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# FIELD SERVICE MANUAL, 1914.

40

W.O.

2061

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## INFANTRY BATTALION. (EXPEDITIONARY FORCE.)

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**NOTE.**—Field Service Manuals are not the authority for the supply of war outfit of units. The details, laid down in latest Mobilization Store Tables, Equipment Regulations, Clothing Regulations, &c., will be followed.

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(a) See also Section 3.

## Section 1.—General Notes. ♦

**1. Basis of establishment and outfit.**—The tables contained in this Manual are drawn up on the basis of a campaign in a civilized country, and in a temperate climate. When mobilization is for a campaign under different conditions, certain modifications will become necessary, and will be notified from the War Office.\*

**2. War establishment.**—The normal war establishment of an infantry battalion, showing its composition as regards personnel and animals, is given in Section 2, and no men or horses in excess of the "total battalion" will be allowed to accompany the unit in the field, except as provided for in para. 9 and footnote.†

The transport officer shown in italics (p. 8), is not included as such in the total battalion, but forms part of the company establishment of officers.

For purposes of administration, the details of battalion headquarters including the machine gun section (other than the battalion commander, senior major, adjutant, medical officer and quartermaster) are posted to companies of the battalion as supernumerary to the establishment of platoons. Their distribution is at the discretion of the battalion commander, but should be so arranged that the numbers so posted to companies shall be approximately equal.

With the exception of the warrant officer and staff serjeants, the details of the battalion headquarters and machine gun section (other than officers) will sleep and mess with their companies, or otherwise as the battalion commander may direct.

**3. Transport.**—The transport of a battalion is shown after its war establishment. The transport is divided in the field as follows:—

**1st line.**—(which always accompanies the battalion on the march): S.A.A. and water carts; G.S. limbered wagons for tools; Maltese cart; limbered wagon for machine guns; pack and spare animals; and cooks' wagon or travelling kitchens.

**Train transport** (under the A.S.C.): G.S. Wagons.

The four G.S. wagons, train transport, are numbered consecutively and allotted as follows:—

**Baggage section.**—Nos. 1 and 2, baggage and general stores.

No. 1 carries for "A" and "B" companies and attached details, and No. 2 carries for "C" and "D" companies and attached details. In addition the wagons share the balance of regimental equipment, not belonging to companies.

**Supply section.**—Nos. 3 and 4, supplies.

---

\* This manual has been based on War Establishments, Part I, Expeditionary Force, 1914, and on A.F. G.1098-43 dated February, 1914.

† In the case of units which have not exchanged their cooks' wagon for 4 travelling kitchens, the establishment will be decreased by 3 drivers and 6 draught horses.



**A.S.C. drivers.**—The train transport is provided by the Army Service Corps. When in the field, rations, &c., for these men and horses are carried by the company of the train to which the men and horses belong.

Spare drivers for train transport are included in the war establishment of the Army Service Corps company of the train to which the drivers belong. One man per wagon and one N.C.O. per battalion will be detailed to accompany the train wagons of the unit.

The personnel and animals of the A.S.C. train transport allotted to the battalion will accompany it by rail and oversea, joining the A.S.C. train on arrival in the area of concentration.

**4. Horses, spare.**—Spare draught horses are allowed at the rate of 10 per cent. A driver is allowed for each pair of spare horses.

**Veterinary arrangements.**—The horses and transport animals of an infantry battalion belonging to a division are in the veterinary charge of the veterinary officer with the Infantry Brigade Headquarters. Those of the battalion with army troops are in charge of the veterinary officer with the army troops train. The director of veterinary services or his representative with the headquarters of the inspector-general of communications will detail a veterinary officer to take charge of the animals of a battalion on the lines of communication.

**Shoeing.**—The shoeing of horses and transport animals will be carried out by the battalion cold shoers, assisted by the farriers of the Army Service Corps company to which the train drivers of the battalion belong.

**5. Medical and sanitary arrangements.**—An officer for medical charge, and rank and file for water duties, &c., are provided by the R.A.M.C. One N.C.O. and eight privates per battalion are trained in sanitary duties. On arrival in camp, billets, or bivouac, they are available for sanitary duties, and are placed under the orders of the medical officer for camp sanitation purposes, working in conjunction with the R.A.M.C. personnel attached. At all other times they take their places in the ranks.

**6. Bâtmén.**—Bâtmén in the field are allowed at the rate of one for each dismounted officer, or mounted officer with one horse, and two for each mounted officer with two horses.

All bâtmén are fully armed and trained soldiers, and are available for duty in the ranks.

**7. Reinforcement.**—Drafts to replace wastage are calculated for infantry at the rate of 44 per cent. for the first six months, or 80 per cent. during the first year of a war. The first portion of these drafts is known as "first reinforcement," and is calculated at 10 per cent. of rank and file. The first reinforcement mobilizes with the battalion, but, unless otherwise ordered, will not accompany it when it leaves its place of mobilization. Special instructions will be issued for the movement of these details.

Other details shown in the table as "left at the base" also mobilize with the battalion; the orderly room serjeant is detached

to join the A.G.'s office at the base; the remainder are attached with the first reinforcement to one of the infantry base depôts.

**8. War outfit.**—War outfit is the material of all kinds which a unit requires for war.

The method of carrying it is laid down in Sections 3-7.

(a) **Ordnance stores.**—The ordnance stores required on mobilization are laid down in the mobilization store table for an infantry battalion (expeditionary force).

(b) **Clothing and necessaries.**—The clothing and necessaries required on mobilization are detailed in the Regulations for the Clothing of the Army, Part III.

(c) **Supplies; and medical equipment.**—Details of the scale of supplies will be found in War Establishments and Allowance Regulations; medical equipment in Regulations for the Medical Services of the Army.

(d) **Stationery.**—The stationery considered necessary for an infantry battalion in the field is shown in "Tables of Books, Army Forms and Stationery taken into the field by units of the Expeditionary Force," issued with Army Orders. A list of contents is pasted inside the lid of each stationery box.

**9. Blankets.**—Blankets for personnel are not included in the normal scale of war outfit; but, when specially ordered, one blanket per man will be carried. This necessitates an addition of two G.S. wagons to the normal scale of transport; the extra personnel, horses and vehicles required, are shown in a note on the War Establishment table (page 11). The blankets may be distributed, as found convenient, between the additional G.S. wagons and Nos. 1 and 2 G.S. wagons allotted for the carriage of baggage and stores.

**10. Replenishment of stores.**—General requisites, such as spare parts, and materials for repair, are calculated on the assumption that it will be possible to replenish them at intervals of about a fortnight.

**11. Mobilization.**—The arrangements for bringing a battalion up to War Establishment in men and horses, and for the completion of its war outfit are laid down in Mobilization Regulations.

Orders for movement, when mobilization is complete, will be issued from the War Office to General Officers Commanding-in-Chief.

# Section 2.—WAR ESTABLISHMENT AND TRANSPORT.

## An Infantry Battalion. War Establishment.

Detail.	Personnel.						Horses and Cobs.					Remarks.	
	Officers.	Warrant officers.	Staff-serjeants and serjeants.	Drummers or buglers.	Rank and file.	Total.	Riding.	Draught.	Heavy draught.	Pack cobs.	Total.		Bicycles.
Headquarters (excluding attached)	4	1	8	...	61	74	7	22	...	1	30	9	For transport <i>see</i> p. 11.
" attached	1	...	1	...	5	7	1	1	...	...	1	...	(a) 1 N.C.O. and 8 men are trained in sanitary duties.
Machine-gun section	1	...	1	...	16	18	1	4	...	...	5	...	(b) Battalions which have an authorized peace establishment of pipers will have 1 serjeant-piper and 5 pipers in addition.
4 companies	24	...	40	16	828	908	4	...	8	8	20	...	
Total battalion (excluding attached)	29	1	49	16	905	1,000	12	26	8	9	55	9	
" (a) (including attached)	30	1	50	16(b)	910	1,007	13	26	8	9	56	9	

For transport *see* p. 11.  
 (a) 1 N.O.O. and 8 men are trained in sanitary duties.  
 (b) Battalions which have an authorized peace establishment of pipers will have 1 serjeant-piper and 5 pipers in addition.

## DETAILS LEFT AT THE BASE. (Not included in the above totals.)

Storemen, first reinforcement, &c. ...	1	..	4	..	93	100	..	..	..	..	..	..
--	---	----	---	----	----	-----	----	----	----	----	----	----

# An Infantry Battalion—continued.

## COMPOSITION IN DETAIL.

### (i) Personnel, Horses and Cobs.

Detail.	Personnel.						Horses and Cobs.					Remarks.
	Officers.	Warrant officers.	Staff-serjeants and buglers.	Drummers or buglers.	Rank and file.	Total.	Riding.	Draught.	Heavy draught.	Pack cobs.	Total.	
<i>Headquarters.</i>												
Lieutenant-colonel ...	...	...	...	...	...	1	2	...	...	...	2	...
Major ...	1	...	...	...	...	1	1	...	...	...	1	...
Adjutant ...	...	...	...	...	...	1	1	...	...	...	1	...
Quartermaster ...	...	...	...	...	...	1	1	...	...	...	1	...
<i>Transport officer (c)</i> ...	...	1	...	...	...	...	...	...	...	...	...	...
Serjeant-major ...	...	...	1	...	...	1	...	...	...	...	...	...
Quartermaster-serjeant ...	...	...	1	...	...	1	...	...	...	...	...	...
Orderly-room clerk (d) ...	...	...	1	...	...	1	...	...	...	...	...	...
Serjeant-drummer ...	...	...	1	...	...	1	...	...	...	...	...	...
Serjeant-cook... ..	...	...	1	...	...	1	1	...	...	...	1	...
Transport-serjeant ...	...	...	1	...	...	1	...	...	...	...	...	...
Serjeant-shoemaker ..	...	...	1	...	...	1	...	...	...	...	...	...
Drivers (1st line { for vehicles	...	...	...	...	...	9	...	18	...	...	18	...
transport), { for spare animals	...	...	...	...	...	2	...	3	...	1	4	...
Bâtmen (e) ...	...	...	...	...	...	6	...	...	...	...	...	...
Pioneers—	...	...	...	...	...	...	...	...	...	...	...	...
Pioneer-serjeant ...	...	...	1	...	...	1	...	...	...	...	...	...
Pioneers ...	...	...	...	...	...	10	...	...	...	...	...	...
Signallers—	...	...	...	...	...	...	...	...	...	...	...	...
Serjeant ...	...	...	1	...	...	1	...	...	...	...	...	...





# An Infantry Battalion—continued.

## COMPOSITION IN DETAIL—continued.

### (i) Personnel, Horses and Cobs—continued.

Detail.	Personnel.							Horses and Cobs.					Remarks.
	Officers.	Warrant officers.	Staff-serjeants and serjeants.	Drummers or buglers.	Rank and file.	Total.	Kidding.	Draught.	Heavy draught.	Pack cobs.	Total.	Bicycles.	
Privates	...	...	...	...	188	188	...	...	...	...	...	...	...
Drivers (1st line transport)	...	...	...	...	3	3	...	...	...	2	2	4	...
Batmen (e)	...	...	...	...	6	6	...	...	...	...	...	...	...
Total company (j)	6	...	10	4	207	227	1	...	2	2	5	...	...

(c) One subaltern of the battalion will act as transport officer.

(d) The orderly-room clerk may be of the rank of corporal, in which case he will be deducted from the serjeants and added to the rank and file.

(e) Batmen are fully armed and trained soldiers, and are available for duty in the ranks.

(f) Two men (one a lance-corporal), trained for the duties, will be placed under the orders of the medical officer. The private drives the cart for medical equipment.

(g) On mobilization the band of a Line battalion is broken up: those bandsmen not required as stretcher bearers being distributed among the companies. A battalion of Foot Guards has no band. The two extra company serjeant-majors of a battalion of Foot Guards will, on mobilization, replace the serjeant and corporal of the band. Eight rank and file are trained in semaphore signalling.

NOTE.—The above establishment includes 8 lance-serjeants (2 per company) and 49 lance-corporals, including orderly for medical officer with headquarters (and signallers).

### DETAILS LEFT AT THE BASE.

Orderly-room-serjeant	...	...	...	...	...	...	...	...	...	...	...	...
Serjeant of the band	...	...	...	...	...	...	...	...	...	...	...	...
Serjeant-tailor	...	...	...	...	...	...	...	...	...	...	...	...
Storemen	...	...	...	...	...	...	...	...	...	...	...	...
First reinforcement...	...	...	...	...	...	...	...	...	...	...	...	...

(k) One storeman will mobilize with each company.

(ii) *Transport.*

Detail.	Vehicles.	Drivers.	Horses and Cobs.			Remarks.
			Draught.	Heavy draught.	Pack Cobs.	
1st line.						
Headquarters ...	bicycle, for signallers ...	9	...	...	...	(1) Medical officer's orderly.
	{ S.A.A. ...	5	10	...	...	
	{ carts, { Maltese, for medical equip- water ...	1 (1)	1	...	...	
	wagons limbered, G.S., for tools ...	2	4	...	...	
	drivers for spare animals ...	2	4	...	...	
Machine-gun section ...	wagon, limbered, G.S., for 2 machine- guns, tripods and ammunition ...	2	3	...	1	(2) Battalions which do not possess travelling kitchens will have in lieu 1 wagon, G.S., for cooks, with 1 driver and 2 heavy draught horses. (2) Provided by the Army Service Corps.
	{ cart, S.A.A. ...	1	2	...	...	
	{ pack cobs, for ammunition (2 per company) ...	1	2	...	...	
	{ travelling kitchens (1 per com- pany) (2) ...	8	...	...	8	
	4 companies ...	4	4	...	...	
Train.						
Headquarters ...	{ wagons, G.S., for baggage, stores, and supplies ...	4	4 (2)	8	...	
	Total ...	25	26	8	9	

NOTE.—When special<sup>2</sup> ordered, one blanket per man is carried, and 2 G.S. wagons in addition will be required. For these vehicles, 2 extra A.S.C. drivers and 4 extra heavy draught horses will be added to the train transport of the battalion.

## Section 3—FIELD KITS.

## A.—MOUNTED OFFICERS.

Detail.	No.	Approximate weight.		Remarks.
		lbs.	ozs.	
A.—CLOTHING WORN BY THE OFFICER.				
Boots, ankle ... .. pair	1	2	11	
Braces ... .. "	1	0	4	
Cap, service dress (or glen-garry), with badge ... ..	1	0	9	
Disc, identity, with cord ...	1	0	0½	
Leggings ... .. pair	1	0	13	
Socks ... .. "	1	0	4	
Spurs ... .. "	1	0	12	
Suit, service dress (jacket and riding breeches) ... ..	1	4	13	
Underclothing ... .. suit	1	3	0	
Total (A) ... ..	—	13	2½	
B.—OTHER PERSONAL EFFECTS.				
Books, { A.B. 155 ... ..	1	1	0	
Field Service Pocket Book... ..	1	0	6½	
Cap, comforter (in pocket of great coat) ... ..	1	0	3½	
Compass, magnetic, pocket (or prismatic, in case) ... ..	1	0	4	
Dressing, field (in skirt of jacket) ... ..	1	0	2	
Glasses (binoculars or telescope; or both, in one case) ...	1	2	0	Slung from left shoulder.
Grease (or vaseline) in wallets tin	1	0	2	
Greatcoat ... ..	1	7	1½	Rolled, 26 inches long.
Handkerchief ... ..	1	0	2	behind saddle.
Holdall (in wallets); containing knife, fork and spoon, hairbrush and comb, tooth brush, shaving brush and razor ... ..	1	1	3	



A.—Mounted Officers—*continued.*

Detail.	No.	Approximate weight.		Remarks.
		lbs.	ozs.	
B.—OTHER PERSONAL EFFECTS— <i>continued.</i>				
Knife, clasp, with ring and swivel ... ..	1	0	6	
Map... ..	1	0	2	
Matches ... .. box	1	0	1	
Soap (in wallets)... .. piece	1	0	3	
Socks ( " ) ... .. pair	1	0	4	
Towel ( " ) ... ..	1	0	13	
Watch (in wrist strap) ... ..	1	0	4	
Whistle and lanyard ... ..	1	0	2½	
Total (B) ... ..	—	14	12	
C.—ACCOUTREMENTS (SEALED PATTERN).				
Bag, ration ... ..	1	0	4	* Fastened by off baggage strap to off side of saddle.
Belt, "Sam Browne" (waist-belt, 2 shoulder belts, ammn. pouch, pistol case, and sword frog) ... ..	1	2	0	
Haversack ... ..	1	0	11	
Mess-tin ... ..	1	1	9*	
Sword knot ... ..	1	0	1½	
Waterbottle (aluminium) and sling ... ..	1	0	14	
Total (C) ... ..	—	5	7½	
D—ARMS.				
Pistol (no special pattern, but must carry government ammunition) ... ..	1	2	3	On left side of S.B. belt. On near shoe case, edge to rear.
Sword ... ..	1	2	1½	
Schbard, leather ... ..	1	0	9½	
Total (D) ... ..	—	4	14	
E.—AMMUNITION.				
Cartridges, S.A. ball, pistol, Wdey ... ..	12	0	9½	

A.—Mounted Officers—*continued.*

Detail.	No.	Approximate weight.		Remarks.	
		lbs.	ozs.		
F.—RATIONS AND WATER.					
Bread ration (unconsumed portion) ... .. say	—	0	12	<p>*Normally one iron ration will be carried, and a second iron ration when specially ordered. The components of these rations will be distributed in the officer's equipment as found most convenient.</p> <p>† In addition to this list, officers may, at their own discretion, provide a <b>despatch</b> or a <b>saddle-bag</b>. If an officer is allowed more than one horse, the saddle-bag can be carried on the spare horse.</p> <p>‡ When empty, on the off shoe case fastened to the baggage strap. When oats are carried, the strap of the nosebag must be fastened to the back arch of the saddle.</p> <p>§ The method of carrying the horse brush and rubber is left to the discretion of the O.C. except that these articles are not to be carried in the nose-bag.</p> <p>   Heel ropes are allowed for use with restive horses on a scale of 25 per cent. An additional peg is issued with each heel rope. The picketing peg is strapped on the sword scabbard. The heel rope, when carried, is folded flat and placed between the cantle of the saddle and the greatcoat.</p> <p>¶ Excludes weight of saddle blanket. Saddle blankets for officers' horses are carried in transport vehicles on the march.</p>	
Cheese ... ..	—	0	3		
{ Biscuit ... ..	—	0	12		
{ Preserved Meat (nominal) ... ..	—	1	0		
*Iron Ration { Tea ... $\frac{1}{4}$ oz. }	—	—	6½		
{ Sugar ... 2 oz. }					
{ Salt ... $\frac{1}{2}$ oz. }					
{ Cheese ... ..					
{ Meat Extract, cubes	2	0	1		
Water ... .. pints	2½	2	13		
Total (F) ... ..	—	6	2½		
G.—†SADDLERY, PICKETING GEAR, STABLE NECESSARIES, ETC.					
†Bag, nose, G.S., with 6 lbs. corn ... ..	1	7	0		
§Brush, horse ... ..	1	0	10		
Pad, surcingle ... ..	1	0	10		
§Peg, picketing ... ..	1	1	3		
Ropes, { heel    ... ..	1	0	11		
{ picketing ... ..	1	0	15		
Rubber, horse ... ..	1	0	10		
Saddlery, complete, with bridle and head rope ... set	1	33	12		
Shoe cases, each with shoe and nails ... ..	2	3	4		
Total (G) ... ..	—	48	11		
TOTAL WEIGHT CARRIED ON THE HORSE.					
A.—Clothing ... ..	—	13	2½		
B.—Other personal effects ... ..	—	14	12		
C.—Accoutrements ... ..	—	5	7½		
D.—Arms ... ..	—	4	14		
E.—Ammunition ... ..	—	0	9½		
F.—Rations and water ... ..	—	6	2½		
G.—Saddlery, picketing gear, stable necessities, etc. ...	—	48	11		
H.—Rider ... .. say	—	150	0		
Total on horse ... ..	—	243	1	Say 17½ st.	

## CARRIED IN TRAIN TRANSPORT.

The following list is drawn up as a general guide, and the articles in it may be varied, but the total weights (excluding articles in camp kettles) of 50 lbs. for a commanding officer, or 35 lbs. for other officers, must not be exceeded :—

Detail.	No.	Approximate weight.		Remarks.
		lbs.	ozs.	
<i>A.F. B 122 (cover and pad.)</i> Field				
<i>conduct book</i> ... ..	1	0	11	} <i>Company commanders only.</i>
<i>A.F. 6 (cover)</i> <i>A.F. N 1513.</i> Ac-				
<i>quittance roll</i> ... ..	1	0	15	
<i>Boots, ankle</i> ... .. pair	1	2	11	} <i>In Camp Kettle.</i>
<i>Bucket, canvas</i> ... ..	1	1	4	
<i>Housewife</i> ... ..	1	0	4	
<i>Lantern, collapsible, with talc</i>				} One camp kettle is al-
<i>sides</i> ... ..	1	0	12	
<i>Leggings</i> ... .. pair	1	0	13	
<i>Portfolio, with writing materials</i>	1	1	0	} <i>allowed for every 3 officers, who pack into it—each:—</i>
<i>Shoes, canvas</i> ... .. pair	1	1	5	
<i>Socks</i> ... ..	1	0	4	
<i>Suit, service dress</i> ... ..	1	4	13	} <i>Cup, enamelled</i> ... 1
<i>Towels</i> ... ..	2	1	10	
<i>Underclothing</i> ... .. suit	1	3	0	
<i>Valise, Wolseley (or other</i>				} <i>Plates, enamelled...</i> 2
<i>pattern)</i> ... ..	1	11	3	
				} <i>Pots, { pepper</i> ... 1
				} <i>salt...</i> ... 1
				} The weight of these
				} articles is not included in
				} the 50 or 35 lbs. allowed
				} to each officer.
				} If preferred, officers
				} may take private cooking
				} apparatus <i>in lieu</i> of camp
				} kettles. In this case an
				} extra baggage allowance
				} of 6 lbs. per officer will
				} be admitted.
Total ... ..	—	28	15	

OTE.—Officers may leave at the base a bullock trunk packed with 100 lbs. of hial baggage. This reserve baggage will be forwarded only when it may be ced convenient to the service by the Commander-in-Chief.

## B.—DISMOUNTED OFFICERS.

Detail.	No.	Approximate weight.		Remarks.
		lbs.	ozs.	
A.—CLOTHING WORN BY THE OFFICER.				
*Boots, ankle ... .. pair	1	2	11	* Officers of kilted regiments wear in lieu— <b>Apron, Garters, Hosetops, Kilt, Shoes, Spats,</b> which add about 1 lb. 12 oz. to the weight of the clothing
*Braces ... .. "	1	0	4	
Cap, service dress (or glengarry) with badge ... ..	1	0	9	
Disc, identity, with cord ...	1	0	0½	
Puttees ... .. pair	1	0	13	
Socks ... .. "	1	0	4	
*Suit, service dress ... ..	1	4	13	
Underclothing ... .. suit	1	3	0	
Total (A) ... ..	—	12	6½	
B.—OTHER PERSONAL EFFECTS CARRIED BY THE OFFICER.				
Books, { A.B. 153 ... ..	1	0	10	
Field Service pocket book ... ..	1	0	6½	
Cap, comforter (in pocket of greatcoat) ... ..	1	0	3½	
Compass, magnetic, pocket (or prismatic, in case) ... ..	1	0	4	
Dressing, field (in skirt of jacket) ... ..	1	0	2	
Glasses (binoculars or telescope, or both, in one case) ...	1	2	0	
Greatcoat... ..	1	7	1½	
Handkerchief ... ..	1	0	2	
Knife, clasp, with ring and swivel ... ..	1	0	6	
Map... ..	1	0	2	
Matches ... .. box	1	0	1	
Watch (in wrist strap) ... ..	1	0	4	
Whistle, and lanyard ... ..	1	0	2½	
Total (B) ... ..	—	11	13	
C.—ACCOUTREMENTS (SEALED PATTERN).				
Bag, ration ... ..	1	0	4	
Belt, Sam Browne, complete (waistbelt, 2 shoulder belts, sword frog, ammunition pouch, pistol case) ... ..	1	2	0	
Carrier, greatcoat, and coat straps ... ..	1	0	9	
Haversack ... ..	1	0	11	



B.—Dismounted Officers—*continued.*

Detail.	No.	Approximate weight.		Remarks.
		lbs.	ozs.	
C.—ACCOUTREMENTS (SEALED PATTERN)— <i>continued.</i>				
Mess-tin ... ..	1	1	9	
Sword knot ... ..	1	0	1½	
Waterbottle (aluminium) and sling ... ..	1	0	14	
Total (C) ... ..	—	6	0½	
D.—ARMS.				
Pistol (no special pattern, but must carry Government ammunition) ... ..	1	2	3	
Sword ... ..	1	2	1½	
Scabbard (leather) ... ..	1	0	9½	
Total (D) ... ..	—	4	14	
E.—AMMUNITION.				
Cartridges, S.A., ball, pistol, Webley ... .. rounds	12	0	9½	
F.—RATIONS AND WATER.				
Bread ration, unconsumed portion; say ... ..	—	0	12	
Cheese ... ..	—	0	3	
Biscuit ... ..	—	0	12	
Preserved meat (nominal) ... ..	—	1	0	
*Iron Ration { Tea ... ⅔ oz. } in tin	—	—	6½	* Normally one iron ration will be carried, and a second iron ration when specially ordered. The components of these rations will be distributed in the officer's equipment as found most convenient.
Sugar 2 oz. }	—	—		
Salt ... ½ oz. }	—	—		
Cheese ... ..	—	0	3	
Meat extract cubes	2	0	1	
Water ... .. pts.	2½	2	13	
Total (F) ... ..	—	6	2½	
TOTAL WEIGHT CARRIED ON THE PERSON.				
A.—Clothing ... ..	—	12	6½	
B.—Other personal effects ... ..	—	11	13	
C.—Accoutrements ... ..	—	6	0½	
D.—Arms ... ..	—	4	14	
E.—Ammunition ... ..	—	0	9½	
F.—Rations and water ... ..	—	6	2½	
Total carried ... ..	—	41	14	

B.—Dismounted Officers—*continued.*

## CARRIED IN TRAIN TRANSPORT.

The following list is drawn up as a general guide, and the articles in it may be varied, but the total weights (excluding articles in camp kettles) of 50 lbs. for a commanding officer or 35 lbs. for other officers, must not be exceeded :—

Detail.	No.	Approximate weight.		Remarks.
		lbs.	ozs.	
<i>A.F. B 122 (Cover and pad). Field conduct book ... ..</i>	1	0	11	} <i>Company commanders only.</i>
<i>A.F. 6 (Cover) A.F. N 1513 (pad). Acquittance roll... ..</i>	1	0	15	
<i>Boots, ankle ... .. pair</i>	1	2	11	
<i>Bucket, canvas ... ..</i>	1	1	4	} <i>In Camp Kettle.</i>
<i>Grease (or vaseline) ... tin</i>	1	0	2	
<i>Holdall, (containing hairbrush and comb, toothbrush, shaving brush and razor)</i>	1	1	0	} One camp kettle is allowed for every 3 officers who will pack into it—each:—
<i>Housewife ... ..</i>	1	0	4	
<i>Lantern, collapsible, with talc sides ... ..</i>	1	0	12	} <i>Cup, enamelled ... 1</i>
<i>Puttees ... .. pair</i>	1	0	13	
<i>Portfolio, with writing materials</i>	1	1	0	} <i>Fork, table... .. 1</i>
<i>Shoes, canvas ... .. pair</i>	1	1	5	
<i>Soap ... .. piece</i>	1	0	3	} <i>Knife, table ... 1</i>
<i>Socks ... .. pairs</i>	2	0	8	
<i>Suit, service dress ... ..</i>	1	4	13	} <i>Plates, enamelled... 2</i>
<i>Towels ... ..</i>	2	1	10	
<i>Underclothing ... .. suit</i>	1	3	0	} <i>Pots, { pepper ... 1</i>
<i>Valise (Wolseley) or other pattern ... ..</i>	1	11	3	
<i>Total ... ..</i>	—	30	8	} <i>Spoon, table ... 1</i>

NOTE.—Officers may leave at the base a bullock trunk packed with 100 lbs. of personal baggage. This reserve baggage will be forwarded only when it may be deemed convenient to the service by the Commander-in-Chief.

**C.—WARRANT OFFICERS, NON-COMMISSIONED OFFICERS, AND MEN  
(DISMOUNTED).**

Detail.	No.	Approximate weight.		Remarks.
		lbs.	ozs.	
A.—CLOTHING, ETC., WORN BY THE SOLDIER.				
* Boots, ankle ... .. pair	1	4	0	<p>* For kilted regiments substitute:—</p> <p>lbs. ozs.</p> <p><b>Apron, kilt</b> ... 0 12½</p> <p><b>Gaiters, High-</b></p> <p><b>land</b> ... 0 10½</p> <p><b>Garters</b> and</p> <p><b>rosettes</b> ... 0 1½</p> <p><b>Hosetops</b> ... 0 4½</p> <p><b>Kilt</b> ... 3 13</p> <p><b>Shoes, Highland</b> 3 8</p> <p>† Troops wearing khaki drill sent on active service from a warm to a temperate climate will be supplied with service dress jackets and trousers as soon as available.</p> <p>In warm weather the cardigan may be carried in the pack.</p>
* Braces ... .. „	1	0	4½	
Cap, service dress or (glengarry), with badge ... ..	1	0	9	
Disc, identity, with cord ...	1	0	0½	
* Drawers, woollen ... pair	1	1	0½	
Jacket, service dress,† and metal titles, with field dressing ...	1	2	8	
Knife, clasp, with marline spike and tin-opener ... ..	1	0	8	
Paybook (in right breast pocket of S.D. jacket) ... ..	1	0	2	
* Puttees ... .. pair	1	0	13	
Shirt ... ..	1	1	2	
Socks ... .. pair	1	0	4½	
* Trousers, service dress† „	1	2	0½	
Waistcoat, cardigan ... ..	1	1	7	
Total (A) ... ..	—	14	11	
B.—ARMS. †				
Rifle, with oil-bottle, pull-through, and sling ... ..	1	8	15½	<p>† Rangetakers and pipers are armed with pistols. Drummers and buglers are unarmed.</p> <p>Men of the M.G. detachments will place their rifles in the limbered wagon when the M.G. is removed. Men leading pack animals will carry their rifles slung.</p> <p>N.C.Os. armed as staff-serjeants, and rangetakers, have no bayonet. Pipers wear dirks.</p>
Bayonet and scabbard ... ..	1	1	8½	
Total (B) ... ..	—	10	8½	
C.—AMMUNITION.				
Cartridges, S.A., ball, .303 inch ... .. rounds	120	7	3	<p>N.C.Os. equipped as staff-serjeants carry 25 rounds.</p> <p>Pioneers carry 80 rounds.</p> <p>Signallers „ 50 „</p> <p>Drummers and buglers have no S.A.A.</p> <p>Pipers and rangetakers carry 12 rounds of pistol ammunition.</p>

**C.—Warrant Officers, Non-Commissioned Officers, and Men  
(Dismounted)—continued.**

Detail.	No.	Approximate weight.		Remarks.		
		lbs.	ozs.			
D.—TOOLS.						
Implement, in-trenching, pattern 1908	head ...	1	1	5½	Colour-serjeants, N.C.Os. armed as staff-serjeants, pipers, signallers, and rangetakers carry no in-trenching implements. (For signallers the implements are carried in tool wagons.)	
	helve ...	1	—	8½		
	Carriers for ditto	head ...	1	—		9½
		helve ...	1	—		1½
	—	2	9½			
E.—ACCOUTREMENTS.						
Bag, ration ...	1	0	4	The armourer has a waist-belt and two 15-round cartridge pockets, bandolier equipment, pattern 1903; and a great-coat strap and mess-tin strap, valise equipment, pattern 1888. † Except rangetaker, and pipers.		
Waterbottle, with carrier ...	1	1	6			
Web equipment, pattern 1908:—						
Belt, waist ...	1	0	13			
Braces, with buckle ...	2	0	11			
Carriers, cartridge, { left† ...	1	0	14½			
75 rounds { right† ...	1	0	14½			
Frog† ...	1	0	3			
Haversack (18½ ozs.), with knife (3 ozs.), fork (3 ozs.), and spoon (2½ ozs.) ...	1	1	11½			
Pack, with supporting straps (2) ...	1	1	11			
Total (E)...	—	8	8½			
F.—ARTICLES CARRIED IN THE PACK.						
Cap, comforter ...	1	0	4	Nos. 1 to 4 of M.G. section will have their packs carried for them on the march in the G.S. limbered wagon for M.G. The greatcoats of pipers may be worn <i>en banderole</i> over the left shoulder, or, with their packs, carried for them in transport vehicles on the march, at the discretion of the Commanding Officer. * Exclusive of weight of iron ration, which is accounted for in "G" below.		
Holdall (3½ ozs.), containing laces (¼ oz.), tooth-brush (½ oz.), razor and case (3 ozs.), shaving-brush (1¼ ozs.), and comb (½ oz.) ...	1	0	8½			
Greatcoat, with metal titles ...	1	6	10½			
Housewife, fitted ...	1	0	3½			
Mess-tin and cover ...	1	1	6½			
Socks, worsted ... pair	1	0	4½			
Soap ... piece	1	0	3			
Towel, hand ...	1	0	9			
Total (F)* ...	—	10	1½			



C.—Warrant Officers, Non-Commissioned Officers, and Men  
(Dismounted)—*continued.*

Detail.	No.	Approximate weight.		Remarks.
		lbs.	ozs.	
G.—RATIONS AND WATER.				
Bread ration (unconsumed portion) ... .. (say)	—	0	12	* Normally one iron ration will be carried in the pack. If a second iron ration is ordered to be carried, the components of both rations will be distributed in the man's equipment as found most convenient.
Cheese ... ..	—	0	3	
{ Biscuit ... ..	—	0	12	
{ Preserved meat (nominal)	—	1	0	
*Iron ration { Tea ... $\frac{5}{8}$ oz. } In a	—	0	6 $\frac{1}{2}$	
{ Sugar 2 ozs }	—	0	6 $\frac{1}{2}$	
{ Salt ... $\frac{1}{2}$ oz. }	—	0	3	
{ Cheese ... ..	—	0	3	
{ Meat extract cubes	2	0	1	
Water ... .. pints	2	2	8	
Total (G)... ..	—	5	13 $\frac{1}{2}$	
TOTAL WEIGHT CARRIED.				
A.—Clothing worn ... ..	—	14	11	
B.—Arms ... ..	—	10	8 $\frac{1}{2}$	
C.—Ammunition ... ..	—	7	3	
D.—Tools ... ..	—	2	9 $\frac{1}{4}$	
E.—Accoutrements ... ..	—	8	8 $\frac{1}{4}$	
F.—Articles in pack ... ..	—	10	1 $\frac{1}{2}$	
G.—Rations and water ... ..	—	5	13 $\frac{1}{2}$	
§ Total ... ..	—	59	6 $\frac{3}{4}$	

§ This is the normal weight carried by a private. But exceptions occur in the case of N.C.Os. and certain other ranks (signallers, range-takers, &c.), for which see "Remarks" and Table D.

The above arrangements allow of the soldier having normally with him the whole of his equipment; but in certain circumstances the commander may decide to increase the amount of S.A.A. carried on the person, and to discard temporarily certain articles of equipment, *e.g.*, pack and contents.

## D.—ADDITIONAL ARTICLES CARRIED BY CERTAIN DISMOUNTED MEN.

Articles.	No. per battalion.	Approximate weight of each.		By whom carried.	Remarks.	
		lbs.	ozs.			
<i>Musical Instruments.</i>						
Bugles, with strings (a) ...	8	1	10	Buglers or drummers.	Drummers and buglers carry neither arms nor ammunition in war.	
Drums (a) { bass (with apron) ...	1	23	0	Bass drummer.		
with cases { side (with apron) ...	8	10	15	} Drummers.		
Flutes (a) { B Flat ...	6	0	12½			
with cases { F ...	2	1	0			
Piccolos (a) { E Flat ...	1	0	7			
with cases { F ...	1	0	6	} Pipers.		
Pipes (b) ...	6	8	0			
Signalling Equipment ...	...	...	...	... ..	See Section 7F, page 55.	
Reconnaissance Equipment.	...	...	...	...		
Binoculars, in cases { non-prismatic ...	32	1	14	8 per company ...		
prismatic ...	2	2	15	Machine-gun section.		
Compasses, magnetic, pocket ...	32	0	2	Scouts.		
Telescopes, signalling, with stands ...	2	3	2	Carried under personal charge of C.O. and adjutant (one each).		
<i>Miscellaneous.</i>						
Breakers, wire, No. 1 ...	16	0	2½	Distributed as convenient, and carried either in an empty ammunition pocket of web equipment or in a pocket of the S.D. jacket.	Range-takers carrying the one-man instrument (selected corporals or lance-serjeants) will be armed with pistols, and will carry neither rifles, bayonets, nor intrenching implements.	
Cutters, wire, in frogs ...	24	1	4	4 pairs per company, remainder by pioneers.		
Dirks, scabbards, and loops	6(b)	1	3½	Pipers.		
Pistol, Webley, with cleaning rod, lanyard, case, ammunition pouch, and 12 rounds ...	5	3	11½	Range-takers.		
Rangefinders, infantry (c), (with cover, frog and stand)—	6(b)	3	11½	Pipers.		
No. 1 ...	5	9	3	Range-takers. One instrument per company and one for the M.G. section.		
No. 2 (in lieu) ...	5	12	3	Senior company N.C.Os.		
Reflectors, mirror, S.A. ...	24.	0	1	Senior company N.C.Os.		
Saws, folding, complete, in leather cases ...	32	1	12½	8 per company.		The saw will be carried in its case, either in the pack or on the waist-belt.
Stretchers, ambulance ...	8	34	0	2 per company: in Maltese cart on the march, and by stretcher bearers in action. (d)		
Whistles, infantry ...	85	0	1½	N.C.Os. not below the rank of corporal.		

(a) Rifle and Light Infantry battalions require 17 (instead of 8) bugles and strings, but are not entitled to any of the other musical instruments.

(b) Scots Guards and Highland battalions only.

(c) The No. 1 Infantry R.F. (Marindin), in canvas cover, weighs 7½ lbs., and No. 2 Infantry R.F. (Barr and Stroud), in canvas cover, weighs 10½ lbs.

(d) Regimental stretcher bearers wear an armlet ("S.B.") on the left arm above the elbow when actually employed as such. 20 armlets per battalion are allowed.

## E.—INFANTRY CYCLIST.

(9 bicycles are allowed per battalion, for use of signallers.)

Articles.	No. and how carried.				Approximate weight.		Remarks.
	On cyclist.	On cycle.			lbs.	ozs.	
		Front carrier.	Rear carrier.	In clips.			
<b>A.—CLOTHING, ETC., WORN BY THE SOLDIER.*</b>							
Boots, ankle ... .. pair	1	—	—	—	4	0	* Cyclists of kilted regiments will wear S.D. trousers, puttees, and ankle boots instead of the kilt, &c. † Troops wearing khaki drill sent on active service from a warm to a temperate climate will be supplied with service dress jackets and trousers as soon as available. In warm weather the cardigan may be carried in the pack.
Braces ... ..	1	—	—	—	0	4½	
Cap, service dress (or glengarry), with badge ... ..	1	—	—	—	0	9	
Disc, identity, with cord ... ..	1	—	—	—	0	0½	
Drawers, woollen ... .. pair	1	—	—	—	1	0½	
Jacket, service dress,† and metal titles, with field dressing ... ..	1	—	—	—	2	8	
Knife, clasp, with marline-spike and tin opener ... ..	1	—	—	—	0	8	
Paybook (in right breast pocket of S.D. jacket) ... ..	1	—	—	—	0	2	
Puttees ... .. pair	1	—	—	—	0	13	
Sheet, ground, Mark V (for use as cape) ... ..	—	1	—	—	2	8	
Shirt ... ..	1	—	—	—	1	2	
Socks ... .. pair	1	—	—	—	0	4½	
Trousers, service dress† ... ..	1	—	—	—	2	0½	
Waistcoat, cardigan ... ..	1	—	—	—	1	7	
Total (A) ... ..	—	—	—	—	17	3	
<b>B.—ARMS.</b>							
Rifle, with oil-bottle, pull-through, and sling ... ..	—	—	—	1	8	15½	
Bayonet and scabbard ... ..	1	—	—	—	1	8½	
Total (B) ... ..	—	—	—	—	10	8½	
<b>C.—AMMUNITION.</b>							
Cartridges, S.A., ball, '303-inch ... .. rounds	50	—	—	—	3	0	
<b>D.—ACCOUTREMENTS.</b>							
Bag, ration ... ..	1	—	—	—	0	4	
Waterbottle, with carrier ... ..	1	—	—	—	1	6	
<i>Web equipment, pattern 1908:—</i>							
Belt, waist ... ..	1	—	—	—	0	13	
Braces with buckle ... ..	2	—	—	—	0	11	
Carriers, cartridge, { left ... ..	1	—	—	—	0	14½	
75 rounds, { right ... ..	1	—	—	—	0	14½	
Frog ... ..	1	—	—	—	0	3	
Haversack (19 ozs.), with knife (3 ozs.), fork (3 ozs.), and spoon (2½ oz.) ... ..	1	—	—	—	1	11½	
Pack, with supporting straps (2)	—	—	1	—	1	11	
Total (D) ... ..	—	—	—	—	8	8½	

E.—INFANTRY CYCLIST—*continued.*

Articles.	No. and how carried.				Approximate weight.		Remarks.
	On cyclist.	On cycle.			lbs.	ozs.	
		Front carrier.	Rear carrier.	In clips.			
E.—ARTICLES CARRIED IN THE PACK.							
Cap, comforter ... ..	—	—	1	—	0	4	
Holdall (3½ ozs.), containing laces (½ oz.), tooth-brush (¼ oz.), razor and case (3 ozs.), shaving-brush (1½ ozs.), and comb (½ oz.) ... ..	—	—	1	—	0	8½	
Greatcoat, with metal titles ...	—	—	1	—	6	10½	
Housewife, fitted ... ..	—	—	1	—	0	3½	
Mess-tin and cover ... ..	—	—	1	—	1	6½	
Socks, worsted ... .. pair	—	—	1	—	0	4½	
Soap ... .. piece	—	—	1	—	0	3	
Towel, hand ... ..	—	—	1	—	0	9	
Total (E) ... ..	—	—	—	—	10	1½	
F.—RATIONS AND WATER.							
Bread ration, (unconsumed portion)... .. say	1	—	—	—	0	12	
Cheese ... .. piece	1	—	—	—	0	3	
Biscuit ... .. ration	1	—	—	—	0	12	
Preserved meat lbs. (nom.)	1	—	—	—	1	0	
*Iron Ration { Tea ¼ oz. } in a tin ...	1	—	—	—	0	6½	* Normally one iron ration will be carried in the pack. If a second iron ration is ordered to be carried, the components of both rations will be distributed in the man's equipment as found most convenient.
Sugar 2 oz. }							
Salt ½ oz. }							
Cheese ... .. piece	1	—	—	—	0	3	
Meat extract cubes	2	—	—	—	0	1	
Water ... .. pints	2	—	—	—	2	8	
Total (F) ... ..	—	—	—	—	5	13½	
TOTAL WEIGHT CARRIED.							
A.—Clothing worn ... ..	—	—	—	—	17	3	
B.—Arms... ..	—	—	—	—	10	8½	
C.—Ammunition ... ..	—	—	—	—	3	0	
D.—Accoutrements ... ..	—	—	—	—	8	8½	
E.—Articles in pack ... ..	—	—	—	—	10	1½	
F.—Rations and water ... ..	—	—	—	—	5	13½	
Total ... ..	—	—	—	—	53	2½	



## F.—MOUNTED MEN.

The transport serjeant and regimental drivers are clothed and equipped, as are other infantrymen (Table C), with the following exceptions :—

(a) Bedford cord pantaloons are worn instead of service dress trousers, and cotton instead of woollen drawers ; each man has a pair of jack spurs. Regimental transport personnel of kilted regiments will also wear boots instead of Highland shoes, and puttees instead of gaiters. Chin-straps will be supplied to men wearing glengarry caps.

(b) Intrenching implements are not carried.

(c) Each driver has a whip and legging.

The following are carried on the horses of the transport serjeant and regimental drivers :—

Articles.	Trans- port Serjeant (on the horse).	Drivers.		Approximate weight of each.	
		Near horse.	Off horse.	lbs.	ozs.
Bags, nose, G.S., each with 6 lbs. corn ... ..	1	...	2	7	0
Brushes, horse ... ..	1	...	2	0	10
Harness ... .. sets	...	1	1	{ 73 75	0 0
Pads, surcingle (on surcingle under horse) ... ..	1	1	1	0	10
Pegs, picketing, with rope loop ...	1	1	1	1	3
Ropes, picketing ... ..	1	1	1	0	15
Rubbers, horse ... ..	1	...	2	0	4
Saddlery, complete, with saddle blanket and headrope ... set	1	..	...	29	4

Instructions for A.S.C. drivers will be found in A.S.C. training, Part I. Special picketing gear is allowed for their heavy draught horses.

Men leading pack animals are clothed as drivers.

Rifles of drivers of G.S. limbered wagons, carts, S.A.A. and water tank, will be carried in the clips provided on the wagon for that purpose. On vehicles not specially fitted the rifles will be carried on wagon footboards.

## NOTES.

**Packs.**—The packs of the transport serjeant and of the regimental drivers of 1st line transport vehicles may be carried on the vehicles. Those of drivers of spare horses and of pack animals will be on the man.

**Saddle blanket.**—Under the riding or pack saddle. Saddle blankets for officers' horses and horses with luggage saddles are carried in the vehicles, on the march.

**Heelropes** are allowed for use with restive horses on a scale of 25 per cent. An additional peg is issued with each heel rope.

**Picketing gear** (or any part of it) may, at the discretion of the commanding officer, be carried in the regimental transport vehicles. A proportion of **mallets**, **heelpeg** (about 1 to 20 horses) will be carried on 1st line transport vehicles.

**Nose bags.**—When luggage saddle is worn on the off horse, one bag on each side of the luggage saddle is fastened to the near arch (or ring with O.P. saddle).

Carried in the wagon when luggage saddle is not worn.

**Horse brush and rubber.**—The method of carrying is left to the discretion of officers commanding, except that these articles are not to be in the nosebag.

#### G.—ARTICLES LEFT AT THE BASE FOR EACH MAN.

**Kit bags**, containing the spare kit detailed below, will be handed over to the O.C. base details to be taken to the oversea base with the base details, and will be left in charge of company storemen at the Infantry Base Depôt to be forwarded only as may be deemed convenient to the Service by the Commander-in-Chief.

Articles.	No.	Remarks.
<i>Clothing.</i>		
Boots, ankle (a) ... .. pair	1	(a) Shoes, Highland, for kilted regiments, but cyclists and regimental transport personnel of kilted regiments will not leave a spare pair of boots or shoes at the base.
Drawers (b) ... .. "	1	
Jacket, service dress (c) ... ..	1	
Shoes, canvas (if in possession) pair	1	
Trousers, service dress (d) ..	1	
		(b) Not for kilted men.
<i>Necessaries.</i>		
Brush, hair ... ..	1	(c) Not for serving soldiers of Foot Guards, and Highland Light Infantry and kilted regiments.
Hosetops (e) ... .. pair	1	
Shirt, flannel ... ..	1	(d) Not for serving soldiers of Foot Guards and kilted regiments.
Socks, worsted ... .. pair	1	
Towel, hand ... ..	1	(e) Men of kilted regiments only, cyclists and regimental transport personnel excepted.

The boots (or Highland shoes) will be tied together, with the soles outwards, the regimental number of the man and the name and number of the battalion being chalked or otherwise legibly marked on the soles. The boots (or shoes) will be placed in the mouth of the kit bag to admit of them being readily withdrawn, should it be necessary to forward them separately to the troops in the field.

## Section 4.—PACK TRANSPORT LOADS; AND SPARE ANIMALS.

### A.—PACK ANIMAL FOR SMALL-ARM AMMUNITION.

(2 Animals per Company.)

Articles.	No. per Animal.	Approximate weight.		Remarks.
		lbs.	ozs.	
<b>Bags,</b> { line gear, with pair of spare shoes in shoe-case ...	1	1	8	(a) Each containing 1,000 rounds.
nose, G.S. (with unexpended forage) ...	1	6	0	
<b>Blanket,</b> saddle ...	1	5	4	(b) 4 canvas buckets, &c., which are distributed amongst the whole of the pack animals.
<b>Brush,</b> horse ...	1	0	10	
<b>Cartridges,</b> S.A., ball, .303-inch, (charger packed) in bandoliers (a) boxes	2	149	8	
<b>Packsaddle,</b> G.S., small (with cover and lashing) ... set	1	60	0	
<b>Pad,</b> surcingle ...	1	0	10	
<b>Peg,</b> picketing, with rope loop ...	1	1	3	
<b>Rope,</b> { head ...	1	0	9	
heel* ...	1	0	11	
picketing ...	1	0	15	
<b>Rubber,</b> horse ...	1	0	4	
<b>Share of additional gear</b> (b) say ...	...	2	0	
<b>Total equipment and load</b> ...	...	229	2	

\* 25 per cent. only. An additional peg is carried with each rope.

## B.—ARTICLES CARRIED BY SPARE HORSES.

1 <i>Spare Riding Horse</i>	} <i>per Battalion.</i>
3 <i>Spare Draught Horses</i>	
1 <i>Spare Pack Horse</i>	

Bag, nose, G.S.	...	...	...	} 1 per horse.
Bit, portmouth, reversible	...	...	...	
Blanket, saddle	...	...	...	
Brush, horse	...	...	...	
Collar, head	...	...	...	
Pad, surcingle	...	...	...	
Peg, picketing, with rope loop*	...	...	...	
Reins, bit	...	...	...	
Ropes, { head	...	...	...	
{ picketing	...	...	...	
Rubber, horse	...	...	...	} 1 per pack horse.
Surcingle, leather	...	...	...	
Bags, line gear	...	...	...	
Straps, bit attachment	...	...	...	2 per horse.

In addition to the above, the following articles are distributed amongst the spare horses in the proportion shown :—

Buckets, water, G.S., canvas	...	1 per 2 horses.
Ropes, heel (with picketing peg)...	...	1 per 4 horses.

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\* An additional peg is carried for each heel rope.



## Section 5.—CART AND WAGON EQUIPMENT.\*

### A.—SMALL ARM AMMUNITION CART.

(6 per Battalion.)

Articles.	No.	Approximate weight.		How packed.	Remarks.
		lbs.	ozs.		
Board, inventory, wood, with list ... ..	1	0	11	} In the locker.	
Brush, water, carriage ...	1	0	10		
Buckets, water, G.S., canvas ... ..	7	8	12	Strapped on front board.	(a) Comprising:—
Cordage, tarred, spun-yarn hemp, 3-thread lbs.	5	5	0	In the locker.	Hammer, claw, 16-ozs. 1
Grease, lubricating ...	3	3	0	In grease box.	Pincers, carpenters, pair 1
Lashings, white, 1-inch, 30-feet ... ..	2	2	6	In the locker.	Screwdriver, G.S., 6-inch ... 1
Ropes, drag, light, G.S. pair	1	6	6	Strapped on foot-board.	Spanner, adjustable, 11-inch ... 1
Tools, for opening S.A.A. boxes ... .. sets (a)	1	4	4	In leather pocket on near side.	(b) Covers, rifle ... 1
Valise, horseshoe, small, with 2 pairs of shoes (and nails) ... ..	1	6	0		(c) The following spare parts are carried:—
Total equipment ... ..	...	37	1		2 blocks, brake, } In the field and trans- } locker.
S.A.A. cart, with components, accessories (b) and spare parts (c) ... ..	...	955	0		1 pin, lynch, } In pocket
Cart equipped ... ..	...	992	1	= 8 $\frac{3}{4}$ cwt., about.	2nd class ... } on near side.
					1 washer, drag, 2nd class C ... }

\* Horseshoes do not form part of cart and wagon "equipment," but will be taken from the "spare" allowed for the unit and carried in valises in the proportions shown in this Section.

## B.—MALTESE CART.

(1 per Battalion.)

Articles.	No.	Approximate weight.		How packed.	Remarks.
		lbs.	ozs.		
<b>Axes,</b> { felling, curved helve ...	1	6	0	} On the rear underside of the cart.	
{ pick, { head ...	1	4	8		
{ helve, 36-inch, ferruled ...	1	3	4		
<b>Board,</b> inventory, wood, with list ...	1	0	11	} As convenient.	
<b>Brush,</b> water, carriage ...	1	0	10		
<b>Bucket,</b> water, G.S., canvas ...	1	1	4	} Tied to end of rope which secures tarpaulin cover.	
<b>Cordage</b> tarred, spun-yarn, hemp, 3-thread lbs.	5	5	0		
<b>Grease,</b> lubricating ...	3	3	0	In the grease box.	
<b>Hook,</b> bill ...	1	2	0	On the front underside of cart.	
<b>Ropes,</b> drag, light, G.S. pair	1	6	6	On the body of the cart.	
<b>Shovels,</b> G.S. ...	2	7	0	One on each side.	
<b>Valise,</b> horseshoe, small, with 3 pairs of shoes (and nails) ...	1	9	0		
<b>Total equipment</b> ...	...	48	11		(a) Cover.
<b>Maltese cart,</b> with components, accessories (a), and spare parts (b) ...	...	733	0		(b) Carried in the pocket on the offside, and consisting of—
<b>Cart equipped</b> ...	...	781	11	= 7 cwt., about.	Pins, 1 1/2 inch, 3rd class ... 1 Washer, drag, 3rd class, "B" ... 1

### C.—CART, WATER TANK, WITH FILTERING APPARATUS.

(2 per Battalion.)

Articles.	No.	Approximate weight.		How packed.	Remarks.
		lbs.	ozs.		
Axes, { heads, 4½ lb. ... pick { helvcs, 36 in. ferruled	1	4	8	In small store box.	(c) Caps, protecting couplings, filling pipes, apparatus filtering ...
Board, inventory, wood, with list { cleaning tank (b)	1	3	4	In sterilizing kettle.	Covers, short rifle ...
Brushes, { washing ... { water, carriage ...	1	...	11	} In small store box.	Kettle, sterilizing candles, appar- atus, filtering ...
Buckets, water, G.S., canvas ...	1	...	10	}	Measure, clarifying powder, 83 grains ...
Clarifying powder (a) lbs.	1	1	4	In 4 tins.	(d) Carried in small store box and consisting of:—
Cordage, tarred, spun yarn, hemp, 3-thread... .. lbs.	2	2	0	Secured by lashing as convenient.	Bands, candle cover, sterilizing filter ...
Grease, lubricating ... "	5	5	0	In grease box.	Blocks, brake, field and transport ...
Shovels, G.S. ... "	3	3	0		Candles, sterilizing, apparatus filtering
{ apparatus, fil- tering adjustable, 11- inch ...	1	3	8		Caps, protecting couplings, filling pipes, apparatus filtering ...
Spanners,	1	0	6½		
No. 297 (dif- ferential pump)(a)	1	1	15	In small store box.	
Valise, horseshoe, small (with 4 pairs of shoes and nails) ...	1	...	6½		
	1	9	0	On cart.	

C.—Cart, Water Tank, with Filtering Apparatus,—*continued.*

(2 per Battalion.)

Articles.	No.	Approximate weight.		How packed.	Remarks.	No.	Marks of Cart.
		lbs.	ozs.				
Total { equip- ment, { Marks IIA and IIB { carts { Mark IIC cart { Mark III cart	...	33	4			2	IIA to III
	...	35	10			2	IIC and III
	...	36	2½			1	IIA and IIB
Cart, water { tank (with components, accessories, (c), and spare parts (d),	...	1,482	8	} Approximate.	Collars, cylinder cover bolts, apparatus, filtering ...	2	IIA to III
	...	1,650	0		Covers, clarifying reel, apparatus filtering (cloth) ...	2	IIC and III
	...	1,694	0		Measures, clarifying powder, 83 grains ...	1	IIA and IIB
	...				Nuts, { hexagon, ¾-inch ...	2	IIA to III
	...				{ wing, cylinder cover bolts, apparatus filtering ...	2	IIA to III
	...				Packings, differential pump (in tin box):—		
	...				Rings, leather, L section, set of 3, sets	1	IIC and III
	...	1,515	12		Washers, leather, " 4, "	1	III
	...	1,685	10		Pins, linch, { 2nd class ...	1	IIA to IIC
	...	1,730	2		Reels, clarifying, apparatus filtering (cloth covered) ...	1	IIA to III
Cart, equipped { (approximate), { Marks IIA and IIB { Mark IIC { Mark III	...					2	IIC and III



Rings (rubber round section),	cylinder cover, clarifying filter ... ..	2	IIA to III
	candle, spindle, sterili- zing filter ... ..	12	IIA to III
Strips, cover, clarifying reel (rubber)	...	4	IIc and III
Twine, packing, middling ... balls	...	1	IIA to III
Tap, water, small, No. 3 ... ..	...	1	"
Washers,	candle, spindle, sterilizing, filter (leather) ... ..	8	"
	clarifying reel (rubber) ... ..	12	IIc and III
	cylinder cover, sterilizing (rubber) ... ..	2	IIA to III
	drag, { 2nd class, "O" ... ..	1	III
	{ 3rd class, "B" ... ..	1	IIA to IIc
	union, { 1-inch hose ... ..	8	IIA
	{ 3/4-inch hose ... ..	8	IIb to III

(a) Marks IIc and III carts only.

(b) Mark III carts only.

## D.—G.S. LIMBERED WAGON.

(3 per Battalion.)

Articles.	No.	Approximate weight.		How packed.	Remarks.	
		lbs.	ozs.			
FORE PORTION.						
Board, inventory, wood, with list ... ..	1	0	11	Locker, near side.	(a) Comprising— Hammer, claw, 16-oz. 1 Pincers, carpenters, pair 1 Screwdriver, G.S., 6-inch ... 1 Spanner, adjustable, 11-inch ... 1 (b) Attachments, frame, supporting pole bar ... 4 Covers, short rifle ... 1 Covers, wagon... 2 (c) The following spare parts are carried in the near side locker, fore portion— Blocks, brake, field and transport... 2 Collar, adjusting, 2nd class, "C" capped wheels ... 1 Pins, linch. 2nd class, "C," capped wheels ... 1 Washer, drag, 2nd class, "C," capped wheels ... 1	
Brush, water, carriage ...	1	0	10	Near side.		
Buckets, water, G.S., canvas ... ..	2	2	8	Tied to end of rope which secures tarpaulin cover.		
Cordage, spunyarn, hemp, tarred, 3-thread lbs.	5	5	0	Near side.		
Grease, lubricating ...	3	3	0	In the grease box.		
Tools, opening, S.A.A. boxes ... .. set (a)	1	4	4	Locker, near side.		
Valise, horseshoe, small, with 4 pairs of shoes (and nails) ... ..	1	12	0			
HIND PORTION.						
Grease, lubricating lbs.	3	3	0	In the grease box.		
Ropes, drag, light, G.S. pair	1	6	6	On perch.		
Total equipment ...	...	37	7			
G.S. limbered wagon with components, accessories (b), and spare parts (c) ...	...	1,235	8			
G.S. limbered wagon, equipped ... ..	...	1,272	15	= 11½ cwt. (about).		

E.—G.S. WAGON.  
(4|| per Battalion.)

(B 11023)

Articles.	No.	Approximate weight.		How packed.	Remarks.
		lbs.	ozs.		
<b>Axes,</b> { felling, curved helve... pick, { head... helve, 36-in., ferruled ...	1 1 1	6 4 3	0 8 4	{ In the locker.	(a) Cover, 1; Spanner, No. 93, 1§. (b) Swingletree, 1; and the following packed in the locker:—
<b>Board,</b> inventory, wood, with list	1	0	11		
<b>Brush,</b> water carriage ...	1	0	10	{ In the locker.	<b>Blocks,</b> brake, field and transport <b>Collars,</b> adjusting:— 2nd class, "C," capped wheels ... 3rd class "B," capped wheels ... <b>Lashings,</b> tarred, 1½-in., 32 ft.†... <b>Pins,</b> linch:— 2nd class ... 3rd class ... 2nd class "C," capped wheels ... 3rd class "B," capped wheels ... <b>Washers,</b> drag:— 2nd class, "C" ... 3rd class, "B" ... 2nd class, "C," capped wheels ... 3rd class, "B," capped wheels ...
<b>Buckets,</b> water, G.S., canvas...	2	2	8		
<b>Cordage,</b> tarred, spunyarn, hemp, 3-thread...	5	5	0	{ In the grease boxes. In the locker. Strapped under the raves, off side. In the locker.	No. Mark of Wagon.
<b>Grease,</b> lubricating ... lbs.	6	6	0		
<b>Hook,</b> bill... "	1	2	0	{ In the locker.	2 VI to X* 1 X* 1 X* 1 III to X* 1 IX and X† 1 III to X 1 X* 1 X*
<b>Ropes,</b> drag, light, G.S.... pair	1	6	6		
<b>Shovels,</b> G.S. ...	2	7	0	{ In the locker.	1 IX and X† 1 III to X 1 X* 1 X*
<b>Valise,</b> horseshoe, large, with 3 pairs of shoes (and nails) ...	1	12	0		
Total equipment ...	...	55	15	{ In the locker.	1 IX and X† 1 III to X 1 X* 1 X*
G.S. wagon with components, accessories (a), and spare parts (b)...	...	1,932	8		
G.S. wagon, equipped	...	1,988	7	= 17½ cwt. (about).	

|| 5 per battalion when not in possession of travelling kitchens. 2 more G.S. wagons may be used when blankets are specially ordered to be carried (see Section 2 (ii), footnote).  
† Lashings, white, 1-in., 32 ft., when 1½-in. tarred lashings are used up.  
‡ Also Marks VI to VIII\*\* with 2nd class hind axletrees.  
§ Marks IX, X, and X\* wagons. Only required when using No. 43 wheel.

# **F.—TRAVELLING KITCHEN.**

(4 per Battalion.)

Articles.	No.	Approximate weight.		How packed.	Remarks.
		lbs.	ozs.		
LIMBER.					
Valise, horseshoe, large, with 2 pairs of shoes (and nails) ...	1	10	8	In "off" locker under rear.	(a) Attachments, hame, supporting pole bar... 4 Cover, rifle (on footplate of limber) ... 1
*Remainder of equipment and Cooks' implements ...about	...	90	0		(b) Collar, adjusting... } 2nd class, "O," capped Pin, lynch... } wheels Washer, drag ... } (carried in wallet in "off" locker, under rear of limber).
Total equipment ...about		100	8		
Kitchen, with components, accessories (a), and spare parts (b)		1,982	0	Approximate only.	
Travelling kitchen equipped ...		2,082	8	=18½ cwt., about.	

\* The kitchen equipment and cooks' implements, &c., are under consideration.



## Section 6.—CART AND WAGON LOADS.

The distribution of the loads carried by transport vehicles, shown in this section, has been arrived at after a series of packing trials, and a departure from it would only be justified by exceptional circumstances.

For purposes of calculation, the approximate load for a G.S. wagon with 2 heavy draught horses has been taken as 3,000 lbs. The weights of individual items in the loads, of different marks of wagons, and of individual wagons of the same Mark may be found to vary.

The articles of "wagon equipment"; and such articles of the "loads" as luggage saddles, spare wheels and poles, &c., which are required for general transport purposes, will at all times remain with the vehicles and are not to be left with the unit when vehicles return to refill.

### A.—SMALL ARM AMMUNITION CART.

(1 for M.G. Section, 5 for remainder of Battalion.)

Articles.	No	Approximate weight.		Remarks.
		lbs.	ozs.	
IN THE BODY.				
Blanket, saddle (a) ... ..	1	5	4	(a) For the off horse.
Cartridges, S.A., ball, '303-inch (b) boxes	16	1,200	0	(b) Each box contains 1,000 rounds, charges packed, in bandoliers.
Load ... ..	...	1,205	4	
S.A.A. cart equipped (cf. page 29)	...	992	1	
Total, loaded S.A.A. cart	..	2,197	5	=20 cwt., about.

#### NOTES:—

- Two of the S.A.A. carts will carry pistol ammunition as follows:—  
One cart. One complete box (300 rounds), weight, 16 lbs. 8 ozs.  
One cart. 120 rounds.
- The remainder will carry no pistol ammunition.
- The S.A.A. cart with the machine-gun section carries, in addition, 4 spare belts, ammunition, Maxim (empty), weight (4) 8 lbs. 12 ozs. packed in the locker.

**B.—MALTESE CART.**  
(1 per Battalion.)

Articles.	No.	Approximate weight.		Remarks.
		lbs.	ozs.	
IN THE BODY.				
Blanket, saddle (a) ... ..	1	5	4	(a) For the draught horse.
Companion, medical, complete, with water-bottle (filled) ...	1	19	2	
Haversack, surgical, complete, with water-bottle (filled) ...	1	13	2	
Panniers, medical, { No. 1 ...	1	91	0	
(complete) { No. 2 ...	1	72	0	
Stretchers, ambulance ...	8	272	0	
Load ... ..	...	472	8	
Maltese cart, equipped (cf. page 30) ...	...	781	11	
Total, loaded cart ...	...	1,254	3	= 11½ cwt., about.

**C.—CART, WATER (FILTER).**  
(2 per Battalion.)

Articles.	No.	Approximate weight.		Remarks.
		lbs.	ozs.	
Blanket, saddle (a) ...	1	5	4	(a) For the off horse.
Water ... galls.	118†	1,140	0	
Water cart, equipped (cf. page 31) ...	...	...	...	
Marks IIA and IIB ...	...	1,515	12	
Mark IIC ...	...	1,685	10	
Mark III ...	...	1,730	2	
Total, loaded cart:—	...	...	...	
Mark IIA and IIB ...	...	2,661	0	= 23¾ cwt., about.
Mark IIC ...	...	2,830	14	= 25¼ cwt., about.
Mark III ...	...	2,875	6	= 25½ cwt., about.

† Mark III cart, 118 galls.; Marks IIA to IIC, 114 galls.

## D.—G.S. LIMBERED WAGONS FOR TOOLS.

(2 per Battalion.)

## No. 1.

Articles.	No.	Approximate weight.		Remarks.
		lbs.	ozs.	
FORE PORTION.				
Rifle (of driver) ... ..	1	8	15½	Carried on clips.
				(a) Containing, in addition to the usual set, a pair of pincers, horn cutting.
				(b) For the off horse.
				(c) Carried in a sack in the wagon to enable the team to be used with shaft draught vehicles on emergency. The following is a detail of the appurtenances of the saddle:—
Fore part:—				bands, back ... .. 1
Axes, pick; helves 36-inch, ferruled ... ..	38	123	0	girths, luggage ... .. 1
Implements, intrenching, patt. '08. { heads	9	12	3	numnah, felt, luggage ... 1

NOTES.—1. The removable partition in the hind portion must be removed to admit of the above system of packing.

2. Units in possession of the one-man rangefinder will carry the cases of adjusting instruments in the hind portion of this wagon, and No. 2 G.S. limbered wagon for tools.

The weights of the cases (packed) are as follows:—

For No. 1 (Marindin) R.F. ... .. 11 lbs.

For No. 2 (Barr & Stroud) R.F. ... .. 11½ lbs.

## D.—G.S. LIMBERED WAGONS FOR TOOLS,

(2 per Battalion.)

No. 2.

Articles.	No.	Approximate weight.		Remarks.
		lbs.	ozs.	
FORE PORTION.				
Rifle (of driver) ... ..	1	8	15 $\frac{3}{4}$	Carried in clips.
<i>Fore part:—</i>				
Axes, pick; helves, 36-inch, ferruled ... ..	38	123	0	
Implements, in- { heads	8	11	0	
trenching, patt. '08, { helves	22	7	14	
Shovels, G.S. ... ..	27	94	8	
<i>Rear part:—</i>				
Axes, { felling, curved helved	8	48	0	
{ hand ... ..	4	9	0	
{ pick, heads ... ..	38	171	0	
Crowbars, 3-ft. 6-in. ... ..	4	46	0	
Hooks, { bill ... ..	20	39	6	
{ reaping ... ..	10	10	0	
Mallet, heelpeg ... ..	1	2	8	
Nails, wire, { 6-inch lbs.	1	1	0	
iron, grooved, { 4 " "	2	2	0	
Shovels, G.S. ... ..	28	98	0	
HIND PORTION.				
Blanket, saddle (a) ... ..	1	5	4	(a) For the off horse.
Boxes, candle, F.S. (filled) ...	4	6	12	
Implements, intrenching, patt. '08:—helves (spare) ...	12	6	0	
Lanterns, tent, folding ... ..	4	27	2	(b) 8 5-ft. 6-in. poles and 16 3-ft. 6-in. poles in a bundle.
Luggage saddle, with appurtenances and articles as at (c) and (d) page 39 ... ..	1	43	4	
Panniers, signalling, filled ...	3	18	0	
Poles (b) ... ..	...	10	0	
Load ... ..	...	950	9 $\frac{3}{4}$	
G.S. limbered wagon, equipped (cf. page 34) ... ..	...	1,272	15	
Total, loaded G.S. wagon, No. 2 ... ..	...	2,223	8 $\frac{1}{2}$	= 20 cwt. about.

NOTE:—The removable partition in the hind portion must be removed to admit of the above system of packing.



## E.—COOKS' WAGON.\*

(1 G.S. Wagon per Battalion without travelling kitchens.)

Articles.	No.	Approximate weight.		Remarks.
		lbs.	ozs.	
IN THE LOCKER.				
Balance, spring, 80-lb. (a) ...	1	3	11	(a) On hook.
Box, candle, F.S. (filled) ...	1	1	11	
Knives, opening tins ...	2	1	8	
Lantern, tent, folding ...	1	6	10½	
Reins, driving, long ... set	1	4	4	
IN THE BODY.				
Equipment and stores:—				
Blankets, saddle (b) ...	1	5	4	(b) For off horse.
Implements, butchers' set	1	37	0	
Kettles, camp, { for officers (packed)...	10	170	0	
oval, 12-qts. { for rank and file ...	61	518	8	
Luggage saddle, with appurtenances and articles as at (c) and (d) page 39	1	43	4	
Whip, driving ...	1	1	0	
Supplies:—				
Dried Vegetables ...	...	202	8	4 cases of 30 lbs. net each (48½ lbs. gross), 1 canister of 5½ lbs. net (8½ lbs. gross).
Groceries. Mustard ...	...	5	3½	3½ lbs. in 12 tins of 4 ozs. net each and 1 tin of 3 ozs. net. Gross weight of ¼ lb tin=6½ ozs.
Pepper ...	...	2	7½	In 1 tin of 1 lb. net and 1 tin of ¾ lb. net. Gross weight of 1 lb. tin=1 lb. 5½ ozs.
Salt ...	...	33	8	In a sack.
Sugar ...	...	129	14	In one sack of 80 lbs. net and one of 45½ lbs. net.
Tea ...	...	25	2½	19½ in canisters.
Jam ...	...	190	0	126 lbs. in 2 c/s of 50 lbs. net each and 1 c/s of 26 lbs. net.
Meat, preserved ...	...	1,210	3	In 16 cases of 60 rations each and 1 c/s of 47 rations, or 1,258½ lbs. fresh or frozen meat in lieu.
Load ...	...	2,591	11	
G.S. wagon equipped (cf. page 35) ...	...	1,988	7	
Total loaded cooks' wagon	...	4,580	2	= 41 cwt., about.

\* Eventually this vehicle will be replaced by 4 travelling kitchens.

## F.—TRAVELLING KITCHEN.

(4 per Battalion.\*)

Articles.	No.	Approximate weight.		Remarks.
		lbs.	ozs.	
WAGON BODY.				
<i>Supplies:—</i>				
Meat, fresh or frozen	...	157	8	56 lbs. in each rear compartment. † The amount of water is approximate only, and will vary according to local circumstances.
Vegetables, dried	...	15	12	
Wood	...	112	0	
†Water	... galls. 22	220	0	
LIMBER.				
<i>Equipment and Stores:—</i>				
†Blanket, saddle	...	5	4	† For off horse.
Kettles, camp, oval, 12 qts., for officers (packed)	2	34	0	
Rifle, of driver, in cover	1	8	15 $\frac{3}{4}$	
†Surcingle, leather	1	0	15	
<i>Supplies:—</i>				
<i>Groceries:—</i>				
Mustard	...	0	13	
Pepper	...	0	7	
Salt	...	7	14	
Sugar	...	31	8	
Tea	...	4	15	
Jam	... lbs. 32	32	0	
Meat, fresh or frozen	...	157	8	
Vegetables, dried	...	15	12	
†Water	... galls. 18	180	0	† The amount of water is approximate only, and will vary according to local circumstances.
Load	...	985	3 $\frac{3}{4}$	
Travelling kitchen equipped (cf. page 36)	...	2,082	8	
Total loaded travelling kitchen	...	3,067	11 $\frac{3}{4}$	= 27 $\frac{1}{2}$ cwt., about.

\* Applies only to those battalions which have actually exchanged their cooks' wagon for four travelling kitchens. The supplies shown above are sufficient for 252 men. The kitchen has 9 boilers of an estimated capacity of 6 $\frac{1}{2}$  galls. each, total 58 $\frac{1}{2}$  gallons (5 boilers in the body, 4 in the limber).

## G.—G.S. LIMBERED WAGON FOR MACHINE-GUN SECTION.

(1 per Battalion.)

Articles.	No.	Approximate weight.		Remarks.
		lbs.	ozs.	
FORE PORTION.				
Rifle, of driver	1	8	15 <sup>3</sup> <sub>4</sub>	
Axes, pick { head	1	4	8	
{ helve, 36-inch, ferruled	1	3	4	
Bags, sand, common	15	8	14	
Bar, carrying Maxim gun on tripod	1	1	10	
Belts, ammunition, Maxim, '303-inch (in boxes) (a)	14	271	0	(a) Each belt contains 250 rounds, S.A.A.
Box, spare parts and tools, Maxim (filled)	1	31	0	(b) One for mineral oil, one for oil, petroleum, lubricating, packed in the case, can, '303-inch.
Cans, { lubricating No. 9 (b)	2	1	10	
{ half pint (c)	2	0	14	
Cases, cans, '303-inch, tripod mountings	1	2	3	
Clinometer, field (in case)	1	2	8	(c) One for oil, petroleum, lubricating; one for turpentine, packed in the case, can, '303-inch.
Condenser, steam	1	2	4	
Drum, oil, 3-gallons, with bung (containing spare supply of water)	1	37	8	
Flannelette	6	0	4	
	1	0	3	
Guns, Maxim, { protectors, muzzle	1	103	4	
{ '303-inch, complete (in leather case, with cleaning rod and spare gun barrel)...	1	0	1	
{ plug, cork, complete	1	0	4	
{ locks cover (spare) (d)	1	0	4	(d) Carried in box, spare parts, &c.
Hooks, bill	1	2	0	
Lamps, siege, candle, with stand (in box)	2	12	10	
Linen, old (for cleaning)	1	1	0	
Mallet, heelpeg	1	2	8	
Mountings, { '303-inch Maxim gun, Mark IV, complete (with hood, protecting)	1	59	0	
{ pins, joint, { crosshead	1	0	10	

G.—G.S. Limbered Wagon for Machine-Gun Section—*continued.*

Articles	No.	Approximate weight.		Remarks.		
		lbs.	ozs.			
HIND PORTION—continued.						
Cases, cans, '303-inch, tripod mountings ...	1	2	3			
Clinometer, field (in case) ... ..	1	2	8			
Condenser, steam ... ..	1	2	4			
Drum, oil, 3-gallons, with bung (containing spare supply of water) ... ..	1	37	8			
Guns, Maxim, {	protector, muzzle ... ..	1	0	3		
	'303-inch, complete (in leather case, with cleaning rod and spare gun barrel) ...	1	103	4		
	plug, cork, complete ... ..	1	0	1		
	locks, cover (spare) (d) ... ..	1	0	4	(d) See preceding page.	
	Hook, bill ... ..	1	2	0		
Lamps, siege, candle, with stand (in box) ...	2	12	10			
Luggage, Saddle, with appurtenances and articles as at (c) and (d) page 39 ... ..	1	43	4			
Machine, filling belts, Maxim, '303-inch, Mk. II (in chest) (f) ... ..	1	42	0	(f) The chest is carried loose in the vehicle, and the machine is clamped to the perch for use. 4 spare springs, action lever; and 2 spare springs, pawl, are also in the chest.		
Mountings, {	'303-inch Maxim gun, Mark IV, complete (with hood protecting) ... ..	1	50	1		
	pins, joint, {	crosshead ... ..	1	0	10	
		elevating gear ... ..	1	0	5	
Muzzle attachment for ball firing ... ..	1	1	7			
Reflector, mirror, M.G., '303-inch ... ..	1	0	1			
Shovel, G.S. ... ..	1	3	8			
Load ... ..	...	1,196	12½			
G.S. wagon, equipped (cf. page 34) ... ..	...	1,272	15			
Total, loaded G.S. limbered wagon, with machine-gun section ... ..	...	2,469	11½	= 22 cwt., about.		

**NOTES.—**

1. Photographs illustrating the method of packing this wagon are shown in the Machine Gun Handbook.
2. Nos. 1-4 of machine-gun section will have their packs carried for them on the march. They will put their rifles into the wagon when going into action.





H.—G.S. Wagons for Baggage, Stores, and Supplies—*cont.*  
(Baggage Section of Train—2 G.S. Wagons)—*cont.*

*No. 2 G.S. Wagon.*

Articles.	No.	Approximate weight.		Remarks.
		lbs.	ozs.	
IN THE LOCKER.				
Box, candle, F.S. (filled) ... ..	1	1	11	
Chain, draught pole No. 2 ... ..	1	4	3	
Handcuffs, common ... pairs	8	12	0	
Lantern, tent, folding ... ..	1	6	10½	
Reins, driving, long... .. set	1	4	4	
STRAPPED ON SPLINTER BAR.				
Jack, lifting, G.S. ... ..	1	35	0	
IN THE BODY.				
Equipment and Stores:—				
Baggage, officers ... ..	15	525	0	
Bags, { armourer's small-arms (filled) ... ..	1	7	12	
{ armourer's, bicycles, con- taining tools and spare parts ... ..	1	24	13	
Bar, supporting draught pole ...	1	9	2	
Blankets, saddle (a) ... ..	1	5	4	(a) For off horse.
Blocks, tackle, G.S. { double ...	1	4	0	
{ 1½-in. cordage { snatch ...	1	2	7	
Boots, ankle, spare, assorted sizes ... .. pairs	15	75	0	
Boxes, { articles for repair of harness and saddlery ...	1	36	0	
{ with No. 2 clearing rod ...	1	1	2	
Brushes, harness, hard (b)... ..	20	8	12	(b) 16 only for Bn.
Buckets, water, G.S., canvas ...	12	15	0	without kitchens.
Chest, tool, No. 4 (filled with car- penters' tools and materials), and padlock ... ..	1	80	0	
Cord- { hemp, hawser, { 1½-in. fms.	20	12	8	
age, { 3-strand, { white, { 1-in. fms.	36	9	0	
{ tarred, spunyarn, hemp lbs.	14	14	0	

H.—G.S. Wagons for Baggage, Stores, and Supplies—*cont.*

(Baggage Section of Train—2 G.S. Wagons)—*cont.*

No. 2 G.S. Wagon—*cont.*

Articles.	No.	Approximate weight.		Remarks.
		lbs.	ozs.	
IN THE BODY—continued.				
Dubbing, 2-lb. boxes ... ..	2	4	8	
Flannelette ... .. yds.	350	11	12	
Linen, old, for cleaning arms lbs.	4	4	0	
Luggage saddle, with appurtenances and articles as at (c) and (d) page 39 ... ..	1	43	4	
Oil, petroleum, lubricating pints (b)	50	69	0	
Picketing { mallets, heel peg ...	7	17	8	
gear, { pegs, picketing, with rope loop (spare) ...	12	13	10	(b) Packed in:— Two 3-gallon drums.
Pole, No. 17, for G.S. limbered wagon ... .. (spare)	1	38	0	One quart oil bottle.
Rugs, horse (c) ... ..	4	44	0	
Sheets, ground ... ..	489	1,283	10	
Shoes, { canvas, assorted sizes pairs	25	50	0	(c) Three only for battalions without travelling kitchens.
horse ... ..	11†	33	0	
Surcingle and pad (d) ... ..	1	1	9	
Wheel, No. 43, for G.S. limbered wagon ... .. spare	1	178	0	(d) For off lead horse.
Whip, driving ... ..	1	1	0	
Load ... ..	...	2,686	5½	
G.S. wagon, equipped (cf. page 35)... ..	...	1,988	7	
Total, loaded G.S. wagon, No. 2	...	4,674	12½	= 41¾ cwt., about.

† 8 pairs for battalions without travelling kitchens.

H.—G.S. Wagons for Baggage, Stores, and Supplies—*cont.*

(Supply Section of Train—2 G.S. Wagons.)

*No. 3 G.S. Wagon.*

Articles.	No.	Approximate weight.		Remarks.
		lbs.	ozs.	
IN THE LOCKER.				
Balance, spring, 80 lbs. ...	1	3	11	
Box, candle, F.S. (filled) ...	1	1	11	
Knives, opening tins ...	3	2	4	
Lantern, tent, folding... ..	1	6	10½	
Reins, driving, long ... set	1	4	4	
IN THE BODY				
Equipment and Stores:—				
Blankets, saddle (a) ...	1	5	4	(a) For the off horse
Implements, butchers set	1	34	0	
Kettles, camp, oval, 12 qts.	6	51	0	
Luggage saddle, with appurtenances and articles as at (c) and (d) page 39 ...	1	43	4	
Mauls, G.S., helved ...	1	13	14	
Posts, picket, 2½ ft., with rope loop ... ..	12	48	0	
Ropes, heel, large ... ..	2	2	8	
Surcingle and pad ... ..	1	1	9	
Wheel, No. 200 (or No. 158 in lieu), G.S. wagon, hind (spare) ... ..	1	165	0	
Whip, driving ... ..	1	1	0	
Supplies:—				
Biscuits (b) ... rations	1,007	1,450	0	(b) In 20 cases of 50 lbs. net each, and 1 canister of 7 lbs. net, or 1,258½ lbs. bread in lieu.
Cheese (c) ... ..	1,007	225	13	(c) 188½ lbs. net, in 3 cases of 60 lbs. net each, plus 8½ lbs. loose in wrappers.
Oats (d) ... rations	56	690	0	(d) 8 sacks of 80 lbs. net, and 1 sack of 32 lbs., plus weight of sacks.
Load ... ..	...	2,749	12½	
G.S. wagon equipped (cf. page 35) ... ..	...	1,988	7	
Total, loaded G.S. wagon, No. 3 ... ..	...	4,738	3½	= 42 cwt., about.



H.—G.S. Wagons for Baggage, Stores, and Supplies—*cont.*(Supply Section of Train—2 G.S. Wagons)—*cont.**No. 4 G.S. Wagon.*

Articles.	No.	Approximate weight.		Remarks.
		lbs.	ozs.	
IN THE LOCKER.				
Box, candle, F.S. (filled) ...	1	1	11	
Knives, opening tins ...	3	2	4	
Lantern, tent, folding... ..	1	6	10½	
Reins, driving, long ... set	1	4	4	
IN THE BODY.				
<i>Equipment and Stores:—</i>				
Blankets, saddle ... ..	1	5	4	For the off horse.
Kettles, camp, oval, 12 qts.	5	42	8	
Luggage saddle, with appurtenances and articles as at (c) and (d) page 39 ...	1	43	4	
Pole, draught, No. 7A, for G.S. wagon (spare)... ..	1	40	0	
Surcingle and pad ... ..	1	1	9	
Wheel, No. 27, for S.A.A. carts (and 2 washers, axle-tree, 2nd class "C" (point and shoulder, for S.A.A. carts) (spare) ... ..	1	230	0	
Whip, driving ... ..	1	1	0	
<i>Supplies:—</i>				
Bacon ... .. rations	1,007	344	0	4 cases, and 11½ lbs.
<i>Groceries:—</i>				
Mustard ... ..	1,007	5	2½	12 tins of ¼ lb. net., and 1 tin of 2 ozs. net.
Pepper ... ..	1,007	2	7½	1 tin of 1 lb. net., and 1 tin of ¾ lb. net.
Salt ... ..	1,007	33	7½	1 sack of 31½ lbs. net.
Sugar ... ..	1,007	194	13	2 sacks of 80 lbs. net and 1 sack of 28½ lbs. gross.
Tea ... ..	1,007	60	1¾	1 case of 30 lbs. net. and 1 canister of 9½ lbs. net.
Jam ... ..	1,007	367	6	5 cases each 50 lbs. net and 2 tins (loose) of 1 lb. net each carried with preserved meat.
Vegetables, dried ... ..	1,007	202	8	4 cases of 30 lbs. net each and 1 canister of 5½ lbs. net.
Meat, preserved ... ..	1,007	1,210	3	16 complete cases of 60 rations each, and 1 case of 47 rations, or 1,258½ lbs. fresh or frozen meat in lieu.
Load ... ..	...	2,798	7¾	
G.S. wagon equipped ( <i>cf.</i> page 35) ... ..	...	1,988	7	
Total, loaded G.S. wagon, No. 4 ... ..	...	4,786	14¾	= 42½ cwt., about.

## Section 7.

DATA ON WHICH THE TRANSPORT OF AN INFANTRY  
BATTALION IS CALCULATED.

TABLE A.—AMMUNITION.

I.—APPROXIMATE AMOUNT OF AMMUNITION  
AVAILABLE.

Where carried.	No. of rounds per			Remarks.
	Rifle.	Pistol.	Machine Gun.	
On the soldier ... ..	120	12	—	For the purpose of arriving <i>approximately</i> at the number of rounds to be carried in ammunition columns the number of rifles in an infantry battalion is estimated at 1,000.
With machine guns (service ammunition) ... ..	—	—	3,500	
In regimental reserve ... ..	100	12	8,000	
With brigade ammunition column ... ..	80	12	5,000	
With divisional ammunition column ... ..	50	—	5,000	
Total with field units ...	350	36	21,500	

## II.—S.A.A. (.303-inch, Mark VII).\*

## (i).—Allowance :—

	Rounds.
934 rifles @ 220 ... ..	205,480
11 pioneers @ 80 ... ..	880
8 W.O. and S.-serjeants @ 25 ...	200
1 armourer @ 20 ... ..	20
97 base details @ 120 ... ..	11,640
2 machine guns @ 11,500 ...	23,000
Total† ... ..	<u>241,220</u>

\* Battalion with travelling kitchens.

† Unless orders to the contrary are issued, service S.A.A. will not be distributed to individuals until the place of disembarkation is reached (*cf.* Mobilization Regulations). Local transport will be provided to convey the ammunition in bulk to the place of entraining.

II.—S.A.A. (.303-inch)—*continued.*

## (ii.)—Distribution :—

			Rounds.
917 men @ 120	...	...	110,040
17 signallers @ 50	...	...	850
11 pioneers @ 80	...	...	880
5 W.O. and S-serjeants			
@ 25	...	...	125
1 armoured @ 20	...	...	20
Details at base :—			
3 S-serjts. @ 25			75
97 men @ 120	...	...	11,640
			<hr/>
8 pack animals @ 2,000	...	...	123,630
6 S.A.A. carts @ 16,000	...	...	16,000
28 M.G. belts @ 250	...	...	96,000
			<hr/>
Total	...	...	7,000
			<hr/>
			242,630*

\*241,220 rounds are shown in the mobilization store table, but when actually in the field S.A.A. carts and pack animals will be fully loaded.

## III.—PISTOL AMMUNITION.

## (i.)—Allowance :—

				Rounds.
29 officers @ 24	...	...	...	696
1 medical officer @ 24	...	...	...	24
1 base detail @ 12	...	...	...	12
5 rangetakers @ 24	...	...	...	120
				<hr/>
Total	...	...	...	852
				<hr/>

## (ii.)—Distribution :—

Carried by 29 officers @ 12	...	...	348
"    1 M.O. @ 12	...	...	12
"    1 base detail	...	...	12
"    5 rangetakers @ 12	...	...	60
1 box (300 rounds) in a S.A.A. cart	...	...	300
120 rounds in another S.A.A. cart	...	...	120
			<hr/>
			852

# B.—TOOLS (GENERAL DISTRIBUTION).

The following list comprises only some of the most important of the tools carried by an infantry battalion in the field and does not include tools for opening packages nor tools forming part of 'artificers' sets.

Detail.	Axes.			Crowbar.	Cutters, wire.	Hooks.		Implements, entrenching, pattern, 08.	Saws.		Shovels, G.S.	Remarks.
	Felling.	Hand.	Pick.			Bill.	Reaping, large.		Folding.	Hand.		
AVAILABLE IN 1ST LINE TRANSPORT.												
On the soldier ... ..	...	...	...	...	24	...	...	909	32	...	...	
Cart and wagon equipment:—												
1 Maltese cart...	1	...	1	...	...	1	...	...	...	...	2	
2 water carts ... ..	...	...	2	...	...	...	...	...	...	...	2	
4 travelling kitchens...	...	4	...	...	...	...	...	...	...	...	...	
In wagon loads:—												
No 1 G.S. limbered wagon, for tools	8	4	38	4	...	20	10	9	...	...	55	
No. 2 ... ..	8	4	38	4	...	20	10	8	...	...	55	
In G.S. limbered wagon for machine gun	...	...	2	...	...	2	...	...	...	...	2	
Total in 1st line transport ...	21	12	81	8	24	43	20	926	32	...	116	
AVAILABLE IN TRAIN TRANSPORT.												
Wagon equipment:—												
4 G.S. wagons...	4	...	4	...	...	4	...	...	...	1	8	
Total in train transport ...	4	...	4	...	...	4	...	...	...	1	8	
Total with battalion in the field† ...	25	12	85	8	24	47	20	926	32	1	124	

\* Except the handsaw, which is included in the carpenter's tools.

† Battalion with travelling kitchen.



# C.—RATIONS AND FUEL.

Detail of rations and fuel carried in the field with Units, and in Army Service Corps Trains and Supply Columns.

FIELD RATION.				
How carried, normally.	Bread and Meat. Ration. 1½ lbs. fresh or frozen or 1 lb. (nominal) preserved (a) or salt meat. 1½ lbs. bread (b) or 1 lb. biscuits (c) or flour. 4 oz. bacon (d).	Grocery Ration. Tea, sugar, jam, salt, pepper, cheese and mus- tard (as detailed in Allowance Regulations).	Vegetable Ration. 2 ozs. dried.	Iron Ration. 1 lb. (nominal) preserved meat, 12 ozs. biscuit, ½ oz. tea, 2 ozs. sugar, ½ oz. salt, 3 ozs. cheese, 2 cubes (1 oz.) meat extract.
On the soldier ...	(e)	(e)	—	1 (h)
In vehicles for cooks or travelling kitchens ...	1 (f)	1 (f)	— 1	— —
In A.S.C. trains ... or In supply columns	1	1	1	—
Total ...	2 (g)	2 (g)	2 (g)	1 (h)

Remarks.

- (a) Packed in wood cases not exceeding 80 lbs. weight, containing 60 rations in (nominal) 1 lb. tins.  
 (b) Carried in sacks.  
 (c) Packed in wood cases not exceeding 80 lb. weight, containing 50 rations.  
 (d) Packed in wood cases containing 60 lbs. bacon not exceeding 80 lbs., gross weight.  
 (e) The day's bread and cheese ration issued the previous evening, less any portion consumed. In the case of arms other than infantry, this ration may be carried in the vehicle for cooks.  
 (f) The day's ration (except bread and cheese) issued the previous evening, less any portion consumed.  
 (g) Less any portion consumed of the ration carried on the soldier and in the cooks' vehicles.  
 (h) A second Iron ration may be carried when so ordered by the C.-in-C.

- NOTE 1.—No fuel will be carried normally, except for mechanically propelled vehicles and the wood of the ration boxes, which will be issued for kindling purposes and be supplemented by fuel obtained locally.  
 2.—Reserve parks, each with a carrying capacity of 2 days' Iron rations will be available for use if required.  
 3.—Fresh Vegetables will be issued when available.  
 4.—Limejuice, rum, and tobacco to be issued as detailed in Allowance Regulations, but not carried normally in A.S.C. trains or in supply columns.  
 5.—Rations for the day of entrainment will be carried as directed in Mobilization Regulations.

## D.—FORAGE.

Detail of forage carried in the field with units and in Army Service Corps trains and supply columns for each horse.

How carried.	Corn ration 12 lbs.	Remarks.
On the horse ... ..	1 (a)	(a) The day's ration issued the previous evening less any portion consumed.
In A.S.C. trains or } In supply column }	1	
Total ... ..	2 (b)	(b) Less any portion consumed of the ration carried on the horse.

Notes.—1. The above scale of forage is applicable to a country where hay is available.

2. Forage for the day of entrainment will be carried as directed in Mobilization Regulations.

## E.—SUPPLIES REQUIRED FOR ONE DAY.

The following table, which is inserted for the purpose of easy reference, shows the detail of supplies which would be required by a battalion for one day :—

Detail.	Bat- talion Head- quarters.	M.G. Section.	One Com- pany.	Bat- talion.
* Establishment { personnel ... ..	81	18	227	1,007
{ horses ... ..	31	5	5	56
Biscuits ... .. lbs.	81	18	227	1,007
Bread (in lieu of biscuits) ... ..	101 $\frac{1}{4}$	22 $\frac{1}{2}$	283 $\frac{1}{4}$	1,258 $\frac{1}{4}$
Bacon ... ..	20 $\frac{1}{4}$	4 $\frac{1}{2}$	56 $\frac{1}{4}$	251 $\frac{1}{4}$
Cheese ... ..	15 $\frac{3}{16}$	3 $\frac{3}{16}$	42 $\frac{3}{16}$	188 $\frac{3}{16}$
Groceries :—				
Mustard ... ..	$\frac{4}{16}$	$\frac{1}{8}$	1 $\frac{1}{8}$	3 $\frac{3}{8}$
Tea ... ..	3 $\frac{5}{16}$	$\frac{3}{4}$	8 $\frac{1}{4}$	39 $\frac{5}{8}$
Sugar ... ..	15 $\frac{3}{16}$	3 $\frac{6}{16}$	42 $\frac{9}{16}$	188 $\frac{11}{16}$
Salt ... ..	1 $\frac{1}{8}$	9 ozs.	7 $\frac{1}{8}$	31 $\frac{1}{8}$
Pepper ... ..	2 ozs.	$\frac{1}{2}$ oz.	$\frac{7}{16}$ lb.	1 $\frac{1}{2}$ lbs.
Jam ... .. lbs.	21	5	57	252
Meat, { fresh (in lieu of				
{ preserved) ... ..	101 $\frac{1}{4}$	22 $\frac{1}{2}$	283 $\frac{1}{4}$	1,258 $\frac{1}{4}$
{ preserved ... ..	81	18	227	1,007
Oats ... ..	372	60	60	672
Vegetables—fresh (a) ... ..	40 $\frac{1}{2}$	9	113 $\frac{1}{2}$	503 $\frac{1}{2}$
or dried ... ..	10 $\frac{2}{16}$	2 $\frac{1}{4}$	28 $\frac{1}{16}$	125 $\frac{1}{16}$
or				
Lime juice (b) † ... .. pts.	2	$\frac{1}{2}$	5 $\frac{1}{2}$	25
Rum (c) † ... ..	10	2 $\frac{1}{4}$	28 $\frac{1}{4}$	126
Tobacco (c) † ... .. lbs.	1 $\frac{7}{16}$ lbs.	5 ozs.	4 $\frac{1}{16}$ lbs.	18 lbs.

\* Excludes A.S.C. drivers and horses of the train.

(a) To be issued when available, but not to be carried in regimental transport when troops are marching daily.

(b) Lime juice is issued when fresh vegetables are not supplied, or at the discretion of the G.O.C. on recommendation of the medical officer.

(c) Issued at the discretion of the G.O.C. on recommendation of the medical officer.

† Not carried normally in supply columns or A.S.C. trains.

**F.—SIGNALLING EQUIPMENT FOR AN INFANTRY BATTALION IN THE FIELD.**

Detail.	Total per battalion.	Carried by Signallers		In tool wagons.	
		Signalling Sergeant.	16 Signallers.	In 6 panniers.	Loose.
Binoculars, in cases ... ..	9	1	8	...	...
Cases, message book ... ..	8	1	7	...	...
Compasses, prismatic, in cases ... ..	8	1	7	...	...
Cotton waste, white ... .. lbs.	2	...	...	2	...
Flags, { blue, { 3 feet square ... ..	2	...	8	...	...
	2	...	16	...	...
	white { 3 " " ... ..	8	8	...	...
	with { 2 " " ... ..	16	16	...	...
	stripe, { 5 feet 6 inches ... ..	24	16	...	8
poles, { 3 " 6 " ... ..	48	...	32	...	16
Heliographs, 5-inch ... ..	8	...	8	...	...
Lamps, signalling, "B" ... ..	8	...	...	8	...
Stands, { lamp, or heliograph ... ..	8	...	8	...	...
	"A" ... ..	8	8	...	...
Telescopes, signalling ... ..	8	...	8	...	...
Watches ... ..	8	1	7	...	...
BOOKS, STATIONERY, &C.					
Books, signalling manual ... ..	9	1	8	...	...
Forms, army:—					
C. 2121 ... .. pads	15	1	8	6	...
C. 2123 ... .. "	28	...	3	...	...
C. 398 ... ..	350	...	350	...	...
Pencils ... ..	Will	be iss	ued as	required.	

All lamps are filled for service, a reserve of oil and wick for signalling lamps is carried in the supply columns.

The poles carried loose in the wagons will be tied in bundles.

The six panniers, packed, weigh 360 lbs.; the poles weigh 10 lbs.

## G.—SPARE COMPONENTS OF VEHICLES.

Detail.		Number and description of spare components carried in				Method of carrying.
		No. 1 G.S. wagon.	No. 2 G.S. wagon.	No. 3 G.S. wagon.	No. 4 G.S. wagon.	
POLES.	<i>Technical number</i> ... <i>Number carried</i> ... <i>Weight</i> ... <i>For which vehicles</i> ...	...	No. 17. 1 38 lbs. G.S. limbered wagons.	...	No. 7A. 1 40 lbs. G.S. wagons.	Point of pole under driver's seat and close to footboard, butt of pole resting on bottom of wagon, close to side and back against tail-board. (When a spare wheel is carried the pole is passed between the spokes.)
SHAFTS.	<i>Technical number</i> ... <i>Number carried</i> ... <i>Weight</i> ... <i>Technical number</i> ... <i>Number carried</i> ... <i>Weight</i> ... <i>For which vehicles</i> ...	No. 1 (near). 1 38 lbs. No. 19 (off). 1 58 lbs. S.A.A. carts	...	...	...	Strapped to the raves.
SWINGLETREES.	The wagon equipment of each G.S. wagon includes a spare swingletree, No. 3A, 10A or 11, and this provision covers the requirements of the Maltese and water carts and G.S. limbered wagons, which use swingletrees of the same pattern as the G.S. wagon.					Strapped to shafts of Mark III G.S. wagons; under front of Marks IV to VIII** G.S. wagons; carried in lockers of Marks IX to X*.
WHEELS.	<i>Technical Number</i> ... <i>Number carried</i> ... <i>Weight</i> ... <i>For which vehicles</i> ...	No. 159. 1 132 lbs. G.S. wagon (fore).	No. 43. 1 178 lbs. G.S. limbered wagons.	No. 158.* 1 165 lbs. G.S. wagon (hind).	No. 27.† 1 230 lbs. S.A.A. carts.	See List of Changes in War Matériel, February, 1912, § 15802 (except for No. 27). One block, supporting, is allowed per spare wheel.

\* Or 2nd class, G, No. 200, for wagons fitted with 2nd class (hind) axletrees.

† Or wheel No. 24 or 25 in lieu.



(As to prices in brackets, see top of page 2.)

**KIT PLATES :—**

**Artillery. Royal—**

1. Horse and Field. Kit in Barrack Room. 1912. 2d. (2d.)
2. Ditto. Kit laid out for Inspection. 1903. 2d. (2d.)  
(Under revision)
6. Garrison. Kit laid out for Inspection. 1909. 2d. (2d.)
10. Ditto. Kit in Barrack Room. 1909. 2d. (2d.)

**Cavalry. 1891. 1d. (1d.)**

**Engineers. Royal—**

1. Dismounted. Detail of Shelf and Bedding, with Marching Order ready to put on. Detail of Shelf and Bedding, with Drill Order ready to put on. 1914. 1d. (1d.)
2. Dismounted. Full Kit laid out for Inspection in Barrack Room. 1914. 1d. (1d.)
4. Mounted N.C.O. or Driver and Field Troop Sapper. Full Kit laid out for Inspection in Barrack Room. 1910. 1d. (1d.)
5. Mounted. Detail of Shelf and Bedding. 1910. 1d. (1d.)
6. Driver, with pair of Horses. Field Kit laid out for Inspection on Parade including Articles carried in Valise on Baggage Wagon. 1899. 1d. (1d.)

**Infantry—**

1. Kit in Barrack Room. 1905. 2d. (2d.)
  2. Kit laid out for inspection. 1905. 2d. (2d.)
- Highland. 1884. 1d. (1d.)

**Medical Corps. Royal Army. Kit in Barrack Room. 1912. 2d. (2d.)**

**Ordnance Corps. Army. For guidance at Marching Order and Kit Inspections. 2d. (2d.)**

**LAND WARFARE.** An Exposition of the Laws and Usages of War on Land, for the guidance of Officers of H.M. Army. 1912. 1s. (10d.)

**LARGE FORMATIONS.** The Operations of. Translated from the German.  
(In the press)

**LAW. Military. Manual of. 1914. 2s. (1s. 9d.)**

**LAW FOR THE RESERVE FORCES AND MILITIA.** Manual of 1886. 1s. 6d. (1s. 2d.)

**MACHINE-GUN.** Tests of Elementary Training. 1d. (1d.)

**MACHINE GUNS AND SMALL ARMS,** 303-inch. Nomenclature of Parts, Stripping, Assembling, Action, Jams, Missfires, Failures, and Inspection of. Revised Edition. 1913. 3d. (3d.); Amendments, No. 1. 1d. (1d.)

**MAGAZINES AND CARE OF WAR MATÉRIEL.** Regulations for. 1913. 9d. (9d.); Amendments, July 1914. 1d. (1d.)

**MAP READING AND FIELD SKETCHING.** Manual. 1912. 1s. (11d.) (And see Schools, Army.)  
(Reprinting)

**MECHANISM AS APPLIED TO ARTILLERY.** Notes on. Second edition. 1902. 1s. (11d.)

**MEDICAL CORPS. Royal Army:—**

Admission to. Regulations for. Jan. 1912. 1d. (1d.)

Standing Orders. 1914. 1s. (10d.)

Training. 1911. 9d. (9d.)

**MEDICAL DEPARTMENT.** Army. Index to Appendices of Reports from 1859 to 1896. 3d. (3d.)

**MEDICAL SERVICE.** Army. Regulations. 1906. (Reprinted, with Amendments, 1914.)  
(In the press)

**MEDICAL SERVICE.** Strategical and Tactical Employment of the, as carried out in an Army Corps; with a series of Problems. Translated from the Austrian. 4s. 6d. (3s. 4d.)

(As to prices in brackets, see top of page 2.)

- MEDICAL SERVICES.** Army. Advisory Board for. The Treatment of Venereal Disease and Scabies. First Report. 1904. 1s. 6d. (1s. 3d.); Second Report. 1905. 2s. (1s. 6d.); Third Report. 1905. 1s. (10d.); Final Report. 1906. 6d. (5d.)
- MEDICAL SERVICES OF FOREIGN ARMIES.** Handbook of. Part I. FRANCE. 6d. (5d.) (*Under revision*); Part II. GERMANY. 6d. (5d.); Part III. AUSTRIA-HUNGARY. 6d. (5d.); Part IV. RUSSIA. 6d. (5d.); Part V. ITALY. 6d. (5d.); Part VI. THE NETHERLANDS AND BELGIUM. 1911. 6d. (5d.)
- MEKOMETER** Handbook. 1911. 6d. (6d.)
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Ditto. Amendments, July 1913. 1d. (1d.)
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- OFFICERS TRAINING CORPS:—**  
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Ditto. Appendix III. (*In the press*)  
Ditto. (Inns of Court). 1d. (1d.) (*Under revision*)  
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- OPERATION ORDERS.** A Technical Study by Hans von Kiesling. Translated from the German. 1s. 6d. (1s. 3d.)
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- ORDNANCE CORPS.** Army. Standing Orders. 1912. 6d. (6d.)
- ORDNANCE MANUAL (WAR).** 1914. 6d. (5d.)
- ORDNANCE SERVICE.** Treatise on. Seventh edition. 1908. With volume of plates. 7s. 6d. (5s. 6d.); Amendments. June 1909, Dec. 1910, Dec. 1912. Each 1d. (1d.); Ditto. Dec. 1909, Dec. 1911. Each 2d. (2d.)
- ORDNANCE SERVICES. ARMY.** Regulations. Part I. 1912. 6d. (6d.); Index. 1912. 2d. (2d.); Amendments, Jan., Dec. 1913; April 1914. Each 1d. (1d.); Part II. 1914. 1s.
- PATHOLOGICAL SPECIMENS** in the Museum of the Army Medical Department, Netley. Descriptive Catalogue of. Third edition. Vol. I. By Sir W. Aitken, M.D. 1892. 5s. (3s. 8d.)

(As to prices in brackets, see top of page 2.)

- PAY DUTIES** of Officers Commanding Squadrons, Batteries, Companies, &c. Instructions. 1914. 1d. (1d.)
- PHYSICAL TRAINING.** Manual of. 1s. (11d.)  
Ditto. Amendments, July 1913. 1d. (1d.)
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Ditto. Amendments. Nov. 1912. 1d. (1d.)
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- PUBLICATIONS (RECENT) OF MILITARY INTEREST.** List of, Quarterly. Nos. 1 to 8. 2d. (2d.) each; Nos. 9 to 17. 4d. (4d.) each. (Continued by THE ARMY REVIEW).
- RAILWAY DISTANCES.** Ireland. Handbook of. Third edition. 1884. 7s. 6d. (5s. 3d.)
- RAILWAY MANUAL (WAR).** 6d. (5d.)
- RAILWAYS. MILITARY. RECONNAISSANCE AND SURVEY** OF. Notes on, for Officers of R.E. Railway Companies. 1910. 2s. 3d. (1s. 8d.)
- RANGE-FINDER.** Handbooks:—  
Infantry, No. 1. (Marindin). 1913. 3d. (3d.)  
Infantry No. 2. (Barr and Stroud). 31·5-inches base. 1913. 1s. (10d.)  
Watkin. Regulations for instruction in, and practice with. 1882. 1s. (9d.)
- RANGE FINDING. COAST DEFENCE.** Manual of. Part I. 9d. (8d.)  
Ditto. Amendments, June 30, 1914. 1d. (1d.)
- RANGES, MINIATURE CARTRIDGE.** (Reprinted from THE ARMY REVIEW, January 1914). 3d. (3d.)
- RECRUITING FOR THE REGULAR ARMY AND THE SPECIAL RESERVE.** Regulations. 1912. [Reprinted, with Amendments to Aug. 1914.] 3d. (3d.)
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Army Reserve. Class I. Regulations. 1911. 1d. (1d.)  
Ditto. Amendments, June 1913. 1d. (1d.)  
National Reserve. Regulations. 1913. 1d. (1d.)
- RIFLE RANGES.** Care and Construction of. Instructions for. 1908. 3d. (3d.)
- RIFLE RANGES, TRAINING GROUND, AND MUSKETRY CAMP, PENALLY.** (Western Coast Defences). Standing Orders. 1910. 2d. (2d.)
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- RIFLES, SHORT AND CHARGER-LOADING, MAGAZINE, LEE-ENFIELD.** Handbook for Serjeant-Instructors of Special Reserve, Officers Training Corps, and Territorial Force in regard to the Care, Inspection, &c., of. 3d. (3d.)
- RUSSIAN MILITARY AND NAVAL TERMS.** Dictionary of. 1906 3s. 6d. (2s. 6d.)

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**RUSSO-JAPANESE WAR:—**

Medical and Sanitary Reports from Officers attached to the Japanese and Russian Forces in the Field. 1908. 5s. (3s. 10d.)

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