local repair. Demands will be submitted for the replacement of all such defective clinometers, and, on receipt of serviceable instruments, the defective ones will be returned to the I. A. O. C.

Levels longitudinal of Carriers No. 7 Dial Sight No. 1 (Mks. I\*\*, II\* and IV) will be tested as for sights clinometer.

278. Before cable is issued to units, or taken into use from mobilization reserves by units, or at the annual inspection of army signalling equipment in arsenals, it must be ascertained by a megger test that the rubber insulation is in good condition. A length of cable of about 20 yards is selected free from visibly defective spots and repaired places and immersed in water leaving dry about  $2\frac{1}{2}$  yards of the running end, which is connected to the "Line" terminal of the megger. The object is to have immersed about 17.6 yards or one hundredth of a mile. The standing end may or may not be cut from the coil, but if not, the coil or drum must be insulated from earth, which can easily be arranged by supporting it upon glass objects such as bottles, jampots, inkpots, glass paper weights, etc. If cut from the coil, the standing end must be kept dry, which can conveniently be done by bringing it across to the running end, twisting together and attaching both to the megger. The "Earth" terminal of the megger is to be connected electrically to the water in which the coil is immersed.

The voltage applied, for the purpose of this test, should not exceed a maximum of 150 volts and should not be below a minimum of 100 volts.

A test should be at once made and if the insulation resistance registers less than 40 megohms the test piece should be regarded with suspicion, inspected for bad places, and replaced by a fresh length, if necessary.

Test should be made every 24 hours and if at the end of 3 days immersion the I. R. is less than 40 megohms the dielectric must be assumed to be defective and the cable unfit for issue as "Serviceable" cable. Most cables will be found to register either noticeably above 40 megohms (i.e., "Infinity" or nearly so) on a short test length such as this, or noticeably below, so that the test will not ordinarily prove ambiguous, but in any case of doubt the cable should be sentenced as "Unserviceable", since 40 megohms on a test length of 17.6 yards corresponds to only 400,000 ohms per mile, which is much below the acceptance limits for new cables.

A second length of cable should be submitted to such twisting and looping as might normally be expected in use in the field. After



this, the cable should be examined for any visible splitting of the insulation and, if not obviously unserviceable, should be submitted to an immersion test described above.

Cases of failure under the above test should be reported to the Inspector of Guns, Cossipore, for confirmation of sentence. In the case of units, the reports should be forwarded to the arsenals concerned for transmission to the Inspector of Guns.

## SECTION XX.—ARMS AND ACCOUTREMENTS AND STORES FOR TROOPS ON BOARDSHIP.

279. The stores to be placed on board Royal Indian Navy vessels, transport and freight ships detailed for trooping are given below :—

Description of stores.	Royal Indian Navy vessels.	Hired Transports, or freight ships engaged in India.	Remarks.
Rifles with bayonets, and the necessary accoutrements.	100 for vessels carrying 1,000 men or more. 50 for vessels carrying less than 1,000 men.	10 per cent. of unarmed strength on board, except invalids and time-expired men.	
Ammunition . . . .	40,000 rounds for vessels carrying 1,000 men or more. 20,000 rounds for vessels carrying less than 1,000 men.	For vessels carrying unarmed details 60 rounds per rifle; complete boxes only to be carried. For vessels carrying armed units 200 rounds per arm on board.	
Bugles . . . . .	2 per ship . . . .	2 per ship.	
Strings, bugle and trumpet.	2 per ship . . . .	2 per ship.	
Oil, lubricating, G. S. pints.	2 per month during period of voyage.	2 per month during period of voyage.	
Flannelette . . yds.	25 (a)	25(a)	(a) Per month during period of voyage.
Handcuffs, common. prs.	(b)	(b)	(b) One per cent. of strength on board.
Clippers, hair . . . .	3 per ship . . . .	3 per ship.	
Scissors, haircutting prs.	3 per ship . . . .	3 per ship.	
Stretchers, ambulance	(c)	(c)	(c) One per ship.
Entrenching tools . .	Axes, pick, complete, 155 per vessel. Shovels, G. S. 236 per vessel.	Axes, pick, complete, 155 per vessel. Shovels, G. S. 236 per vessel.	

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9/99

No. 40 of September 1939.

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Paragraph 279—

In the “Remarks” column, *against* “Entrenching tools” insert “When ordered by A. H. Q.”

Case No. 33479/M. G. 9-B.

D. F. A. (O.) u/o No. 4880/R. P. of 1939.

D. D. Regr. No. 6276/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).

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280. The Embarkation commandant at the port of embarkation will be responsible for the submission of indents for the stores referred to in paragraph 279. The O. C. troops will satisfy himself that the authorised proportions of ammunition, arms, equipment and stores have been placed on board, and that the ammunition has been properly secured in the magazine.

### SECTION XXI.—MOBILIZATION EQUIPMENT.

281. Unit commanders who are in possession of mobilization equipment, will be responsible to the superior commander that it is kept in a complete and serviceable condition and fit for service and that the orders regarding custody and arrangement are carried out.

282. Mobilization equipment will be stored in accordance with the latest print of the appropriate W. E. T. No corrections, other than those of nomenclature authorised by I. L. Cs. are to be made in tables except under authority of the Government of India.

W. E. Ts. of the latest editions will be kept with the equipment of units, and units whose mobilization equipment is on charge of the Ordnance Corps will always have copies of these tables in their possession.

283. On mobilization being ordered, the W. E. T. will be the authority as regards the articles of equipment which a unit takes with it into the field. It is of great importance that not only the mobilization equipment of units, but also such of their peace equipment as is, according to the W. E. T., required for war, should be at all times complete and serviceable.

284. G. O's. C. will ensure by means of an annual inspection that all mobilization equipment and clothing, including that authorized for reservists, is complete, serviceable and suitably stored for ready issue. A certificate to this effect will be rendered in accordance with para. 405-B.

285. The following instructions are issued in connection with arms and accoutrements for reservists.

- (i) Arms and accoutrements required for the use of reservists on mobilization will normally be stored at the reserve centres detailed in Regulations for the Army in India, except in the case of Gurkha reservists, arms and accoutrements for whom will always be stored at Allahabad Arsenal.
- (ii) Where accommodation is not available at Reserve centres, the arms and accoutrements will be stored in deposit charge in the arsenal nearest the reserve centre until such time as the necessary accommodation is provided. For the procedure regarding deposit and withdrawal of stores, see para. 286.

- (iii) The O. C. Reservists will be responsible that the numbers of the stores in deposit are revised quarterly, or as may be necessary, to agree with the actual number of reservists to be equipped.
- (iv) Arms and accoutrements will be used for training purposes and will be maintained in a serviceable condition by officers commanding, reservists. After use and before being dispatched to arsenals, all equipment will be surveyed by the O. C., the unserviceable being replaced and the repairable repaired; the necessary precautions for preservation of the equipment will also be taken.
- (v) Equipment of reservists will not be transferred with the reservists unless the strength of one unit is to be augmented with a corresponding decrease in the other.
- (vi) On mobilization, a telegraphic demand will be sent to the C. O. O. or O. O. stating quantities required from deposits.

286. Stores forming part of the equipment of an unit will not normally be accepted for storage by the I. A. O. C. unless a certificate is rendered by the O. C. station that accommodation within the station is not available. Except in the case of Gurkha reservists, arms and accoutrements for whom will be stored in the Allahabad arsenal, arms and accoutrements for reservists will ordinarily be stored at reservists centres. These arms and accoutrements will be used for training purposes being maintained in a serviceable condition by the O. C. reservists. Stores placed in "deposit" will only be issued on the authority of the depositing officer.

Mobilization equipment and clothing of units, which is stored by the I. A. O. C. owing to temporary lack of accommodation in the unit, will be held on checked indents, issues being made on regular vouchers.

The following procedure will be adopted in respect of "deposit" transactions :—

- (i) Where stores have not been already issued by the I. A. O. C., the indenter concerned will submit indents for the stores which are to be placed in deposit. Indents will be prominently enfacéd "to be placed in deposit". (In the case of arms and accoutrements for reservists indents will be enfacéd "to be placed in deposit for reservists"). Regular vouchers will be prepared, together with three copies of I. A. F. O.-2393. The vouchers, and two copies of the form (one for the O. C.'s signature) will be sent to the O. C. who will return the voucher receipted with one signed copy of the form.



(ii) "When stores already issued by the I. A. O. C. are required to be placed in deposit, they will be returned accompanied by two copies of deposit vouchers (I. A. F. O.-2393) one copy of which will be returned receipted."

(iii) The C. O. O. or O. O. will place stores in deposit unpacked, each unit's equipment being kept separate, and will make arrangements to ensure that such equipment can be speedily issued on mobilization, *e.g.*, packages and packing material should be available.

(iv) When it is necessary to add to the number in deposit, the procedure in paras. (i) and (ii) above, where applicable, will be applied.

I. A. F. O. 2393 will be prepared to show the number already held in deposit, and in column 3 will be quoted the regular voucher number under which the additional stores are placed in deposit.

(v) When it is necessary to reduce the number in deposit, the O. C. unit, will send the necessary regular vouchers, for the numbers which are being returned to arsenal or depot stock, to the C. O. O. or O. O., who will receipt one copy of the voucher, after which the copies of I. A. F. O.-2393, with the O. C. unit and the I. A. O. C., will be adjusted accordingly (*i.e.*, reduced by the number or quantity returned to the I. A. O. C. on regular vouchers).

(vi) When it is necessary to issue the stores, the C. O. O. or O. O. will prepare three copies of I. A. F. O.-2393, two of which will be sent to O. C. who will return one copy receipted.

When returning the stores to "deposit" after use, the O. C. unit will prepare and dispose of I. A. F. O.-2393 in a similar manner.

In the preparation of I. A. F. O.-2393, care will be taken that the figures are adjusted as legislated for on the form (*e.g.*, when returning stores, column 2 will show the balance, if any, still in deposit column 3 the number being returned, and column 5 the total in "deposit", which figure should represent the total of columns 2 and 3).

(vii) If, on return of stores to 'deposit' after use, any are found to be unserviceable regular vouchers will be prepared by the receiving establishment, returning such stores to arsenal or depot stock, and I. A. F. O.-2393 amended as laid down in paragraph (v) above. Two copies of the regular voucher will be sent to the O. C. unit as authority to strike the stores off charge and amend I. A. F. O.-2393. The receipted copy of these vouchers will be retained by the unit in support

of the ledger entry striking the stores off charge, and the other 1 copy made over to the local audit officer for linking purposes. If replacement of the stores in deposit is necessary, the O. C. unit will submit an indent as in paragraph (i) above, quoting the arsenal regular voucher number and date as the authority. On receipt of the indent, the procedure will be as laid down in paragraph (iv) above.

- (viii) Annually at the end of March, the C. O. O. or O. O. will send two copies of I. A. F. O-2393, on which will be included all items held in deposit for the unit, to the O. C. who will check the correctness of this return and return one copy certified as correct (or otherwise).

287. Under orders from the district commander, the A. D. M. S. will arrange for the inspection, twice a year, of the equipment of the various field medical units allotted to his area. In the case of general hospitals, the inspection will be carried out in conjunction with the local ordnance, M. E. S. and R. I. A. S. C. officers concerned. The condition and readiness for service of these units will be reported on I. A. F. I.-1144.

288. When mobilization equipment is handed over to a relieving unit, vouchers will be passed in the usual manner and should any discrepancy exist full explanation will be afforded by the O. C. the outgoing unit.

289. The instructions for preservation of harness and saddlery will be followed for the harness and saddlery of mobilization equipment. Special attention should be paid that the harness and saddlery is kept properly dubbed and in good condition.

290. Unit commanders are responsible that the stores for cleaning preservation, and repair of mobilization equipment are actually in possession, and will sign a certificate to that effect at the end of the equipment ledger.

291. The scale of incinerator grids is given in Appendix 26.

292. The cost of repair or replacement of articles of mobilization equipment used without sanction will be debitable to the unit.

293. Ordnance mobilization stores, including stores held for internal security and defence measures, will be inspected by the officer in charge of the stores twice a year. Indents to replace unserviceable items will be submitted immediately, enfaced "Mobilization" in red ink.

Repairs and alterations *vide* I. L. Cs. will be carried out as far as possible by the unit. Items beyond units capabilities will be dealt with in accordance with para. 249.



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No. 140 of November 1940.

Paragraph 296—add in the table under “Bde. reserves of entrenching Tools” :—

Camouflage equipment.

Training poses.

pur.

Superior Commander.

Only 15 per cent. of that on unit charge will be used for training purposes. In cases where units (e.g. I. S. units) hold only 15 per cent. of the total authorised equipment, the whole 15 per cent. may be used for training.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).

Case No. 36953/M. G. 9-B.  
D. F. A. (O.) u/o No. 11213/O.-2 of 1940.  
D. D. Regr. No. 10929/C. R. S. of 1940.

294. Serviceable ordnance mobilization stores requiring turnover will be dealt with as follows :—

- (a) Turned over with peace equipment of the unit, or by arrangement with O. C. station, with the peace equipment of other units in the station.
- (b) Reported to C. O. O. or O. O., on I. A. F. Z-2098 as serviceable mobilization stores requiring turnover, who will if they cannot arrange turnover inform the A. D. O. S. P. A. Hqrs., sending a copy of the action taken to O. C. unit, D. A. D. O. S. of the district and A. D. O. S. of the command.
- (c) Deterioration in stock due to the stores not having been turned over will be referred on I. A. F. A-498 to the district or independent brigade area commander (G. O. C.-in.C. in the case of equipment in departmental charge), who will decide how the cost is to be adjusted.

295. A record of turnover and preservation will be maintained by the officer-in-charge, mobilization stores on I. A. F. O.-2496.

The turnover and preservation book will be handed over on relief, extracts being made as necessary in respect of stores accompanying the unit.

296. *Use of Mobilization equipment in peace.*—Articles of ordnance mobilization equipment may only be used in peace with the sanction of the M. G. O. except as shown in the following table or in the circumstances detailed in paragraph 297 :—

Articles.	Purpose for which use may be sanctioned.	Sanctioning authority.	Remarks.
Bde. Reserves of entrenching Tools	Training purposes	Brigade commander.	CS. 140 11/140
Ground sheets	Training camps, manœuvres, on the line of march and in stations with heavy rainfall on the recommendation of the medical authorities.	Superior commander.	Scales of issues :— One per man to all troops and class I followers. Demands on arsenals will be made to complete to this scale after taking into account any that may be held on charge as mobilization equipment.

Articles.	Purpose for which use may be sanctioned.	Sanctioning authority.	Remarks.
Ground sheets— ( <i>contd.</i> )	Training camps, etc.—( <i>contd.</i> )	Superior commander—( <i>contd.</i> )	<p><i>Scales of issues :—</i> The value of ground sheets lost through negligence or wilfully damaged, will be recovered from the unit or individual concerned at the undermentioned rates :— (i) Full value at stock book rates for sheets which have been in store under 6 years. (ii) Half value at stock book rates for sheets which have been in store over 6 years.</p>
Lines bedding]	Training camps, manœuvres and on the line of march.	Superior commander.	Not authorised for standing camps.
Water carts and connected equipment.	Training camps, manœuvres, line of march and for training in barracks of personnel in water duties.	Superior commander.	
Incinerator grids .	Training camps, manœuvres and on the line of march.	Superior commander.	
Stores of I. A. O. C. Supply held in Mob. reserves of engineer stores.	Training camps, manœuvres and on the line of march.	G. O. C.-in-C. of the command or (I.) district.	
Canvas tanks, canvas troughs and canvas water-bags for water supply which form part of the equipment of S. and M. units	Whenever considered necessary by the sanctioning authority.	District or Independent brigade commander.	

Articles.	Purpose for which use may be anticipated.	Sanctioning authority.	Remarks.
A. T. Carts and draught components.	Training of recruits in A. T. T. Coys. (Mule.)	A. T. T. Coy. (Mule) Commanders.	22 A. T. carts and 44 sets of draught harness per draught troop may be used within the units' lines.
Any other items of Mob. equipment of ordnance supply, and equipment in departmental charge.	Training camps, manœuvres and on the line of march.	G. O. C.-in-C. of the command or (I.) district.	
Any other items of mobilization equipment of ordnance supply and equipment in unit charge.	Training camps, manœuvres and on the line of march.	District or independent brigade commander.	

297. No deviation from para. 296 is permissible, except that :—

(i) In the event of local disturbances, "or any grave emergency in which time does not permit of a previous reference to the M. G. O. in India" G. O.'s C. are empowered to sanction the use of any equipment considered necessary to deal with the situation. Equipment required for this purpose will be found from—

(a) Working stocks.

(b) Reserves.

(c) Mobilization equipment

in the order named, and mobilization equipment will only be used for a unit other than that for which it is held in peace when requirements cannot be met from working stocks or reserves.

(ii) For mobile columns in covering troops, districts and areas [where not covered by sub-para. (i) above] the district commander may authorise the use, as and when required, of mobilization equipment.

298. *Repair and replacement of mobilization equipment.*—Mobilization equipment used in peace will be examined by a regimental board before return to the mobilization store or arsenal concerned. The equipment will be restored to a serviceable condition and returned to store as early as possible after completion of the service for which authorised.



The proceedings of the board of survey will be kept open until all action in regard to repairs and replacement has been completed; the O. C. unit will then certify to this effect on the proceedings and forward them to the superior commander.

The cost of repair or replacement of articles of mobilization equipment used for training purposes will be adjusted in accordance with Financial Regulations (India), Part II, Appendix IV.

The cost of repair or replacement of mobilization equipment used in connection with civil disturbances, mobile columns, punitive expeditions, etc., will be adjusted in accordance with such rules as may be issued at the time to govern the operations. Where such rules are not issued, repair or replacement will be carried out on a certificate from the sanctioning authority that the stores have been used for the purpose stated, and details will be reported by C. O.Os., to A. H. Q. (A. D. O. S. P.) to enable action for the provision of funds to be taken if this course is necessary.

299. The use in peace of articles of engineer supply, included in the mobilization equipment of units, will be sanctioned by the Q. M. G. in India. For the use of mobilization equipment of R. I. A. S. C., medical and veterinary supply, see Supply and Transport Regulations, India, Regulations for the Medical services of the Army in India, and Veterinary Regulations, India, respectively.

### SECTION XXII.—MACHINE GUNS.

300. The following table shows the distribution carriage, etc., of all barrels provided for Vickers and Lewis machine guns.

Machine Gun.	Number of barrels per Gun.			
	Field Army and Covering Force units.		All other units.	
	Peace.	War.	Peace.	War.
<i>LEWIS</i>				
In the gun . . . . .	1	1	1	1
In unit charge (spare) . . . . .	2(a)	1	2(a)	1
<i>VICKERS</i>				
In the gun . . . . .	1	1	1	1
In unit charge (spare) . . . . .	2(a)	1	2(a)	1

(a) The two spare barrels in unit charge are mobilization equipment and may be used in peace only on the following occasions:—

- (i) In replacement of condemned barrels to facilitate the completion of annual courses local instruction courses and demonstrations, and
- (ii) To meet requirements of a special or urgent nature.

One spare barrel will be carried in the spare barrel case and the other will be kept in store.

When mobilization orders are received, the worn barrel will be returned to ordnance charge, and replaced by one of the spare barrels.

Lewis gun barrels in store will have a well-greased dummy cartridge inserted in the chamber.

**301.** To avoid the damage which is caused to Lewis guns by constant stripping only such stripping as is necessary to keep the guns in good working order, or to remedy stoppages during firing is to be carried out.

The gas cylinder is to be cleaned without removing the body of the gas cylinder itself. The body and gas cylinder are only to be removed for inspection by, or under the supervision of, the armourer or to remedy a stoppage during firing when such stoppage necessitates their removal. To prevent 'seizing' of the threads of the gas cylinder, unit commanders will ensure that guns are specially examined by the armourer immediately on completion of field firing.

If it is found at the armourer's inspection that the cleaning of the gas cylinder without taking it down has resulted in damage, the armourer will at once bring it to the notice of the unit commander who will take action as laid down in Section XVII.

To avoid the inculcation of bad habits during preliminary training D. P. guns will be stripped with the same care as is exercised when stripping service guns. The practice of exercising men in stripping down a gun and re-assembling it as fast as possible is forbidden. In training all stripping is to be done for a specified purpose, *e.g.*, to clean the working parts, to replace a broken part, etc. Care of the gun is more important than speed.

When stripping a gun particular care will be taken that working parts are not placed where they will come in contact with dirt or grit.

**302.** Machine guns, mountings and spare parts on charge of regular units having an armourer will be examined monthly. In the case of regular units having no armourer, arrangements will be made by the unit commander to apply quarterly, if at an arsenal station, to the C. O. O., otherwise to the station commander, for the services of an armourer. A record will be maintained which will be produced at the annual inspection of arms by the C. C. M. A.

**303.** The examination of machine guns, mountings and spare parts on charge of Auxiliary Force (India) units will be carried out by one of the permanent subordinate instructional staff who has undergone a course in the repair of arms in an arsenal. In the event of the instructor finding himself in any difficulty, he will obtain the



aid or advice of a regular armourer, if available at the station, otherwise, the C. O. O. concerned will be consulted. A record will be maintained, as in the case of regular units and will be produced at the annual inspection by the C. C. M. A.

**304.** Service locks should not be stripped for instructional purposes. Lock springs of guns and spare locks should never be left compressed. Return springs of Lewis guns should always be left down when the guns are not in use. Magazines of Lewis guns, and belts of Maxim and Vickers guns will be inspected quarterly to see that they are serviceable, the belts being tested with the "Plug, belt" to ensure that the pockets are of correct size.

**304-A.** Adapters of Vickers guns will only be removed when they become unserviceable. New adapters will be correctly positioned and fitted by the regimental armourer. The positioning will be carried out by means of the test plug, which is authorised to be obtained "on loan", *vide* Appendix 32, Table 9.

In no other circumstances will adapters be removed from guns.

**304-B.** Two locks are issued with each Vickers gun, one to be kept in the gun and the other in the spare parts case; when a gun is sent for repair to an arsenal or the Rifle factory, both locks will accompany it.

2. Both locks of each gun will be used during firing practices, on alternate days, so as to maintain regularity of wear and ensure interchangeability without adjustment.

3. If at any time it is necessary to return a lock to arsenal for repair, the one received in exchange will be measured up on the .064-inch gauge in comparison with the second lock with the gun. Whichever lock is the longer will be used in the gun for all firing practices until it has reached the length of the shorter lock, when the procedure detailed in sub-para. 2 will be followed.

**304-C.** It is frequently found that the front cover of Vickers gun is fractured at the clearance for plunger front cover catch.

2. This damage can only occur by trying to close the cover when the catch, front cover, is in the locked position. Action will be taken to ensure that the catch is in the open position before attempting to close the cover.

3. Damage occurring to the gun, due to this cause, will, when the fracture becomes extensive or a piece is broken away, be considered as not due to fair wear and tear, and will be chargeable to the unit.

4. Small cracks are of no consequence and no action will be taken to exchange such covers; if doubt should exist, they will remain on the gun pending the C. C. M. A.'s annual inspection.

**305.** Sear springs before being assembled in the gun will be tested regimentally by means of a spring balance or a 5½ lbs. weight. Under this load the extension of the spring should not exceed .6-inch

Page 109—

No. 85 of December 1939.

Paragraph 306—

Lines 3 and 4, for “1931.....1 and 2” substitute “Volume I,  
Pamphlet No. 1, Appendix I”.

Line 14, after “must” insert “again”.

Delete line 15 and substitute “Volume I, Pamphlet No. 1, Appendix I”.

Amendment to E. Rs. (I.), Part I, Reprint, 1939.

Case No. 40823/A/M. T. 3.  
D. D. Regr. No. 9987/C. R. S. of 1939.

( $\cdot 5937$ -inch equals  $19/32$ nd of an inch). Springs which fail to pass this test will be exchanged in communication with the C. O. O.

**306.** When the shooting of any of the above guns, in possession of units, falls off or the barrel appears worn, the unit commander will have them tested as laid down in Small Arms Training, 1931, Volume IV, Chapter VII, Section 43, paras. 1 & 2. C.O. 85  
12/39

If the barrel fails to group into a square of twenty-four-inch side at 400 yards, the barrel will be noted inaccurate and a demand placed on the dependent arsenal for its replacement.

(NOTE.—For this test 10 single shots will be fired and the gun relaid after each round.)

The new barrel will be despatched by passenger train, and on its receipt the doubtful one will be returned to the arsenal accompanied by a diagram of the test carried out.

If after a new barrel has been fitted, inaccurate firing results are still obtained, the gun must be tested in accordance with S. A. T., 1931, Volume IV, Chapter VII, Section 43, para. 3.

Should the gun fail to group within a rectangle of 36 inches the gun will be noted inaccurate and a demand for replacement made on the dependent arsenal.

On receipt of the gun from arsenal the doubtful one will be returned together with the diagrams obtained during the test.

Before carrying out any of the above tests every precaution must be taken to ensure that the mounting is in good condition, loose or defective components being adjusted or replaced before the test commences.

**307.** When investigating cases of damage to machine guns, the description, place and date of manufacture of the particular cartridges in use at the time should also be recorded in the proceedings of the court of enquiry, which should be held whenever damage occurs. Unit commanders will take special care that all possible evidence is collected beforehand as to the ammunition used.

The preliminary enquiry should include the examination of the damaged guns and the cartridges in use, together with their wrappers charger cases or bandoliers, as the case may be. Reports will then, if necessary, be rendered in accordance with para. 229.

**308.** Unserviceable tangent sights, complete locks and feed blocks of machine guns will be returned by the I. A. O. C. to the Rifle Factory, Ishapore. Brass, or gunmetal unserviceable components will be returned to the arsenal on which dependent. Other unserviceable components will be broken up and written off.

**309.** To reduce the wear and tear of service ammunition belts, units and others may retain unserviceable belts and utilise the serviceable portions for making up belts for drill purposes.

The drill belts will be made under regimental arrangements in accordance with the instructions contained in Appendix 28.

**310.** Regimental armourers will re-brown Lewis and Vickers guns in possession of units, in accordance with the instructions laid down for re-browning small arms. If the materials authorised for such arms, under Appendix 14, are insufficient to provide for the re-browning of the guns, additional materials as necessary may be demanded. Units having no armourer will obtain instructions from the C. O. O.

**311.** Trigger guards and magazines of Lewis guns will be painted and not browned. Guns, mountings and metal boxes will be painted with "Khaki colour, special." For wooden boxes the ordinary "Khaki colour" paint will be used. Re-painting will be carried out regimentally.

**312.** The scale of paint allowed for 'Guns, Machine, Vickers and Lewis and Guns Hotchkiss and Maxim, and accessories' is given in Appendix 68.

**313.** Scales of machine gun equipment, materials for maintenance and machine guns for drill purposes are shown in Appendix 32.

**313-A.** Components necessary for the maintenance of D. P. machine guns and mountings will, as far as possible, be obtained by utilising components condemned as unfit for use in service guns or mountings, and failing this, from the I. A. O. C. Except in the case of components specified at Appendix 35, permission to retain components for maintenance of D. P. guns will be obtained on I. A. F. Z.-2098, from C. O. Os.

The amounts, field, .303-inch, M. G., Mk III on charge for use with D. P. Lewis guns will be maintained in a serviceable condition.

To avoid mixing them with service components D. P. components will be stamped "D. P." where space permits.

D. P. components of the Mk. I Vickers gun which are common to the Mk. IV-B Vickers gun and which are already on charge of units, may be utilised for instructional purposes with the latter gun. Special care will be taken to ensure that the D. P. components are removed at the conclusion of such instruction.

## SECTION XXIII.—MARKING OF EQUIPMENT.

**314.** All marking or remarking of arms, accoutrements, harness and saddlery and other equipment and ordnance stores in possession of units will be done regimentally without extra expense to the State. Stamps, paint, etc., required to carry out the work will be supplied free to the various services requiring them. The adoption of an unauthorised method of marking, or the employment of stamps differing from the standard patterns is forbidden.

Page 111—

Paragraph 315—

Line 10—

Delete "Extra issue".

No. 145 of January 1941.

Amendment to E. Rs. (I.), Part I, 1933

Case No. 37382/M. G. 9-C.  
D. F. A. (O.) u/o No. 15224/O-2 of 1940.  
D. D. Regr. No. 16698/C. R. S. of 1940.  
(Reprint 1939).



All marks on equipment will be renewed when necessary by units. Marking will be done by paid artificers of units as part of their duties, except the engraving of piccolos and flutes which are engraved locally.

314-A. Articles of mobilization equipment will not be marked in peace.

315. Stamps and stencils, ink, paint, etc., for the marking of articles of clothing and necessities will be obtained free on indent from the arsenal on which dependent. The annual scale of marking ink and paint required is shown below. "Ink Marking" will be used for all cotton and linen articles, Paint, prepared for use, marking textiles, black for woollen articles other than—

Blankets—

Barrack.

Hospital.

Extra issue. C2145  
1/41

and Paint, "prepared for use, marking textiles, white for these latter articles only.

NOTE.—The necessary stamps to carry out this work will be issued only to units which are not already authorised to have them and which do not already hold them on charge.

Units.	Scale per 800 men.			Remarks.
	Ink. Pints.	Paint black. lbs.	Paint white. lbs.	
British troops	6	4	4	In the case of battalions with a greater or lesser strength than 800 men the issue of ink or paint will be regulated in proportion to the actual strength.
Indian troops	5	4	4	
Followers	3	2	2	

316. The abbreviated titles of units to be used in marking small arms and regimental equipment are shewn in Appendix 39.

317. All stores should be indelibly marked, so that their origin may be traceable and that they may be readily recognised as government property. Wooden, metal, and leather articles should be marked with a stamp, and textiles with paint. When necessary, handles, handspikes, levers and articles used for manual labour may be lettered in paint with the distinguishing mark of the unit. Branding of accoutrements is forbidden.



**317-A.** Provisionally condemned stores (other than the technical stores referred to in para. 377) will be marked with a triangular stencil or stamp at the time of their provisional condemnation. Care will be exercised to use the stamp in such a way that the store is not damaged thereby.

**318.** Unserviceable articles which are sold complete, and all stores which are issued on payment and thus cease to be government property, will be marked with the unserviceable mark, i.e.,  
↓  
↑ before issue accordingly.

Stores returned to the I. A. O. C. as unserviceable will not, in any circumstances, be marked by units with the unserviceable mark.

**319.** In cases where the services of an armourer are not available for marking equipment, unit commanders, when indenting on the ordnance corps, will state the particulars of the unit marks and numbers that should be placed upon the articles.

**320.** Arms issued to replace others will be given the numbers of the articles replaced.

**321.** Instructions for marking vehicles are given in Appendix 40.

**322.** All vehicles manufactured or repaired in Indian ordnance factories are marked with the initials of the factory, numeral of pattern, year of manufacture, and the G. of I. mark. These marks are required in order to maintain a record of the history of each vehicle and will be renewed when necessary, stamps for the purpose being obtained on loan from arsenals. They will be quoted in all reports relating to the vehicles. Diagrams showing the marking of vehicles can be obtained from the Gun Carriage Factory, Jubbulpore.

**323.** In order that further charges may not be made at subsequent inspection, barrels of rifles and carbines found by C. C. M. A. to be cord-worn, will, if they are not unserviceable, be marked W\* by the C. C. M. A., those returned to ordnance establishments for store or repair and found in a similar condition, will be marked W\* in the establishment concerned.


**324.** With the exception of articles of equipment for man and horse, stores issued for the service of the troops are not to receive any indelible unit marks which would render them unfit for re-issue. Should it be found on such articles being returned into store, that they have been so defaced, the cost of the articles will be charged against the unit for whose use they were issued.

**325.** Articles of equipment supplied for temporary purposes will not receive unit marks.

**326.** The scale of material allowed annually for certain units for marking packages is given in Appendix 38.

*Insert new paragraph :—*

“ 318-A. Unserviceable stores which are re-issued or retained by units for purposes other than those for which they were originally intended will be

marked thus 

Case No. 30294/M. G. 9-C.

D. F. A. (O.) u/o No. 2854/O-2 of 1940.

D. D. Regr. No. 2906/C. R. S. of 1940.

Amendment to E. Rs. (I.), Part I, Reprint 1939.

## 327. Details of units markings of equipment.

Stores.	How carried out.	Detail of marking.
Arms . . . .	Regimentally . . . .	See Appendix 39-A and Instructions for arm-ourers (India).
Accoutrements . . . .	Do. . . . .	To correspond with arms. Buff leather and web accoutrements, also mess tin covers with black marking ink, other leather with iron stamps.
Bags, sea, kit . . . .	Regimentally, at cost of soldier.	Unit mark, soldier's number, name and destination.
Bicycles . . . . .	Regimentally . . . .	With white paint. Title of unit in roman letters, across the rear mud-guard 4 inches above bridge and on upper side of bottom tube, commencing just clear of the bottom lug of the ball head.
Extinguishers, fire . . . .	Do. . . . .	The handle of the extinguisher should be stamped with B. A. No. of the vehicles to which it is fitted.
Harness and saddlery . . . .	Do. . . . .	Squadron letter (battery number) and serial number of set.
Musical instruments . . . .	Do. . . . .	Engraved or stamped with small arms stamps. Unit mark, above and serial number below a line.
Tents . . . . .	Do. . . . .	Serial number of tent just below arsenal date of issue mark.
Tins, mess . . . . .	Do. . . . .	Engraved, or stamped with "Stamps, steel for metal" $\frac{1}{4}$ inch.
		<i>Mounted services.</i>
		Lid. . on the rim. Body . on the top edge.

Stores.	How carried out.	Detail of marking.
		<i>Dismounted services.</i>
		Lid . Centre of the back. Body . Back of the rim. Tins should be well supported by a smooth surface during the process of marking. Judgment will be used in delivering the blows so as not to cut the metal through.
Water bottle covers and carriers.	Regimentally . . . .	As for accoutrements. With marking ink, using stamps marking textiles, $\frac{1}{2}$ inch.
Web Equipment . . . .	Do. . . . .	As for other accoutrements "Stamps steel for metal $\frac{1}{4}$ " on the underside of brass tabs, where fitted and sufficiently large to take the stamp. On other articles "stamps marking textiles $\frac{1}{2}$ " as close as possible to the contractor's mark.
Whistles. . . . .	Do. . . . .	Stamped with small arms stamps. Unit mark on one side of the acorn and serial number on the other.

### 328. Details of marking of harness and saddlery in possession of units.

Name of article.	Position of marks.
Arm steadying carrier magazine . . . .	On front, at point end.
Attachments—	
Draught . . . . .	On short, connecting piece.
Head collar, H. O. . . . .	On last link of chain.
Bags, intrenching tools, I. P. . . . .	On front, top centre.
Bands back, H. H. A. . . . .	On end, link of chain.
Bands belly—	
H. H. A. . . . .	} On turnback of buckle piece.
P. A., I. P. . . . .	
P. G. S., I. P. . . . .	
P. M. G., Straps—	
Long . . . . .	} On chape, either end.
Short . . . . .	
Supporting . . . . .	On point.

No. 129 of September 1940.

*Page 114, paragraph 327—*

In column 3 *against* Web Equipment, *delete* the existing detail and *substitute* the following:—

“As for other accoutrements. Stamps Marking Textiles 1/2-inch as close as possible to the contractor's mark.”

Case No. 37382/M.G.9-C.

D. F. A. (O.) No. 7684/O.-2 of 1940.

D. D. Regr. No. 8027/C. R. S. of 1940.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).



Name of article.	Position of marks.
<b>Bits—</b>	
Bridoon . . . . .	On inside of tee.
P. G. S., I. P. . . . .	} On inside of ring.
H. M. D., I. P. . . . .	
<b>Portmouth—</b>	
B. G. . . . .	} On off side check piece.
Reversible . . . . .	
Boots, poultice, I. P. . . . .	At rear, below 'V' cut.
Boxes, P. T. artificers, I. P. . . . .	On front below hasp.
<b>Breastplates—</b>	
B. G., I. P. . . . .	} On short connecting pieces.
S. O. . . . .	
S. U. . . . .	
<b>Breechings—</b>	
H. H. A. . . . .	On leather lay between keepers.
H. O. . . . .	On point either end.
H. P. D., I. P. . . . .	} On leather lay between keepers.
H. P. D. . . . .	
P. A., I. P. . . . .	On chape, either ends.
P. A., I. P., special . . . . .	On lay between rivets.
P. C., I. P. . . . .	} On chapes either end.
P. G. S., I. P., Mk. II . . . . .	
P. G. S., Mk. V . . . . .	
<b>Bridles—</b>	
<b>Mouthing—</b>	
Bits . . . . .	On checkpieces, inside.
Heads bridle . . . . .	On points of head pieces.
Reins . . . . .	Centre at splice.
<b>Snaffle, I. P.—</b>	
Bit . . . . .	On rings, inside.
Heads bridle . . . . .	Points of head piece.
Reins . . . . .	Centre near buckle.
Snaffle, Straps bit . . . . .	On point.
Watering reins . . . . .	Centre at splice.
<b>Bucket—</b>	
<b>Gun, V. B.—</b>	
Near . . . . .	} On front of arm.
Off . . . . .	
<b>Lance—</b>	
Straps . . . . .	On point.
<b>Rangefinder, cavalry</b>	} On front of arm.
<b>Rifle—</b>	
Mark II . . . . .	
Signalling flag . . . . .	At top of back.
Tool . . . . .	On front of arm.
Tripod, stand . . . . .	On point of straps.
Cap, Knee, horse . . . . .	
<b>Carrier—</b>	
Line gear, P. M. G., I. P. . . . .	On front between buckles
Magazine . . . . .	On lid near Q. R. link.
<b>Cases—</b>	
Accessories, Lewis, I. P. . . . .	On front of lid at centre.



Name of article.	Position of marks.
Horseshoe—	
S. O. near, Mk. III . . . . .	} On centre of back.
S. O. off, Mk. II . . . . .	
S. U. I. P. . . . .	
S. U., with sword frog, I. P. . . . .	
Pioneer equipment, P. C.—	
Near . . . . .	} On lid between the buckle pieces.
Off . . . . .	
Spare barrel, V. B. .303" M. G. . . . .	Front below 'Chapes carrying dees'.
Cavison . . . . .	Point piece, of head piece.
Clippers—	
Horse . . . . .	} On arms below wooden handle.
Mule . . . . .	
Collar—	
Breast—	
H. O. . . . .	On point, straps.
H. P. D., Mk. III . . . . .	On leather lay between tug and rivet.
P. A., I. P. . . . .	} On chape at either end.
P. C., I. P. . . . .	
P. G. S., I. P. . . . .	
P. G. S., Mk. V. . . . .	
H. M. D., I. P. . . . .	
Head—	
P. A., I. P. . . . .	} On jowl pieces.
P. camel, Mk. II . . . . .	
P. G. S., I. P. . . . .	
S. O., Mk. II. . . . .	
S. U., Mk. IV . . . . .	
Headstalls, S. C. . . . .	
Combs, curry . . . . .	On back.
Covers—	
Collar—	
Pad, Mk. II . . . . .	On front.
Gun, Lewis . . . . .	On chape carrying 'Q. R.' link.
Gun, Vickers . . . . .	On release straps.
Gun, V. B. . . . .	On cap of barrel portion.
Pad, P. A., I. P. . . . .	Front centre at top.
Pad, P. G. S., I. P. . . . .	Near side between patches.
Cradles, neck . . . . .	On bamboo.
Crosstrees, automatic . . . . .	On leather lay between rings.
Cruppers—	
B. G. . . . .	On body below buckles.
P. A., I. P. . . . .	On body, between buckle and loop.
P. camel . . . . .	On leather chape.
H. H. A. . . . .	} On body below buckles.
S. O. . . . .	
S. U. . . . .	
P. B. S., I. P. . . . .	
P. G. S., Mk. V . . . . .	On lay behind keeper.
	On body below dock and pointsof straps.
Dundersticks . . . . .	On bamboo.
Flaps, protecting, P. A., I. P. . . . .	Top at centre.
Frog, butt rest . . . . .	Back of loop.
Girths, breaking . . . . .	On lay between keepers.
Girths (all) . . . . .	All leather girths, at either end near buckles, all web girths, on leather chapes, either end.
Girths, S. U. Mk. II, piece extending . . . . .	On body near buckles.

Name of article.	Position of marks.
Hangers— Gun sling . . . . . Tripod sling . . . . .	} On front of wooden bar.
Heads Bridle— S. O. . . . .	On point pieces of long part and turn-back of buckles pieces.
Heads— Bridle— S. U. Bridoon, P. G. S., I. P. . . . .	} On point pieces of long part and turn-back of buckle pieces.
Headstalls, G. S. . . . .	On jowl piece.
Hobbles, large and small, Mk. II, clip spring. Hobble 'A' . . . . . Hobble 'B' . . . . . Hobble 'C' . . . . . Hobble 'D' . . . . .	On body of hook. } On point pieces and buckling pieces.
Hobbles with cross strap— Buckle pieces . . . . . Point, piece . . . . .	} On point strap.
Ropes with chain . . . . .	On end link.
Kajawahs, ambulance— P. Camel— Collars breast . . . . . Crupper . . . . . Girth . . . . . Saddle . . . . .	} On leather chapes. Near side of front and rear arches.
Mule cable, P. G. S., I. P. . . . . Mule crowbar, P. G. S., I. P. . . . . Mule, mamooties, P. G. S., I. P. . . . . Mule forge, P. G. S., I. P. . . . .	On front pieces of straps. } On top wooden rail.
Leathers stirrup, S. U. . . . .	On point.
Leggings— Drivers, Mk. II . . . . . Machine gunners . . . . . Machine gunners, Mark II . . . . .	On body, top at back. } On top of leather portion.
Machine horse clipping . . . . .	On tubular part of stand.
Martingale— Breastplate, I. P. . . . . Running . . . . . Standing . . . . .	} On point pieces.
Muzzles horse . . . . .	On point strap and buckling pieces.
Neckpieces, polebar . . . . .	On release straps.
Numnah, sowar, B. G. . . . .	On leather patches.
Pads collar, Mk. II . . . . .	At either end.
Pads driving, breaking . . . . .	At either point strap.
Pads, girth P. A., I. P. . . . .	On leather loops.
Pads roller, G. S. . . . .	On centre at back.
Pannels (all) . . . . .	All pannels with a leather back at top centre of back.
Racks— Box carrier, magazine, Lewis . . . . . Box belt ammunition . . . . . Intrenching tools, I. P.— Bearers . . . . . Flaps . . . . .	} On back between carrying dees. On wooden portion. Top of flaps between straps.
Reins bearer, crosstree . . . . .	As for straps.

Name of article.	Position of marks.
Reins bit, S. O. . . . .	} On centre of hand part, near buckle or splice.
Reins bit, S. U. . . . .	
Reins bridoon, P. G. S., I. P. . . . .	
Reins, driving, H. M. D., I. P. . . . .	
Reins driving, long . . . . .	
Reins leading, P. A., I. P. . . . .	} On pipe.
Reins rubber . . . . .	
Reins running, riding . . . . .	
Reins, web, driving, breaking, I. P. . . . .	
Rollers, G. S. . . . .	
Rollers, P. A. . . . .	As for straps.
Ropes, baggage, P. G. S., I. P. . . . .	On billets.
Saddles ambulance, P. G. S., I. P. . . . .	On leather chape either end.
Saddles, H. H. H. . . . .	On point strap.
Saddles, P. and D., P. G. S., I. P. . . . .	On leather connecting piece.
Saddles, P. A., ammunition and Q. F. 3·7	On near tree.
Howes, (all types)	On front of wood trees.
Saddle, P. Camel . . . . .	On near tree.
Saddles, P. M. G., I. P. . . . .	On near tree.
Saddles, riding S. C. . . . .	} On front of front arches.
Saddles, S. and M., P. G. S., I. P. . . . .	
Saddles, S. O. Mk. V . . . . .	} Near trees.
Saddles, S. U. patt. '02 I.P., Mk. III . . . . .	
Securors, tripod . . . . .	} On near flap top left corner.
Slings horse Veterinary hospital, Mk. II—	
Bodies . . . . .	} On point of strap.
Breechings. . . . .	
Breastplates . . . . .	} On leather portion covering wood.
Straps connecting . . . . .	
Suspenders, breeching . . . . .	
Suspenders, breastplate . . . . .	
Stirrups, steel . . . . .	
Straps (all sizes) . . . . .	On chape either end.
(NOTE.—Where straps have buckling pieces such as 'straps lashing saddles	On lay near 'dee with chain'.
Q. F. 3·7 How. they will be stamped near the buckle.)	On point.
Surcingles, B. G. . . . .	On leather patches.
Surcingles, Lewis . . . . .	On turn back.
Surcingles, P. G. S., I. P., Mk. II . . . . .	On bottom of footplate.
Surcingles, S. O. . . . .	On point.
Surcingles, S. U. . . . .	} On body strap end.
Suspender, carrier, magazine . . . . .	
Traces wire—	} On leather portion near hook.
H. M. D., I. P. . . . .	
Long . . . . .	
P. A. . . . .	
P. A., I. P., . . . . .	
Short . . . . .	} On release strap.
Trees, P. G. S. . . . .	
Trees, P. M. G., cavalry, (all types) . . . . .	} On end of pipe.
Tugs . . . . .	
Wallets, S. O., Mk. IV . . . . .	On release strap.
Wallets, S. U., Mk. III . . . . .	On end of pipe.
Whips (all types) . . . . .	On near trees.
	As for straps.
	} On back either side.
	On stocks.

N. B.—All leather work to be marked on the grain side. It should be marked slightly with a blunt stamp, care being taken that the surface of the leather is not cut through in the process.

The marking is not to be done over any other marks, e.g., manufacture's inspection and arsenal, which are already on the articles about to be marked, as those marks are put on in order that their origin may be traceable, and must not be obliterated.

Insert the following new paragraph :—

“ 333-A. Q. F. 18-pr. guns may, when authorised by O. M. Es., be decoppered by the use of specially prepared decoppering rounds.”

These rounds will be made up locally as follows :—

- (i) Place the round on a bench or other suitable support with the base of the cartridge projecting over the edge, and remove safety clip.
- (ii) Using “ Key No. 27 ” remove the primer.
- (iii) Insert a wooden spatula through the primer hole and displace the charge sufficiently to allow about 12 drams (four strips, 18-in. long, 1-in. wide and about .002-in. thick) of tinfoil to be fed into the side of the case.

Notes :—

- (a) The spatula should be made up from a piece of hard wood, 8-in. long, tapering in width from 5/8-in. to 1/2-in. and in thickness from 3/16-in. to 1/32-in. at its narrowest end.
- (b) Care should be taken to ensure that no tinfoil remains directly under the primer.
- (iv) Using “ Key No. 27 ” replace the primer; replace the safety clip.
- (v) Stencil ‘ DEC ’ in paint on the side of the case if the round is not to be fired immediately.

The quantity of tinfoil required will be issued by Ordnance under the authority of an O. M. E.

Case No. 42699/M.G. 1-B.

D. F. A. (O) U. O. No. 14101/O-2 of 1942.

Amendment to E. Rs. (1), Part I, 1939 and Reprint, 1941.

Page 119—

Paragraph 333, line 8—

Delete “:—” and insert:—

“, except in those cases where the word “FOIL” is stencilled on the cartridge when only half the quantities will be used”.

Case No. 4373/M. G. 1.

D. F. A. (O.) u/o No. 42/R. P. of 1940.

D. D. Regr. No. 1182/C. R. S. of 1940.

No. 110 of April 1940.

amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).

2.75" gun

and they will continue

The gunner who

his left arm from



## SECTION XXIV.—CARE AND PRESERVATION.

329. The bores of all B. L. and Q. F. guns and howitzers in fort armaments and defensive posts, whether kept under gun sheds or tarpaulins, will be coated with a mixture of 95 parts mineral jelly to 5 parts of bees-wax.

Annually the mixture will be removed, and after ascertaining that the bores are free from rust, they will be re-coated, care being taken to first clean off the old mixture, where it has become clogged with dust or grit. If, in applying the mixture, it be found too stiff for convenient application, it should be warmed until a suitable consistency.

330. The following annual scale of mineral jelly mixture per gun or howitzer actually in defences is allowed :—

	Oz.
B. L. 6-inch 25 cwt. howitzer . . . . .	16
B. L. 5-inch howitzer . . . . .	12
Q. F. 4.5-inch howitzer . . . . .	12
Q. F. 18-pr. gun . . . . .	12
B. L. 15-pr. gun . . . . .	10
B. L. 10-pr. gun . . . . .	6

331.

332. Where the guns in defences are kept under tarpaulins, the breech blocks and sights will be removed and kept in a guard room or under similar cover.

333. Guns may be decoppered by the use of tin foil (60 per cent. tin and 40 per cent. lead). The tin foil, if placed in a gun along with a cartridge, will fuze, allowing the tin to combine with any copper present and thus forming a brittle alloy which will be swept away by the driving band of the next projectile. Whenever it is considered necessary to decopper a gun, strips (1" × 27") of tin foil will be issued under the authority of an O. M. E. The quantities to be used per round are as follows :—

	Strips.
7.5" gun . . . . .	16
6" gun (full charge) . . . . .	24
6" gun (reduced charge) . . . . .	14
60-pr. gun . . . . .	8
2.75" gun . . . . .	1½

and they will continue to be used until all the coppering disappears.

The gunner who inserts the tubes will carry a supply of strips over his left arm from which the requisite number can be taken and put in the chamber behind the projectile and in front of the cartridge. The strips must not be forced into a compact mass but should form a bundle about the same diameter as that of the cartridge.

Howitzers, as a rule, are not subject to coppering.

333-A

C. 193  
11/42

C. 110  
4/40



**334.** Instructions for the inspection of recoil systems are contained in paras. 252 to 261 of "Regulations for the Care and Preservation of Artillery Equipment (1930)."

All carriages in India fitted with air recuperators will be pulled back *once a week* to agitate the liquid and clean the interior surface of cylinders.

Carriages with spring recuperators will be pulled back not less frequently than once a month.

**335.** Rouge will be issued for removing slight roughening of the interior surfaces of recuperators, and hydraulic buffers of artillery carriages at the scale of 2 ozs. per carriage and spare recuperator. The operation of polishing will, however, only be carried out under the supervision and the orders of the O. M. E. during his annual inspection.

**336.** The grease boxes of all vehicles in store or not in use should be kept filled.

**336-A.** Carriages, limbers, etc. in store having wheels fitted with rubber pads will have one pad of each wheel removed and a hardwood dummy pad fitted in its place, secured by bolts passed through the existing holes in the felloe of the wheel.

The rubber pad removed, together with its securing bolts or studs, etc., will be securely lashed to the wheel in such a way as to be readily available for refitment before issue of the vehicle. During the whole period of storage no rubber pad of the wheel will be allowed to bear any of the weight of the vehicle or rapid deterioration of the rubber may ensue.

The necessary hardwood pads and fixing bolts will be made up locally. The dummy pad should be about  $\frac{1}{4}$ -in. shorter than the rubber pad in order to avoid contact with the adjoining pads.

02141  
11/40  
**337.** Vehicles in possession of units or held in ordnance charge should always be complete with the authorised proportion of components and accessories, spareparts, and vehicle equipment.

**338.** General service and limbered general service wagons on charge of units in barracks are to be kept under cover when not out on parade or fatigues.

**339.** Nos. 17 and 18 draught poles and No. 3 supporting bars are issued to units unpainted. The scale of raw linseed oil for their preservation is shown in Appendix 24.

**340.** Government bicycles of G. S. or trade pattern are to be used on military duty or for service connected with the military requirements only. Unit commanders will arrange for all bicycles on peace charge to be inspected weekly by an officer, in order to ensure that the bicycles are properly cleaned and looked after and that all deficiencies and serious damage are duly investigated at once and that the responsibility for them is fixed.

Paragraph 340—

Add the following note at the end of this paragraph :—

“NOTE.—The foregoing instructions do not apply to the bicycles held on charge of the M. E. S.”.

Case No. 34260/M. G. 7-A.

D. F. A. (O.) Dy. No. 6297/R. P. of 1939.

D. D. Regr. No. 8006/C. R. S. of 1939.

F. Rs. (I.), Part I, Reprint, 1939.

SECURITY.

Ref. No. D56351-A/11/40.

AMENDMENTS TO REGULATIONS FOR THE EQUIP-  
MENT OF THE ARMY, PART I (Provisional), 1933,  
Reprint 1939 only.

GOVERNMENT OF INDIA,  
DEFENCE DEPARTMENT;

New Delhi, the 7th November 1940.

*Insert new paragraph :—*

“ 336-B. *Water tank lorries, trailers and carts.*—The following procedure will be adopted in respect of the filtration equipment of the above-mentioned vehicles, when the apparatus is not in use :—

- (i) Loosen the wing nuts on the top lid of the tank, to relieve pressure on the washer and to prevent condensation.
- (ii) Loosen the wing nuts on the covers of the clarifying cylinders, to relieve the pressure on the large leather washer.
- (iii) Remove the rubber washers from the clarifying cylinders and store in french chalk.
- (iv) Treat the clarifying cylinder cover leather washer with dubbin. If the cover washer is made of rubber remove and store as in (iii) above.
- (v) Dry the interior of the water tank and clarifying cylinders.
- (vi) When water tank vehicles, carts or trailers are laid up for any length of time, the pumps will be dismantled, the leather cup washers treated with dubbin, and the pumps re-assembled. This operation will be carried out every six months during which the vehicles and trailers are not used.”

No. 69 of October 1939.

Page 121—

Paragraph 340—

Add the following note at the end of this paragraph :—

“NOTE.—The foregoing instructions do not apply to the bicycles held on charge of the M. E. S.”.

Case No. 34260/M. G. 7-A.  
D. F. A. (O.) Dy. No. 6297/R. P. of 1939.  
D. D. Regr. No. 8006/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, Reprint, 1939.

No. 148 of March 1941.

Page 121 -

Paragraph 343, line 3.-

Delete "made."

Insert

"obtainable from the I.A.O.C. on payment.  
In the event of supplies not being obtainable  
from the I.A.O.C. dubbing may be made up locally."

Case No. 37446/M.G.9-C.

D.F.A.(O) u.o. No. 16052/0-2 of 1940.

D.D. Reg. No. 18328/C.R.S. of 1940.

Amendment to E.Rs.(I), Part I, Reprint, 1939.

When a bicycle is allotted for the common use of orderlies a particular soldier will be detailed to look after the bicycle. It will be part of his duty to report in writing, at the end of each day, any damage or loss which has occurred, whether caused by himself or any other person.

The result of the officer's weekly inspections and of any subsequent investigations arising from them and also the result of the armourer's weekly examination as laid down in Chapter II, "Instructions for Armourers (India), 1936", will be entered in a log book (I. A. F. O-2495) to be kept for that purpose and signed by the officer making the inspection.

Transfer of machines between individuals will also be recorded in the log book. One log book will be maintained for all bicycles.

The book will be produced for the information of the C. C. M. A. at his annual visit and will also be sent to the D. A. D. O. S. of the area every year for inspection, unless already seen by him on his visit to the unit.

*note* 341. Detailed instructions regarding the care, preservation and repair of service bicycles are contained in the "Handbook on Military bicycles" a copy of which will always be carried in the tool bag of the machine to which it belongs. The registered number of the bicycle and the name of the individual in charge of the machine will be entered in the handbook. C269  
10/39

When bicycles are despatched by rail they will be crated and protected against damage by the use of old cloth or paper coverings to preserve the enamelling and bright portions. Components which are liable to be removed during transit, e.g., pedals, lamps, bells, etc., will be despatched in a separate closed package.

342. Material for the preservation of leather accoutrements in possession of troops will be provided under regimental arrangements.

343. Brown leather accoutrements, except bayonet scabbards, should be cleaned with yellow soap and preserved with dubbing made of mutton tallow 10 ounces, pure bees-wax 6 ounces and camphor 3 drams, mixed over a slow fire. C2148  
3/41

When brown leather accoutrements require to be cleaned from dust and dirt, they should be washed with yellow bar soap and water, and dried in the shade.

Bayonet scabbards should be cleaned with bees-wax only, which preserves and polishes the leather.

344. Black leather accoutrements should be dubbed occasionally, and polished with blacking and heel ball. Such parts of black leather accoutrements as would show brown when in use may be blackened with ordinary blacking but no other coloured matter, except as provided for in para. 345, is to be used.



**345.** The wearing of black accoutrements by British and Indian infantry rifle battalions is optional, but no units, which has elected to wear black or brown accoutrements in the past, will be allowed to change again without special sanction of Army Headquarters.

Units which have elected to wear black accoutrements, are permitted to blacken their brown leather accoutrements regimentally without expense to the State.

The articles should be rubbed over with a cloth moistened with kerosene oil to remove the grease from the surface, after which a coat of Indian Black, H. B. dye, should be applied. When blackened, apply a thin coating of dubbing and hang up in a cool place to dry. When dry, they will be ready for polishing.

The dye used should consist of 6 ozs. of Indian Black, H. B., to 1½ gallons of water per 100 sets of accoutrements. About 1 gallon of kerosene oil is required. Indian Black, H. B., can be obtained from the Imperial Chemical Industries (India), Ltd., Cooks Buildings, Hornby Road, Bombay.

**346.** The use of a hard scrubbing brush for the purpose of cleaning web equipment is forbidden. Dirty web equipment should be sponged with soap and warm water and afterwards rinsed in clean water and then thoroughly dried. Dusty or muddy equipment, when dry, should be brushed with only clothes brush.

When all dirt, mud and dust have been removed, apply such cleaning materials as are known to be harmless. These cleaning materials should only be obtained from regimental institutes or stores.

To remove oil and grease stains, a little turpentine should be applied and the webbing then scrubbed with soap and warm water using a brush that is not too hard. This operation should be supervised by a responsible person.

**347.** Instructions for cleaning the bore of the .22" rifle so as to preserve the weapon's accuracy at a high level for training purposes, are contained in Small Arms Training, Volume I. The loss of accuracy in .22" rifles is almost invariably due to neglect and lack of care in cleaning. On conclusion of firing, .22" rifles will be cleaned without delay and inspected by an officer. These rifles will be treated with the same care as service rifles.

**348.** Camp kettles and steel washing basins before return to store after use are to be cleaned by boiling with a 5 per cent. solution of soda ash and rinsed. All rust should then be removed with wood ash or sand. The kettles and basins should then be thoroughly rinsed and dried and coated lightly with mineral jelly inside and out to protect them from rust. It is not necessary to repaint camp kettles from which the lacquering has been worn off.



No. 189 OF SEPTEMBER, 1942.

*Page 122 (132 of the 1941 reprint)—*

*Insert following new para. :—*

“ 346-A. Dirty or greasy chin straps on steel helmets should be washed in warm, soapy water and then thoroughly rinsed in clean water to remove all traces of soap. In no circumstances will khaki blanco or similar cleaners be applied to these chin straps.

Case No. 26679/CGI (2).

D. F. A. (O-2) u/o No. 9443/O-2 of 1942.

Amendment to E. Rs. (I), Part I (Reprint 1939 and 1941).

No. 29 of August 1939.

*Page 123—*

*Paragraph 351, in line 2 for “ Mks. IX and X ” substitute “ Mks. IX, X ” and XI.”*

Case No. 29588/M. G. 9-D.

D. F. A. (O.) u/o No. 4000/R. P. of 1939.

D. D. Regr. No. 5461/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).

**349.** To prevent the injury caused by damp and mildew, blankets, nosebags, sheepskins, canvas and leather buckets, canvas, linen, cotton, woollen, or leather articles which have become wet in use, will be thoroughly dried and cleaned by the troops before being returned into store.

**350.** Ground sheets when utilized for packing kits will have the rubber side placed innermost and will not be unduly exposed to the sun. A cool dark place will be used for storage, and although storage in original packages does not lead to undue deterioration, this will be less if the bulk are stored flat one over the other, not more than 250 high.

**351.** Soapstone, ground (coarse) for the preservation of ground sheets other than Mks. IX, ~~and X~~, and XI, may be demanded from the I. A. O. C. at an annual scale of 2 ozs. per ground sheet on unit charge. Units stationed in Waziristan may demand double this scale.

Soapstone, ground may also be demanded annually from the I. A. O. C. for the preservation of "Apparatus, aerial signalling, strips and ground indicators" at the following scale:—

Cavalry Regiments	lbs.
Batteries, R. A.	2
Infantry Battalions	5
Signal units	5
	4

**352.** The water-proof covers at present in general use in the service are wax-proofed. To prevent spontaneous combustion and deterioration of the canvas, considerable care will be exercised in the storage of water-proof covers.

When water-proof covers are subject to pressure, a certain amount of heating, which causes deterioration of fabrics, takes place. To obviate this as far as possible the covers, if stacked, should be turned over not less than once a week during the hot weather and once a month during the cold weather.

Covers treated with linseed oil should be suspended from the roofs of store rooms with an airspace between each.

All water-proof covers are less liable to deterioration if they are suspended. This, however, is seldom practicable. In all cases where storage space is limited, wax-proofed covers must either be hung unfolded over wooden bars or stacked on wooden racks or gratings with as few folds as possible.

**353.** Paint prepared for use, in hermetically sealed tins, should be turned over periodically. Such paint, in open tins, should be stirred up weekly.

If oil be lost by evaporation, it will be made up by adding boiled linseed oil. Six months' requirements of boiled oil for this purpose may be purchased locally, not exceeding 1 lb. of oil for each 40 lb. of paint, and its cost recovered on contingent bills, provided it cannot be obtained from the ordnance corps.

Paint which has consolidated may be made fit for use by re-grinding on a smooth stone, boiled oil and turpentine in the proportion of 4 parts to 1 being mixed with it.

2018  
7/30 353 354. Inert cells, on receipt, should be stored in the coolest and driest available place in the original sealed metal lined cases in which received, until required for use.

All loose cells in stock should be stored in S. A. A. boxes or other metal lined cases available and sealed, after ensuring that the terminals are not in contact with the metal lining.

To avoid deterioration and exposure of cells in stock, C. O. Os. will make local arrangement for units to submit indents at regular intervals so that as far as possible complete sealed cases may be issued or when this is impracticable complete cases may be opened and the contents issued forthwith.

355. When cells inert "S" are used as external batteries in lieu of dry batteries waxed paper will be used for insulation purposes.

The waxed paper will be prepared locally by units, and is authorised on the following scale:—

Wax, paraffin, white	.	.	.	.	.	1 oz.	} per 12 cells in use.
Foolscap paper	.	.	.	.	.	3 sheets	

The wax will be supplied by the I. A. O. C., the foolscap paper being purchased locally.

356. Ropes, heel, will be stored in an untreated condition, but before being taken into use will be treated regimentally with creosote, which will be obtained from the arsenal dependent at a scale of  $1\frac{1}{2}$  pints per 10 heel ropes. The creosote will be applied by hand with a pad of cotton waste or rags, as sparingly as will suffice to thoroughly impregnate the rope without saturating it. Whenever practicable, the treated ropes may be allowed to dry before taking into use, in order to prevent the staining of clothes and other articles by contact.

357. Wooden half-wroughts are at all times to be covered with a plaster of mud and cow-dung, especially the ends and wherever the cross grain is exposed.

358. Mineral acids, ether, ammonia and spirits will always be carefully opened and examined away from other stores. If the bottle in which the fluid is contained is found broken, it should be buried after the cause of the damage has been ascertained. If intact and in good order, it should be carefully repacked and stored with the pent top upwards, and in a separate room if possible.

No. 18 of July 1939.

Page 124—

Insert new paragraph:—

“353-A. *Ink Marking*.—Containers should be kept tightly stoppered to prevent evaporation and before using the ink the container should be well shaken.”

Case No. 14180/M. G. 9-C.

D. D. Regr. No. 5077/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).

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**359.** The use of oxalic acid or other injurious materials for cleaning equipment is strictly forbidden.

**360.** Care must be taken to protect the bottom plates of horse clippers from blows. These are made of hard steel and are consequently brittle. Hand clippers must be kept in the case when not actually in use.

**361.** Instructions for working, care and preservation of searchlights are embodied in the "Handbook of Searchlights Portable, Oxy-Acetylene, 16-in and 20-inch". One copy will always be maintained with each searchlight; and these instructions carefully perused and carried out by personnel working searchlights.

When searchlights are not in regular use they will be tested and cleaned at least once a month.

So far as possible, only trained personnel should handle searchlights. In cases where this is impracticable arrangements will be made by G. Os. C. districts for personnel detailed to handle searchlights, to be instructed in working, care and preservation before assuming charge.

Good storage accommodation should be provided for searchlights when not in use.

**362.** Storage of anti-gas respirators in unit charge.

(i) Storage in respect of army, A. F. I., I. T. F. and certain I. S. F. units will be carried out in accordance with the instructions contained in the Indian Supplement to 'Defence against Gas, 1935.'

(ii) Storage in respect of R. A. F. units will be carried out in accordance with the current R. A. F. Order (India).

**363.** The player in whose care flutes and piccolos are placed will carefully wipe the joints and bore with an oiled rag or brush once or twice a week. The oil will not be put on too thick; a slight gloss in the bore is all that is required. After use, the moisture will be wiped away from the joints and bore, and when perfectly dry inside, an oiled rag or brush will be passed through the bore. To protect the wood from splitting, the instrument will not be placed in the sun, nor laid on cold stone or iron while warm or wet inside, and the cleaning rag will not be forced through the bore.

**364.** Surveying, mathematical, drawing, telegraph, and telephone instruments are not to be smeared with oil or mineral jelly. These instruments are mainly constructed of gunmetal or brass and are lacquered or otherwise protected; it is therefore only necessary to wipe them over carefully with a slightly oiled soft rag, finally removing all oil. No great amount of force should be used.

**365.** For the instructions for the care and preservation of range-finding, optical and scientific instruments, see Appendix 51.



**365-A.** In order to close up surface cracks, all chopping blocks in I. A. O. C. charge will, when required for issue, be soaked for a period of seven days, with the chopping face downwards, in a depth of about 4 inches of a solution of common salt in water— $1\frac{1}{2}$  lbs. of ground salt to one gallon of water.

2. Units will repeat the treatment on receipt of the blocks if the cracks have opened up during transit, and subsequently whenever necessary. Soaking in the solution all night once a week should keep the blocks in good condition.

3. Blocks which have not been treated as laid down above will not be condemned on account of surface cracks.

**365-B.** Gas cylinders will not be clamped in such a manner as to damage them. They will be handled with care to avoid denting and only wooden chocks will be used when the cylinders are in transit or in use.

The despatch of these cylinders by rail is governed by Red Pamphlet No. 13, Schedule II, Serial No. 104.

## SECTION XXV.—INSTRUCTIONS REGARDING ORDNANCE STORES AND PERSONAL EQUIPMENT TO BE TAKEN BY UNITS AND DRAFTS WHEN MOVING IN RELIEF.

**366.** The scales of ordnance stores to be taken by units moving in relief within Indian limits, except to and from Waziristan and Chitral, is as laid down in Appendix 42, Table 1 and general instructions.

The scales of equipment to be taken by drafts and details (including invalids) moving to and from Home and India and British other ranks proceeding on furlough are laid down in Appendix 42, Table 2.

The scales of personal equipment to be taken by British details proceeding on transfer to stations in or out of India, and British and Indian details proceeding on duty are laid down in Appendix 42, Table 3.

The scale of cooking and mess utensils for British troops, to be taken when moving in relief, is laid down in Appendix 42, Table 4.

**367.** The following special instructions are issued in connection with British Cavalry and Infantry Units moving in relief to India from Home or Imperial Stations:—

(i) A British cavalry and infantry unit arriving in India from a Home or Imperial Station will be in possession of the following forms (in triplicate) together with vouchers for any stores issued to the unit after the closing of the equipment ledgers at the old station duly prepared for use at the Board of Survey which will be held at the final destination in India. These forms are:—

Valuation Form (India) "A"—Scale of equipment for Cavalry and Infantry.

No. 72 of November 1939.

Page 126, Section XXV—

Paragraph 366—Add the following sub-paragraph :—

“ Respirators, anti-gas and connected stores will not be taken by units moving in relief to Home and Colonial stations except by Indian units proceeding to Taiping.”

Case No. 23533/M. G. 1.  
D. F. A. (O.) u/o No. 7032/R. P. of 1939.  
D. D. Regr. No. 9058/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I. 1933 (Reprint 1939).

CA 116  
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No. 116 of May 1940.

Page 126, Section XXV—

Paragraph 366—

After sub-paragraph *inserted* by Amendment No. 72 of November 1939  
add the following sub-paragraph :—

“ In war all units will take respirators and connected stores with them.”

Case No. 23533/M. G. 1.

D. F. A. (O.) u/o No. 303/S/O-2 of 1940.

D. D. Regr. No. 75/S/C. R. S. of 1940.

Amendment to E. Rs. (I.), Part I, Reprint 1939.

Valuation Form (India) "B"—Vickers machine guns and equipment.

Valuation Form (India) "C"—Lewis machine guns and equipment.

Valuation Form (India) "D"—Report on small arms.

Valuation Form (India) "E"—Statement of stores on charge, etc.

Valuation Form (India) "F"—Tools for armourers.

These forms have been drawn up by the War Office and contain all the items of equipment to be brought to India.

(ii) Immediately after the unit's embarkation from a Home or Imperial Station the D. A. D. O. S. of the area from which the unit moves, will forward to the War Office a complete list of the stores which were due on indent to the unit but which were not issued prior to embarkation.

(iii) On arrival at the destination the command headquarters to which the unit proceeds, will make immediate arrangements for the survey of the equipment, which will be conducted by a board of officers constituted as under—

A field officer not of the unit concerned . . . . . President.

An officer of the unit which conducted the preliminary inspection at the old station . . . . . Member.

The Deputy assistant director of ordnance services of the district or an ordnance officer . . . . . Member.

NOTE.—Warrant or senior non-commissioned officers may be appointed to serve on the board provided the convening authority is satisfied that they have the necessary knowledge.

Command headquarters will arrange for the attendance of a technical expert who will advise the board in regard to the condition of machine guns, small arms, optical instruments, etc.

The C. C. M. A. attending the board will indicate the number of Home pattern rifles in possession. The C. O. O. will arrange to replace these rifles with others of Indian manufacture, those withdrawn being examined, repaired as necessary, and set aside for re-issue to British units moving to the United Kingdom.

The forms for the use of the board will be prepared prior to assembly of the board as directed on the form to show the particulars of the equipment brought to India. The numbers of items should accord with the quantities shown in the valuation forms and vouchers for stores received by the unit after the closing of the ledger, see clause (i). The value of any items on charge but not produced to the board or not satisfactorily accounted for will be recovered from the unit under instructions from the command headquarters, and credited to Indian Revenues. Particulars of such items will be communicated to War Office by the Controller of military accounts when transmitting the Board's report (*see* clause v).

(iv) The board assembled, *vide* clause (iii) above, will classify the stores into two categories, *viz.*, serviceable and unserviceable :—

- (a) Serviceable stores will include all stores which were (except as provided below) in a serviceable condition on the date of embarkation for India.

Machine guns, rifles and pistols which are beyond local repair will be classified as serviceable, a note being made by the board of the number of items so affected.

Under no circumstances will machine guns, rifles and pistols be classified as 'unserviceable'.

- (b) Unserviceable stores will include those unserviceable obsolete and items requiring factory repair [except as laid down in (a) above].

In cases of which stores have been rendered unserviceable as a result of wilful damage or negligence on the part of a soldier, or soldiers, during the voyage, the Board will so indicate, and the serviceable value will be recovered from the soldiers concerned and credited to Indian Revenues. Particulars of such items will be communicated to War Office by the controller of military accounts when transmitting the Board's report.

With regard to any other unserviceable stores the Board will indicate whether, in their opinion, the stores were in a serviceable condition when the unit embarked.

- (v) On the termination of the survey, *vide* clause (iv) above, the board will complete their report in triplicate. One copy will be handed over to the officer commanding the unit. The other two copies accompanied by copies of the vouchers referred to in paragraph (1) will be forwarded through the controller of military accounts concerned for transmission without delay to the War Office.

(vi) Normally any stores brought to India in excess of the scale shown in the form will be disposed of under instructions by the War Office either by payment by the unit, or return to War Office stocks at the expense of the unit. If, however, the excess items are current Indian equipment they will be accepted for transfer to Indian stocks under the certificate of the Deputy assistant Director of ordnance services (or ordnance officer) attending the board. Information regarding items so accepted will be communicated to the War Office when transmitting the board's report.

(vii) Should the survey be unduly delayed for any cause, an immediate report will be made by the command headquarters concerned to the Master-General of the Ordnance in India for communication to the Military Department, India Office, as well as to the War Office.



(viii) Stores in possession of a unit joining the Indian establishment which are rejected by the board of survey as unserviceable will be forwarded to the I. A. O. C. under the instructions of the chief Ordnance Officer and dealt with according to their value and the cost of reconditioning.

The Chief Ordnance Officer will in his discretion either—

- (1) recommend their acceptance by the Government of India at a price, allowing for the cost of repair, and indicate, separately for each article, the estimated cost of such repair

or

- (2) bring the articles to produce.

Army Headquarters, India, will notify the War Office of any acceptances under 1, giving description and quantity of stores and estimated cost of repair of each article. In doubtful cases and failing acceptance under (1), the Chief Ordnance Officer should recommend reference to the War Office for instructions.

In the event of (2), produce value will be intimated to the Controller of Military Accounts, who will credit the amount, less 10%, to Imperial revenues and notify particulars of the gross and net amounts, together with the details of the account in which credit will be afforded, to the Military Department, India Office.

(ix) The officer commanding will then bring on to the Indian equipment ledger the items of equipment brought to India using the copy of the forms received *vide* (v) above, as a voucher to support the entries in the Indian equipment ledger.

(x) The officer commanding will take steps to adjust the equipment in accordance with the scale and description of stores authorized in the appropriate Indian equipment regulations taking into account the equipment already shown in the Indian equipment ledger which he takes over on arrival at his station. The Indian pattern stores shown in these regulations (as distinct from stores of standardized pattern made in India) will be demanded from the arsenal on which dependent in exchange for the equipment of Home pattern stores brought to India. Home pattern stores and rifles exchanged under these orders will be set aside in arsenals for re-issue to units proceeding to Imperial stations.

363. The following special instructions are issued in connection with British Cavalry and Infantry units moving in relief to Home and Imperial stations from India. These instructions are in amplification of those given on the valuation forms.

(i) When a unit is under orders to leave India for a Home or Imperial station a supply of the undermentioned forms will be made to the unit concerned by the Master-General of the Ordnance in



India, Army Headquarters, at least two months prior to the departure of the unit from India, a copy of the forwarding memorandum will be endorsed to the command concerned. These forms are :—

	No. of copies to be supplied.
Valuation Form (India) " A "—Scale of equipment for Cavalry and Infantry . . . . .	6
Valuation Form (India) " B "—Vickers machine guns and equipment . . . . .	6
Valuation Form (India) " C "—Lewis machine guns and equipment . . . . .	6
Valuation Form (India) " D "—Report on small arms . . . . .	5
Valuation Form (India) " E "—Statement of stores on charge, etc. . . . .	5
Valuation Form (India) " F "—Tools for armourers . . . . .	6

These forms have been drawn up by the War Office and contain particulars of all the items of equipment to be taken by the unit, and the scale and description of the stores shown therein will be strictly followed. Stores declared obsolete, either by the War Office or I. L. Cs. will not be taken out of India. Action to expunge obsolete items from the above valuation forms before issue will ordinarily be taken by A. Hqrs.

(ii) On receipt of the forms the officer commanding the unit will take immediate action for a preliminary inspection of all the equipment of his unit to be made by an officer of the unit (who will act as a member of the board of survey to be held on the arrival of the unit at its destination). The arms and machine guns will be examined by the C. C. M. A. of the area and where possible a technical inspection of all optical stores will be arranged for. The C. C. M. A. will also indicate the number of rifles of Indian manufacture or conversion requiring exchange. The D. A. D. O. S. of the district will attend the preliminary inspection and will keep in close touch with the unit to ensure that the equipment, etc., to be taken, is correct in all respects and that the orders laid down are understood and followed. He will countersign all indents submitted in this connection in token of their correctness.

(iii) The officer commanding will demand from the arsenal on which dependent, through the D. A. D. O. S. of the District :—

(a) All stores required to complete the unit's equipment up to the scale to be taken from India, and to replace all those items considered to be unserviceable or beyond local repair.

(b) All Home pattern stores required to replace Indian pattern stores on charge (as distinct from stores of standardized pattern but of Indian manufacture) up to the scale laid down in the valuation form concerned.

Only those stores the marks and description of which are given in valuation forms will be taken out of India. If a unit cannot obtain any particular store or mark of store indented for from the

Chief Ordnance Officer concerned it will leave behind the Indian pattern (as distinct from stores of standardized pattern but of Indian manufacture) or store of the wrong mark or description and move without them. The exceptions to this practice are :—

*I. P. Legs of tripod mounting.*—If Home pattern legs cannot be obtained I. P. legs will be taken Home.

*Rifles.*—Rifles of British manufacture of the mark shown in the statement are to be taken. If these rifles cannot be obtained from the Chief Ordnance Officer concerned Indian made rifles of the mark shown in the statement will be taken.

Rifles of British manufacture will not be issued until after the C. C. M. A's special inspection has been carried out. Rifles which are beyond local repair will not be sent in to arsenals for exchange within two months prior to the special inspection. They will be retained and included in the bulk exchange for Home pattern rifles.

If however, the number is such as to impair the efficiency of the unit, special instructions will be asked for from the C. O. O. of the arsenal on which the unit is dependent.

(iv) The officer commanding will, on the conclusion of the preliminary inspection, *vide* clause (ii) above, complete the valuation forms with regard to all items shown in the valuation forms which appear in the ledger and are being taken out of India and actually available on that date. He will then balance the ledger and verify the items remaining therein and after this has been done, will inform the Controller of Military Accounts concerned who will instruct his local audit officer to audit the stores ledgers maintained by the unit and to keep in touch with the unit after the audit has been completed to carry out such further audit in respect of any further store transactions that may occur. The local audit officer will also look for loss statements or other supporting vouchers for the adjustment of discrepancies between the balances of the ledgers and those reported by the unit to be in possession. The result of the local audit will be communicated to the unit commander. Any delay on the part of the officer commanding in the adjustment of the accounts should at once be brought to the notice of the Controller of Military Accounts concerned by the local audit officer with a view to the matter being reported to the superior commander.

(v) The valuation forms will be disposed of as follows :—

(a) One copy each of the undermentioned forms will be attached to the Indian equipment ledger in support of the entries showing the equipment struck off to be taken out of India.

Infantry.  
Valuation Form A.  
Valuation Form B.  
Valuation Form C.  
Valuation Form F.

Cavalry.  
Valuation Form A.  
Valuation Form B.  
Valuation Form F.

(b) Of the remaining five copies of the valuation forms the officer commanding the unit will send, before leaving India, one of each, together with a copy of the vouchers referred to in clause (c) below, to (a) the Controller of military accounts for audit and transmission to the Military Department, India Office, and (b) the Master General of the Ordnance in India, Army Headquarters. The other three copies will be taken by him for completion by the board of survey at destination and disposal in accordance with Appendix 3, E. Rs. (Home), Part I.

(c) Copies of vouchers in respect of stores to be taken Home received after the Indian ledger has been closed will be retained by the unit for the information of the board of survey and disposed of along with the forms.

(vi) Stores supplied by the Royal Indian Army Service Corps which are taken to the port of embarkation should be handed over to the station supply officer at the station and his receipt for them forwarded to the Controller of Military Accounts concerned. The cost of any article not so returned will be debited against the unit in its final accounts with the Government of India.

(vii) The Indian ledger and ration and other returns are not required by units in Home or Imperial stations and must be transferred with stores not taken with the unit, to the relieving unit and a receipt obtained for them. Where this cannot be done they will be handed over to an officer detailed by the officer commanding the station who will grant the receipt; on arrival of the relieving unit, this officer will complete the transfer.

(viii) Immediately prior to the unit's embarkation, the officer commanding will forward certificates to the Chief Ordnance Officer of the arsenal on which dependent for transmission to the Military Department, India Office, showing:—

(a) that all repairs, cleaning, etc., within the capacity of the unit have been affected,

(b) the equipment of the unit to be taken out of India has been completed to the prescribed scale or if the equipment is not complete to scale a statement of deficient stores will be furnished together with particulars of indents on which items were demanded.

(ix) Immediately after the unit's embarkation the Chief Ordnance Officer will forward to the Military Department, India Office, a complete list of the stores which were due on indent to the unit to be taken out of India, but which were not issued prior to its embarkation. No stores will be despatched to the unit after its embarkation except on specific instructions.

(x) On arrival at the final destination the officer-in-charge, administration, in the command to which the unit proceeds, will make



the necessary arrangements for the survey in accordance with the procedure laid down in Appendix 3, Equipment Regulations (Home), Part I.

**369.** Units other than Cavalry and Infantry normally move to and from India and Home stations equipped as drafts, etc., the scale for which is as laid down in Appendix 42, Table 2. Any equipment taken Home in excess of this scale will be made out on I. A. F. Z-2103 and a copy forwarded to the Under Secretary of State for India.

The scale of equipment of drafts and details of all services will be carefully checked by the officer commanding the unit and action taken to ensure the replacement of any unserviceable equipment prior to embarkation.

Separate vouchers (I. A. F. Z.-2096) for each individual supported by I. A. F. C.-857 showing the personal equipment in possession will accompany the man's documents, addressed as laid down in King's Regulations, 1928, paragraph 1167 in the case of men proceeding Home. I. A. F. C.-857 will be signed by the soldier as an acknowledgment that the articles shown thereon are in his possession at the time of leaving the unit.

When two or more men are proceeding to join the same unit at Home, consolidated vouchers (I. A. Fs. Z.-2096) together with the I. A. Fs. C.-857 and a nominal roll of the personnel to whom the vouchers refer, will be forwarded in lieu of separate I. A. Fs. Z.-2096 for each individual.

In the case of men becoming invalids on the voyage Home from India and admitted to the Royal Victoria Hospital, Netley, on arrival, their equipment will be taken on charge by certificate receipt voucher by the officer commanding, Royal Victoria Hospital, Netley. Two copies of each such certificate receipt voucher will be forwarded by this officer to the officer commanding the depot concerned, who, when amending the issue vouchers received from India to agree with the number of men who actually arrived at the depot, will attach one copy of the certificate receipt voucher (received from Netley) as an explanation of the discrepancy, and keep the other copy with the unit's copy of the issue voucher received from India for reference.

**369-A.** In accordance with Equipment Regulations for the Army, Part I (Home), equipment of drafts and details arriving in India must be in a serviceable condition. To ensure that such equipment is serviceable it will be inspected by the officer commanding on arrival, and any case of unserviceable equipment being found will be reported to Army Headquarters, through the usual channels.

When unserviceability is not due to fair wear and tear, action will be taken to have the unserviceable articles replaced on payment, and the cost debited to the individual concerned. These cases will not be reported to Army Headquarters.

**370.** The equipment to be taken by Indian units moving to Imperial stations (except Hong Kong) will be as laid down in Appendix 42, table I. The equipment will be inspected by a board of survey, before departure in the case of units moving out of India, and on arrival, in the case of units moving into India. The board will consist of a field officer (not of the unit concerned), a captain of the unit and an ordnance officer. It will assemble three months before the unit is due to embark in the case of the unit proceeding ex-India and as soon as possible after the arrival of the unit at its destination in the case of units arriving in India. A technical expert will attend the board to carry out the examination of small arms, machine guns, etc.

All equipment, if serviceable, will be classified as new for the purpose of financial adjustment ; this adjustment will be carried out by the C. M. A. direct through the Accountant General, Central Revenues.

Manuscript forms for use by the board of survey will be made out as required to show :—

1. Description of stores.
2. Number on charge.
3. Number produced for survey.
4. Condition—Serviceable or Unserviceable.
5. Value.
6. Remarks.

In the case of outgoing units 4 copies of the form will be required. The superior commander will forward 4 copies of the form to the C. M. A. who will, after audit, complete the column 'value' and dispose of them as indicated below :—

2 copies will be sent to the O. C., outgoing unit, one copy to be taken by him to support his new ledger and the other copy to be handed over to the relieving unit to support the latter's ledger.

Of the remaining 2 copies, one will be transmitted to the Accountant General, Central Revenues, for necessary adjustment in this connection and the other retained by the C. M. A. for record.

In the case of incoming units 3 copies of the form will be prepared and disposed of in the above manner except that only one copy will be given to the unit.

**370-A.** A unit arriving from a Home or Imperial station will be completed to the Indian scale of equipment by the transfer of the excess equipment of the unit proceeding ex-India in the same chain of relief. This transfer of equipment will be carried out under command arrangements.

*Page 135—*

*Paragraph 373—*

*Delete the following stores and connected entries :—*

“ Bags, ration, B. T.

Tins, ration—

B. T.

I. T.—

Large

Small”.

Case No. 36868/M. G. 9-B.

D. F. A. (O.) u/o No. 844/S/O.-2 of 1940.

D. D. Regr. No. 537/S/C. R. S. of 1940.



**370-B.** Indian personnel attached to the Heavy Battery, R. A., Aden, the Military Hospital, Kowloon, and the Hong Kong Mule Corps, transferred between Imperial and Indian stations, will be clothed and equipped prior to embarkation as follows :—

*Clothing.*—According to the scale laid down in Clothing Regulations (India), for the appropriate rank in the arm of the service concerned.

*Equipment.*—Haversacks, I. T.

Tins, mess, with tape, cotton, or straps, mess tin.

Waterbottles with carriers, waterbottle, I. T.

Arms will not be taken.

No financial adjustment with the Government of India will be made in respect of clothing or equipment in possession of the above personnel transferred to or from India.

**370-C.** If, on arrival, any personnel of a draft are found to be deficient of serviceable articles of public clothing or equipment included in the scales laid down in paragraph 370-B, the officer commanding responsible for despatching the draft will be required to forward at his own expense the articles necessary to complete deficiencies or to replace unserviceable articles except where the vouchers indicate that the draft was complete to scale on embarkation, when the value of the deficiencies and damages will be charged against the individuals concerned.

Articles of public clothing and equipment in excess of the authorised scale will be returned to the officer commanding the unit which failed to withdraw the articles, and he will be held responsible for defraying the expense incurred by such return.

**371.** Waterbottle covers, repaired *vide* para. 258, will not be taken by British units, drafts or details proceeding from India to Home and Imperial stations.

**372.** Stores left behind will be disposed of in accordance with R. A. I.

**373.** The following articles of mobilization equipment will be taken by units moving to and from the Waziristan district :—

Sheets, ground . . . . .	1 per V.C.O. British and I.O.R. and class I follower.
Bags, ration, B. T. . . . .	1 per B. O. R.
Bottles, water . . . . .	1 per class I follower.
Carriers, waterbottle, I. T. . . . .	1 per class I follower.
Belts, waist, B. E. leather . . . . .	1 per class I follower.
Haversacks, followers . . . . .	1 per class I follower.
Tins, ration—	
B. T. . . . .	1 per B. O. R.
I. T.—	
Large . . . . .	1 per V.C.O., I.O.R., and class I follower.
Small . . . . .	1 per V.C.O., I.O.R., and class I follower.
First field dressing packets . . . . .	1 per British Officer and V.C.O., British and I.O.R. and class I follower.

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374. British and Indian Infantry battalions moving to and from the Waziristan district will take over machine gun mules on arrival at their destinations.

For the carriage of Lewis and Vickers guns on the portion of the journey to be made by road within Waziristan district, R. I. A. S. C. mules will be provided. As these mules are equipped with universal packsaddlery only, units will take from their starting stations articles of carrying equipment necessary to enable their machine guns to be carried on R. I. A. S. C. mules ready for immediate use.

376. Schoolmasters boxes will always be taken by schoolmasters leaving India.

## SECTION XXVI.—Inspection of Equipment by ordnance Inspecting Officers.

### A.—Units of the Regular Army.

1. General Instructions.
2. Inspection by Ordnance Mechanical Engineers.
3. Inspection by Civil Chief Master Armourers.
4. Inspection of ammunition and explosives.
5. Inspection by Deputy Assistant Directors of Ordnance Services.
6. Inspection forms and their disposal.

### B.—Non-regular units : R. A. F. : R. I. N. : and formations not administered by the Defence Department.

7. R. I. N. and Royal Navy.
8. R. A. F.
9. A. F. I. and T. F. units.
10. Indian States Forces.
11. Frontier Corps (Scouts ; Levies ; etc.).
12. Civil and Military Police, Jails.

### 1. General Instructions.

377. The following stores on charge of units and formations will be inspected annually (except where otherwise stated) under arrangements made by Command and Independent District headquarters and will, normally, be sent to the officers indicated :—

#### Stores.

Artillery equipments ; vehicles except carts, transport, rangefinding, position finding, optical and indirect laying stores. Line signalling equipment, lamps signalling, heliographs and searchlights.

#### Inspecting Officer.

- (i) O. M. E. operating from the arsenal on which the unit is dependent, except in the case of the equipment of the coast defences at Manora (Karachi) which will be inspected by the O. M. E. Ordnance Depot, Bombay.
- (ii) Units in the Bombay district will be inspected by the O. M. E., Bombay, except those in Mhow brigade area, which will be inspected as at (i) above.

CS 30  
8/39

CS 163  
8/41

No. 30 of August 1939.

Page 136—

Insert immediately above paragraph 377 "A.—REGULAR UNITS OF THE ARMY".

Case No. 29588/M. G. 9-D.  
D. F. A. (O.) u/o No. 4204/R. P. of 1939.  
D. D. Regr. No. 5599/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).

No. 163 of August 1941.

Para. 136 (Page 146 of the 1941 reprint)—

Para. 377—

Under "Stores," in line 2, after "transport" insert "and M. P. Vehicles."

Case No. 31611/14/M. G. 7-A.  
D. F. A. (O.) u/o No. 404/O-3 of 1941.  
D. D. Regr. No. 9591/C. R. S. of 1941.

Amendment to E. Rs. (I.), Part I, Reprint 1939 and 1941.

No. 164 of August 1941.

Page 137 (Page 147 of 1941 reprint)—

Para. 377—

At the end of para. *add* :—

“ M. P. vehicles and M. T. Stores and equipment.—D. O. M. E.”

Case No. 31611/14/M. G. 7-A.

D. F. A. (O.) u/o No. 404/O-3 of 1941.

D. D. Regr. No. 9591/C. R. S. of 1941.

Amendment to E. Rs. (I.), Part I, Reprint 1939 *and* 1941.

No. 19 of July 1939.

Page 137, paragraph 377—

Under "Inspecting Officer" delete the last sentence and substitute :—  
"The O. O. Bombay will inspect ammunition and explosives on charge of units in Bombay itself, tests being carried out in Kirkee Arsenal. The D. A. D. O. S., Bombay District, will inspect respirators on charge of units in Bombay."

Case No. 25176/M. G. 7-A.  
D. F. A. (O.) u/o No. 696/O. of 1939.  
D. D. Regr. No. 5077/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).

- Searchlight equipment in Coast Defences. In the case of Karachi, Bombay and Madras by the Ordnance Mechanical Engineer, Ordnance Depot, Bombay; and in Calcutta by the Ordnance Mechanical Engineer, The Arsenal, Allahabad.
- Small arms, machine guns and bicycles. C. C. M. A. of the area operating from headquarters of districts. (See paragraph 396).
- Ammunition, explosives and anti-gas respirators. I.O.O. (D.A.D.O.S.) in the case of small quantities, (see para. 401) operating from the arsenal on which the unit is dependent. ~~The O. O. Bombay will inspect these stores on charge of units in Bombay itself, tests being carried out in Kirkee arsenal.~~ *C214*  
*C2-164/11* *7/39*

378. If any doubt exists as to the serviceability of any of the technical stores referred to above and inspection by an expert cannot be awaited, the stores will be entered on I. A. F. O.-1370 or I. A. F. Z.-2098 if the stores come under the provisions of paragraphs 246(b), 247 and 248, which will be submitted to the C. O. O. for orders. All other ordnance stores will be inspected and sentenced under unit arrangements. (See paragraph 52. D. A. Ds. O. S. will attend as many condemnation boards as possible but only in an advisory capacity).

379. Tours of O. M. Es., C. C. M. As. and I. O. Os. will be approved by command headquarters. Tours of D. A. Ds. O. S. will be approved by district headquarters. Tour programmes will be published in district or other local orders, the exact date and time of inspections being arranged by station authorities direct with the Inspecting officer concerned. An advance copy of the programme will be furnished to the Inspectors concerned and, in the case of C.C. M. As. and D. A. Ds. O. S., to C. O. Os. and O. Os., concerned to enable any points which require investigation on behalf of these officers to be brought to notice.

Command headquarters will inform Inspectors concerned of all changes in the tour programme of O. M. Es., C. C. M. As. and I. O. Os. as soon as they occur.

379-A. Special inspection will be carried out by C. C. M. A. of arms and machine guns of units under orders to move to stations situated on the frontier and of units when proceeding to and on return from Chitral. Such inspections will be completed 3 months prior to date of move and within 3 months from date of return from Chitral and the reports will be marked "Special" by the C. C. M. A. Special inspections [including those occasioned by a unit proceeding overseas, see paragraphs 368(ii) and 370] will be arranged by command headquarters (A. D. O. S.) to whom all applications for special inspections should be addressed through the usual channels.

379-B. Arms of the British Infantry detachment relieving that at Port Blair will be inspected prior to the departure of the detachment from the parent unit.



380. Command headquarters will arrange for the attendance of ordnance inspecting officers at practice camps etc. as below. If for any reason an inspecting officer is not available the A. D. O. S. of the Command will ascertain whether another command can assist by detailing an officer for the duty and only when it has been established that such assistance cannot be provided will the duty be relegated to another officer, warrant officer or non-commissioned officer. See note after (a) below.

(a) *Ordnance Mechanical Engineers*—

An O. M. E. will attend all coast defence artillery practice; also the first two days, or such longer period as may be deemed advisable, of the firing of guns of both practising and non-practising anti-aircraft and mobile artillery units of the regular army and the A. F. (I.).

NOTE.—Should it not be found possible to detail an O. M. E. after consulting other commands, the D. O. S. will be informed, with a view to issuing instructions regarding such attendances.

Only in exceptional circumstances will the duty be relegated to an armament artificer.

(b) *Inspecting Ordnance Officers*—

An I. O. O. will attend practice camps only when considered necessary by command headquarters.

(c) *Civil Chief Master Armourers*—

A C. C. M. A. will not normally be required to attend practice camps.

381. Unit commanders will provide fatigue parties as necessary during the course of expert inspections. The following personnel will be present during such inspections:—

*O. M. Es. Inspections*—

<i>Artillery units</i> . . . . .	O. C. unit (Adjutant in the case of A. F. I. units). All available artificers of the brigade. Section officer, No. 1 and limber gunners as necessary.
<i>Other units</i> . . . . .	Quartermaster. Senior armourer. (Adjutant and assistant instructors in the case of A. F. I. units.)
<i>C. C. M. As. Inspections</i> . . . . .	The company or squadron commander or officer in whose charge the arms, etc., are. (Adjutant in the case of A. F. I. units.) Unit armourers.
<i>Inspection of ammunition and explosives</i> . . . . .	O. C. or officer detailed.
<i>D. A. Ds. O. S. Inspections</i> . . . . .	O. C. or 2nd-in-command Quartermaster. (Adjutant and S./Sgt., instructor in the case of A. F. I. units.)

382. Os. C. units, or the officer in charge of the stores inspected, are responsible that all action is taken on the reports of inspecting officers in accordance with the orders recorded thereon. Instructions on reports will not be issued by C. O. Os. unless special arrangements for the repair or replacement of stores are necessary.

No. 152 of April 1941.

Page 139 -

Paragraph 383 -

1st sub-paragraph as reconstructed by c/s No. 135 of October 1940.  
Lines 9 & 10 -  
For "If action is not ..... rendered." substitute "If action is not completed within a reasonable period, units will represent the matter to the D.A.D.O. & D.O.M.E., or if considered necessary, to the superior commander, vide para 16."

Case No. 29990/M.G.7-A.

D.F.A.O. Dy. No. 604/O-2 of 1941.

D.D. Regr. No. 2267/C.R.S. of 1941

Amendment to E.Rs.(I), Part I, 1933 (Reprint 1939)

No. 152 of April 1941.

Para 385, lines 5 to 8.

For "are again inspected before being taken to practice camp, vide para 62 of 'Instructions for Practice, R.E.A. and Field, Light, Mountain and Medium Artillery in India, 1937'"

Read "will be inspected prior to practice by the O.M.E. attending the practice camp, vide para 122 of 'Instructions for Practice Field Army Artillery (India) 1940'"

Case No. 27818/M.G.7-A.

D.F.A.O. Dy. No. 1407/O-2 of 1941.

D.D. Regr. No. 3131/C.R.S. of 1941.

Amendment to E.Rs.(I), Part I, 1933 (Reprint 1939)

Page 139—

Paragraph 383—

1st sub-para. is *reconstructed* as follows :—

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“ D. A. Ds. O. S. are responsible for watching on behalf of district or independent brigade commanders, that all action is taken on the reports of D. A. Ds. O. S. and I. O. Os., and they will bring to the notice of district or independent brigade commanders any reports which merit such action. D. O. M. Es. will similarly be responsible for their own reports and those of T. O. M. Es. and C. C. M. As. Officers commanding units will report to district or independent brigade headquarters when all action on these reports have been completed. If action is not completed within 3 months, monthly progress report will be rendered. Forms used for reports of D. A. Ds. O. S., D. O. M. Es., I. O. Os., T. O. M. Es. and C. C. M. As and their distribution are detailed in sub-section 6.”

Case No. 31611/13/M. G. 7-A.

D. F. A. (O.) u/o No. 7849/O-2 of 1940.

D. D. Regr. No. 9469/C. R. S. of 1940.

Page 139—

*Paragraph 384 is re-constructed as follows :—*

“ A. Ds. O. S. of commands will be responsible for co-ordinating action on the reports of D. A. Ds. O. S. and I. O. Os. within the command, obtaining completion reports as necessary from D. A. Ds. O. S. They will bring to the notice of the command staff any reports which merit such action. C. O. M. Es. of commands will similarly be responsible for co-ordinating action on reports of D. O. M. Es., T. O. M. Es. and C. C. M. As., completion reports as necessary being obtained from D. O. M. Es.

Copies of any special action taken by district or independent brigade headquarters will be endorsed to command headquarters.”

Case No. 31611/13/M. G. 7-A.

D. F. A. (O.) u/o No. 7849/O-2 of 1940.


D. D. Regr. No. 9469/C. R. S. of 1940.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).

Indents (I. A. F. O-2098) and work orders (I. A. F. O-1370) are checked against reports in arsenals, but indents and work orders for stores requiring urgent repair or replacement, if countersigned by inspecting officers, will be complied with in anticipation of the inspecting officers' report, against which they will be checked after the issue or repair of stores has been carried out. I. A. F. O-2457-A (Record of inspections of stores and clothing) will be maintained by all units in accordance with the instructions on the form.

383. D. A. Ds. O. S. are responsible for watching on behalf of district or independent brigade commanders, that all action is taken on reports of inspecting officers and will bring to the notice of superior commanders any reports which merit such action. Accordingly, Os. C. units and formations will report to D. A. D. O. S. (copy to brigade or independent brigade headquarters) when all action on an inspecting officer's report has been completed. If action is not completed within 3 months, monthly progress reports will be rendered. Forms used for reports of inspecting officers and their distribution are detailed in sub-section 6.

"The explanation of the symbols used on their inspection reports for the purpose of classifying the condition of the unit equipment is as shown below :—

A small rectangle, thus  denotes :—

- (i) "Good" when coloured blue.
- (ii) "Fair" when coloured in black lead pencil.
- (iii) "Bad" when coloured red.

CA 135  
10/40

384. A. Ds. O. S. of commands will co-ordinate action on inspecting officers' reports within the command, obtaining completion reports as necessary from D. A. Ds. O. S. They will bring to the notice of the command staff any reports which merit such action. Copies of any special action taken by district headquarters will be endorsed to command headquarters.

CA 136  
10/40

385. Command hqrs. are responsible for the fitness for service of all units and if they consider that this end can be gained by less frequent inspections " (always provided that artillery equipments, ammunition and explosives of fighting units are inspected annually and that guns and carriages are again inspected before being taken to practice camp, vide para. 62 of 'Instructions for Practice, R. H. A. and Field, Light, Mountain and Medium Artillery in India, 1937' ) ". They may recommend to A. Hqrs. any units or equipments for which the frequency of inspection could be reduced.

CA 153  
4/41

In the case of O. M. Es., the inspection of equipment on charge of other than artillery formations will be carried out biennially subject to more frequent inspection in cases of necessity at the discretion of command hqrs.



A. T. carts will be inspected under local arrangements by unit or station artificers, or by officers of the R. I. A. S. C. as decided by district hqrs. and a report submitted on I. A. F. O. 2263-E. Gauges required for this purpose are authorised in E. R. (I.), Part 2, Section III-B. These gauges will be submitted biennially to the I. G. C. and V., Jubbulpore, for check. They will be despatched to arrive at Jubbulpore by 1st November. The I. G. C. and V. will draw the attention of deputy directors of supplies and transport of commands to cases where it appears to him that A. T. carts in any particular unit are not receiving adequate inspection to ensure their serviceability.

In the case of C. C. M. As., the inspection of equipment of units will be carried out annually *except in the case of rifles No. 1, 100 per cent. of which will be inspected biennially and 20 per cent. during each intervening year, subject to the exceptions defined below.* Command hqrs. will, however, ~~decide whether 100 per cent. or 20 per cent. of such rifles will be inspected during the initial application of the procedure.~~

When 20 per cent. only of rifles No. 1 are to be inspected, such rifles will be selected for inspection by the C. C. M. A. from the numerical rolls of arms shewn on I. A. F. O.-1455 (see paragraph 393).

If, after the 20 per cent. of rifles No. 1 have been inspected, the C. C. M. A. considers that further examination is necessary, he will inspect the remaining 80 per cent. forthwith.

If the C. C. M. A. reports "Fair" or "Bad" on the condition of the rifles No. 1 of any unit, a full 100 per cent. of such rifles will be inspected the following year.

The equipment held by units and establishments which have small quantities of small arms, bicycles, etc., on charge, e.g. headquarters of commands, districts and brigades, R. I. A. S. C., medical and M. E. S. units, military grass farms, embarkation staffs and I. A. O. C. school of instruction, will ordinarily be inspected biennially, but more frequent inspections may be carried out at the discretion of the command headquarters.

The above procedure does not in any way affect the procedure for special inspections of arms (paragraphs 379 and 379-A).

386. The Director of Artillery is responsible for the standard of inspection and for all technical matters arising out of the reports of inspecting officers; he will bring to the notice of command headquarters any matters on which administrative action is considered to be necessary.



No. 126 of August 1940.

*Page 140—Paragraph 385—*

*Sub-para. 4, lines 5 to 7—*

*Delete from "Command" in line 5 to "procedure" in line 7*

*Case No. 24250/M. G. 7-A.*

*D. F. A. (O.) Dy. No. 6003/O..2 of 1940.*

*D. D. Regr. No. 6076/C. R. S. of 1940.*

*Amendment to E. Rs. (I.), Part I, Reprint 1939.*

No. 169 of September 1941.

*Page 141 (Pages 151-152 of the 1941 Reprint)—*

*Section XXVI, Paragraph 389—*

Line 1, after “units” insert “and units with mortars on charge”.

Sub-para. (c), after “A. F. G. 875” insert “and A. F. G. 875A in the case of mortars,”.

Case No. 3833/M. G. 2.

D. F. A. (O.) u/o No. 2113/O.-3 of 1941.

D. D. Regr. No. 14-7/16/C. R. S. of 1941.

Amendment to E. Rs. (I.), Part I, Reprint, 1939 and 1941.

2. *Inspection by Ordnance Mechanical Engineers.*

387. O. M. Es. at their annual inspections will enter in their reports all cases of damage which, in their opinion, are not due to fair wear and tear, and will recommend what portion of the charges for repair should be made against the unit.

Inspection forms will be sent to units, in duplicate, for completion in so far as they are concerned and retention pending the arrival of the O. M. E. No other information except as stated below is required.

388. In preparation for the visit of an O. M. E. units will :—

- (i) prepare a list in duplicate of all known defects on which technical advice is required ;
- (ii) collect in one place all equipment for inspection.

(a) Instruments will be removed from their cases and placed on their stands or in their brackets. Instruments not provided with stands will be placed on tables. External optical surfaces will be cleaned with chamois leather or special polishing rags maintained for the purpose. Leather cases must be available for inspection. All stands will be opened out ; telescopes will be extended and H. P. eyepieces made available.

(b) Helios will be assembled. All spares must be available for inspection ; spare mirrors will be placed one in each half of an open case.

(c) Daylight signalling lamps and telephone sets will be connected up. Shutters and lighting attachments will be placed in front of their respective lamps. Terminals of telephones will be "shorted" for inspection.

(d) If a fire engine is to be inspected it must be ready with its crew at a fire tank when required.

389. In addition to the foregoing, artillery units will :—

- (a) prepare a list of I. L. Cs. in duplicate, see para. 8 :—
- (i) carried out since last inspection ;
- (ii) not carried out, with reasons for non-compliance :

(b) complete all memoranda of examination with entries of rounds fired since the last examination. Columns will be totalled for all rounds fired to date :

(c) prepare A. F. G.-875 in triplicate for any gun which has fired, or is approaching, a full series since last full examination.

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390. After the arrival of the O. M. E., artillery units may be required to remove all guns, cradles and recuperators from carriages; strip all breech mechanisms; dismantle buffers and recuperators; strip down carriages completely and reassemble guns and carriages complete.

391. A table shewing stations at which time guns/saluting guns are in use is given in Appendix 17/27. A register of such guns in their areas will be maintained by O. M. Es., shewing types of vents fitted, date last vented and, in the case of time guns number of rounds fired since the last inspection. Officers in charge of time guns will report to C. O. Os., on August 1st annually, the number of rounds fired since the last inspection.

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.

392. Grain crushing depots will be inspected twice a year and a manuscript report rendered on the condition of all plant and on the application of the Factory Act.

### 3. Inspection by Civil Chief Master Armourers.

393. Prior to the arrival of the C. C. M. A., numerical rolls on I. A. F. O.-1455 will be prepared by the unit in duplicate, shewing the regimental and manufacture numbers and marks of arms with date of issue. These rolls will be prepared in book form and will be made out numerically for the whole unit and not by companies. The remarks of the C. C. M. A. will be entered on I. A. F. O.-1455 one copy of which will be retained by the unit and one by the C.C.M. A. The officer present at the inspection will be responsible that the C. C. M. A.'s remarks are correctly recorded on the form, for which purpose clerical assistance should be detailed.

The record of action taken on I. L. Cs., A. Is. (I.), I. A. Os., E. R. (I.) Parts 1 and 2 and Government of India D. D. letters (I. A. F. O.-1445) will be produced for inspection by the C. C. M. A. (See para. 8).

393-A. Copies of indents submitted for components of small arms since the last inspection, will be produced for scrutiny by the C. C. M. A., who will bring to notice any demands which appear to be excessive.

394. D. P. weapons will be inspected by C. C. M. As.

395. The O. C. station will arrange for the C. C. M. A. to inspect the arms of unattached men and also the small arms and bicycles on charge of station authorities, offices and departments. The arms and bicycles will be collected in one place. The O. C. station

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No. 86 of December 1939.

Page 142—

Paragraph 395—

After “Small arms.” in line 2 *insert* a comma and *add* “pistols, signal  
No. 2”.

Case No. 12085/M. G. 3.

D. F. A. (O.) u/o No. 7852/R. P. of 1939.

D. D. Regr. No. 10047/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, Reprint, 1939.

will be responsible for completing all action on the C. C. M. A.'s reports (I. A. F. O-2263-E. and I. A. F. O-2263-G.) a copy of which will be furnished to him.

396. C. C. M. As. are located at the stations indicated below with inspection areas as shown :—

<i>Northern command.</i>	<i>Area of Inspection.</i>
1. Peshawar . . . . .	Peshawar district.
2. Rawalpindi . . . . .	Rawalpindi District, Sialkot brigade, Jammu and Kashmir State.
3. Dera Ismail Khan . . . . .	Waziristan and Kohat districts.
4. Lahore . . . . .	Lahore district (less Sialkot brigade, Jammu and Kashmir State), Delhi, Alwar State.
<i>Eastern command.</i>	
5. Meerut . . . . .	Meerut district, Agra, Muttra, Tundla, Bharatpur State, Jaipur State, Dhol- pur State.
6. Calcutta . . . . .	Lucknow and P. A. districts.
<i>Western (I) District.</i>	
7. Quetta . . . . .	Western (I) District, Multan, Bahawalpur State, Dera Ghazi Khan, Bikaner State, Jodhpur State.
<i>Southern command.</i>	
8. Poona . . . . .	Bombay district. Poona Independent Brigade Area.
9. Bolarum . . . . .	Deccan and Madras districts.

#### 4. *Inspection of ammunition and explosives.*

397. The necessary forms will be sent to the formation concerned, in advance, for completion of relevant portions. After completion the forms will be returned to the inspecting officer without delay together with a certificate that all ammunition and explosives on charge have been accounted for on the forms.

398. A number of packages will be held in readiness to enable samples selected for test to be packed and sealed in the presence of the inspecting officer.

398-A. The record of action taken on I. L. Cs., A. Is. (I.), I. A. Os., E. Rs. (I.), Parts 1 and 2 and Government of India D. D. letters (I. A. F. O.-1445) will be produced for inspection by the inspecting officer (See para. 8).

399. All instructions issued by the inspecting officer will be complied with without delay. Vouchers and packages of ammunition and explosives returned to an arsenal for repair, test or replacement will be plainly marked with the reason for return. When a



retest is necessary and further samples are called for, Os. C. will ensure that the samples forwarded comply with the request in every particular.

**400.** When hermetically closed cylinders, cases and other ammunition packages are opened for inspection, they will be re-sealed in accordance with the instructions contained in R. A. O. S. (Part II), Pamphlet No. 8 which are repeated on A. F. G.-941 (modified for India). The stores required for re-sealing will be demanded from the I. A. O. C. on the scales given in A. F. G.-941 (modified for India).

**401.** Cartridges signal and illuminating on unit charge will not be tested (see para. 214).

I. O. Os. will not visit stations and detachments where only small quantities of anti-gas respirators, S. A. A., grenades and pyrotechnics are borne on charge. In such cases the D. A. D. O. S. of the district will carry out the prescribed inspection of anti-gas respirators and will ensure that orders regarding turnover and storage of S. A. A., grenades and pyrotechnics are being complied with. Necessary tests of the ammunition, etc., will be carried out in arsenals on request to the C. O. O. who will call in samples for the purpose.

**401-A.** All drill fuzes held on unit and I. A. O. C. charge will be inspected annually by I. O. Os.

Officers commanding will be responsible that all drill fuzes are accounted for on the Army Forms appropriate to service fuzes of the same nature as the drill fuzes, and they will ensure that the fuzes are submitted to the I. O. O. for examination when required.

Any drill fuzes sentenced "Repairable" or "Unserviceable" will, after confirmation of sentence, be returned to the arsenal on which dependent.

Drill fuzes having one or more of the following defects will not be considered as "Serviceable" and will be sentenced either "Repairable" or "Unserviceable", such sentence being based on the number of defects found and at the discretion of the I. O. O.

Fuzes, drill, No. 80 type.

Not blackened, bronzed, or stamped "DRILL".

Incomplete, *i.e.*, components missing.

Tension incorrect, no tension or fixed. (Any fuzes which are known to have been re-tensioned locally will be sentenced "Repairable").

Setting stud worn.

Graduations defaced.

Setting stud too big—caused by local repair.

Damaged threads or general damage.

No. 20 of July 1939.

Section XXVI is amended as follows :—

Page 145—

After paragraph 401-B insert the following :—

401-C. Explosives on M. E. S. charge will not be included in I. O. Os. periodical inspections. Should special examination or test be considered necessary, the M. E. S. officer concerned will address the I. O. O. of the area who will arrange for samples as necessary to be forwarded to the Ordnance establishment concerned for test and report. This service will be carried out free of charge. Explosives expended in test will not be replaced.

Case No. 27973/1/M. G. 7-A.

D. F. A. (O.) Dy. No. 974/O. of 1939.

D. D. Regr. No. 5077/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).

Fuzes, drill, No. 101 type.

Not blackened, bronzed or stamped "DRILL".

Incomplete, *i.e.*, components missing.

Damaged threads or general damage.

Fuzes, drill, No. 106 type.

Not blackened, bronzed or stamped "DRILL".

Incomplete, *i.e.*, components missing. Tape, half collars, shearing wire or hammer may have been removed for demonstration purposes and not replaced.

Damaged threads or general damage.

Fuzes, drill, base type and Nos. 13 and 45 types.

Not blackened, bronzed or stamped "DRILL".

Incomplete, *i.e.*, components missing.

Damaged threads or general damage.

401-B. The inspecting officer will not visit Port Blair for the purpose of inspecting S. A. A. and Pyrotechnics on charge of the British Infantry detachment stationed there.

To ensure that this ammunition, etc., is always in a serviceable condition each relieving detachment will take its authorised quota from the stock on charge of parent unit in India, and will return it to the parent unit on relief.

401 C 402. If at any time between normal inspections a unit commander is dissatisfied with ammunition or explosives on charge, he will refer the matter to the C. O. O. The C. O. O. will call in samples for test, arrange replacement or recommend to the A. D. O. S. of the command for a special inspection to be made as the case may warrant. Visual examination of such primers and fuzes as are uncovered and of other ammunition will often suffice to detect deterioration, corrosion, exudation and crystallization which should be brought to notice. e 20  
7/39

402-A. The undermentioned description of ammunition will become unserviceable on reaching the "Age-limit" mentioned. Unit commanders will render a report of all such ammunition to the chief ordnance officer, arsenal, on which dependent at a date not later than 3 months, nor earlier than 6 months before the expiry of the "Age-limit". Chief ordnance officers will issue necessary instructions regarding replacement.

Nomenclature.	Age-limit from date of manufacture.
Detonators—	
No. 36 and 36-M Grenades . . . . .	5 years.
Fuze, safety . . . . .	10 years.

From time to time, it may be notified in India Army Orders that certain of these age-limits are suspended, in which case reports will cease to be rendered and the items in question will continue to be utilized as if no age-limit existed.

*A. Annual inspection of Antigas Respirators.*

(Applicable to Army, R. A. F., A. F. I., I. T. F., and certain I. S. F. units).

**402-B.** (i) Inspection will be carried out by an I. O. O. (D. A. D. O. S. in the case of small quantities, see para. 401) and in accordance with the Indian supplement to "Defence against Gas, 1935".

(ii) Prior to the arrival of the inspector the unit will complete columns 1 to 11 of I. A. F. O.-2482, sufficient copies of the form being made out to admit distribution as necessary.

*(iii) General instructions.*

(a) Every anti-gas respirator classified by the unit as "D" will be inspected also 5 per cent. of those classified by the unit as "S". If any defects are found in this 5 per cent. a further 10 per cent. will be examined. Should further defects be found, all respirators on charge of the unit will be examined: in such cases a special note will be made on the inspection report.

(iv) The I. O. O. will complete one copy of I. A. F. O.-2482 in manuscript and forward this together with the remaining copies, to the arsenal from which operating for completion and distribution as required. In the case of a D. A. D. O. S. carrying out the inspection the forms will be completed and distributed by his office.

One copy of the completed report on the annual inspection will be distributed to each of the following:—

*(a) In respect of Army, A. F. I. and I. T. F. units—*

Headquarters of Command.

D. A. D. O. S. district.

Headquarters, Independent Brigade Area.

C. O. O. concerned.

C. I., I. O. D., Kirkee.

O. C. unit.

*(b) In respect of R. A. F. units—*

Headquarters, R. A. F.

Headquarters, No. 1, Indian Group (for Group units only).

D. A. D. O. S. district.

C. O. O. concerned.

C. I., I. O. D., Kirkee.

O. C. unit.

No. 173 of November 1941.

*Page 147 (Page 157 of the 1941 reprint)—*

*Paragraph 404—Against Bombay for “ Also serves Poona Independent Brigade ” read “ Also serves Jubbulpore Independent Area ”.*

Case No. 31611/13/M. G. 7-C.

D. F. A. (O.) No. 4875/O.-3 of 1941.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939 *and* 1941).

(c) *In respect of I. S. F. units concerned—*

M. A.-in-C., I. S. F.

M. A. concerned.

D. A. D. O. S. district.

C. O. O. concerned.

C. I., I. O. D., Kirkee.

O. C. unit.

### 5. *Inspection by Deputy Assistant Directors of Ordnance Services.*

403. D. A. Ds. O. S. are required to advise the district or independent brigade commander on the state of the equipment, stores and clothing (other than in I. A. O. C. charge) in the district or independent brigade Area. They will assist units in their dealings with the I. A. O. C. and will advise on, or bring to notice, any matter of an ordnance nature referred to them.

404. D. A. Ds. O. S. are appointed to district headquarters as under :—

#### *Northern Command.*

Peshawar . . . Also serves Kohat district.  
Rawalpindi  
Lahore.  
Waziristan.

#### *Eastern Command.*

Meerut . . . Also serves Delhi Independent Brigade.  
Lucknow  
P. & A.

#### *Southern Command.*

Bombay . . . (Also serves Poona Independent Brigade)  
Deccan.  
Madras.

#### *Western (I) District.*

Also serve Zhob and Sind Brigade Areas.

405. Once annually D. A. D. O. S. will visit all units and formations in his area on behalf of the district or independent brigade commander. Prior to the arrival of D. A. D. O. S., Os. C. units and formations will :—

(a) prepare a list of :—

(i) all points on which the advice of the D. A. D. O. S. is required :

(ii) all important outstandings over 2 months' old and all outstandings over 3 months' old. (See paragraph 16.)

These lists will be prepared by vocabulary sections in alphabetical order and in cases where delay memos. have been received, a note to this effect will be made.

2173  
21/41



No. 41 of September 1939.

Page 148, paragraph 405 ( b)—

For sub-paragraph (ii) substitute the following :—

“(ii) One section of animals for Vickers and/or Light Machine Guns, (units not so equipped will show a section of animals for pack transport) and one officer's charger harnessed and saddled.”

Case No. 29588/M. G. 9-D.

D. F. A. (O.) u/o No. 4819/R. P. of 1939.

D. D. Regr. No. 6471/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).

(b) Make arrangements for the D. A. D. O. S. to see :—

(i) one platoon or a similar number of men paraded in service dress marching order with their kits laid out for inspection :

(ii) one section of ~~V. G. and L. G.~~ mules and an officer's charger harnessed and saddled :

(iii) all store rooms, rifle kotes, harness rooms and workshops (contents to be arranged for easy inspection); tailors and shoemakers shops (In fine weather regimental tentage will be pitched ready for inspection.) :

(iv) mobilisation equipment and checked indents ; station stores or stores for internal security purposes :

(v) equipment and clothing ledgers (including regimental and personal accounts) ; repair book (I. A. F. Z.-2102) ; record of action taken on I. L. Cs., A. Is. (I.) and I. A. Os., affecting stores on charge (I. A. F. O.-1445—see para.8) ; bicycles log book (I. A. F. O.-2495) and the turnover book (I. A. F. O.-2496.) :

(vi) the last reports of the O. M. E., C. C. M. A., and I. O. O. and action taken on them :

(vii) any condemned stores or unserviceable stores awaiting disposal :

(viii) all anti-gas stores and the method of storage :

(xi) progress made on annual stock-taking and check of A. Ps., *vide* paragraph 114-A.

405-A. Inspection of ordnance mobilization equipment and clothing of :—

(a) Units not existing in peace.

(b) Nucleus units existing in peace.

(i) During the annual visit referred to in para. 405, the D. A. D. O. S. will :—

(a) Inspect on behalf of the district commander the ordnance mobilization equipment and/or clothing, except that held by ordnance.

(b) Scrutinize all checked indents for equipment and/or clothing held by the ordnance for issue on mobilization.

(ii) Officers in peace charge of the ordnance mobilization equipment and/or clothing of the units concerned will take the following action prior to the visit of the D. A. D. O. S. :—

(a) Prepare a list in duplicate of all points on which the assistance of the D. A. D. O. S. is required.

(b) Prepare a list in duplicate of all equipment and/or clothing to be issued by the ordnance on mobilization, for which checked indents have been submitted.

- (c) Prepare a list in triplicate of all items of equipment and/or clothing required to complete to authorised holdings of mobilization scales.

Where information in connection with the deficiencies has been received from ordnance establishments, a precis will be entered against the items to which it pertains.

- (iii) The provisions of para. 405 will be adhered to where applicable.

**405-B.** Annual reports on ordnance mobilization equipment and clothing on charge of units mobilizing by Z+59 days.

Required in respect of the following classes of units :—

- (a) Units and formations existing in peace.
- (b) Nucleus units existing in peace.
- (c) Officers in peace charge of mobilization schemes of non-existing units.

(i) Four copies of the form (I. A. F. O. 2498) will be supplied to each unit, or officer in peace charge of the mobilization scheme in the case of non-existing units, by the headquarters of the district in which the unit mobilizes.

(ii) After completion, three copies of the form will be disposed of as shown below :—

- (a) Where complete mobilization equipment and/or clothing is held in unit charge.

Direct to the headquarters of the district concerned by 1st February annually.

- (b) Where mobilization equipment and/or clothing is either partially or wholly held in ordnance charge.

To the ordnance establishment holding the equipment and/or clothing.

(iii) On receipt of the completed copies of I. A. Fs. O.-2498 from units and ordnance establishments, district headquarters will forward two copies to the headquarters of the command concerned and retain one copy for record purposes.

The copies forwarded to the command will be accompanied by two copies of I. A. F. O.-2499 ; separate forms of the latter being prepared for each class of unit.

Of the two copies of I. A. F. O.-2498 received by command headquarters, one copy will be forwarded with I. A. F. O.-2499 to the D. O. S., Army Headquarters, in accordance with the instructions contained on I. A. F. O.-2499.

201/43. Page 150. Para. 385—

(i) In line 1—before “ Artillery ” insert “ Vehicles ”.

(ii) In line 2—before “ Ammunition ” insert “ Scientific Instruments ”.

(iii) Delete lines 9 to 12 inclusive.

Case No. 31611/13/MG/OS-10.

D. F. A. (O.) Dy. No. 9107/O-2 of 1943.

*Page 151 (161-162 of the 1941 reprint).*

*Para. 406—*

In column 4 (Distribution)

for "D. O. M. E. District "

read "T/D. O. M. E. District "

for "I. G. C. & V. "

read "I. M. C. "

for "I. S. S., R. P. A. "

read "I. S. S. "

for "A. D. O. S. P. "

read "D. D. O. S. P. "

Under "T/D. O. M. E. District "

against "(a) on Unit Charge "

*Insert 1.*

against "(b) In Stock in Ordnance Charge "

*Insert 1.*

Under "C. O. O., Arsenal "

against "(a) on Unit Charge "

*Delete 1.*

Case No. 31611/13/M.G. 7-C.

D. F. A. (O) No. 7143/0-2 of 1942.

D. D. Regr. No. 271/C. R. S. (R) of 1942.

No. 170 of September 1941.

*Page 151 (Page 161 of the 1941 Reprint)—*

*Section XXVI, paragraph 406—*

*Column 1 (Forms), for "A. F. G. 875" substitute "A. F. G. 875, A. F. G. 875A (In the case of mortars)".*

*Case No. 3833/M. G. 2.*

*D. F. A. (O.) u/o No. 2113/O.-3 of 1941.*

*D. D. Regr. No. 14-7/16/C. R. S. of 1941.*

*Part I Reprint, 1939 and 1941.*

*No. 176 OF DECEMBER 1941.*

*Page 151 (Page 161 of the 1941 reprint).*

*Para. 406—(as reconstructed by C. S. No. 137 of 1940) (incorporated in the 1941 reprint).*

*Column 6, for "D. O. M. E. Distt. H. Q." read "D. O. M. E. Distt./ Division concerned".*

*Case No. 31611/14/M. G. 7-C.*

*D. F. A. (O) No. 6369/O3 of 1941.*

*amendment to E. Rs. (I), Part I, Reprint 1939 and 1941.*



Paragraph 406, is re-constructed as follows :—

*Forms used by Inspecting Officers and their distribution.*

Forms.

Equipment reported on, or purport of form.

Copies prepared and issued by

Distribution.

O. C. unit or formation.

Headquarters or Command Ind. District.

D. O. M. E. District H. Q. (a)

I. M. T.

I. of G.

I. G. C. and V.

I. S. A.

I. S. S., R. P. A.

C. O. O., Arsenal.

C. O. O. or O. O., 3rd line W/Shops on which dependent.

A. D. O. S. P., A. H. Qrs.

D. of C. A. H. Qrs.

C. C. M. A.

C. M. A.

Notes.

O. M. E's

A. F. G. 875

Ordnance and their fittings (full examination)—

(a) On unit charge

(b) In stock in Ordnance Charge.

Unit

C. O. O.

1

...

...

...

1

...

...

...

1

...

...

...

1

...

...

...

...

I. A. F. O.—

2263-A.

Ordnance and their fittings (Annual inspection).

T. O. M. E.

1

2

1

...

1

...

...

...

1

...

1

...

...

1

...

...

...

9909-A, (Special).

9909-B.

9909-C.

Time and Saluting guns

Gun Carriages and Artillery Vehicles.

Optical stores, rangefinding and signalling equipment.

Do.

Do.

Do.

1

2

1

...

1

...

...

...

1

...

1

...

...

1

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...

...

The copy of the forms sent to the unit will be forwarded through Brigade or Independent Brigade H. Qrs. Officers Commanding Artillery units will ensure that the Reg'tl. Commander sees the O. M. E's reports on his units.

(a) Not required for Western (Ind.) District.

(iv) The following certificate will be forwarded to the Master General of the Ordnance in India, on the 1st April annually or when I. A. Fs. O.-2498 have been received from all Units.

"I CERTIFY THAT THE MOBILIZATION EQUIPMENT AND CLOTHING OF UNITS, WHICH MOBILIZE BEFORE Z PLUS 60 AND WHOSE MOBILIZATION STATIONS ARE SITUATED IN THIS COMMAND, ARE COMPLETE WITH THE EXCEPTION OF THOSE ARTICLES WHICH ARE DEFICIENT OWING TO NON-PROVISION. IN THE CASE OF DEFICIENCIES DUE TO LOSS AND FAIR WEAR AND TEAR, ACTION TO REPLACE HAS BEEN TAKEN.

.....G. O. C-in-C.

..... Command.



# 407. DETAILS OF FORMS USED BY C. C. M. As. FOR RECORDING THE CONDITION OF ARMS, MACHINE GUNS AND BICYCLES ON UNIT CHARGE :—THEIR PREPARATION AND DISTRIBUTION :—

## (1) DETAILS OF FORMS USED :—

- |                                |  |
|--------------------------------|--|
| (a) I. A. F. O.-2263-E . . .   | Small Arms.  |
| (b) I. A. F. O.-2263-F . . .   | Machine Guns.  |
| (c) I. A. F. O.-2263-G . . .   | Bicycles.  |
| (d) I. A. F. O.-2263-J.* . . . | Statement showing items lost or damaged, the cost of which is debitable to the unit. |

## (2) PREPARATION OF FORMS :—

- (a) The original copy of I. A. Fs. O.-2263-E, F and G will be prepared by the C. C. M. A. in manuscript and forwarded to the unit concerned.
- (b) Two copies of I. A. F. O.-2263-J (Columns 1, 2 and 3 only) will be prepared by the C. C. M. A. in manuscript when necessary. One copy will be forwarded to the unit concerned (together with the manuscript copy of I. A. Fs. O.-2263-E, F and G) and the other copy will be forwarded to the C. M. A. concerned.
- (c) On receipt of the original copy of I. A. Fs. O.-2263-E, F and G, the unit will prepare the requisite number of typed copies and distribute them as detailed in sub-para. (3) below.
- (d) When preparing the typed copies of I. A. Fs. O.-2263-E, F and G, the certificate signed by the O. C. unit that it is a true copy, is sufficient, and the signature of the C. C. M. A. is not necessary.
- (e) On receipt of I. A. F. O.-2263-J, the unit will pass the form to the unit accountant for pricing in columns 4 and 5 of the form. After columns 4 and 5 have been completed, the unit will type the required number of copies for distribution with copies of the C. C. M. As. form to which it pertains (I. A. Fs. O.-2263-E, F or/and G as the case may be). In the case of those units and formations to which no unit accountant is attached, the unit will send I. A. F. O.-2263-J to the C. M. A. concerned for pricing in columns 4 and 5 of the form. The return of this form will not be awaited from the C. M. A. before distributing I. A. Fs. O.-2263-E, F or G, but a certificate will be endorsed on the connected I. A. F. to the effect that I. A. F. O.-2263-J has been forwarded to the C. M. A. for pricing and will be distributed immediately on return from that officer.

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Paragraph 407—sub-paragraph (3)—

In column 1 “ Formation or Officer ” of the statement *delete* “ D. A. D. O. S. District ” and *insert* “ District O. M. E.”

Case No. 31611/13/M. G. 7-A.

D. F. A. (O.) u/o No. 7849/O-2 of 1940.

D. D. Regr. No. 9469/C. R. S. of 1940.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).



## (3) DISTRIBUTION OF FORMS:—

I. A. Fs. O.-2263-E, F, G and J will be distributed by the unit to the formations and officers defined below:—

Formation or Officer.	No. of copies.	Remarks.
Headquarters of Command or Independent District.	1*	* Will be sent through Headquarters, Brigade or Independent Brigade who will record thereon any action taken on the reports.
D. A. D. O. S. District . . . . .	1*	
Headquarters Independent Brigade or Headquarters Brigade . . . . .	1	
C. O. O. of the arsenal on which the unit is dependent for the supply of arms, machine guns and bicycles, <i>vide</i> Appx. 59.	1	
I. S. A., Ishapore . . . . .	1	
C. C. M. A. concerned . . . . .	1	I. A. F. O.-2263-J only. This form will be forwarded with a copy of the loss statement, if and when the amount is ordered to be recovered by the c.f.a. see para. 240.
C. M. A. concerned . . . . .	1	
O. C. unit . . . . .	1	

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*Reports on ammunition and explosives.*

408. A narrative report on I. A. F. O.-2458 covering general condition, storage arrangements, etc., will be prepared as under in respect of ammunition and explosives on unit charge:—

(a) By I. O. Os. in respect of units they inspect.

(b) By D. A. Ds. O. S. in respect of units not inspected by the I. O. O. (See paragraph 401.)

Copies will be distributed as under:—

2 copies to O. C. unit—1 copy through brigade headquarters and 1 copy direct to unit except in the case of R. A. units when this second copy will be sent through R. A. brigade headquarters.

1 copy to headquarters of command or independent district. (In the case of R. A. units this copy will be shown to the C. R. A.)

1 copy for the D. A. D. O. S. district.

1 copy to the Inspector of Ammunition.

1 copy to the Chemical Inspector, I. O. D.

1 copy for the C. O. O.



409. Detailed reports on ammunition and explosives will be prepared in duplicate : quadruplicate in the case of I. A. F. O.-2500 on the following forms :—

<i>No. of form.</i>	<i>Subject.</i>
G.-803	Inspection of small arm ammunition.
G.-842	Proof of fuzes, time or time and percussion.
G.-848	Proof of detonators, fuzes electric, tubes electric, rockets, lights and miscellaneous explosives.
G.-897	Proof of primers percussion for Q. F. cartridges, percussion fuzes and friction or percussion tubes.
G.-897-A.	Proof of detonating fuzes.
G.-898.	Inspection of filled cartridges, including fixed ammunition except S. A. A.
G.-900.	Inspection of cordite in cartridges and bulk except S. A. A.
G.-911.	Inspection of filled shell.
I. A. F. O.-2488.	Inspection of dry guncotton, wet guncotton and other explosives in bulk except cordite ballistite and dynamites.
I. A. F. O. [ 2500.	Disposal of ammunition and explosives, the condition of which is under suspicion.

The inspecting officer will complete the reports with the result of his inspection, and, in the case of ammunition and explosives tested in the arsenal, the result of the proof and sentence, will be recorded on the forms. The original will then be passed by the C. O. O. to the Inspector of Ammunition or the Chemical Inspector for confirmation of sentence. After confirmation of sentence the I. of A. or C. I., as the case may be, will return the original to the C. O. O., who will complete the office copy, and return the original to the Inspector of Ammunition or the Chemical Inspector for record. The C. O. O. will take all action necessary with the unit as may be required by the sentence recorded on the forms. In the case of A. Fs. G.-898, A. Fs. G.-842, 897 and 897-A must always be awaited and connected up before the form is finally returned to the Inspector of Ammunition for record.

410. Where sentence cannot be confirmed by the Inspector of Ammunition or the Chemical Inspector, the matter will be referred to the C. O. O. concerned, who will supply any further information required and arrange for such additional tests as may be necessary. The system of accounting for stores used in test is laid down in paragraph 114.

*Inspection reports of Deputy Assistant Directors of Ordnance Services.*

411. D. A. D. O. S. inspection reports will be prepared and submitted to the district or independent brigade commander on I. A. F.

O.-2457-B which will summarise all matters contained in I. A. F. O.-2457-A. Copies of the report will be distributed as under :—

2 to O. C. unit or formation.

1 to brigade headquarters.

3\* to C. O. O. (and/or O. O. concerned).

The C. O. O. (and/or O. O.) will complete the report with any remarks necessary on points with which he is concerned ; returning one copy of the form to the D. A. D. O. S. through brigade headquarters and the unit concerned and sending one completed copy to the A. D. O. S. of the command.

## **B.—NON-REGULAR UNITS OF THE ARMY, R. A. F., R. I. N., R. N., AND FORMATIONS NOT ADMINISTERED BY THE DEFENCE DEPARTMENT.**

### *7. Auxiliary and Territorial Force Units.*

412. The orders contained in Part A will apply to Auxiliary and Territorial Force units, except that O. M. Es. and C. C. M. As. inspections will be carried out every two years instead of annually. Inspection reports will be disposed of as laid down in sub-section 6 of this section.

### *8. Royal Air Force.*

413. The military authorities are responsible for the inspection of signal mortars on charge of R. A. F. units at Kohat and Peshawar, small arms, machine guns, bicycles, ammunition and explosives on charge of R. A. F. units and such units will be included in the ordinary tour programmes of the inspecting officers concerned. D. A. D. O. S. will visit such units when inspecting in their vicinity to see if there are any points on which he could assist the unit. He will not carry out a regular inspection unless requested by the O. C. formation to do so. He will advise on any matters referred to him and bring to the notice of C. O. Os. and O. Os. any points which require action by them. C. C. M. As. inspections of R. A. F. units (except in the case of Western (I) district) will be arranged to take place between the months of October and April whenever possible.

414. The procedure to be followed for the actual inspections will be as prescribed for regular units of the army. Applications for special inspections will be referred to command headquarters.

---

\* Inspection reports on which no action is required or which contain no special information for note, need not be sent to C. O. Os. but a copy will be forwarded to the A. D. O. S. of the Command.

415. Reports of inspecting officers will be disposed of as follows :—

Nature of report.	Distribution.								Remarks.
	O. C. Formation.	H. Qrs. R. A. F.	D. of A., A. H. Q.	I. of A.	Chemical Inspector.	I. S. A.	C. O. O.	A. D. O. S. Command.	
D. A. D. O. S. report (manuscript).	1	1	..	..	..	..	1	1	
Narrative report on ammunition (I. A. F. O.-2458).	1	1	..	1	1	..	1	1	
Detailed reports on ammunition and explosives.	The inspecting officer will prepare three copies, 2 of which will be sent to the I. of A. for confirmation of sentence. The I. of A. will send 1 copy to H. Qrs., R. A. F., for final confirmation. The other copy will be returned to the Inspecting officer, who will note the sentence, inform the unit and return the form to the I. A. for record.								

#### 415-A. DETAILS OF FORMS USED BY C. C. M. As. FOR RECORDING THE CONDITION OF ARMS, MACHINE GUNS AND BICYCLES ON UNIT CHARGE ; THEIR PREPARATION AND DISTRIBUTION.—

##### (1) DETAILS OF FORMS USED.—

- (a) I. A. F. O.-2263-E. . . Small Arms.
- (b) I. A. F. O.-2263-F. . . Machine Guns.
- (c) I. A. F. O.-2263-G. . . Bicycles.
- (d) I. A. F. O.-2263-J. . . Statement showing items lost or damaged, the cost of which is debitable to the unit.

##### (2) PREPARATION OF FORMS :—

- (a) The original copy of I. A. Fs. O.-2263-E, F and G will be prepared by the C. C. M. A. in manuscript and forwarded to the unit concerned.
- (b) Two copies of I. A. F. O.-2263-J (columns 1, 2 and 3 only) will be prepared by the C. C. M. A. in manuscript when necessary, 1 copy will be forwarded to the unit concerned (together with the manuscript copy of I. A. Fs. O.-2263-E and G) and the other copy will be forwarded to the Controller of Royal Air Force Accounts, Ambala.

- (c) On receipt of the original copy of I. A. Fs. O.-2263-E, F and G, the unit will prepare the required number of typed copies and distribute them as detailed in sub-para. (3) below.
- (d) When preparing the typed copies of I. A. Fs. O.-2263-E, F and G, the certificate signed by the O. C. unit that it is a true copy, is sufficient, and the signature of the C. C. M. A. is not necessary.
- (e) On receipt of I. A. F. O.-2263-J, the unit will pass the form to the unit accountant for pricing in columns 4 and 5 of the form. After columns 4 and 5 have been completed, the unit will type the requisite number of copies for distribution with copies of the C. C. M. As. form to which it pertains (I. A. Fs. O.-2263-E, F or /and G as the case may be).

In the case of those units to which no unit accountant is attached, the unit will send I. A. F. O.-2263-J to the Controller of Royal Air Force Accounts, Ambala, for pricing in columns 4 and 5 of the form and return to unit for further action as laid down for units to which an unit accountant is attached.

### (3) DISTRIBUTION OF FORMS :—

I. A. Fs. O.-2263-E, F, G and J will be distributed by the unit to the formations and officers defined below :—

Formation or Officer.	No. of copies.	Remarks.
Headquarters, Royal Air Force . . . .	1	To be sent through proper channels after all action has been completed by the unit.
Headquarters, No. 1 (I) Group . . . .	} 1	As applicable.
or Headquarters, No. 3 (I) Wing . . . .		
C. O. O. of the arsenal on which the unit is dependent for the supply of arms, machine guns and bicycles, <i>vide</i> Appx. 59.	1	
I. S. A., Ishapore . . . . .	1	
C. C. M. A. concerned . . . . .	1	
Controller of Royal Air Force Accounts, Ambala . . . . .	1	I. A. F. O.-2263-J. only. This form will be forwarded with a copy of the loss statement, if and when the amount is ordered to be recovered, by the c.f.a. Original copy received from the C. C. M. A.
O. C. unit . . . . .	1	



## 415-B. INSPECTION OF SIGNAL MORTARS.—

- (1) Inspection will normally [see (3) below] be carried out annually.
- (2) A record of the rounds fired will be kept on the memo. of examination issued with each mortar.
- (3) When the number of rounds fired since the last inspection exceeds 220, application will be made to command headquarters for such mortars to be inspected by an O. M. E.
- (4) A record of all inspections will be prepared by the O. M. E. on R. A. F. (India) Form 1610 and on the memo. of examination.
- (5) A copy of R. A. F. (India) form 1610 will be forwarded to each of the following:—

Headquarters, R. A. F.

Headquarters of command.

D. of A., A. H. Q.

Inspector of Guns, Cossipore.

O. C. unit.

416. Maintenance and repair work ordered by inspecting officers in respect of bombs and explosives held in R. A. F. charge and in military charge at Loralai and Fort Sandeman will be carried out by R. A. F. personnel. Bombs, etc., in I. A. O. C. charge will be maintained, repaired and inspected under arrangements made by the C. O. O. or O. O. concerned; a copy of the detailed inspection reports being furnished to headquarters, R. A. F., after confirmation of sentence by the I. of A.

9. *Royal Indian Navy and Royal Navy.*(a) *R. I. N.*

417. Ammunition in store and a proportion of that on board ship as laid down in N. M. and E. Rs. will be inspected at least once a year by the O. O., Bombay, tests as necessary being carried out in Kirkee Arsenal. Guns, optical, rangefinding and signalling stores will be inspected by the O. M. E., Bombay as opportunity offers, inspection being arranged in consultation with ship's officers.

418. Small arms, etc., will be inspected annually by the C. C. M. A. of the area, dates of inspection being arranged mutually between the Flag Officer Commanding, R. I. N., and the A. D. O. S., Southern Command.

418-A. Requisitions for the inspection of guns should be forwarded to the Ordnance Mechanical Engineer, Ordnance Depot, Bombay, through the squadron gunnery officer, together with memoranda of inspection and Form S-1404 completed in quintuplicate.

No. 21 of July 1939.

Page 157, paragraph 419—

In lines 1 and 2, for "usual Army forms" substitute "forms indicated below".

In table of distribution, in column 1, after "O. M. Es. reports", for "(I. A. Fs. O.-2263-A, B & C)" substitute "(Naval Forms S.-1404)".

In table of distribution, in column 3, against "O. M. E.'s reports" delete "1".

Case No. 29511/M. G. 9-D.

D. F. A. (O.) u/o No. 3421/R. P. of 1939.

D. D. Regr. No. 4563/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).



The ordnance mechanical engineer deals with these as follows :—

*If the gun is serviceable*, the forms will be disposed of as laid down in paragraph 419. The memorandum of inspection and one copy of Form S.-1404 for filing will be returned to the officer commanding ship.

*If the gun is provisionally condemned*, one copy of Form S.-1404 will be returned to the officer commanding ship. The remaining copies together with the memorandum of inspection and necessary impressions will be forwarded to the Inspector of Guns, Cossipore, for confirmation of sentence. One copy will be retained by the Inspector of Guns, who after confirmation of the sentence, will dispose of the forms as indicated above. In this case the memorandum of inspection will be returned to the Flag Officer Commanding, Royal Indian Navy, Bombay, for disposal.

419. Reports of inspecting officers will be prepared on the usual army forms and will be disposed of as follows :—

Nature of reports.	Distribution.									Remarks.
	O. C., Ship.	F. O. C., R. I. N.	D. of A., A. H. Qrs.	I. of G.	I. S. A.	I. G. A.	Chemical Inspector.	O. O., Bombay.	Command or Independent District Headquarters.	
O. M. Es. reports (I. A. Fs. O-2263-A, B and C)*.	1	1	1	1	..	..	..	1	..	
Narrative report on ammunition (I. A. F. O.-2458).	1	1	..	..	..	1	1	1	..	I. A. F. O. 2263-I* will be used as a forwarding memo. in respect of these reports distribution on the form being modified as necessary.
Detailed reports on ammunition and explosives (Relevant army forms).	Will be prepared in triplicate. The inspecting officer will retain one copy and send two to the I. of A. (through the C. O. O., K. A., for entry of tests results) for confirmation of sentence. The I. of A. will return one copy to the inspecting officer who will send it to the O. C. ship after completing his own copy.									

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12/49  
11/30

**419-A. DETAILS OF FORMS USED BY C. C. M. As. FOR RECORDING THE CONDITION OF ARMS AND MACHINE GUNS ON UNIT CHARGE; THEIR PREPARATION AND DISTRIBUTION.—**

**(1) DETAILS OF FORMS USED:—**

- (a) I. A. F. O.-2263-E. . . . Small Arms.
- (b) I. A. F. O.-2263-F. . . . Machine Guns.
- (c) I. A. F. O.-2263-J. . . . Statement showing items lost or damaged, the cost of which is debitable to the unit.

**(2) PREPARATION OF FORMS:—**

- (a) The original copy of I. A. Fs. O.-2263-E and F will be prepared by the C. C. M. A. in manuscript and forwarded to the unit concerned.
- (b) Two copies of I. A. F. O.-2263-J. (columns 1, 2 and 3 only) will be prepared by the C. C. M. A. in manuscript when necessary. One copy will be forwarded to the unit concerned (together with the manuscript copy of I. A. Fs. O.-2263-E and F) and the other copy will be forwarded to the Controller of Naval Accounts, Bombay.
- (c) On receipt of the original copy of I. A. Fs. O.-2263-E and F the unit will prepare the required number of typed copies and distribute them as detailed in sub-para. (3) below.
- (d) When preparing the typed copies of I. A. Fs. O.-2263-E and F the certificate signed by the O. C. unit that it is a true copy, is sufficient, and the signature of the C. C. M. A. is not necessary.
- (e) On receipt of I. A. F. O.-2263-J, the unit will pass the form to the Controller of Naval Accounts, Bombay, for pricing in columns 4 and 5 of the form and return to unit. On return of the form from the Controller of Naval Accounts, the unit will type the requisite number of copies for distribution with the copies of the C. C. M. As. form to which it pertains (I. A. Fs. O. 2263-E or/and F as the case may be).

**(3) DISTRIBUTION OF FORMS:—**

I. A. Fs. O.-2263-E, F and J will be distributed by the unit to the officers defined below:—

Officer.	No. of copies.	Remarks.
F. O. C., R. I. N. . . . .	1	
Ordnance Officer, Ordnance Depot, Bombay.	1	

(3) DISTRIBUTION OF FORMS—*contd.*

Officer.	No. of copies.	Remarks.
I. S. A., Ishapore . . . . .	1	I. A. F. O.-2263-J only. This will be forwarded with a copy of the loss statement, if and when the amount is ordered to be recovered by the c.f.a. Original copy received from the C. C. M. A.
C. C. M. A. concerned . . . . .	1	
Controller of Naval Accounts, Bombay . . . . .	1	
O. C. unit . . . . .	1	

420. Os. C. ships are responsible that all action is taken on reports of inspecting officers and will carry out, as far as practicable, the preparations laid down for regular units of the army in anticipation of visits.

(b) *Royal Navy.*

421. When ordnance, gun carriages, mountings or their fittings require examination application will be made to the O. M. E., Bombay, or in the case of other ports, to the headquarters of the command for an inspection to be arranged. Reports will be rendered in manuscript through the Inspector of guns or I. G. C. V. in the case of mountings to the officer at whose request the inspection was carried out. When an O. M. E. is in doubt as to the serviceability of a gun or in the case of accidents, unless trivial, he will send impressions with his report to the Inspector of guns for confirmation of sentence.

422. Inspection of ammunition will be carried out on request by the O. O., Bombay. In other ports inspection will be arranged on request by headquarters of commands, as also will C. C. M. As. inspections of small arms.

10. *Indian States Forces.*

423. (Frequency of inspections under consideration.)

424. The cost of inspections will be borne by the army estimates, no debit being raised against the States concerned. Ammunition destroyed in test will be replaced free of charge. The preparations for and procedure at inspections will be the same as laid down for regular units.

424-A. When ammunition and explosives are required by C. O. Os. for test, a military credit note will be forwarded to the unit simultaneously with C. O. O.'s instructions for despatch of the stores, and despatch will be effected without delay. The unit vouchers will not be countersigned by the military adviser concerned, but a copy will be forwarded to that officer for information immediately stores are despatched to arsenal.

425. Reports prepared on the relevant army forms will be distributed as under :—

Nature of report.	Distribution.											Remarks.
	O. C., I. S. F. Unit.	Military Adviser concerned.	M. A.-in-C., I. S. F.	D. of A., A. H. Qrs.	I. of G.	I. G. C. V.	I. S. A.	I. of A.	Ins- pector. Chemical	C. O. O.	A. D. O. S., Com- mand.	
O. M. Es. report (I. A. Fs. O- 2263-A, B and C).*	1	(a) 1	..	1	(b) 1	(b) 1	..	..	..	1	(c) 1	} (a) To be forward- ed by M. A. to M. A.-in-C. for per- usal.  (b) Rele- vant re- ports or portion thereof.  (c) Units allotted to field army or covering troops only. *N.B.—I. A. F. O- 2263-I will be used as a forward- ing me- mo. in respect of these reports, distribu- tion on the forms being modified as neces- sary.
Narrative re- port on am- munition and explo- sives (I. A. F. O.-2458).	1	1	1	..	..	..	..	1	1	1	(c) 1	
Detailed re- ports on am- munition and explo- sives.	Prepared in triplicate. Two copies to I. of A. for confirmation of sentence and return of one copy to inspecting officer. The latter after completing his office copy, will forward one copy to the O. C. unit.											



**11. Frontier Corps (Scouts, Levies, etc.) and other civil units administered by the External Affairs and Political Department.**

**425-A. DETAILS OF FORMS USED BY C. C. M. As. FOR RECORDING THE CONDITION OF ARMS AND MACHINE GUNS ON UNIT CHARGE; THEIR PREPARATION AND DISTRIBUTION.—**

**(1) DETAILS OF FORMS USED :—**

- (a) I. A. F. O.-2263-E. . . Small Arms.
- (b) I. A. F. O.-2263-F. . . Machine Guns.
- (c) I. A. F. O.-2263-J. . . Statement showing items lost or damaged, the cost of which is debitable to the unit.

**(2) PREPARATION OF FORMS :—**

- (a) The original copy of I. A. Fs. O.-2263-E and F will be prepared by the C. C. M. A. in manuscript and forwarded to the unit concerned.
- (b) The use of I. A. F. O.-2263-J is optional. If this form is used, columns 1, 2 and 3 only will be completed in manuscript by the C. C. M. A. Columns 4 and 5 of this form will be completed as may be directed by the Administrative Authorities concerned.
- (c) On receipt of the original copy of I. A. Fs. O.-2263-E and F (and J if used), the unit will prepare the requisite number of typed copies and distribute them as detailed in sub-para. (3) below.
- (d) When preparing the typed copies of I. A. Fs. O.-2263-E and F, the certificate signed by the O. C. unit that it is a true copy, is sufficient, and the signature of the C. C. M. A. is not necessary.

**(3) DISTRIBUTION OF FORMS :—**

I. A. Fs. O.-2263-E, F and J will be distributed by the unit to the officers defined below :—

Officer.	No. of copies.	Remarks.
M. A.-in-C., I. S. F. . . . .	1	
M. A. concerned . . . . .	1	
C. O. O. of the arsenal on which the unit is dependent for the supply of arms and machine guns, <i>vide</i> Appx. 59.	1	
I. S. A., Ishapore . . . . .	1	
C. C. M. A. concerned . . . . .	1	
O. C. unit . . . . .	1	Original copy received from the C. C. M. A.

**426.** *Inspection of Arms on charge of the Frontier Constabulary and Frontier Corps (Militia, Scouts, etc.) except the Chitral Scouts, whose arms will be inspected only once in two years.*

- (1) *Arms other than rifles No. 1, bayonets and scabbards, No. 1—*  
Inspection will be carried out annually.
- (2) *Rifles No. 1, bayonets and scabbards, No. 1—*
  - (i) 100 per cent. inspection will be carried out biennially.
  - (ii) 20 per cent. only will be inspected during each intervening year.
  - (iii) When 20 per cent. only are to be inspected, such arms will be selected for inspection by the C. C. M. A. from the numerical rolls of arms shewn on I. A. F. O.-1455—see paragraphs 393 and 430.
  - (iv) If, after the 20 per cent. of such arms have been inspected, the C. C. M. A. considers that further examination is necessary, he will inspect the remaining 80 per cent. forthwith.
  - (v) If the C. C. M. A. reports “Fair” or “Bad” on the condition of such arms a full 100 per cent. inspection will be carried out the following year.
- (3) All units will be included in the normal tour programmes of C. C. M. As.

**427.** *Inspection of arms on charge of civil units administered by the External Affairs and Political Departments not mentioned in paragraph 426.—*

- (1) Inspection of all units will be carried out on request.
- (2) Application for inspections will be made by all units to command headquarters in February prior to the year in which inspection is desired to enable the units to be included in the normal tour of the C. C. M. A.
- (3) The inspection year is from April 1st to March 31st.
- (4) 100 per cent. inspection will be carried out not more frequently than once in two years. 100 per cent. of the arms of half the units in the area will be inspected annually.
- (5) All units are responsible for ensuring that no one particular “arm” is inspected more frequently than once in two years.

**427-A.** *Inspection of time and Saluting Guns on charge of Indian States.—*

1. Inspection is divided into two classes, *viz.*, visual and full and will be carried out by an O. M. E.
2. Visual inspection will be carried out on request but not more frequently than once in two years.
3. Full inspection will be carried out on request but not more frequently than once in four years.



4. Application for both classes of inspection will be made to command headquarters in accordance with paragraph 427.

5. The cost of both classes of inspection will be borne as defined in paragraph 429.

428. Ammunition and explosives will be examined on request, samples being called for by C. O. Os. to enable tests to be carried out in arsenals. Units will not, therefore, be visited by ammunition inspecting officers unless a special request for this to be done is made to command headquarters.

429. No charge will be raised against the civil estimates for inspections carried out in the course of the normal tours of inspecting officers. A debit for tours undertaken for the express purpose of inspecting a unit administered by the External Affairs and Political Departments will, however, be raised against the civil estimates.

430. Preparation for, and procedure at, inspections will be the same as that laid down for regular units of the army. Officers commanding are responsible that all action is taken on the reports of inspecting officers, which will be distributed as under :—

Nature of report.	Distribution.							Remarks.
	O. C., Unit.	D. of A., A. H. Qrs.	I. S. A.	I. of A.	Chemical Inspector.	C. O. O.	Command Headquarters.	
Narrative report on ammunition (I. A. F. O.-2458).	1	..	..	1	1	1	..	
Detailed reports on ammunition (Relevant army forms).	Prepared in triplicate. Two copies to I. of A. for confirmation of sentence and return of one copy to inspecting officer who will send to unit for retention after completing his own copy.							

**430-A. DETAILS OF FORMS USED BY C. C. M. As. FOR RECORDING THE CONDITION OF ARMS AND MACHINE GUNS ON UNIT CHARGE; THEIR PREPARATION AND DISTRIBUTION.—**

(1) DETAILS OF FORMS USED :—

(a) I. A. F. O.-2263-E. . . . Small Arms.

(b) I. A. F. O.-2263-F. . . . Machine Guns.

(c) I. A. F. O.-2263-J. . . . Statement showing items lost or damaged the cost of which is debitable to the unit.

## (2) PREPARATION OF FORMS :—

- (a) The original copy of I. A. Fs. O.-2263-E and F will be prepared by the C. C. M. A. in manuscript and forwarded to the unit concerned.
- (b) The use of I. A. F. O.-2263-J is optional. If this form is used, columns 1, 2 and 3 only will be completed in manuscript by the C. C. M. A. Columns 4 and 5 of this form will be completed as may be directed by the Administrative Authorities concerned.
- (c) On receipt of the original copy of I. A. Fs. O.-2263-E and F (and J if used), the unit will prepare the requisite number of typed copies and distribute them as detailed in sub-para. (3) below.
- (d) When preparing the typed copies of I. A. Fs. O.-2263-E and F, the certificate signed by the O. C. unit that it is a true copy, is sufficient, and the signature of the C. C. M. A. is not necessary.

## (3) DISTRIBUTION OF FORMS :—

I. A. Fs. O.-2263-E, F and J will be distributed by the unit to officers defined below :—

Officer.	No. of copies.	Remarks.
Commandant, Frontier Constabulary, Peshawar.	1	In respect of Frontier Constabulary units only.
Inspecting Officer, Frontier Corps, Peshawar.	1	In respect of Frontier Corps (Scouts, Levies, etc.) only.
C. O. O. of the arsenal on which the unit is dependent for the supply of arms and machine guns, <i>vide</i> Appx. 59.	1	
I. S. A., Ishapore . . . . .	1	
C. C. M. A. concerned . . . . .	1	
O. C. unit . . . . .	1	Original copy received from the C. C. M. A.

**431.** *Inspection of arms on charge of Civil and Military Police and Jails.*—

- (1) Inspection of all units will be carried out on request.
- (2) Application for inspections will be made by all units to command headquarters in February prior to the year in which inspection is desired.
- (3) The inspection year is from April 1st to March 31st.
- (4) 100 per cent. inspection of the arms of military police will be carried out not more frequently than once in 2 years. 100 per cent. of the arms of half the units in the area will be inspected annually.

- (5) 100 per cent. inspection of the arms of civil police and jails will be carried out not more frequently than once in 3 years. 100 per cent. inspection of the arms of one-third of the units in the area will be inspected annually.
- (6) All *units* are responsible for ensuring that no one particular "arm" is inspected more frequently than once in 2 or 3 years as the case may be.

(7) *Special inspections of the arms of Civil Police :—*

Applications for such inspections will be forwarded to command headquarters.

Command headquarters will forward all such applications to A. Hqrs. accompanied by their remarks as to whether—

- (a) the inspection is recommended,
- (b) the extra work can be undertaken by the C. C. M. A. concerned, and if not, what special arrangements for the inspection are proposed.

432. Notification of the visit of the C. C. M. A. will be sent in advance and arrangements should be made locally to present all arms for inspection at one place.

433. Ammunition will be examined on request to C. O. Os., samples being called in to arsenals to enable tests to be carried out.

434. The cost of inspections will be debited to the civil estimates concerned. Os. C. formations are responsible that all action is taken on reports of inspecting officers which will be disposed of as follows :—

Nature of report.	Distribution.				Remarks.
	O. C. formation.	D. of A. A. H. Qrs.	I. S. A.	Com- mand Head- quarters.	
Report on results of ammunition tests.	Prepare in triplicate. Two copies to Inspector of Ammunition for confirmation of sentence and return of one copy to inspecting officer who will send it to the unit after completing his office copy.				

NOTE.—Inspection of the units mentioned in sub-sections 11 and 12 is to be carried out without prejudice to the inspection of regular units of the Army, R. A. F. or R. I. N. Should it be found impossible to carry out the inspection of the armed civil units mentioned on these terms, a representation accordingly will be made to Army Headquarters when the matter will be taken up with the departments of Government concerned. A record of these units and dates inspected will be maintained by A. Ds. O. S. of commands.

### 434-A. DETAILS OF FORM USED BY C. C. M. As. FOR RECORDING THE CONDITION OF ARM ON UNIT CHARGE; THEIR PREPARATION AND DISTRIBUTION.—

#### (1) DETAILS OF FORMS USED :—

- (a) I. A. F. O.-2263-E. . . Small Arms.
- (b) I. A. F. O.-2263-J. . . Statement showing items lost or damaged, the cost of which is debitable to the unit.

#### (2) PREPARATION OF FORMS :—

- (a) The original copy of I. A. F. O.-2263-E will be prepared by the C. C. M. A. in manuscript and forwarded to the unit concerned.
- (b) The use of I. A. F. O.-2263-J is optional. If this form is used, columns 1, 2 and 3 only will be completed in manuscript by the C. C. M. A. Columns 4 and 5 of this form will be completed as may be directed by the Administrative Authorities concerned.
- (c) On receipt of the original copy of I. A. F. O.-2263-E (and J if used), the unit will prepare the requisite number of typed copies and distribute them as detailed in subpara. (3) below.
- (d) When preparing the typed copies of I. A. F. O.-2263-E., the certificate signed by the O. C. unit that it is a true copy, is sufficient, and the signature of the C. C. M. A. is not necessary.

#### (3) DISTRIBUTION OF FORMS :—

I. A. Fs. O.-2263-E and J will be distributed by the unit to the officers defined below :—

Officer.	No. of copies.	Remarks.
I. G. of Police or Local Government as the case may be.	1	
I. S. A., Ishapore . . . . .	1	
C. C. M. A. concerned . . . . .	1	
O. C. unit . . . . .	1	Original copy received from the C. C. M. A.



For the existing page 164 *substitute* the following :—

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D. F. A. (O.) u/o No. 692/O-3 of 1941.

D. D. Regr. No. 11161/C. R. S. of 1941.

Amendment to E. Rs. (I.), Part I, Reprint 1939 *and* 1941.

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live cartridges returned with fired cases, action to be taken . . . . .	145
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*Page 166 (Amendment No. 44 of September 1939)—*

*Page 8—*

*After "R. A. O. C." for the existing entry substitute "arms and equipment for".*

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Amendment to E. Rs. (I.), Part I, Reprint, 1939.



No. 44 of September 1939.

*For the existing page 166 substitute the following :—*

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stripping of arms forbidden, except by	133
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will train n. c. os. and men	223
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"    "    difference of opinion over	262
"    and polishing of bayonets	136
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"    for damages	236, 238, 239, 240
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For the existing page 167 substitute the following :—

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No. 88 of December 1939.

*Page 167 (Amendment No. 45 of September 1939)—*

*Against “ paragraph 273 ” for the existing entry substitute “ testing of, for serviceability ”.*

*Under “ Paragraph ” after “ 159 ” for “ 12 ” substitute “ 122 ”.*

Case No. 29769/9/M. G. 9-D.

Amendment to E. Rs. (I.), Part I, Reprint, 1939.

No. 89 of December 1939.

*Page 168 (Amendment No. 46 of September 1939)—*

*Outset “Bedding, etc.” in line with “Bayonets”.*

Case No. 29769/9/M. G. 9-D.

Amendment to E. Rs. (I.), Part I, Reprint, 1939.

No. 149 of March 1941

Page 168, as inserted by Amendment No. 46 of September, 1939.

Under "Bugle strings, renewals of" insert :-  
"Bugles, silver plated, for rifle regiments . . . 130-A.

Case No. 16972/M.G. 9-C

D.F.A. (O). u.o. No. 223/0-2 of 194

D.D. Reg. No. 1212/C.R.S. of 194

Amendment to E.Rs. (I)., Part 1, Reprint, 1939.

C. Mac L. G. OGILVIE,

Secretary to the Government of India

For the existing page 168 substitute the following :—

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Page 169—

No. 22 of July 1939.

Under "Care and Preservation", after "Horse clippers", insert:—

"Ink marking

353-A."

Case No. 14180/M. G. 9-C.  
D. D. Regr. No. 5077/C. R. S. of 1939

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).

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Case No. 29588/M. G. 9-D.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).

For the existing page 169 substitute the following:—

C

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instructions for rangefinding, optical and scientific instruments		360
lances		365
Lewis guns		37, Appx. 22
mathematical instruments		301, 307
mobilization equipment		364
ordnance in forts and defences		290
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No. 90 of December 1939.

*Page 169 (Amendment No. 47 of September 1939)—*

*Under “ Paragraph “ for “ 331 ”, “ 340 ” and “ 344 ” substitute “ 334 ”,  
“ 340 ” and “ 341 ” respectively.*

Case No. 29768/9/M. G. 9-D.

Amendment to E. Rs. (I.), Part I, Reprint, 1939.



*Page 170—*

*Insert* the following as a new item *under* Chest, Tools, M.T. (filled), detail of :—

“Chests for rifles and machine guns—storage while in unit charge....6-B.”

Case No. 10758/M. G. 3.

D. F. A. (O.) u/o No. 7852/R. P. of 1939.

D. D. Regr. No. 10047/C. R. S. of 1939.

Amendment to E. Rs. (I.), Part I, Reprint, 1939.

# No. 48 of September 1939.

*For the existing page 170 substitute the following :—*

	Para.
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certificate of transfer of stores . . . . .	11, 12
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verification of prints, fuze scales, range tables, etc. . . . .	108
Chargers, s. a. a., surplus, return and disposal of . . . . .	148
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	Para.
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#### Clippers horse—

care of, etc. . . . .	360
scale of . . . . .	37, Appx. 19
Clipping Machines, scale of . . . . .	37, Appx. 19
Committees, C. O. Os. will arrange with District Commanders the date on which Standing Barrack Committees will assemble . . . . .	118
Compasses, free issue of . . . . .	21
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Compensation for arms returned to I. A. O. C. . . . .	157

#### Components—

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of arms allowed annually . . . . .	251, Appx. 12
„ „ required in excess of authorised allowance . . . . .	252
„ „ unserviceable, to be returned immediately on replacement . . . . .	159
of bicycles . . . . .	255
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#### Covers—

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Decoppering guns with tin foil . . . . .	333
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fired cases issued for rifle meetings . . . . .	208
found at Unit commander's inspection . . . . .	6
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„ „ „ explanation to be given . . . . .	4

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Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).

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verification of prints, fuze scales, range tables, etc. . . . .		108
Chargers, s. a. a., surplus, return and disposal of . . . . .		148
Charities and surahis, local purchase of . . . . .		32
Chemicals, examination and storage of . . . . .		353
Chest, Tools, M. T. (filled), detail of . . . . .	38, Appx.	48
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Chitral, inspection of arms of units moving to and from . . . . .		375
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Committees, C. O. Os. will arrange with District Commanders the date on which Standing Barrack—will be assembled . . . . .		118
Compasses, free issue of . . . . .		21
Complaints, and proposals concerning stores . . . . .	229 to 234	
Compensation for arms returned to I. A. O. C. . . . .		157
Components—		
G. S. wagons, detail of . . . . .	38, Appx.	41
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of arms allowed annually . . . . .	251, Appx.	12
of arms required in excess of authorised allowance . . . . .		252
of arms, unserviceable, to be returned immediately on replacement . . . . .		159
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Case No. 29588/M. G. 9-D.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).

For the present page 171 *substitute* the following :—

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No. 92 of December 1939.

Page 171 (*Amendment No. 49 of September 1939*)—

Under “Paragraph” against “Despatch of stores, buffers, when emptied before despatch” for the existing entry *substitute* “91”.

Case No. 29769/9-M. G. 9-D.

Amendment to E. Rs. (I.), Part I, Reprint, 1939.

No. 158 of May 1941.

Page 172, (Amendment No. 50 of September 1939)—

Page 17, "*Equipment*"—

*Insert the following as a new item under "peace, required for war to be complete" :—*

P. O. L. Stores Unit scale of . . . Appendix 72.

Case No. 34632/M. G. 9-B.  
D. F. A. (O.) u/o No. 2463/O-2 of 1941.  
D. D. Regr. No. 5013/C. R. S. of 1941.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).

No. 93 of December 1939.

*Page 172 (Amendment No. 50 of September 1939)—*

*Page 17—*

*Under “ Paragraph ” for “ 32 ” substitute “ 325 ”.*

Case No. 29769/9/M. G. 9-D.

Amendment to E. Rs. (I.), Part I, Reprint, 1939.

For the existing page 172 substitute the following :—

E

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## E

Para.

## Establishments—

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## Equipment—

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doubtful serviceability, action to be taken	161
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Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).

For the existing page 173 substitute the following :—

	Para.
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No. 94 of December 1939.

*Page 174 (Amendment No. 52 of September 1939)—*

In line 13 for “how shewn oi” substitute “how shewn on”.

Amendment to E. Rs. (I.), Part I, Reprint, 1939.

Case No. 29769/9/M. G. 9-D.



For the existing page 174 substitute the following :—

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"    for large quantities of blank, G. O. C. will render . . . . .	207
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*After “Inflammable liquids, etc.”, insert :—*

“Ink marking, care and preservation of . . . . . 353-A.”

Case No. 14180/M. G. 9-C.

D. D. Regr. No. 5077/C. R. S. of I

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).

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Case No. 29588/M. G. 9-D.

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No. 53 of September 1939.

For the existing page 175 substitute the following :—

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No. 95 of December 1939.

*Page 175 (Amendment No. 53 of September 1939)—*

*Outset “Indian Superior Personnel, etc.” to read in line with “Indian States Forces”.*

*Page 21—*

*In line 21 for “grena” substitute “grenade”.*

*In line 25 under “Para.” for the existing entry substitute “section XXVI”.*

Case No. 29769/9/M. G. 9-D.

Amendment to E. Rs. (I.), Part I, Reprint, 1939.

For the existing page 176 substitute the following :—

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Case No. 29588/M. G. 9-D.

Amendment to E. Rs. (I.), Part I, 1933 (Reprint 1939).

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alteration to, without sanction is forbidden		9
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deviation from, forbidden		3
notification of change of, indents to be submitted		54
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Pistols . . . . .	67
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recoveries for . . . . .	70
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*Under “ Recoveries ” against “ 236 to 238 ” and “ 243 ” for the existing entries substitute “ arms, charges for damaged ” and “ bicycles, charges for damaged ” respectively.*

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For the existing page 180 *substitute* the following :—

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## Proposals, alteration to pattern or scale, etc.

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## Rings, refund allowed to I. S. units

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## Rangefinders—

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form to accompany, when sent for repair	275
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bicycles, charges for damaged	243
brass and copper recovered from projectiles, rates for	146
drum head, bugle and trumpet strings, cost when recovered from drummers, etc.	129
empty and fired cartridge cases, lead and fired bullets, rates for	146
ground sheets, lost or damaged	296
stores issued on payment, rates for	70
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## Recuperators—

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## Refunds—

excess stoppages on account of stores lost or damaged	179-180
fired cases, etc., returned by non-regular units	143
gun ammunition pings returned by Indian States Forces	171
organizations not administered by the Defence Department	162
service revolvers	157
to R. A. F., R. I. N. and M. E. S., re unserviceable stores	172
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44

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## Repair—

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web equipment, tools and materials for . . . . .	265, Appx. 10
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## Reports—

ammunition, defective . . . . .	215
arms and components, delay in return of . . . . .	159
deficiencies in hermetically closed cases . . . . .	96
defects and failures . . . . .	229, 230, 231
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discrepancies in consignments . . . . .	95
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For the existing page 181 substitute the following:—

Repair—*omitted*.

arms—*omitted*.

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artificers, to whom to apply for	245
artillery equipment	246
artillery equipment in defences	244
" " units without artificers	244
beyond regimental artificers capabilities, application for	249
bicycles	254, 255
co-operation of battery artificers for heavy	245
harness and saddlery	256
khus khus tatties	120
lanes, scale of materials for	37, Appx. 22
machine guns	246
materials—	
by whom supplied	30
expended due to neglect	250
harness and saddlery	256, Appx. 21
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negligently expended	250
not to be used for unauthorized purposes	30
not to exceed authorised proportion	31
purchase of, by Sappers and Miners units	30
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sale or exchange of, forbidden	250
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For the existing page 182 substitute the following :—

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regarding losses of small arms cases

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## Responsibility of—

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## Re-tinning of utensils

270

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ammunition packages, special precautions	142
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bedding, disinfection of, before	158
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charges, ammunition, and cotton bandoliers	148
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due to reduction in proportion or establishment	19
of reservists	285
units in arsenals stations	163
experimental equipment	235
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obturators	155
packing cases	176
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recuperators	249
rocking bar sights	249
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„ turnover of . . . . .	78
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Sight clinometers, test of, and demand for replacement of . . . . .	76, Appx. 13
Signal— . . . . .	277
cartridges, scale of . . . . .	
„ turnover and test of . . . . .	217, Appx. 2
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Ropes Heel—

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*For the existing page 185 substitute the following :—*

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*Page 186 (Amendment No. 64 of September 1939)—*

*Under “ Paragraph ”—*

*After “ 108 ” insert “ 6 ”.*

*For “ 67 ” substitute “ 367 ”.*

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