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ARMY EQUIPMENT

PART VI.

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P R E F A C E.

THE Secretary of State for War, in concurrence with the advice of His Royal Highness the Field Marshal Commanding in Chief, having directed that complete returns of the equipment of the army should be made by the officers of the Topographical and Statistical Depôt, and illustrated by drawings of every article authorized to be supplied to the army, the work was divided into seven parts, and intrusted to the following officers :—

- | | | |
|-----------------------|----|-------------------------------------|
| Part I. Cavalry | - | Lieutenant Hozier, 2nd Life Guards. |
| II. Royal Artillery | - | Major Miller, R.A., <i>V.C.</i> |
| III. Royal Engineers | - | Major Cooke, R.E. |
| IV. Military Train | .- | Lieutenant Hozier, 2nd Life Guards. |
| V. Infantry | - | Captain Petrie, 14th Regiment. |
| VI. Commissariat | - | Lieutenant Hozier, 2nd Life Guards. |
| VII. Hospital Service | - | Captain Petrie, 14th Regiment. |

The illustrations which are to accompany this part of the series of Army equipments are still unfinished ; and as some length of time must elapse before they are ready for publication, it is thought desirable to issue the descriptive portion without waiting for their completion.

In the meantime all necessary corrections will be noted, in order that a revised and correct edition may be ready to accompany the plates.

(Signed) HENRY JAMES,
Colonel, Royal Engineers.

Topographical and Statistical Depôt.
June 1865.

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The information contained in the following pages has been obtained from the following sources.

The Adjutant General.

The Quartermaster General.

The Commissary General in Chief.

The Director of Stores.

The Superintendent Royal Small Arms Factory.

The Director of Clothing.

The Principal Superintendents of Stores at Woolwich and the Tower.

INTRODUCTION.

INTRODUCTORY REMARKS.

The Equipment of an army includes all articles, matériel, and munitions of war, which are necessary to put that army in motion, and to preserve its vitality and facility of manœuvring when in motion.

In the following pages will be found a full account and description of the different articles of equipment which have been sanctioned by the proper authorities for the use of the Commissariat Department, together with all information concerning their supply, storage, and issue which has been promulgated from time to time through general orders, warrants, or regulations from the superior administrative departments of the army. The names of all articles have been given, so as to correspond with those by which they are known in the books of the department where they are stored.

The lists of prices attached to the different articles cannot be regarded as invariable, for prices of all articles vary according to the contracts of supply, or according to the market value of the materials of manufacture. The lists of weights have been given as the fair average weights of the different articles, but as almost no two articles of the same description have exactly the same weight, these weights cannot be regarded as constant.

The plates of illustrations are marked with the same names as the sections of the book ; on every plate will be found the scale of the illustration.

In the cases of some articles which are not usually retained in store it has been found impossible to publish their costs and weights in this first edition, but every means will be taken to obtain them before the publication of another edition.

CLASSIFICATION OF EQUIPMENT.

The articles included under the term Equipment of Military Train are divided into separate classes, each of which forms the special province of administration of one of the Superior Military Departments, who are responsible for the maintenance, efficiency, and supply of the articles furnished through their respective departments.

Under the Adjutant-General's Department are included all articles of equipment which would be paraded with troops when in heavy marching order, and move in their possession, together with their reserves, and the materials for their repair, clothing and extra clothing for the regular forces, armaments and articles for siege purposes, besides engineer professional equipments.

The Quartermaster-General's Department is charged with the maintaining the efficiency, and issuing all stores required for camping and quartering troops, as well as such as are required in addition to the regular equipment supplied, and generally with all stores not appertaining to the department of the Adjutant-General, and which do not move in the possession of troops. Food, forage, fuel, and light are provided by the Commissariat Department abroad. The Army Medical Department is responsible for the supply of medicines, medical appliances, and surgical instruments. The Purveyors' Department is charged with the provision of medical comforts, subsistence for the sick, and the furniture and equipment of hospitals.

The Principal Veterinary Surgeon has the care of providing horse medicines and veterinary surgical instruments. Munitions of war, military matériel, and stores of all kinds, with the exception of those appertaining to the provisions, forage, fuel, or light of troops, are under ordinary circumstances kept in charge of the Store Department both at home and abroad. When an army is on active service this department is to receive, take charge of, and issue all stores, with the exception of those of the Medical, Purveyor's, Veterinary, and Commissariat Departments.

In order that the wants of the army may be anticipated, the heads of Civil and Military departments will be responsible for furnishing periodical estimates of their probable requirements to the Adjutant-General and Quartermaster-General, by whom they will be made known to the Military Store Officer in charge. He is then responsible, under the authority of the Commander of the Forces, for making timely provision to meet all the store requirements of the service by the transmission of demands to the Director of Stores for the consideration of the Secretary of State for War.

Officers demanding stores are to take care that all requisitions contain full and exact detail as to the number and particular description of every article required, as the Military Store Officers are responsible only for providing and issuing them in accordance with the lists thus published.

In the case of stores authorized by a general order to be issued to troops at certain seasons or under particular circumstances, the requisition may be sent direct to the Military Store Officer by the Commanding Officer, the general order itself constituting sufficient authority for their issue ; this must, however, be quoted in the demand.

ON THE PRESENT ORGANIZATION OF THE BRITISH COMMISSARIAT DEPARTMENT.

The Commissariat Department consists of an establishment of officers and a staff corps, the whole being under the direction of the commissary-general-in-chief.

The fixed establishment of officers consists of three commissaries-general, 15 deputy commissaries-general, 62 assistant commissaries-general, and 118 deputy assistant commissaries-general. Total 198.

All first appointments to the commissariat are made from subalterns of the army of not less than two years' service, and under 25 years of age. They have to serve for six months on probation, as acting deputy assistant commissaries-general. In case a sufficient number of eligible volunteers from the army do not come forward, civilians between the ages of 18 and 25 are eligible, but they have to serve a probationary period of at least two years, as acting deputy assistant commissaries-general.

The officers of the commissariat have no military command out of their own department, but they take rank as regards choice of quarters, and sit as members of courts-martial or boards, according to the dates of their commissions, as follows :—

- Commissary-general, as major-general.
- Deputy commissary-general of five years' service, as colonel.
- ” ” ” under five years' service, as lieutenant-colonel.
- Assistant commissary-general, as major.
- Deputy assistant commissary-general, as captain.
- Acting deputy assistant commissaries-general, though not commissioned as such, have the relative rank of lieutenants.

In addition to the duty of supplying provisions, forage, fuel, and light, and transport, with the necessary cash and store account, the commissariat perform the following duties in the Colonies as controllers of army expenditure :—

- Raise and disburse all funds for imperial purposes.
- Make contracts and purchases for every branch of the imperial service.
- Act as agents for the navy in the absence of naval officers.
- Carry on financial and store duties for the convict service, and at some stations have charge of barracks and military stores.

At home the duties are not yet defined. They include the making of contracts for bread, meat, and forage, and fuel, light, and straw (for the barrack department) throughout the United Kingdom ; the superintendence of the supply of provisions and forage at the camps and at a few of the larger garrisons, the providing of straw for bedding in camp, but not in garrison ; and the military accountant duties at Aldershot, Portsmouth, Plymouth, Dublin, and the Curragh.

The officers, non-commissioned officers, and men of the Commissariat Department take their tour of duty abroad with the exception of Her Majesty's possessions in India, where the commissariat duties are performed by officers, non-commissioned officers, and men selected from the staff corps and other local forces.

COMMISSARIAT STAFF CORPS.

The *Commissariat Staff Corps* is superintended by an assistant commissary-general, who acts as staff officer to the corps. Its ranks are filled by men who volunteer from the other branches of the regular army. Non-commissioned officers and men desirous of being transferred to it, must bear a good character, and have served not less than two years. They are also required to be able to read, and write a fair legible hand, and to have an acquaintance with the first four rules of arithmetic.

Volunteers are in the first instance received on probation for a period not exceeding three months, at the expiration of which, they are either permanently accepted or returned to their former regiment or corps; if accepted, their names are still retained on the rolls of their former regiments as supernumeraries, in order that they may be sent back in cases of unfitness or misconduct.

Men entering the corps on probation in the United Kingdom, are sent to Aldershot for special instruction in commissariat duties. They are most frequently trained as butchers or bakers, but the corps comprises men of a variety of trades, clerks, &c.

The establishment of the Commissariat Staff Corps is as follows:—

- 2 quartermasters, 1 serjeant-major.
- 10 1st class clerks or storekeepers, with rank of serjeant-majors.
- 16 2nd class clerks or storekeepers, with rank of quartermaster-serjeants.
- 26 3rd class clerks or assistant storekeepers, with rank of 2nd class staff serjeants.
- 5 colour-serjeants.
- 44 serjeants.
- 88 corporals and 2nd corporals.
- 10 buglers.
- 400 privates.

602

The corps at present consists of five companies; two of these are stationed at Aldershot, one at the Curragh Camp, and one is detached in Canada, and another on active service in New Zealand. There are small detachments not organized into companies in Bermuda, China, at the Cape, and in Gibraltar, and a few non-commissioned officers and men employed as subordinates on other foreign stations. There is also a detachment under the command of an officer at Chatham.

Each company is commanded by a deputy assistant commissary-general, and consists of the following detail of non-commissioned officers and privates:—

- 1 colour-serjeant.
- 6 serjeants.
- 6 corporals.
- 6 2nd corporals.
- 2 buglers.
- 80 privates.

The foregoing numbers are, however, occasionally varied according to the requirements of the service.

The subordinate appointments in the Commissariat Department at home and abroad hitherto held by civilians, are ordered to be filled, when practicable, by non-commissioned officers and men of the corps selected as being properly qualified. These appointments are as follows, and are considered as the staff appointments of the Commissariat Corps :—

1st class clerk or storekeeper, with the rank of serjeant-major.

2nd " " " " quartermaster-ser-
jeant.

3rd class clerk or assistant storekeeper, with the rank of 2nd class staff-serjeant.

Issuer, with the rank of corporal.

PERSONAL EQUIPMENT OF OFFICERS.

PLATES to .

The officers of the Commissariat Department provide all articles of clothing, personal equipment, and horse furniture at their own expense.

The following are the authorized regulations for the personal equipment and horse furniture of officers of the Commissariat Department :—

Coats—tunic, blue, single-breasted, with dark blue velvet collar, cuffs, and slash on sleeve ; the collar rounded off in front, cuff round, two and three-quarter inches deep, and ten and a half round ; slashed flap on sleeve six inches long and two and a quarter inches wide, with three loops of half-inch lace, staff pattern, and uniform buttons ; eight buttons in front, at equal distances ; the skirt ten and a half inches deep for an officer, five feet nine inches in height, with a variation of half an inch longer or shorter for every inch of difference in the height of the wearer ; blue flaps on the skirt behind, ten inches deep, two buttons on flap and one on waist, with three loops of half-inch lace.

Distinctions of Rank, according to the relative ranks in the Army :—

Commissary-General, as Major-General—the collar laced round the top and bottom with inch lace, staff pattern, a star embroidered in silver at each end ; two rows of same lace on cuffs.

Deputy Commissary-General, of five years standing as Colonel—half-inch lace, with a crown and star at each end of the collar.

Deputy Commissary-General, under five years as Lieutenant-Colonel—the same lace, with a crown.

Assistant Commissary-General, as Major—the same lace, a star in silver at each end.

Deputy-Assistant Commissary-General, as Captain—the lace round the top of the collar, with a crown and star.

Acting Deputy-Assistant Commissary-General, as Lieutenant—same lace, with a crown.

” The officers ranking with field officers to have two rows of half-inch lace round the top of the cuff, and edging of the same on the sleeve and skirt flaps, and down the edge of the skirts behind.

” The officers under that rank to have one row of lace round the cuffs, none on the skirt, and the loops only on the skirt and sleeve flaps.

Buttons—gilt, with the crown and star, and the words “ Commissariat Staff ” raised thereon.

Hat for Commissary-General—cocked, without binding ; the fan or back part nine inches, the front seven and a half inches ; each corner five inches ; black ribbons on the two front sides. Double bullion loop, gold, seven and a half inches long, with regulation button and black silk cockade. Tassels, flat gold worked head ; six gold bullions one inch and three-quarters deep, with five crimson silk bullions under them.

For other Ranks—the same, but with gold lace loop, and tassels of gold crape fringe, with crimson underneath.

Trousers for Commissary-General—blue cloth, with gold lace, staff pattern, two inches and a half wide down the outward seam.

For other Ranks—blue cloth, with stripe one and three-quarter inch, staff pattern, lace down each outward seam.

Spurs—screw, yellow metal, crane neck, two inches long for officers ranking as field officers ; steel under that rank.

Plume for Commissary-General—blue swan feathers drooping outwards, eight inches long from the top of the wire, with white feathers underneath, of sufficient length to reach the ends of the blue ones ; feathered stem three and a half inches in length.

For other Ranks—blue and white cock tail, five and a half inches long, mushroom shaped.

Sword—same as for officers of infantry.

Scabbard—brass for officers ranking as field officers ; steel for all other ranks.

Sword-Belt—pale Russia leather, one inch and a half wide, with three rows gold straight embroidery, for Commissary-General, and two rows for other ranks. Slings embroidered on one side, plain gilt buckles to slings ; plate, gilt, with device.

Sword Knot—crimson and gold, with acorn tassel.

Gloves—white leather.

Frock-Coat for Commissary-General—blue, double-breasted, with two rows of regulation buttons, eight in each row, at equal distances ; the rows two inches and a quarter apart at bottom, and three and a quarter at top ; blue velvet stand-up collar, rounded off in front, a star embroidered in gold at each end ; blue velvet round cuff, two inches and a half deep.

For other Ranks—blue, single-breasted, to hook-and-eye ; coat edged all round with $\frac{5}{8}$ inch black mohair braid, five barrels down front and two at hips ; rolling collar, pointed cuffs, five inches deep of $\frac{5}{8}$ inch mohair braid, a row of small eyes round the braid, for Deputy Assistant Commissary-General, and an additional border of small braid on the sleeves for Assistant Commissary-General and Deputy Commissary-General.

Waistcoat—blue cloth, single breasted, with gilt studs down front to hook-and-eye, plain gold braid all round on collar, seam, and pockets, finished with a crow's-foot at each end of pockets.

Undress Trousers for Commissary-General—blue cloth, with scarlet stripes down the outward seam two inches and a half wide, welted at the edges.

For other Ranks—blue cloth, with a scarlet stripe one inch and a half wide down the outward seam.

Boots—Wellington or ankle.

Forage-Cap for Commissary-General—blue cloth, with gold embroidered peak and band of gold lace, staff pattern, two inches wide round the cap.

For other Ranks—blue cloth, with plain black leather peak and chin-strap, with band of staff pattern gold lace one and three-quarter inches wide round the cap ; gold netted button on top. Embroidered peak for Deputy Commissary-General.

Shell-Jacket—blue, blue velvet collar, and pointed cuffs five inches deep, with gilt studs down the front to hook-and-eye.

Cloak—blue, lined with scarlet, of pattern for Officers of Infantry, with uniform buttons.

Horse Furniture—bridle, as Officers of Infantry, with brown leather front and rosettes. Bit without bosses. Saddle cloth for mounted Officers, blue cloth, same dimensions as for Infantry Officers, with the lace of black silk, oak-leaf pattern, one inch wide; two rows of lace for Commissary-General and Deputy Commissary-General. Badges in black silk. Holsters, covered with black leather. Girths, blue. Saddle, hunting.

COMMISSARIAT STAFF CORPS.

Quartermaster—The dress and appointments to assimilate in every respect to those of an Acting Deputy Assistant Commissary-General, except that the sword-belt is to be plain, without embroidery.

Horses.

The following is the highest number of horses for which commissariat officers are allowed to draw forage; this is not, however, in any case to be drawn for more than the effective number of horses and mules which the officer shall actually keep:—

—	At Home.	Abroad.		
		Not with an Army in the Field.	With an Army in the Field.	
			Horses.	Mules or Baggage Horses.
Commissary-General - - -	3	3	4	4
Deputy Commissary-General - -	2	2	3	3
Assistant Commissary-General - -	1	1	2	2
Deputy Assistant Commissary-General (if his duties require him to be mounted) -	1	1	1	1

Conveyance of Baggage.

Commissariat officers travelling on duty or accompanying troops are allowed conveyance for baggage at the public expense, according to the following scale:—No package is to be more than 400 lbs. in weight, and the dimensions are not to exceed three feet six inches in length, two feet in width, and two feet three inches in depth.

	Cwt.	Cubic Feet.
Deputy Commissary-General, over five years' service	24	120
Deputy Commissary-General - - -	} 20	100
Assistant Commissary-General - - -		
Deputy Assistant Commissary-General - -	14	70
Acting Deputy Assistant Commissary-General -	8	40
Officer's wife, including children under 14 years of age - - - - -	6	30
Children above 14 years of age, each - - -	$\frac{1}{2}$	$2\frac{1}{2}$

Indemnification for Losses of Personal Equipment.

The regulations respecting indemnification for unavoidable loss of baggage by capture, shipwreck, accidental fire, &c. are contained in Royal Warrant, pages 80 to 100 (see table on next page).

Indemnification for Loss of Horses.

The allowances granted for the loss of horses shall not exceed the following rates:—

Officers who rank as field officers, 35*l.* for each horse.

Other officers, 25*l.* for each horse.

Bât horses or mules, 20*l.* for each animal.

The regulated Amount of Compensation to Commissariat Officers for Losses of Personal Equipment is as follows:—

	Baggage.						Horse Appointments.	Camp Equipage.	
	Uniform.	Linen, &c.	Boots, &c.	Sword and Ap- pointments.	Writing Case and Portman- teaus.	Total.		Canteen, Bed- ding, and Tent Furniture.	Marquees when not provided at the public Expense.
<i>Full Equipment when serving at a stationary Command.</i>	£ s.	£ s.	£ s.	£ s.	£ s.	£ s.	£ s.	£ s.	£ s.
Commissary-General -	51 10	54 0	9 0	6 5	12 0	132 15	6 10 for each horse.	50 0	40 0
Officer ranking with field officer -	48 10	16 0	7 0	6 5	8 10	86 5			
Officer below the rank of field officer -	45 0	11 0	6 7	6 5	5 0	73 12			
								According to relative rank.	
<i>Light Equipment on Service in the Field.</i>									
Commissary-General -	35 0	34 0	7 0	6 5	9 0	91 5	6 10 for each horse.	50 0	40 0
Officer ranking with field officer -	33 0	9 10	5 0	6 5	3 0	56 15			
Officer below the rank of field officer -	31 0	6 10	4 7	6 5	3 0	51 2			

GENERAL REMARKS.

Arms.—The staff-serjeants and buglers of the Commissariat Staff Corps are provided with a sword and waist belt; the serjeants, corporals, and privates with carbines and sword-bayonets. The arms of the corps are of the same pattern as those provided for the dismounted brigades of the Royal Artillery. The belts are not of buff but of brown leather, the union locket of the waist-belt has the words COMMISSARIAT STAFF CORPS round the circumference.

Clothing.—The clothing is as follows:—

Chaco and cover, issued triennially.

Tunic of blue cloth, with blue velvet facings, issued annually.

Trousers, one pair, issued annually.

Serge trousers, one pair, issued biennially.

Boots, { one pair on 1st April, issued annually.
 " 1st October, "

Great coat, renewed every four years, if worn out.

Leather leggings, " three "

The caps are of two qualities, viz., one for staff-serjeants, and one for all other ranks. The tunics are of three qualities, viz., serjeant-major's, serjeant's, and private's. The chevrons for all ranks are of gold lace. The trousers are of three qualities, one for staff-serjeants, one for serjeants, and the third for privates.

The great coats are of the same pattern as those issued to the dismounted brigades of the Royal Artillery. The boots are all of the same pattern as in the other dismounted branches of the service.

The working dresses supplied to the men of the different trades are public property, and are to be returned into store when unserviceable.

Necessaries.—The necessaries are supplied in the first instance at the expense of government, but are required to be kept up at the expense of the men themselves.

All requisitions for arms, accoutrements, and clothing are to be forwarded in duplicate to the Secretary of State for War in the same manner as those of other arms of the service. The latest forms respecting the clothing and necessaries of the Commissariat Staff Corps are contained in the regulations for the provision of clothing and necessaries for the army.

Great coats and leather leggings are to be returned into store when worn out. Other articles of clothing become the property of the soldier when they have been the prescribed period in wear.

Every man receives a soldier's small account book free of charge, but it is to be replaced at his expense if lost or made away with.

Bibles and prayer books are furnished at the public expense to those men who may desire to possess them, and they are allowed to retain them when discharged. For rules respecting these latter, see Queen's Regulations, page 213, and War Office Circular 721, 25th October 1861.

GENERAL LIST OF ARTICLES IN USE.

Description.	Pattern.	To what Ranks issued.	Cost of each.		Weight of each.	
			£	s. d.		
<i>Arms and Accoutrements.</i>						
Sword, with steel scabbard.	Staff serjeants, R.A.	Staff-serjeants -	0	19 6	2 15	
Sword, with leather scabbard.	Drummers, line -	Buglers -	0	11 6	2 9	
Carbine, rifled percussion, with ramrod.	Artillery pattern, /53, 3 grooves.	} Serjeants and rank and file.	3	14 6	7 0	
Caps, snap, with eyelets, per 100.	R.A. - - -		0	12 6	0 0½	
Jags, brass - -	" - - -		0	0 2½	0 0½	
Nipples, spare -	" - - -		0	0 2	-	
Sword bayonets and scabbards.	" - - -		0	16 0	2 10	
Stoppers, muzzle -	" - - -		0	0 2½	0 0½	
Wrenches, { with cramps. nipple without cramps.	" - - -		0	2 4	0 6	
	" - - -		0	0 11½	0 3½	
Bugles and strings, 1 per company.	Infantry - - -		-	0	13 1½	1 10½
Handcuffs, pair, ditto -	All arms - - -		-	0	4 0	1 6
Belt, waist, with sword carriages.	- - - -	} Staff-serjeants	0	8 0	0 11	
Knot, sword - - -	- - - -		0	0 8	0 1	
Plate for waist-belt -	- - - -		0	2 0	0 5	
Bag, ball, with inner cap pocket and oil bottle, to hold 10 rounds of ammunition.	- - - -	} Serjeants and rank and file.	0	2 0	0 5	
Belt, waist - - -	- - - -		0	2 0	0 5½	
Frog, sliding, with strap and buckle.	- - - -		0	0 8	0 2½	
Plate for waist-belt -	- - - -		0	1 7	0 5	
Sling, carbine - - -	- - - -		0	0 10	0 3	
Canteen, wood, with strap (on active service only).	- - - -	} All ranks	0	2 3	1 10	
Haversack, with slide	- - - -		0	1 1	0 10	
<i>Clothing.</i>						
Boots, ankle (new pattern).	Universal, dismd. soldiers.	All ranks -	0	9 2	3 0	
Chaco and cover -	Special - - -	Serjeant-major -	0	12 11	0 12	
" " - - -	" - - -	Serjeants -	0	7 11	} 0 11½	
" " - - -	" - - -	Privates -	0	7 11		
Great coat - - -	Universal, dismd. soldiers.	Serjeant-major -	1	17 7	5 4	
" - - -	" " - - -	Serjeants -	1	3 1	} 6 8	
" - - -	" " - - -	Privates -	1	2 9		
Leggings, leather	" " - - -	All ranks -	0	11 0	0 9	
Trousers - - -	Special - - -	Serjeant-major -	1	1 6	1 14	
" - - -	" - - -	Serjeants -	0	15 6	2 1	
" - - -	" - - -	Privates -	0	12 0	2 8	
Serge trousers	- - - -	Serjeant-major -	0	15 7½	1 8½	
" - - -	" - - -	Serjeants -	0	7 11	} 1 8½	
" - - -	" - - -	Privates -	0	7 11		

General List of Articles in Use—*continued.*

Description.	Pattern.	To what Ranks issued.	Cost of each.	Weight of each.	
Tunic - - -	Special - - -	Serjeant major -	£ s. d. 3 4 0	} 2 9	
" - - -	" - - -	Staff-serjeants -	3 4 0		
" - - -	" - - -	Serjeants -	1 16 9	3 3	
" - - -	" - - -	Privates -	0 17 9	3 3	
<i>Necessaries.</i>					
Bag, waterproof, with hook.	Artillery, Engineers, Comt. Staff Corps, Army Hospital Corps.	} All ranks -	0 5 6	1 14	
Blacking, tin of	All arms - - -		0 0 2	0 7½	
Braces, pair - - -	" - - -		0 0 10½	0 4	
Brass, button - - -	" - - -		0 0 1½	0 1½	
Brushes {	" - - -		" - - -	0 0 6½	0 3
				0 0 10	0 3½
				0 0 3½	0 1½
				0 0 3	0 2
shoe {	" - - -		" - - -	0 0 9½	0 4½
				0 0 11½	0 4
Cap, forage, and strap	Special - - -		Serjeant-major -	1 0 0	0 5½
" " - - -	" - - -		Serjeants -	- - -	0 4½
" " - - -	" - - -		Privates -	0 3 2½	0 6
Cap, stable - - -	Comt. Staff Corps, and universal for sea kits.	Serjeant-major	0 0 7½	} 0 2½	
		Serjeants -	0 0 7½		
		Privates -	0 0 7½		
Comb - - -	All arms - - -	All ranks	0 0 2½	0 0½	
Cover, mess, tin -	Universal, for disd. soldiers.	"	0 0 6½	0 4	
Hold-all - - -	All arms - - -	"	0 0 5	0 3	
Gloves, leather, pair -	" - - -	"	0 2 6½	0 2½	
Jacket, fatigue - - -	Special - - -	Serjeant-major -	1 15 0	} 1 10	
" " - - -	" - - -	Staff-serjeants -	1 15 0		
" " - - -	" - - -	Serjeants -	0 16 0		
" " - - -	" - - -	Privates -	0 11 0		
Knapsack, complete, with straps.	" - - -	All ranks	0 8 2	4 2	
Knife, pocket - - -	All arms - - -	"	0 0 7	0 4½	
Knife, fork, and spoon {	" - - -	" - - -	0 0 2½	} 0 5	
			0 0 2		
			0 0 2½		
Mess, tin - - -	Universal, disd. soldiers.	"	0 0 9½	1 6	
Razor and case - - -	All arms - - -	"	0 0 4½	0 2½	
Scissors, pairs - - -	" - - -	"	0 0 6	0 4	
Shirts, cotton - - -	" - - -	"	0 4 1	0 14½	
Stock - - -	" - - -	"	0 0 5½	0 2	
Soap, cake of, and case	" - - -	"	0 0 0½	0 4½	
Socks, woollen, pairs -	" - - -	"	0 0 11½	0 5½	
Sponge - - -	" - - -	"	0 0 8½	0 0½	
Towels - - -	" - - -	"	0 0 9	0 8	
Vests, flannel - - -	" - - -	"	0 3 6½	0 7½	
<i>Books.</i>					
Pocket ledger - - -	All arms - - -	All ranks	0 0 3	0 2	
Bible - - -	" - - -	"	- - -	0 8½	
Common Prayer book	" - - -	"	- - -	0 7½	

EQUIPMENT OF SERJEANT-MAJOR.

No.	Description.	Cost of each.	Weight of each.	Total Cost.	Total Weight.		
	<i>Arms and Accoutrements.</i>	£ s. d.	lbs. oz.	£ s. d.	lbs. oz.		
1	Sword, with steel scabbard -	0 10 6	2 15	0 10 6	2 15		
1	Belt, waist, with sword car- riages -	0 8 0	0 11	0 8 0	0 11		
1	Knot, sword -	0 0 8	0 1	0 0 8	0 1		
1	Plate for waist-belt -	0 2 0	0 5	0 2 0	0 5		
1	Canteen, wood, with strap (on active service only) -	0 2 3	1 10	0 2 3	1 10		
1	Haversack, with slide -	0 1 1	0 10	0 1 1	0 10		
	<i>Clothing.</i>						
2	Boots, ankle - pairs	0 9 2	3 0	0 18 4	6 0		
1	Chaco and cover -	0 12 11	0 12	0 12 11	0 12		
1	Great coat -	1 17 7	5 4	1 17 7	5 4		
1	Leggings, leather - pair	0 11 0	0 9	0 11 0	0 9		
1	Trousers -	1 1 6	1 14	1 1 6	1 14		
1	" serge -	0 15 7½	1 8½	0 15 7½	1 8½		
1	Tunic, complete -	3 4 0	2 9	3 4 0	2 9		
	<i>Necessaries.</i>						
1	Bag, waterproof, with hook -	0 5 6	1 14	0 5 6	1 14		
1	Blacking, tin of -	0 0 2	0 7¼	0 0 2	0 7¼		
1	Braces - pair	0 0 10½	0 4	0 0 10½	0 4		
1	Brass, button -	0 0 1½	0 1½	0 0 1½	0 1½		
1	Brushes {	brass -	0 0 6¾	0 3	0 0 6¾	0 3	
1		clothes -	0 0 10¾	0 3½	0 0 10¾	0 3½	
1		shaving -	0 0 3¾	0 1¼	0 0 3¾	0 1¼	
1		shoe {	blackening -	0 0 3¾	0 2	0 0 3¾	0 2
1		polishing -	0 0 9¾	0 4½	0 0 9¾	0 4½	
1	hair -	0 0 11½	0 4	0 0 11½	0 4		
1	Cap, forage, and strap -	1 0 0	0 5½	1 0 0	0 5½		
1	Cap, stable -	0 0 7¾	-	0 0 7¾	0 2¾		
1	Comb -	0 0 2½	0 0½	0 0 2½	0 0½		
1	Cover, mess, tin -	0 0 6¼	0 4	0 0 6¼	0 4		
1	Hold-all -	0 0 5	0 3	0 0 5	0 3		
1	Gloves, leather - pair	0 2 6½	0 2¾	0 2 6½	0 2¾		
1	Jacket, fatigue -	1 15 0	1 10	1 15 0	1 10		
1	Knapsack, complete, with straps -	0 8 2	4 2	0 8 2	4 2		
1	Knife, pocket -	0 0 7	0 4½	0 0 7	0 4½		
1	Knife, fork, and spoon {	knife -	0 0 2½	0 5	0 0 6¾	0 5	
1		fork -	0 0 2				
1	spoon -	0 0 2¼					
1	Mess tin -	0 0 9¼	1 6	0 0 9¼	1 6		
1	Razor and case -	0 0 4½	0 2½	0 0 4½	0 2½		
1	Scissors - pair	0 0 6	0 4	0 0 6	0 4		
3	Shirts, cotton -	0 4 1	0 14¾	0 12 3	2 12½		
1	Stock -	0 0 5½	0 2	0 0 5½	0 2		
1	Soap, cake of, and case -	0 0 0¾	0 4½	0 0 0¾	0 4½		
3	Socks, woollen - pairs	0 0 11¾	0 5½	0 2 11½	0 15¾		
1	Sponge -	0 0 8¾	0 0½	0 0 8¾	0 0½		
2	Towels -	0 0 9½	0	0 1 6½	1 0		
2	Vests, flannel -	0 3 6½	0 7¼	0 7 1	0 14½		
	<i>Books.</i>						
1	Pocket ledger -	0 0 3	0 2	0 0 3	0 2		
1	Bible -	-	0 8½	-	0 8½		
1	Prayer book -	-	0 7¼	-	0 7¼		
	Total -	-	-	15 11 5½	35 2½		

EQUIPMENT OF PRIVATE.

No.	Description.	Cost of each.		Weight of each.		Total Cost.		Total Weight.		
		£	s. d.	lbs.	oz.	£	s. d.	lbs.	oz.	
<i>Arms and Accoutrements.</i>										
1	Carbine, rifled, with ramrod	-	-	-	-	3	14 6	7	9	
1	Jags, brass -	-	-	-	-	0	0 2½	0	0½	
1	Sword bayonet and scabbard	-	-	-	-	0	16 0	2	10	
1	Stopper, muzzle -	-	-	-	-	0	0 2¼	0	0½	
1	Wrench nipple, with cramp	-	-	-	-	0	2 4	0	6	
1	Bag, ball, with inner cap pocket and oil bottle	-	-	-	-	0	2 0	0	5	
1	Belt, waist -	-	-	-	-	0	2 0	0	5½	
1	Frog, sliding, with strap and buckle	-	-	-	-	0	0 8	0	2½	
1	Plate for waist-belt	-	-	-	-	0	1 7	0	5	
1	Sling, carbine	-	-	-	-	0	0 10	0	3	
1	Canteen, wood, with strap (on active service only)	-	-	-	-	0	2 3	1	10	
1	Haversack, with slide	-	-	-	-	0	1 1	0	10	
<i>Clothing.</i>										
2	Boots, ankle	0	9 2	3	0	0	18 4	6	0	
1	Chaco and cover	-	-	-	-	0	12 11	0	12	
1	Great coat -	-	-	-	-	1	2 9	6	8	
1	Leggings, leather - pair	-	-	-	-	0	11 0	0	9	
1	Trousers -	-	-	-	-	0	12 0	2	8	
1	„ serge -	-	-	-	-	0	7 11	1	8½	
1	Tunic -	-	-	-	-	0	17 9	3	3	
<i>Necessaries.</i>										
1	Bag, waterproof, with hook	-	-	-	-	0	5 6	1	14	
1	Blacking, tin of	-	-	-	-	0	0 2	0	7½	
1	Braces - pair	-	-	-	-	0	0 10½	0	4	
1	Brass, button	-	-	-	-	0	0 1½	0	1½	
1	Brushes {	brass	-	-	-	0	0 6½	0	3	
1		clothes	-	-	-	0	0 10½	0	3½	
1		shaving	-	-	-	-	0	0 3½	0	1½
1		shoe {	blackening	-	-	-	0	0 3½	0	2
1			polishing	-	-	-	-	0	0 9½	0
1	hair	-	-	-	-	0	0 11½	0	4	
1	Cap, forage, and strap	-	-	-	-	0	3 2½	0	6	
1	Cap, stable -	-	-	-	-	0	0 7½	0	2½	
1	Comb	-	-	-	-	0	0 2½	0	0½	
1	Cover, mess, tin	-	-	-	-	0	0 6½	0	4	
1	Hold-all	-	-	-	-	0	0 5	0	3	
1	Gloves, leather - pair	-	-	-	-	0	2 6½	0	2½	
1	Jacket, fatigue	-	-	-	-	0	11 0	1	6	
1	Knapsack, complete, with straps	-	-	-	-	0	8 2	4	2	
1	Knife, pocket	-	-	-	-	0	0 7	0	4½	
1	„ fork, and spoon	-	-	-	-	0	0 6½	0	5	
1	Mess tin	-	-	-	-	0	0 9½	1	6	
1	Razor and case	-	-	-	-	0	0 4½	0	2½	
1	Scissors - pair	-	-	-	-	0	0 6	0	4	
3	Shirts, cotton	0	4 1	0	14½	0	12 3	2	12½	
1	Stock	-	-	-	-	0	0 5½	0	2	
1	Soap, cake of, and case	-	-	-	-	0	0 0½	0	4½	
3	Socks, woollen - pairs	-	-	-	-	0	0 11½	0	5½	
1	Sponge	-	-	-	-	0	0 8½	0	0½	

Equipment of Private—*continued.*

No.	Description.	Cost of each.		Weight of each.		Total Cost.		Total Weight.	
		£	s. d.	lbs. oz.	£	s. d.	lbs. oz.		
2	Towels - - -	0	0 9½	0	8	0	1 6½	1	0
2	Vests, flannel - -	0	3 6½	0	7½	0	7 1	0	14½
<i>Books.</i>									
1	Pocket ledger - -	-	-	-	-	0	0 3	0	2
1	Bible - - -	-	-	-	-	-	-	0	8½
1	Prayer book - -	-	-	-	-	-	-	0	7½
	Total - - -	-	-	-	-	13	9 7	55	6½

AMMUNITION.

Each non-commissioned officer or private of the Commissariat Staff Corps, armed with a carbine, carries in his ball bag ten rounds of ammunition.

The ammunition issued to the Commissariat Staff Corps as ball cartridge, is of the following description:—Elongated bullet with plug of baked clay; weight, 530 grains; length, 1·095 inch; diameter, 0·55 inch; charge, 2½ drams, E. R. or Enfield rifle powder. The price of the cartridges is 2*l.* per 1,000. Caps are always issued in excess of the number of cartridges, the proportion is 150 to 100 for service ammunition, and 110 to 100 with ball or blank ammunition for practice.

Ball ammunition is made up in white or whited-brown paper; blank ammunition is made up in purple paper.

The weight of ten rounds of ball ammunition with the proper complement of caps is 14¾ ozs.

TRADESMEN AND ARTIFICERS.

The non-commissioned officers and privates of a company of the Commissariat Staff Corps usually consist of tradesmen and artificers in the following proportion :—

48 bakers.	2 harness and collar-makers.
18 butchers.	2 shoemakers.
4 carpenters.	2 tailors.
2 smiths.	2 bricklayers.
2 coopers.	2 grocers.
2 wheelers and saddle-makers.	15 storekeepers and issuers.

LIST OF THE ARTICLES OF BAKER'S EQUIPMENT REQUISITE FOR ONE COMPANY OF THE COMMISSARIAT STAFF CORPS.

Description.	No. of Drawing.	Cost of each.			Weight of each.			Total No.	Total Cost.			Total Weight.			Remarks.
		£	s.	d.	lbs.	oz.	£		s.	d.	lbs.	oz.			
Axes, Canada pattern, handled - - -		0	3	6	5	14	8	1	8	0	47	0			
Baskets, flour, lined with tin - - -		0	6	6	6	8	4	1	6	0					
Boards, bread - - -		0	1	6½	-	-	12	0	18	6					
Boilers, Soyer's, 8 gallon - - -		4	0	0	138	0	6	24	0	0					
Bowls, iron - - -		0	2	0	-	-	6	0	12	0					
Breakers { 5 gallons - - -		0	3	0	13	11	4	0	12	0	54	12			
{ 10 " - - -		0	4	0	23	10	4	0	16	0	94	8			
Brushes { hand - - -		0	1	6	0	11½	12	0	13	0	8	13			
{ dust - - -		0	1	6	0	12	10	0	15	0	7	8			
Cans { beer - - -		0	2	1	-	-	4	0	8	4					
{ oil - - -		0	1	7	-	-	2	0	3	2					
{ water - - -		0	2	9	-	-	4	0	11	0					
Knives { bread - - -		0	1	0	0	8	12	0	12	0	6	0			
{ dough - - -		0	0	6½	-	-	18	0	9	9					
Lamps { oven - - -		0	2	6	-	-	12	0	18	0					
{ signal - - -		-	-	-	-	-	1	-	-	-					
Ovens, field, { Aldershot pattern - - -		6	2	6	320	0	5	30	12	6					
{ complete, with tins { Curragh pattern - - -		5	15	0	342	0	5	28	15	0					
Peels, { drawing - - -		0	7	6	23	0	10	3	15	0					
{ setting - - -		0	3	6	4	8	20	3	10	0	90	0			
Rakes, iron - - -		0	4	0	7	1	6	1	4	0					
Saws, cross, with handles, for cutting wood - - -		0	9	0	10	11	2	0	18	0	21	6			
Scales, dough, and weights to 7 lbs. - - -		0	7	6	7	4	10	3	15	0					
Scrapers - - -		0	1	0	0	9	18	0	18	0					
Scoops, tin - - -		0	0	11	1	9½	2	1	2	0	3	3½			
Seives, hair, 16" diameter - - -		0	5	0	2	0	12	3	0	0					
Smashers, potatoe - - -		0	2	0	7	10	6	0	12	0					
Strainers, tin - - -		0	4	0	7	12	6	1	4	0	42	4½			
Tables, deal, small - - -		1	1	0	-	-	5	5	5	0					
Thermometers, baker's - - -		0	4	6	0	4	6	1	7	0					
Troughs, dough, for field service, with covers - - -		7	1	0	481	0	6	2	2	6					
Trucks - - -		0	13	0	-	-	2	1	6	0					
Tubs { ferment, in nests of 10 each each - - -		0	12	6	32	8	1	0	12	6					
{ yeast " " - - -		0	12	0	35	14	1	0	12	0	35	14			
{ water " " - - -		0	10	0	3	4	1	0	10	0					
Wedges, iron, for splitting wood - - -		-	-	-	-	-	12	0	14	0	75	4			
Total - - -		-	-	-	-	-	-	126	2	3					

**LIST OF ARTICLES OF BUTCHER'S EQUIPMENT REQUISITE FOR ONE
COMPANY OF THE COMMISSARIAT STAFF CORPS.**

Description.	No. of Drawing.	Cost of each.	Weight of each.	Total No.	Total Cost.	Total Weight.	Remarks.
Aprons, leather	-	£ s. d.	lbs. oz.		£ s. d.	lbs. oz.	
Axes	-	0 3 4	2 7	6	1 0 0	14 10	
Breast irons	-	0 3 6	3 14	4	0 14 0	15 8	
Cans, water	-	0 2 0	-	4	0 8 0	-	
Chairs, camp	-	0 2 9	-	4	0 11 0	-	
Corces	-	-	-	4	0 12 0	-	
Gallows { hanging	-	0 6 0	10 6	2	-	20 12	
{ killing	-	-	-	1	-	-	
Gambles { wooden	-	-	-	1	-	-	
{ iron	-	0 0 7	0 12	4	0 2 4	3 0	
Head ropes	-	0 0 7	0 15	12	0 7 0	5 0	
Hooks { large, assorted	-	0 4 6	-	12	2 14 0	-	
{ small	-	-	-	12	0 2 4	18 0	
Knives { cutting	-	-	-	12	0 2 4	4 10	
{ jointing	-	0 0 6	0 6½	24	0 12 0	10 2	
{ meat	-	0 0 6	0 3½	24	0 12 0	2 10	
{ siding	-	0 1 0	0 8	6	0 6 0	3 0	
Meat { saws	-	0 0 6	0 4½	24	0 12 0	3 6	
{ cleavers	-	0 2 6	1 10	6	0 15 0	9 12	
Pithing canes	-	0 6 0	10 6	6	1 16 0	62 4	
Pole axes	-	0 0 8	-	12	0 8 0	-	
Pouches and straps to carry knives	-	0 2 2	8 9	6	0 13 0	51 6	
Pritchets	-	0 2 7	0 14	18	2 6 6	15 12	
Skewers - per 100	-	0 2 0	2 7	6	0 12 0	14 10	
Spreaders	-	0 3 0	1 9	4,000	6 0 0	62 8	
Steels, sharpening	-	0 3 6	3 8	4	0 14 0	14 0	
Water pails in nests	-	0 1 8	0 13	24	2 0 0	19 8	
Wiping cloths	-	0 2 9	-	6	0 16 6	-	
Wiping cloths	-	0 0 5	0 3	36	0 15 0	6 12	
Total	-	-	-	-	-	-	

EQUIPMENT OF A CARPENTER.

Description.	No. of Drawing.	Cost of each.	Weight of each.	Total No.	Total Cost.	Total Weight.	Remarks.	
		£ s. d.	lbs. oz.		£ s. d.	lbs. oz.		
<i>List of Tools and Implements for a Carpenter, for General Army and Engineer Field Service.</i>								
Adze, wheeler's (handed)-		0 8 0	6 3	1	0 8 0	6 3		
Axe, broad, 6½ lbs.		0 5 6	7 10	1	0 5 6	7 10		
Blades, awl, brad, per dozen		0 0 9	0 2½	24	0 1 6	3 12		
Handles for ditto		0 1 0	0 1½	6	0 6 0	0 7½		
Augers, shell	1 inch	0 0 9	0 12	1	0 0 9	0 12		
		0 0 10	0 13	1	0 0 10	0 13		
		0 1 0	1 2	1	0 1 0	1 2		
		0 1 2	1 4	1	0 1 2	1 4		
		0 1 4	1 13	1	0 1 4	1 13		
		0 1 6	1 13	1	0 1 6	1 13		
Handles for ditto	1½ inch	0 1 8	2 2	1	0 1 8	2 2		
		0 2 0	2 12	1	0 2 0	2 12		
		0 0 1½	0 8	4	0 0 6	2 0		
Bag, tool		0 1 4	1 11	1	0 1 4	1 11		
Bevel, steel blade, 12 inch-		0 1 10	0 9	1	0 1 10	0 9		
Bar, crow, hand, 7 lbs.		0 2 0	7 0	1	0 2 0	7 0		
Compasses, pairs	with sweep, 10-inch	0 2 0	1 0	1	0 2 0	1 0		
	common, 7-inch	0 0 9	0 5	1	0 0 9	0 5		
Chisels	cold, hand	8-inch x ¾-inch	0 1 0	0 13	1	0 1 0	0 13	
		8-inch x 1-inch	0 1 4	1 3	1	0 1 4	1 3	
	firmer	¾-inch	0 0 6	0 3	1	0 0 6	0 3	
		1 inch	0 0 7	0 3½	1	0 0 7	0 3½	
		1½ inch	0 0 8	0 5	1	0 0 8	0 5	
	mortice	1 inch	0 1 0	1 1	1	0 1 0	1 1	
		1½ inch	0 1 0	0 9	1	0 1 0	0 9	
		2 inch	0 1 1	1 0½	1	0 1 1	1 0½	
	sockets	1 inch	0 1 3	1 4	1	0 1 3	1 4	
		1½ inch	0 0 10	0 12	1	0 0 10	0 12	
2 inch		0 0 10	0 14	1	0 0 10	0 14		
2½ inch		0 1 0	0 14	1	0 1 0	0 14		
Files	bastard	1 inch	0 1 2	1 5	1	0 1 2	1 5	
		1½ inch	0 1 4	1 11	1	0 1 4	1 11	
	saw	half round, 14-inch	0 1 3	1 7	2	0 2 6	2 14	
		round, 14-inch	0 1 3	1 0½	1	0 1 3	1 0½	
Rasp, 12-inch, half round, coarse	hand, 5½-inch	0 0 3	0 2½	18	0 4 6	2 13		
	tenon, 4-inch	0 0 2½	0 0½	6	0 1 3	0 3		
Gimlets	nail	0 1 1	0 13	1	0 1 1	0 13		
	spike	¾-inch	0 0 3	0 1	8	0 2 0	0 8	
		1 inch	0 0 4	0 2½	2	0 0 8	0 5	
		0 0 6	0 5	2	0 1 0	0 10		

Equipment of a Carpenter—*continued.*

Description.	No. of Drawing.	Cost of each.			Total No.	Total Cost.			Total Weight.	Remarks.		
		£	s.	d.		lbs.	oz.	£			s.	d.
Gauges { peeking firmer or	} 3/8-inch	0	1	2	1	3	1	0	1	2	1	3
		0	0	6	0	4	1	0	0	6	0	4
		0	0	7	0	5	1	0	0	7	0	5
Gauges { scribing single	} 1/2-inch	0	0	8	0	6	1	0	0	8	0	6
		0	0	6	0	4	1	0	0	6	0	4
Gauges { mortice sledge, 10 lbs., handled	}	0	1	8	0	7	1	0	1	8	0	7
		0	3	2	11	13	1	0	3	2	11	13
Hammers { hand or rivet- ting, 24 oz., handled	}	0	1	8	1	14	1	0	8	1	14	
		0	4	6	6	0	1	0	4	6	6	0
		0	0	7	-	-	1	0	0	7	-	-
Handles { adze, wheeler's. See Adze axe, broad. See Axe	}	0	0	7	-	-	1	0	0	7	-	-
		0	0	7	-	-	1	0	0	7	-	-
		0	0	6	-	-	1	0	0	6	-	-
Line, chalk, carpenter's		0	0	2	0	5	1	0	0	2	0	5
Reel, for chalk line, with chalk		0	0	2	0	2	1	0	0	2	0	2
Mallet, wood, carpenter's		0	1	6	1	10	1	0	1	6	1	10
Pencils, blacklead, per doz.		0	0	9	0	4	12	0	0	9	0	4
Pin, drawbore, 16 inches- iron, short		0	1	0	1	9	1	0	1	0	1	9
Planes { jack, double-iron- smoothing trying skew, rebate, 1 1/2- inch bead, 3/8-inch plough, with 8 irons	}	0	0	9	0	11	2	0	1	6	1	6
		0	3	6	4	12	1	0	3	6	4	12
		0	2	9	2	1 1/2	1	0	2	9	2	1 1/2
		0	4	6	6	12 1/2	1	0	4	6	6	12 1/2
		0	1	10	1	6	1	0	1	10	1	6
0	1	10	0	15	1	0	1	10	0	15		
0	13	0	2	6	1	0	13	0	2	6		
Lock, pad, iron, middling, single		0	0	10	1	2	1	0	0	10	1	2
Squares, iron, figured, 24- inch		0	2	4	1	9	1	0	2	4	1	9
Pot, glue, cast-iron, double		0	3	6	6	8	1	0	3	6	6	8
Brush, for glue		0	0	3	0	2	1	0	0	3	0	2
Pincers, carpenter's		0	1	6	1	0	1	0	1	6	1	0
Punches, carpenter's { large or wheeler's, 7-inch { small		0	0	9	1	0	1	0	0	9	1	0
0	0	7	0	13	1	0	0	7	0	13		
Rule, 2-foot, common		0	1	0	0	2	1	0	1	0	0	2
Set, saw, hand		0	0	8	0	2 1/2	1	0	0	8	0	2 1/2
Saws { hand, 26-inch tenon, 19-inch, iron back turning or compass rag	}	0	2	6	2	1	1	0	2	6	2	1
		0	3	0	2	5	1	0	3	0	2	5
		0	0	8	0	7	1	0	0	8	0	7
		0	0	2	1	2	1	0	0	2	1	2
Stones { grind, carpenter's, 10-inch grind, carpenter's, 18-inch oil, in frame	}	1	0	0	22	0	1	1	0	0	22	0
		1	4	0	86	0	1	1	4	0	86	0
		0	2	2	2	4	1	0	2	2	2	4
Screwdriver { 14-inch 6 " 4 "	}	0	2	0	2	0	1	0	2	0	2	0
		0	0	10	0	12	1	0	0	10	0	12
		0	0	10	0	0	2	0	1	8	1	0
Shaves, spoke { 3 1/2 " 3 1/4 "	}	0	0	8	0	6	2	0	1	4	0	12
		0	0	8	0	6	2	0	1	4	0	12

Equipment of a Carpenter—*continued.*

Description.	No. of Drawing.	Cost of each.	Weight of each.	Total No.	Total Cost.	Total Weight.	Remarks.
Squares, steel blades, 9-inch		£ s. d.	lbs. oz.		£ s. d.	lbs. oz.	
Stocks, for bits - - -		0 1 6	0 10	1	0 1 6	0 10	
viz. :—		- - -	1 7	1	- - -	- - -	
{ centre - - -				7			
{ countersunk - - -				2			
{ dowling, sash, with collar - - -		0 12 0	13 4	1	0 12 0	13 4	
Bits { gouge - - -				5			
{ nose - - -				6			
{ rimer, square - - -				1			
{ screwdriver - - -				1			
{ taper - - -				1			
Spanner, McMahon's patent, 15-inch - - -		0 10 0	3 6	1	0 10 0	3 6	
Chest, tool - - -		1 0 0	94 0	1	1 0 0	94 0	
Nails, by the lb., according to the number in the nail book - - -		- - -	- - -	- - -	- - -	- - -	
Glue - - - per lb.		0 0 8	- - -	- - -	- - -	- - -	
Total - - -		- - -	- - -	- - -	11 9 4	355 3	

EQUIPMENT OF A SMITH.

Description.	No. of Drawing.	Cost.	Weight.	Total No.	Remarks.
<i>Set of Smith's Tools.</i>					
		£ s. d.	lbs. oz.		
Bits for brace { rimer { square - -		0 0 6	0 4	1	
{ half-round - -		0 0 5	0 5	1	
{ countersunk rose - -		0 0 3	0 2	1	
Blade, saw, slitting, 10-inch, spare		0 1 4	0 1	1	
Bow, drill, steel, smith's - -		0 3 3	1 0	1	
Boxes, drill, wood - - 3d. each		0 0 6	0 1½	2	
Brace, iron, smith's - -		0 3 6	2 1	1	
Callipers, 10-inch - -		0 2 9	0 7	1	
Chisels { cold, smith's - -		0 1 0	2 3	1	
{ hot, - - 10d. each		0 1 8	3 10	2	
{ hand { 1-inch - - 1s. 3d. "		0 2 6	2 6	2	
{ ¾ " - - 1s. "		0 2 0	1 12	2	
Compasses, 10-inch, wing, with sweep		0 2 6	0 8	1	
Drills, smith's or armourer's - -		0 0 1	0 1	5	
{ 14-inch 1s. each		0 10 0	15 0	10	
{ flat - { 10 " 6d. "		0 3 0	3 12	6	
{ 8 " 4d. "		0 1 4	1 4	4	
{ 14 " 1s. "		0 4 0	5 8	4	
{ ½ round { 10 " 6d. "		0 2 0	2 0	4	
{ 12 " 9d. "		0 3 0	2 8	4	
Files, bastard { round - { 8 " 4d. "		0 0 8	0 5	2	
{ rubbers - 16 " 2s. "		0 6 0	9 0	3	
{ square - { 10 " 5d. "		0 0 10	0 10	2	
{ 8 " 4d. "		0 0 8	0 6	2	
{ 3-square { 12 " 4d. "		0 0 9	1 2	1	
{ 7 " 4d. "		0 0 3	0 3½	1	
Files, warding, assorted { 5-inch, sharp point, cut on both sides - -		0 0 6	0 2	2	
{ 3½-inch, sharp point, cut on one side - -		0 0 4	0 0½	2	
Hammers { sledge, 10 lbs. - -		0 3 0	10 0	1	
{ uphand, 7 " - -		0 2 0	7 0	1	
{ hand, smith's, 3 lbs. - -		0 1 3	3 0	1	
{ " or rivetting, 24 oz. - -		0 1 6	1 8	1	
{ setting, smith's - -		0 1 3	0 9	1	
{ for files - { large per 100		0 5 0	0 6	2	
{ small " - -		0 5 0	0 8	4	
{ for hammers { sledge - -		0 0 6	1 13½	1	
{ uphand - -		0 0 10	2 10	2	
{ hand - -		0 0 2	0 9	1	
Holdall, leather - -		0 3 4	0 12	1	
Pincers, carpenter's - - pair		0 1 6	1 1	1	
Plate { breast, smith's - -		0 0 10	0 9	1	
{ screw, with 10 taps - -		0 5 0	0 9	1	
Punches { hot, smith's { 1-inch - -		0 0 9	1 2	1	
{ ¾ " - -		0 0 9	1 0	1	
{ ½ " - -		0 0 8	1 0	1	
{ cold - { 1-inch - -		0 1 4	2 4	2	
{ ¾ " - -		0 1 0	0 3	1	
Rule, 2-foot, common - -		0 1 0	0 3	1	
Saw, slitting, bow, 10-inch, complete		0 1 0	0 12	1	
Screwdrivers { 15-inch - -		0 1 0	1 3	1	
{ 6 " - -		0 0 4	0 4	1	
Spanner, McMahon's patent, 15-inch		0 12 0	3 6	1	
Square, iron, figured - -		0 1 2	1 6	1	
Stock, drill, smith's or armourer's - -		0 2 3	0 2½	1	

Equipment of a Smith—*continued.*

Description.	No. of Drawing.	Cost.	Weight.	Total No.	Remarks.
		£ s. d.	lbs. oz.		
Stocks and dies, with wrenches, intermediate size, Whitworth's pattern, complete, from $1\frac{1}{8}$ to $\frac{1}{4}$ inch* - - -		23 17 6	69 0	1	
Stone, oil, without frame - - -		0 3 6	2 9	1	
Strings, drill, catgut knobs, 1s. each - - -		0 6 0	0 9	6	
Tongs {	forebit, oval handles - - -	0 1 3	4 1	1	
	plyer, - - -	0 1 0	2 3	1	
	hammer - - -	0 1 9	5 0	1	
	hollowbit - - -	0 1 3	3 1	1	
	bolt - - -	0 1 6	4 7	1	
close, 2 feet long - - -	0 1 0	3 6	1		
Vice {	standing, 36 lbs. - - -	0 14 3	36 0	1	
	hand, 16 oz. - - -	0 2 3	1 0	1	
Chest, tool † - - -		0 14 0	47 8	1	
Lock, pad, iron, middling, single - - -		0 0 9	1 0	1	

* With three taps and dies .875, .625, and .562 inch diameter, the whole set in a separate box.

† A later pattern, approved 6/2/63, has a trunk lock; it measures $3' 4\frac{1}{2}'' \times 1' 2\frac{1}{2}'' \times 1'$, and weighs 51 lbs.

TOOLS AND IMPLEMENTS FOR A COOPER (Approved 4th February 1860).

Description.	No. of Drawing.	Cost of each.	Weight of each.	Total No.	Total Cost.	Total Weight.	Remarks.
		£ s. d.	lbs. oz.		£ s. d.	lbs. oz.	
<i>List of Tools and Implements for a Cooper, for General Army and Engineer Field Service.</i>							
Adzes { chequered head -		0 2 6	2 12	1	0 2 6	2 12	
rounding -		0 2 8	4 7	1	0 2 8	4 7	
Axe, handled -		0 3 2	4 8½	1	0 3 2	4 8½	
Borer, bung, 3 inches		0 8 0	5 0	1	0 8 0	5 0	
Croze { puncheon or barrel,		0 5 0	5 10½	1	0 5 0	5 10½	
stock { 2 in., iron -		0 3 0	1 7½	1	0 3 0	1 7½	
pail, 1½ in., iron -							
Chives { 6 gallon, 7½ in.,		0 3 8	1 6	1	0 3 8	1 6	
sweep -							
4 " 6¾ "		0 3 4	1 2	1	0 3 4	1 2	
Chisel, cold, 7 in. -		0 1 1	2 0	1	0 1 1	2 0	
Compass, wing, 12-in. -		0 1 8	1 1½	1	0 1 8	1 1½	
Drivers { upright socket for		0 2 8	1 9	1	0 2 8	1 9	
wood -							
knead, iron -		0 1 0	3 2	1	0 1 0	3 2	
Froe or splitting knife, 12		0 2 0	3 0	1	0 2 0	3 0	
in., handled -							
Files, hand saw, 5½-in. -		0 0 3	0 2½	6	0 1 6	0 15	
Howel, small, 3½-in., or		0 2 6	1 11	1	0 2 6	1 11	
barrel -							
Hammers { hand, 3½ lbs.,		0 1 4	4 2	1	0 1 4	4 2	
handled -							
rivetting, 8 oz.		0 0 10	0 11	1	0 0 10	0 11	
Handle, hammer, hand,		0 0 2	-	1	0 0 2	0 2	
3½ lbs. (See Hammer)-							
Handle, froe (See Froe)-		0 0 2	-	1	0 0 2	0 2	
Iron, bick, for field service,		0 5 6	3 15	1	0 5 6	3 15	
upon wood -							
Jointer, small, for field service		0 16 0	18 4	1	0 16 0	18 4	
Jigger -		0 2 0	0 15	1	0 2 0	0 15	
Knives { drawing -		0 2 8	1 12	1	0 2 8	1 12	
notching -		0 1 0	0 3½	1	0 1 0	0 3½	
cramming, large -		0 3 2	2 7½	1	0 3 2	2 7½	
Pincers, carpenter's -		0 1 6	1 1½	1	0 1 6	1 1½	
Punches { large, 10-in. -		0 1 0	1 12	1	0 1 0	1 12	
small, 6 " -		0 0 9	0 11	1	0 0 9	0 11	
Rule, 18-in. -		0 1 8	0 2	1	0 1 8	0 2	
Stock, with bits and jaws,		0 5 0	1 10	1	0 5 0	1 10	
set -							
Saw, hand, 26-in. -		0 2 6	2 1	1	0 2 6	2 1	
Saw, turning or compass -		0 1 0	0 7	1	0 1 0	0 7	
Shaves { 2 hand, round -		0 1 6	1 5	1	0 1 6	1 5	
inside for { caaks		0 2 2	1 4	1	0 2 2	1 4	
pails-		0 1 10	0 15½	1	0 1 10	0 15½	
outside, for caaks		0 2 0	1 0	1	0 2 0	1 0	
Stone, oil, in frame, Turkey		0 2 2	2 12	1	0 2 2	2 12	
Stone, rag -		0 0 2	2 2	1	0 0 2	2 2	
Vice, screw -		0 0 8	0 5	1	0 0 8	0 5	
Chest, tool, cooper's, F.S. -		0 15 0	53 0	1	0 15 0	53 0	
Lock, pad, iron, middling,		0 0 10	1 2	1	0 0 10	1 2	
single -							
Total -		-	-	-	5 16 4	71 15	

EQUIPMENT OF A WHEELER AND SADDLE-TREE MAKER.

Description.	No. of Drawing.	Cost of each.			Total No.	Total Cost.			Total Weight.	Remarks.			
		£	s.	d.		lbs.	oz.	£			s.	d.	lbs.
<i>Tools and Implements for Wheeler and Saddle-tree Makers.</i>													
Adze, wheeler's	-	6	6	0	5	15	1	6	6	0	5	15	
	1½ inch	0	1	2½	2	15	1	0	1	2½	2	15	
	1½ " "	0	1	0	2	4	1	0	1	0	2	4	
	1½ " "	0	0	11	2	3	1	0	0	11	2	3	
Augers,	1	0	0	10½	1	12	1	0	0	10½	1	12	
shell	7	0	0	9½	1	4	1	0	0	9½	1	4	
	" "	0	0	8½	1	0	1	0	0	8½	1	0	
	" "	0	0	7½	0	12	1	0	0	7½	0	12	
	" "	0	0	6	0	9	1	0	0	6	0	9	
Axe, broad, 7 lb.	-	0	5	0	7	14	1	0	5	0	7	14	
Bag, tool	-	0	1	2	2	1	1	0	1	2	2	1	
Bar, crow, hand, 7 lb.	-	0	2	0	7	0	1	0	2	0	7	0	
Bevel, steel blade, 12-inch	-	0	1	9	0	8	1	0	1	9	0	8	
centre	-	0	0	6	-	-	7	0	3	6	0	12	
countersunk	-	0	0	3½	-	-	2	0	0	7	0	3	
dowling, sash, with	-												
Bits	-												
for	-												
stock	-												
collar	-	0	0	6	0	1½	1	0	0	6	0	1½	
gouge	-	0	0	3½	-	-	5	0	1	5½	0	9	
nose	-	0	0	3	-	-	6	0	1	6	0	11	
rimer, square	-	0	0	4	0	2	1	0	0	4	0	2	
screwdriver	-	0	0	8	0	2	1	0	0	8	0	2	
taper	-	0	0	9	0	2	1	0	0	9	0	2	
Blades, awl, brad	-	0	0	6	0	4	24	0	1	0	6	0	
Brush for glue	-	0	0	5	0	2	1	0	0	5	0	2	
Buzzes	-												
1 inch	-	0	2	1	1	0	1	0	2	1	1	0	
" "	-	0	2	4	0	14	1	0	2	4	0	14	
boxing	-												
large	-	0	2	0	3	7	1	0	2	0	3	7	
small	-	0	1	6	2	8	1	0	1	6	2	8	
cold, 1 inch x 8 inch	-	0	1	2	0	15	1	0	1	2	0	15	
hand	-	0	1	1	1	3	1	0	1	1	1	3	
frimer	-	0	0	6½	0	2½	1	0	0	6½	0	2½	
" "	-	0	0	6	0	2	1	0	0	6	0	2	
" "	-	0	0	5	0	1½	1	0	0	5	0	1½	
" "	-	0	1	8	1	14	1	0	1	8	1	14	
" "	-	0	1	7	1	6	1	0	1	7	1	6	
" "	-	0	1	5	1	5	1	0	1	5	1	5	
" "	-	0	1	2	1	3	1	0	1	2	1	3	
coach-maker's	-	0	0	11½	0	15	1	0	0	11½	0	15	
pattern	-	0	0	11	1	0	1	0	0	11	1	0	
" "	-	0	0	9½	0	13	1	0	0	9½	0	13	
" "	-	0	0	9	0	10	1	0	0	9	0	10	
" "	-	0	0	8½	0	10	1	0	0	8½	0	10	
" "	-	0	0	8	0	9	1	0	0	8	0	9	
" "	-	0	0	7	0	8½	1	0	0	7	0	8½	
" "	-	0	0	6½	0	9	1	0	0	6½	0	9	
" "	-	0	0	6	0	5	1	0	0	6	0	5	
mortice, ¼ inch	-	0	0	11	0	9	1	0	0	11	0	9	
Com-passes	-												
with sweep, 10-inch	-	0	2	0	0	9	1	0	2	0	0	9	
common, 7-inch	-	0	0	6	0	5	1	0	0	6	0	5	
Files	-												
bas-tard	-	0	1	1	1	6	2	0	2	2	2	12	
half round,	-	0	1	1	1	2	1	0	1	1	1	2	
14-inch-	-	0	0	2½	0	2½	18	0	3	9	2	8½	
round, 14-inch	-	0	0	2	3	1	6	0	1	0	18	6	
saw	-	0	0	2	3	1	6	0	1	0	18	6	
hand, 5½-inch	-	0	0	2	3	1	6	0	1	0	18	6	
tenon, 4-inch	-	0	0	2	3	1	6	0	1	0	18	6	

Equipment of a Wheeler and Saddletree Maker—continued.

Description.	No. of Drawing.	Cost of each.			Weight of each.	Total No.	Total Cost.			Total Weight.	Remarks.		
		£	s.	d.			£	s.	d.			lbs.	oz.
Gauges { single - -		0	0	6	0	6	1	0	0	6	0	6	
Gauges { mortice - -		0	2	4	0	3	1	0	2	4	0	3	
Gauges { nail, of sizes - -		0	0	3	0	0 $\frac{3}{4}$	8	0	2	0	0	0 $\frac{3}{4}$	
Gimlets { spike { $\frac{3}{4}$ -inch - -		0	0	6	0	2 $\frac{1}{2}$	2	0	1	0	0	5	
Gimlets { spike { " " - -		0	0	4 $\frac{1}{2}$	0	4	2	0	0	9	0	8	
Gouges { boxing { 2-inch - -		0	2	10	2	13	1	0	2	10	2	13	
Gouges { boxing { 1 $\frac{1}{2}$ " - -		0	3	3	2	9 $\frac{1}{2}$	1	0	3	3	2	9 $\frac{1}{2}$	
Gouges { pecking, 1 " - -		0	1	3	1	2	1	0	1	3	1	2	
Gouges { " " - -		0	0	7 $\frac{1}{2}$	0	3	1	0	0	7 $\frac{1}{2}$	0	3	
Gouges { scribing { $\frac{5}{8}$ " - -		0	0	7	0	2 $\frac{1}{2}$	1	0	0	7	0	2 $\frac{1}{2}$	
Gouges { scribing { $\frac{3}{4}$ " - -		0	0	6	0	2	1	0	0	6	0	2	
Hammers { handled { hand { 24 oz. - -		0	1	0	1	14	1	0	1	0	1	14	
Hammers { handled { or rivetting { 16 " - -		0	0	10	1	3 $\frac{1}{2}$	1	0	0	10	1	3 $\frac{1}{2}$	
Hammers { handled { shoeing, small, 6lb. - -		0	3	4	6	1 $\frac{1}{2}$	1	0	3	4	6	1 $\frac{1}{2}$	
Hammers { sledge, 10 lb. - -		0	3	2	10	0	1	0	3	2	10	0	
Hammers { adze, wheeler's - -		0	0	7	1	1	1	0	0	7	1	1	
Hammers { augers, of sizes - -		0	0	1 $\frac{1}{2}$	0	9 $\frac{1}{2}$	4	0	0	1 $\frac{1}{2}$	0	9 $\frac{1}{2}$	
Hammers { axe, broad - -		0	0	6 $\frac{1}{2}$	1	6	1	0	0	6 $\frac{1}{2}$	1	6	
Handles { hammer, sledge, 10 lbs. - -		0	0	6	1	13	1	0	0	6	1	13	
Handles { or hafts, bradawl - per doz. - -		0	0	9	1	14	6	0	0	4 $\frac{1}{2}$	0	15	
Knife, drawing - -		0	1	6	2	0	1	0	1	6	2	0	
Line, chalk, carpenter's - -		0	0	2	0	5	1	0	0	2	0	5	
Mallet, wood, carpenter's - -		0	1	6	2	8	1	0	1	6	2	8	
Pencils, blacklead - -		0	0	1	0	1 $\frac{1}{4}$	12	0	1	0	1	9	
Pins, drawbore, { 16 inches iron - -		0	0	8	1	13	1	0	0	8	1	13	
Pins, drawbore, { 12 " - -		0	0	6	1	4 $\frac{1}{2}$	2	0	1	0	2	9	
Pincers, carpenter's - -		0	1	6	1	0	1	0	1	6	1	0	
Planes { bead, $\frac{3}{8}$ -inch - -		0	2	6	1	0	1	0	2	6	1	0	
Planes { double { jack - -		0	3	9	5	0	1	0	3	9	5	0	
Planes { double { smoothing iron - -		0	3	6	2	0	1	0	3	6	2	0	
Planes { double { trying - -		0	4	9	7	1	1	0	4	9	7	1	
Planes { plough, with eight irons - -		0	14	6	4	6	1	0	14	6	4	6	
Planes { skew, rebate, 1 $\frac{1}{2}$ in. - -		0	2	2	1	6	1	0	2	2	1	6	
Pot, glue, copper, double - -		0	3	2	1	11	1	0	3	2	1	11	
Punches, carpen- { large - -		0	0	8	1	4	1	0	0	8	1	4	
Punches, carpen- { small - -		0	0	6	0	9	1	0	0	6	0	9	
Rasp, half-round, coarse, 12-inch - -		0	0	11	0	14	1	0	0	11	0	14	
Reel for chalk line - -		0	0	2 $\frac{1}{2}$	0	2	1	0	0	2 $\frac{1}{2}$	0	2	
Rule, 2-foot, common - -		0	1	0	0	2	1	0	1	0	0	2	
Sampson, wheeler's - -		1	15	0	40	0	1	1	15	0	40	0	
Saws { dovetail, 9-inch - -		0	2	6	0	10 $\frac{1}{2}$	1	0	2	6	0	10 $\frac{1}{2}$	
Saws { frame, 15-inch - -		0	5	0	1	7	1	0	5	0	1	7	
Saws { hand, 26-inch - -		0	2	9	1	13	1	0	2	9	1	13	
Saws { tenon, 19-inch, iron back - -		0	2	6	2	8	1	0	2	6	2	8	
Saws { turning or compass - -		0	0	10	0	6	1	0	0	10	0	6	
Set saw, hand - -		0	0	6	0	2	1	0	0	6	0	2	
Screwdrivers { 14-inch - -		0	2	0	1	14	1	0	2	0	1	14	
Screwdrivers { 6 " - -		0	0	9	0	8	1	0	0	9	0	8	
Screwdrivers { 4 " - -		0	0	7 $\frac{1}{2}$	0	6	2	0	1	3	0	12	
Shaves, spoke { 3 $\frac{1}{2}$ " - -		0	0	6 $\frac{1}{2}$	0	5	2	0	1	1	0	10	
Spanner, 15-inch - -		0	9	3	3	6	1	0	9	3	3	6	

Not packed in chest.

Equipment of a Wheeler and Saddletree Maker—*continued.*

Description.	No. of Drawing.	Cost of each.			Weight of each.			Total No.	Total Cost.			Total Weight.			Remarks.
		£	s.	d.	lbs.	oz.	£		s.	d.	lbs.	oz.			
Squares { iron, figured,															
24-inch -		0	2	3	1	6	1	0	2	3	1	6			
steel { 9-inch -		0	1	3	0	11	1	0	1	3	0	11			
blade { 4 „ -		0	0	9	0	4½	1	0	0	9	0	4½			
Stock for bits -		0	8	6	1	6	1	0	8	6	1	6			
Stones { rag -		0	0	2	0	14	1	0	0	2	0	14			
oil, in frame -		0	2	0	2	10	1	0	2	0	2	10			
Thumb-screw, 9-inch -		0	6	9	2	12½	1	0	6	9	2	12½			
Vices { bench, portable,															
armourer's -		2	0	0	22	1	1	2	0	0	22	1			
hand, 16 oz. -		0	2	3	1	0	1	0	2	3	1	0			
Chest, tool -		0	18	0	95	4	1	0	18	0	95	4			
Lock, pad, iron, middling,															
single -		0	0	10½	1	0½	1	0	0	10½	1	0½			
Grindstones, { 10-inch -		0	19	6	17	0	-	-	-	-	-	-			
field service, { 18 „ -		1	3	6	82	0	-	-	-	-	217	11½			
in frames															
Total -		-	-	-	-	-	-	-	19	3	11½	347	0½		

} To be demanded
as required.

EQUIPMENT OF A HARNESS AND COLLAR MAKER.

Description.	No. of Drawing.	Cost.	Weight.	Total No.	emarks.
<i>Set of Collarmaker's Tools.</i>					
		£ s. d.	lbs. oz.		
Awls, blades	backing - - - per 100	0 2 9	0 0 $\frac{1}{2}$	6	
	drawing - - - "	0 13 0	0 1 $\frac{1}{2}$	2	
	panel or seat, in two sizes "	0 6 6	0 1 $\frac{1}{2}$	4	
	garnishing ditto - - "	0 3 6	0 1 $\frac{1}{2}$	4	
	harness, five sizes - - "	0 2 6	0 1	18	
	buckling { large - - - "	0 2 9	0 1 $\frac{1}{2}$	3	
	small - - - "	0 5 3	0 0 $\frac{1}{2}$	3	
Bone, hollow	-	0 2 6	0 2	1	
Chisels, cold, carpenter's, 8 in. x $\frac{3}{4}$ in.	-	0 1 0	0 14	1	
Clams, pair	-	0 2 3	2 13	1	
Compasses, with sweeps	-	0 2 6	0 8	1	
Creases	single - - -	0 0 6	1 0 $\frac{3}{4}$	1	
	screw - - -	0 1 1	3 0	1	
Hammers, handled	saddler's - - -	0 1 9	9 0	1	
	rivetting { $1\frac{1}{2}$ -lb. - - -	0 1 6	1 15	1	
	" { $\frac{1}{2}$ " - - -	0 0 10	0 15	1	
Handles for awls, 1d. each	drawing - - -	0 0 4	0 8	4	
	harness - - -	0 0 4	0 6	4	
	seat - - -	0 0 4	0 6	4	
	palm - - -	0 0 8	0 3	1	
Irons	collar { 23-inch - - -	0 1 9	1 0	1	
	" { 29 " - - -	0 2 3	1 7	1	
	" { 34 " - - -	0 2 8	1 10	1	
	seat stuffing, 14-inch - - -	0 1 0	1 4	1	
	pricking, of sorts, 6d. each - - -	0 1 6	0 4 $\frac{1}{2}$	3	
Knives	head - - -	0 0 6	0 1 $\frac{1}{2}$	1	
	collar, half-round - - -	0 1 9	0 4	1	
	hand, straight, or laboratory small - - -	0 0 5	0 3 $\frac{1}{2}$	1	
Lead piece, to punch on - - -	-	0 2 0	8 0	1	
Mallets	boxwood, tanner's - - -	0 0 9	1 6	1	
	collar - - -	0 1 9	3 6	1	
Marline spike - - -	-	0 0 6	0 13	1	
Nail claw - - -	-	0 0 7	0 2 $\frac{1}{2}$	1	
Needles	assorted, saddler's - - -	}	}	100	
	collar - - -	}	}	18	
	harness - - -	}	}	100	
	quilting or darning, 4-inch - - -	}	}	6	
	stitching - - -	}	}	25	
Pincers, saddler's - - -	-	0 2 6	0 14	1	
Pliers, flat-nose, $\frac{1}{2}$ -inch - - -	-	0 1 6	0 5 $\frac{1}{2}$	1	
	middle, No. 20 - - -	0 1 0	0 2 $\frac{1}{2}$	2	
	large or stirrup, No. 22 - - -	0 1 0	0 3	2	
Funches, oval	strap { large, No. 24 - - -	0 0 8	0 2	1	
	" { small, " 23 - - -	0 0 7	0 1 $\frac{3}{4}$	1	
	" { large, " 31 - - -	0 1 4	0 5	1	
	" { small, " 30 - - -	0 1 2	0 4 $\frac{1}{2}$	1	
	" { large, " 28 - - -	0 1 0	0 4 $\frac{1}{2}$	1	
	" { small, " 27 - - -	0 1 8	0 6	2	
Rasps, shoemaker's - - -	-	0 1 9	0 9 $\frac{1}{2}$	1	
Rule, 2-foot, 4-fold - - -	-	0 1 0	0 2	1	
Scissors, 9-inch, tailor's - - -	-	0 1 3	0 10	1	
Screwdrivers, 6-inch - - -	-	0 0 5	0 7 $\frac{1}{2}$	1	
Spoke-shave, collarmaker's - - -	-	0 1 6	0 4 $\frac{1}{2}$	1	
Steel, butcher's - - -	-	0 1 9	0 13	1	
Stone, rag - - -	-	0 0 2	1 9	1	

Equipment of a Harness and Collar Maker—*continued.*

Description.	No. of Drawing.	Cost.			Weight.		Total No.	Remarks.
		£	s.	d.	lbs.	oz.		
Thimbles, tailor's, $\frac{1}{4}$ d. each	-	0	0	0 $\frac{1}{2}$	0	0 $\frac{1}{2}$	2	
Tools, edge, three sizes, 4d. each	-	0	1	0	0	3 $\frac{3}{4}$	3	
Chest, for packing*	-	0	9	0	20	0	1	
Lock, pad, iron, small single	-	0	0	7	0	6	1	

* A later pattern, approved 6/2/63, has a trunk lock.

TOOLS FOR A BRICKLAYER AND MASON.

(Approved 17th May 1862.)

Description.	No. of Drawing.	Cost of each.			Weight of each.		Total No.	Total Cost.			Total Weight.	
		£	s.	d.	lbs.	oz.		£	s.	d.	lbs.	oz.
Chest, with lock - - - -		0	12	0	35	0	1	0	12	0	35	0
Axe, pick, handled - - - -		0	2	3	8	10	1	0	2	3	8	10
Bar, setting - - - - -		0	2	3	6	14	1	0	2	3	6	14
Bevel, wood, blade - - - -		0	2	9½	0	10	1	0	2	9½	0	10
Hammer, mash, handled - - -		0	1	7	4	5	1	0	1	7	4	5
" brick - - - - -		0	2	3	2	8	1	0	2	3	2	8
Axes or chisels - - - - -		0	3	0	5	8	2	0	6	0	11	0
Line, chalk, 20 yards - - - -		0	0	2½	0	1	1	0	0	2½	0	1
Pins, line - - - - - pair		0	0	8	0	4	1	0	0	8	0	4
Level, field service - - - -		0	10	0	3	6	1	0	10	0	3	6
Rule, 2-feet, 4-fold - - - -		0	1	0	0	2½	1	0	1	0	0	2½
Square, iron, figured - - - -		0	2	3	1	5	1	0	2	3	1	5
Shovel, barrack - - - - -		0	2	9	5	3	1	0	2	9	5	3
Trowel, 12-inch, mason's - -		0	1	10	1	1	1	0	1	10	1	1
" 10-inch, bricklayer's - -		0	1	6	0	13	1	0	1	6	0	13
Bob, plumb - - - - -		0	0	4	1	0	1	0	0	4	1	0
Brush, whitewash - - - - -		0	3	2	0	14	1	0	3	2	0	14
" " " " - - - - -		0	2	1	0	9	1	0	2	1	0	9
Chisel, brick, 2 feet long - -		0	1	6	4	9	1	0	1	6	4	9
" 1 foot 6 inches long - - -		0	1	3	3	5	1	0	1	3	3	5
" 1 foot long - - - - -		0	1	0	1	12	1	0	1	0	1	12
Chisel, mason's, 2¼ inch - - -		0	1	3	1	7	1	0	1	3	1	7
" " 2 " - - - - -		0	1	2	1	1	1	0	1	2	1	1
" " 1½ " - - - - -		0	1	1	1	2	1	0	1	1	1	2
" " 1 " - - - - -		0	1	0	1	4	1	0	1	0	1	4
Hammer, mason's - - - - -		0	4	10	7	3	1	0	4	10	7	3
" spalling - - - - -		0	3	2	10	7	1	0	3	2	10	7
Mallet, mason's - - - - -		0	1	0	4	11	1	0	1	0	4	11
Points - - - - -		0	0	1	1	5½	2	0	0	1	2	11
Rule, plumb - - - - -		0	4	2	1	12	1	0	4	2	1	12
Trowel, plasterer's - - - - -		0	2	6	1	2	1	0	2	6	1	2
Six sets of plugs and feathers, 1s. per set -		0	6	0	7	2	6	0	6	0	7	2
Seive, wire, five mesh - - - -		0	2	7	2	15	1	0	2	7	2	15
Bucket, leather, with strap, forming a case for seive - - - - -		0	5	0	2	8	1	0	5	0	2	8
Total - - - - -		-	-	-	-	-	-	2	12	6	138	8½

PROPORTION OF TENTS AND CAMP EQUIPMENT FOR A COMPANY
OF COMMISSARIAT STAFF CORPS FOR FIELD SERVICE.

Articles.	Distribution.	Nc. of Drawing.	Cost of each.	Weight of each.	Total No.	Remarks.
Axes, { felling, 4½ lb. helved { pick - -	Two per company -		£ s. d.	lbs. oz.		
	Two " -		0 4 0	6 0	2	
Blankets, grey, field service.	One per non-commissioned officer and man		0 2 3	8 8	2	
Buckets, leather, water	One for each pack-saddle		0 5 6	3 12	101	
Colours, camp, with poles, &c. - -	One per company, and		0 7 3	3 0	—	
Files, for cross-cut saw	Two for guards - } One per company, when required - -		- - -	- - -	3	
Hatchets, hand, 1½ lb.	Two for every 15 non-commissioned officers and men - -		- - -	- - -	1	
Hooks, bill - -	One for every 15 non-commissioned officers and men - -		0 2 3	2 0	14	
Kettles, camp, light, or Torrens's.	One for every 5 non-commissioned officers and men - -		0 2 0	1 12	7	
Lanterns - - -	- - - - -		0 2 6	3 4	26	
Mallets, tent, spare	Five per cent. on tents supplied - - -		0 2 0	2 4	2	
Marquees, complete	As required for stores -		0 0 6	2 0	—	
Pins, tent, spare sets	- - - - -		28 0 0	500 0	—	
Poles, tent, circular, spare sets - -	Five per cent. on tents supplied - per 100		0 2 6	22 0	—	
Saddles, pack, with straps and bridles, waterproof covers, horse blankets, surcingles, pads, stable necessities, and picketing implements - -	One per company, and as required for stores }		4 3 1	47 3	—	
Saws, cross-cut, 6½ feet	One per company, to be issued when required upon special requisition - - -		0 7 6	9 1	1	
Shovels, T handles - -	- - - - -		0 2 7	4 12	2	
Spades, " - - -	- - - - -		0 2 7	6 0	2	
Stones, whet or rag - -	- - - - -		0 0 2	1 0	1	
Tents, circular, complete, with poles, pins, mallets, pin bags, and valises -	Two for each field officer - - } One for each other officer - - } Two for staff-serjeants - - } One for every 15 non-commissioned officers and men - } And as required for stores - - }		3 15 0	74 0	—	

Canteens and haversacks are supplied upon demands made through the Adjutant-General.

The pack-saddles and sets of horse equipment supplied at the rate of one per company, to be a free issue in the first instance, but are to be maintained by the officers commanding companies.

GENERAL REMARKS.

1. Staff Officers and others of the Military and Civil Departments will draw their camp equipage through the Quartermaster-General, and according to the scale.
2. Every requisition must be accompanied by the following statement of the strength of the corps or detachment for which the camp equipage is demanded.

Infantry, Siege Artillery, &c.

Number of companies -	-	-	-	-		
Field officers -	-	-	-	-		
Officers -	-	-	-	-		
Staff-serjeants -	-	-	-	-		
Non-commissioned officers, rank and file	-	-	-	-		
Officers' chargers -	-	-	-	-		
Public bāt animals -	-	-	-	-		
Private bāt animals -	-	-	-	-		

3. When any articles of camp equipment become unserviceable, or require to be replaced, a Board of Survey other than regimental must be assembled, consisting of three officers, one of whom must not be below the rank of Captain as President, an Officer of the Military Store Department being, when practicable, one of the members. Any articles lost, otherwise than by unavoidable accident, or damaged beyond what may be considered as the effects of fair wear and tear, are to be charged against the troops.
4. All articles of camp equipment may, upon service in the field, be *purchased* by officers, with the sanction of the General Commanding, provided the state of the store admits of the sale.
5. Horse blankets, nose bags, picketing implements, &c., will be supplied, *free of charge*, for all horses, *the property of the public*, howsoever employed.
6. No horse equipment of any description will be supplied for chargers or bāt animals *not the property of the public, except upon payment*.
7. Blankets, canteens, haversacks, &c., are not to be supplied to officers except upon payment.

COMMISSARIAT EQUIPMENT WITH AN ARMY IN THE FIELD.

The number of officers, non-commissioned officers, and privates required to accompany a corps d'armée in the field must be calculated so as to allow of the possible subdivision of the force into two corps d'armée, or for the detachment of brigades and regiments. The following estimate is based upon the experience of the Peninsular War, and is calculated to be the proper complement of the Commissariat department to supply an army in the field consisting of—

10,000 infantry.
 1,800 cavalry.
 2,500 artillery.
 600 engineers.
 600 men and 400 horses of the military train.

	Commissary-General.	Deputy-Commissary-General.	Assistant-Commissary-General.	Deputy-Assistant or Acting Deputy-Assistant Commissary-General.	Staff Sergeants, or Clerks and Storekeepers.	Commissariat Staff Corps, & Companies.	Total.
Head Quarters	1	1	3	6	} 50	300	—
Depôt	—	—	1	4			
Base of operations	—	1	1	4			
Brigade of Cavalry	—	—	1	4			
1st Division of Infantry	—	—	1	3			
2nd do. do.	—	—	1	3			
Reserve Artillery, Royal Engineers, &c.	—	—	—	3			
Commissariat Staff Corps	—	—	1	4			
Total	1	2	9	31	50	300	393
Civil Servants	6	8	27	63	—	—	103
Private property { Chargers	4	6	18	31	—	—	59
{ B&t animals	4	6	18	31	—	—	—
Public horses for brigade storekeepers	—	—	—	—	12	—	12

LIST OF MISCELLANEOUS STORES, IMPLEMENTS, &c., REQUIRED BY THE COMMISSARIAT WHEN TAKING THE FIELD, WITH A FORCE CONSISTING OF 2,000 CAVALRY, 8 BATTERIES OF ARTILLERY, 3 COMPANIES OF ENGINEERS, AND 10,000 INFANTRY.

TO BE IN THE CHARGE OF THE COMMISSARIAT DEPARTMENT.

Description.	No. of Drawing.	Cost of each.	Weight of each.	Total No.	Total Cost.	Total Weight.	Remarks.
		£ s. d.	lbs. oz.		£ s. d.	lbs. oz.	
Anvils, large, for standing smithy	-	4 15 0	392 0	1	4 15 0	392 0	
Axes { felling, Canada pattern, handled	-	0 3 10½	5 10	25	4 6 10½	135 10	
{ pick, ordinary	-	0 2 3	6 8	20	2 5 0	130 0	
Bags, nose, cavalry, horse feeding	-	0 1 10	1 1	12	1 2 0	12 12	
{ hand	-	0 6 6	16 8	10	3 5 0	165 0	
Barrows { wheel, with wrought-iron	-	0 15 3	60 0	20	15 5 0	320 0	
{ wheels	-	0 3 6	22 4	10	1 15 0	222 8	
Bars, iron, crow	-	0 2 9	5 8	50	1 17 6	275 0	
Baskets, bushel	-	2 1 6	53 0	12	24 18 0	636 0	
Beams, scale, iron, large (10 cwt.)	-	-	-	1	-	-	
Bellows, large, for standing smithy	-	-	-	10	-	-	
Borers, sugar	-	-	-	10	-	-	
Boards, scale, large (10 cwt.)	-	1 4 0	97 0	12	14 8 0	1,164 0	
Breakers { 5 gallons	-	0 1 3	14 0	25	1 11 3	350 0	
{ 10	-	0 4 0	19 14	25	5 0 0	475 0	
Bridles, leather, double, with bits and Darrel's field service head stall	-	-	-	12	-	-	Included in pack saddle.
Brooms, bass	-	0 1 4½	5 2	50	3 8 9	156 4	
Brushes { marking	-	0 0 1½	0 0½	50	0 6 3	0 12½	
{ hand	-	0 1 7½	0 10½	12	0 16 0	7 14	
{ sweeping	-	0 2 5	1 4	18	2 2 8	22 8	
Buckets { stable, water	-	0 1 9	9 4	18	1 0 10	166 8	
{ zinc,	-	0 2 9	6 8	18	1 18 10	117 0	
Chains, scale, large (10 cwt.)	sets	0 17 6	43 0	12	11 0 0	516 0	
Chalk	lbs.	0 0 6	1 0	20	0 10 0	20 0	
Chisels { steel, cold, 7-inch	-	0 1 1	0 7	25	1 7 1	10 15	
{ warehouse, unpacking	-	0 1 3	2 1	25	1 11 3	51 9	
Chondrometers	-	2 0 0	3 8	1	2 0 0	3 8	
Cranes, iron, small	-	90 0 0	-	2	180 0 0	-	
Funnel { copper, of sizes (set of 8, viz., 10", 9", 8", 7", 6", 5", 4", 3")	-	2 12	{ 10", 2 3½ 7½", 1 7 5½", 0 9	25	-	-	
{ tin, of sizes (set of 12)	-	0 3 3	1 2	25	4 1 3	28 2	
Glue	lbs.	0 0 6	1 0	25	0 12 6	25 0	
Hammers { claw, large	-	0 2 9	1 12	20	2 15 0	35 0	
{ smith, striking, hand	-	0 1 6	3 14	2	0 3 0	7 12	
{ small, rivetting	-	0 1 4	0 12	20	1 6 8	15 0	
Hatchets	-	0 2 0	3 13	20	2 0 0	76 4	
{ strap, 12-inch	-	0 1 2	3 13	40	2 6 8	152 8	
{ " 16 "	-	0 1 3	7 13	40	2 10 0	312 8	
Hinges { butt, wrought-iron, of { 3" { sizes { 3¼" { 5¼"	-	0 0 3½	0 13	60	1 17 3	{ 16 4 18 12 65 0	
{ can, with chain	-	-	18 4	-	-	-	
{ slings, per sets	-	0 4 6	-	20	-	-	
{ block, with thimbles of sizes	-	-	-	40	-	-	
Hydrometers, Sykes'	-	3 10 0	0 14	4	15 4 0	3 8	
Helves { for axes, felling, Canada	-	0 0 9	1 7	50	1 17 6	71 14	
{ pattern	-	0 0 10½	1 11	40	1 15 0	75 0	
{ for axes, pick	-	0 1 0	0 7	60	1 0 0	7 7	
Hasps, of sizes, with staples { large	-	0 0 6	0 5½	60	0 10 0	6 14	
{ medium	-	0 0 4	0 4	60	0 6 8	5 0	
{ small	-	-	-	6	-	-	
{ snatch, iron, with gun-metal sheaves, 8-inch, double	-	-	-	6	-	-	
{ snatch, iron, 8-inch single	-	-	-	6	-	-	
{ wood, with metal sheaves, double, 10-inch	-	0 12 8	9 8	10	6 6 8	95 0	
{ wood, with metal sheaves, single, 10-inch	-	0 10 4	6 8	10	5 3 4	65 0	
Ink, warehouse, marking	quarts	-	-	100	-	-	
Irons, { alphabet, 1½-inch	sets	3 15 0	3 0	10	37 10 0	30 0	
branding { numerals	-	1 8 6	3 0	10	14 5 0	30 0	
Kettles, iron, ordinary, with handle to double down, large and small	-	0 3 1	2 12	20	1 10 10	47 2	
{ of each	-	0 4 10½	3 14	20	2 8 9	78 8	
Lamps, signal	-	2 5 0	10 0	10	22 10 0	100 0	
Lanterns, dark, hand	-	0 1 6	1 8	25	1 17 6	37 8	

List of Miscellaneous Stores, Implements, &c.—continued.

Description.		No. of Drawing.	Cost of each.	Weight of each.	Total No.	Total Cost.	Total Weight.	Remarks.					
			£ s. d.	lbs. oz.		£ s. d.	lbs. oz.						
Latches, iron, door, of sizes, {	large -		0 2 0	2 15	50	{ 2 10 0	73 7						
	with keepers - - - {	small -	0 1 0	1 2						{ 1 5 0	27 8		
Leather, pump	- - - - -		- - -	- - -	10	- - -	- - -						
Locks and keys	door, ordinary {		0 10 0	iron rim	20	-	-	-					
	brass knob			12 0									
	padlock, of sizes {			large -					0 1 4	1 15	10	0 13 4	19 6
	medium -			0 1 0					1 1	20	1 0 0	21 4	
	small -			0 0 7					0 6	20	0 11 8	10 0	
	box of sizes		- - -	- - -	40	- - -	- - -						
Machines	weighing (Savage's patent), small counter (Avery and Son's), lever, patent, large, to weigh 1 ton		0 10 6	26 12	20	10 10 0	537 0						
	coffee (Savage's patent), grinding -		14 0 0	- - -	12	168 0 0	- - -						
	coffee (Savage's patent), roasting -		16 8 0	- - -	12	196 16 0	- - -						
			23 0 0	- - -	12	276 0 0	- - -						
Marline, white and tarred, hanks, each			- - -	- - -	100	- - -	- - -						
Measures	liquid, {	24	3	-	20	-	483 12						
	4 gallons, each												
	copper, {								2	0 13 4			
	sets	1	0 7 4	1	0 5 4								
	dry, wooden - - - per set		2 2 0	- - -	12	25 4 0	- - -						
Mills	coffee, hand - - - -		0 3 0	7 4	10	1 10 0	72 8						
	corn, crushing - - - -		- - -	- - -	10	- - -	- - -						
	pepper - - - - -		0 3 2	15 8	10	1 11 8	7 12						
Nails, assorted, spike and chisel-pointed	- - - - - lbs.		- - -	- - -	224	- - -	- - -	According to size.					
Needles	warehouse, packing		0 0 1	0 0½	200	0 16 8	9 6						
	sailmakers' sewing, per 100		0 2 6	0 0½	200	0 5 0	3 2						
	roping - - - - -		0 6 6	0 0½	200	0 13 0	3 2						
Palines	- - - - -		0 0 7	0 4	24	0 14 0	6 0						
Pincers, carpenters', iron -	large -		0 2 0	1 13	10	1 0 0	18 2						
	medium -		0 1 6	1 2	10	0 15 0	11 4						
Pumps, spirit, copper -			3 0 0	12 10	12	36 0 0	151 8						
Rivets, cooper's, iron, large and small			- - -	- - -	1,000	- - -	- - -						
Rods, gauging - - - - -			0 5 0	0 9	2	0 10 0	1 2						
Rope	Europe, 3½ inch, coils -		- - -	- - -	{ 12	- - -	- - -						
	" 2½ " " " -		- - -	- - -	{ 12	- - -	- - -						
	" 1½ " " " -		- - -	- - -	{ 12	- - -	- - -						
Sacks, corn			0 3 0	1 13	1,000	150 0 0	1,812 8						
Saddles, hunting (Peat's cape pattern), plain, fitted with D's, with girths, stirrup leather, irons, complete			6 6 0	14 0	12	75 12 0	168 0						
Saws, cross-cut, with handles, {	4 ft.		0 4 2	8 0	5	1 0 10	2 8						
	4 and 5 feet - - - - - {	5	0 7 8	10 0	5	1 18 4	3 2						
	copper - - - - -		0 10 0	1 8	25	12 10 0	37 8						
Scoops	tin - - - - -		0 2 6	0 11	15	1 17 6	10 5						
	large - - - - -		0 0 6	0 5½	10	0 5 0	3 7						
Screws, iron, wood, flat-headed, of sizes - - - - - per gross			0 2 0	3 4	1,000	- - -	- - -						
			0 3 6	3 4	12	2 2 0	39 0						
Sieves, brass, wire {	fine, 18-inch		0 3 6	3 8	12	2 2 0	42 0						
	coarse - - - - -		0 2 0½	5 2½	50	5 2 1	257 13						
Shovels	iron, trenching - - -		0 4 6	4 4	25	5 12 6	106 4						
Sledges, smith, for standing smithy, with helves, complete			0 4 6	15 8	2	0 9 0	31 1						
Spades, iron			0 2 1½	6 0	50	5 5 0	300 0						
Steelyards	large size {		1 3 9	150 lbs. each	10 4	6	7 2 6	61 8					
	108 " "			7 0					6	3 3 0	42 0		
	56 " "			4 8					6	2 2 0	27 3		
	middling and small -		- - -	- - -	36	- - -	- - -						
Stencil plates, {	alphabet, 2½ in., sets		1 5 0	- - -	10	12 10 0	- - -						
	copper {	numerals, " "	0 10 0	- - -	10	5 0 0	- - -						
Spikes	hand, wooden - - - -		- - -	- - -	25	- - -	- - -						
	marline, iron - - - -		- - -	- - -	12	- - -	- - -						
Straps, cloak, saddle			- - -	- - -	36	- - -	- - -						
Taps, metal {	large		0 10 6	4 2	18	9 9 0	74 4						
	medium and small		0 3 6	0 14	36	6 6 0	31 8						
Tapes, measuring {	60 feet - - - - -		0 10 0	1 0	6	3 0 0	6 0						
	100 " " " " - - - -		0 10 0	1 2	6	3 0 0	6 12						
	25 feet by 20 feet		5 17 0	78 0	50	292 10 0	3,900 0						
Tarpaulines	12 " " " " - - - -		1 7 6	37 0	200	275 0 0	7,400 0						
Thimbles, rope, large and small, the large to iron, and the small brass - - - - - of each			- - -	- - -	300	- - -	- - -						

Magazine Implements—continued.

According to size.

List of Miscellaneous Stores, Implements, &c.—*continued.*

Description.		No. of Drawing.	Cost of each.	Weight of each.	Total No.	Total Cost.	Total Weight.	Remarks.
			£ s. d.	lbs. oz.		£ s. d.	lbs. oz.	
Magazine Implements— <i>continued.</i>	Tomahawks		0 2 6	3 0	25	3 2 6	75 0	
	Triangles, iron		1 2 6	105 0	12	13 10 0	1,260 0	
	Trucks, warehouse		0 1 0	41 8	20	21 0 0	1,230 0	
	Twine { packing lbs.		0 1 0	1 0	112	5 12 0	112 0	
	sailmakers', sewing		0 0 10	1 0	112	4 13 4	112 0	
	roping		1 4 0½	1 0	112	7 14 0	112 0	
	"		- - -	1 0	112	- - -	112 0	
	Wallets, holster, brown leather		2 4 0	4 0	12	26 8 0	48 0	
	Wedges, iron, for splitting wood, 9"		0 1 2	5 10	50	2 18 6	281 4	
	Weights { dead, iron, ½ lb.		0 0 3	0 4	12	0 3 0	3 0	
	"		0 0 3	0 8	12	0 3 0	6 0	
	"		0 0 4	1 0	12	0 4 0	12 0	
	"		0 0 6	2 0	12	0 6 0	24 0	
	"		0 0 8	4 0	12	0 8 0	48 0	
	"		0 1 0	7 0	12	0 12 0	84 0	
"		0 1 7	14 0	12	0 19 0	168 0		
"		0 2 3	23 0	12	1 7 0	336 0		
"		0 4 6	5 6	20	4 10 0	1,120 0		
Office furniture	bags, money		0 0 1	0 1	500	2 1 8	31 4	
	boxes { despatch		- - -	- - -	6	- - -	- - -	
	tin, for papers, large and small		- - -	- - -	20	- - -	- - -	
	"		- - -	- - -	30	- - -	- - -	
	chairs, camp		- - -	- - -	- - -	- - -	- - -	
	chests, wrought iron { large (Tan and Son's)		78 0 0	784 0	1	78 0 0	784 0	
	patent		11 10 0	112 0	4	46 0 0	448 0	
	"		4 10 0	40 0	10	45 0 0	400 0	
	pigeon holes, portable sets		- - -	- - -	- - -	- - -	- - -	
	"		- - -	- - -	- - -	- - -	- - -	
Scales, complete		9 18 0	6 0	1	9 18 0	6 0		
money { small, with weights		0 15 0	4 0	2	1 10 0	8 0		
"		0 8 9	5 2	30	5 12 6	155 12		
"		0 12 0	28 0	25	15 0 0	700 0		
Bakers' implements	baskets, flour, lined with tin		- - -	- - -	15	- - -	- - -	
	boards, bread		- - -	- - -	50	- - -	- - -	
	boilers, Boyer's, 8 gallons		- - -	- - -	12	- - -	- - -	
	Bowls, zinc, with handles		0 1 6	2 8	24	1 16 0	36 0	
	Brushes { hand		- - -	- - -	20	- - -	- - -	
	sweeping		- - -	- - -	15	- - -	- - -	
	Carts, water		18 16 0	594 0	6	112 16 0	3,058 0	
	Fire, irons, sets		0 4 9	8 8	10	2 7 6	85 0	
	Knives, dough		- - -	- - -	50	- - -	- - -	
	Lamps, oven		- - -	- - -	40	- - -	- - -	
	Machines, kneading, Stephens, 5 sacks, with 3 spare zinc troughs to each		- - -	- - -	2	- - -	- - -	
	Ovens, field, complete, with tins, Aldershot pattern		- - -	- - -	30	- - -	- - -	
	Ovens, field, complete, with tins, Curragh pattern		- - -	- - -	30	- - -	- - -	
	Peels { drawing		- - -	- - -	40	- - -	- - -	
	setting		- - -	- - -	40	- - -	- - -	
	Rakes, iron, with handles		- - -	- - -	20	- - -	- - -	
	Scales, dough, with weights, sets		- - -	- - -	20	- - -	- - -	
	Scoops, tin, large and small, of each		0 2 6	0 11	6	0 15 0	4 2	
	"		0 1 3	0 5½	6	0 7 6	2 1	
	Scrapers, dough		- - -	- - -	50	- - -	- - -	
	Sieves { hair, 16 inch diameter		- - -	- - -	20	- - -	- - -	
	"		- - -	- - -	- - -	- - -	- - -	
	wire, copper, fine, 16 inch diameter		0 4 0	5 0	18	3 12 0	60 0	
	Smashers, potato		- - -	- - -	6	- - -	- - -	
	Strainers, tin, potato		- - -	- - -	11	- - -	- - -	
Thermometers, bakers'		- - -	- - -	6	- - -	- - -		
Tables, deal, small		- - -	- - -	25	- - -	- - -		
Troughs, dough, field service, with covers		- - -	- - -	20	- - -	- - -		
Tubs { ferment (in nests of 10 each)		- - -	- - -	40	- - -	- - -		
"		- - -	- - -	20	- - -	- - -		
yeast		- - -	- - -	40	- - -	- - -		
water		- - -	- - -	40	- - -	- - -		

For working by hand or by steam or horse power and therefore to be fitted with drums and gear.

See page 25.

List of Miscellaneous Stores, Implements, &c.—*continued.*

Description.	No. of Drawing.	Cost of each.		Weight of each.		Total No.	Total Cost.		Total Weight.		Remarks.	
		£	s.	d.	lbs.		oz.	£	s.	d.		lbs.
Axes, pole	-	-	-	-	-	6	-	-	-	-	-	
Beams, iron, scale, 5 cwt., one end fitted with hooks for hooking quarters of beef	-	1	15	0	37	0	6	10	10	0	222	0
Boards, scale	-	0	9	6	71	0	12	5	14	0	852	0
Canes, pithing	-	0	0	8	0	2	10	0	6	8	2	4
Cloths, wiping	-	0	0	8	0	2	200	0	13	4	25	0
Corses	-	-	-	-	-	6	-	-	-	-	-	-
Choppers	-	0	1	10	2	6	10	0	18	4	23	12
Grindstones, large, with trough and spindle	-	1	3	6	81	0	6	7	1	0	486	0
Gambles { iron	-	-	-	-	-	40	-	-	-	-	-	-
Gambles { wood	-	-	-	-	-	10	-	-	-	-	-	-
Irons, breast	-	0	2	0	1	9	10	1	0	0	15	10
Hooks { large	-	-	-	-	-	50	-	-	-	-	-	-
Hooks { small	-	-	-	-	-	50	-	-	-	-	-	-
Carts, water	-	18	16	0	59	4	4	75	4	0	2,376	0
Chains, scale sets	-	0	13	6	37	12	6	4	1	0	226	8
Gallows { hanging	-	-	-	-	-	2	-	-	-	-	-	-
Gallows { killing	-	-	-	-	-	2	-	-	-	-	-	-
Gallows { meat, large	-	-	-	-	-	6	-	-	-	-	-	-
Knives { cutting	-	-	-	-	-	60	-	-	-	-	-	-
Knives { jointing	-	-	-	-	-	60	-	-	-	-	-	-
Knives { siding	-	-	-	-	-	60	-	-	-	-	-	-
Pouches, butcher's, with waist straps	-	-	-	-	-	60	-	-	-	-	-	-
Pritchets	-	-	-	-	-	10	-	-	-	-	-	-
Pails, water, zinc	-	0	2	9	9	6	10	1	6	8	93	12
Ropes, head, with ring	-	0	4	6	4	8	30	6	15	0	135	0
Saws, meat { large	-	0	2	6	2	13	10	1	5	0	27	7
Saws, meat { small	-	0	2	0	1	4	10	1	0	0	13	4
Skewers, wood	-	-	-	-	-	5,000	-	-	-	-	-	-
Spreaders	-	-	-	-	-	10	-	-	-	-	-	-
Steels, butchers', sharpening	-	-	-	-	-	60	-	-	-	-	-	-
Machines, weighing (Avery and Sons' patent lever), counter to weights, 56 lbs.	-	1	5	0	35	0	6	7	10	0	210	0
Weights, iron, dead { ½ "	-	0	0	3	0	4	6	0	1	6	1	8
Weights, iron, dead { ¾ "	-	0	0	3	0	8	6	0	1	6	3	0
Weights, iron, dead { 1 "	-	0	0	4	1	0	6	0	2	0	6	0
Weights, iron, dead { 2 "	-	0	0	6	2	0	6	0	3	0	12	0
Weights, iron, dead { 4 "	-	0	0	8	4	0	6	0	4	0	24	0
Weights, iron, dead { 7 "	-	0	1	0	7	0	6	0	6	0	42	0
Weights, iron, dead { 14 "	-	0	1	7	14	0	6	0	9	6	64	0
Weights, iron, dead { 28 "	-	0	2	3	28	0	6	0	13	6	168	0
Weights, iron, dead { 56 "	-	0	4	6	56	0	12	2	14	0	672	0
Tools and implements:—Carpenters' General Army and Engineer Field Service, packed in chests, complete, per W.O. Circular 612	-	-	-	-	-	12	-	-	-	-	-	-
Tools and implements:—Coopers' General Army and Engineer Field Service, packed in chests, complete, per W.O. Circular, No. 612	-	-	-	-	-	6	-	-	-	-	-	-
Tools and implements:—Bricklayer and Masons' General Army and Engineer Field Service, packed in chests, complete, per W.O. Circular, 782	-	-	-	-	-	6	-	-	-	-	-	-
Tools and implements:—Smiths', jobbing, General Army and Engineer Field Service, packed in chests, complete, per W.O. Circular, No. 787	-	-	-	-	-	6	-	-	-	-	-	-
Forges:—Field service carts, Maltese pattern, with bellows, anvil, &c. complete	-	35	0	0	1,353	0	6	210	0	0	8,118	0

See page 26.

See page 27.

See page 32.

See page 33.

See page 30.

LIST OF ADDITIONAL MISCELLANEOUS STORES, IMPLEMENTS, &c. REQUIRED BY THE COMMISSARIAT WHEN TAKING THE FIELD, WITH A FORCE CONSISTING OF 2,000 CAVALRY, 8 BATTERIES OF ARTILLERY, 3 COMPANIES OF ENGINEERS, AND 10,000 INFANTRY.

TO BE LEFT IN CHARGE OF THE MILITARY STORE DEPARTMENT AT THE BASE OF OPERATIONS.

Description.	No. of Drawing.	Cost of each.		Weight of each.		Total No.	Total Cost.		Total Weight.		Remarks.	
		£	s.	d.	lbs.		oz.	£	s.	d.		lbs.
Anvils, large, for standing smithy	-	4	15	0	392	0	2	9	10	0	784	0
Axes { felling, Canada pattern	-	0	3	10½	5	10	75	14	10	7½	389	14
{ pick, ordinary, 6½ lbs.	-	0	2	3	6	8	20	2	5	0	130	0
Bags, nose, cavalry, horse feeding	-	0	1	10	1	1	12	1	2	0	12	12
{ hand -	-	0	6	6	16	8	20	8	0	0	330	0
Barrows { wheel, with wrought-iron	-	0	15	3	60	0	40	30	10	0	2,400	0
{ wheels -	-	0	3	6	23	4	10	1	15	0	232	8
Bars, iron, crow	-	0	2	9	5	8	50	6	17	6	275	0
Baskets, bushel	-	2	1	6	53	0	12	24	18	0	636	0
Beams, scale, iron, large (10 cwt.)	-	-	-	-	-	-	10	-	-	-	-	-
Bellows, large, for standing smithy	-	-	-	-	-	-	10	-	-	-	-	-
Borers, sugar	-	1	4	0	97	0	12	14	8	0	1,164	0
Boards, scale, large (10 cwt.)	-	1	3	0	14	0	75	86	5	0	1,050	0
Breakers { 5 gallons	-	0	4	0	19	14	75	15	0	0	1,490	10
{ 10 "	-	-	-	-	-	-	2	-	-	-	-	-
Bridles, leather, double, with bits and Darrel's field service, head stall	-	-	-	-	-	-	12	-	-	-	-	-
Brooms, bass	-	0	1	4½	3	2	150	10	6	3	468	12
Brushes { marking	-	0	0	1½	0	0½	100	0	12	6	1	9
{ hand -	-	0	1	7½	0	10½	24	1	19	0	14	8
{ sweeping -	-	0	2	5	1	4	36	4	7	0	45	0
Buckets { stable, water	-	0	1	9	9	4	36	3	3	10	333	0
{ zinc -	-	0	2	9	6	8	36	4	19	10	234	0
Chains, scale, large (10 cwt.)	-	0	17	6	43	0	12	10	10	0	516	0
Chalk	-	0	0	6	1	0	112	2	16	0	112	0
Chisels { steel, cold, 7-inch	-	0	1	1	0	7	25	1	7	1	10	15
{ warehouse, unpacking	-	0	1	3	2	1	25	1	11	3	51	9
Chondrometers	-	2	0	0	3	8	2	4	0	0	7	0
Cranes, iron, small	-	-	-	-	-	-	2	-	-	-	-	-
Funnels { copper of sizes, viz, { 10' } { 10', 9', 8', 7', 6', 7½' } { 5', 4', 3', per set of 8 { 5½' } tin, of sizes, 1 pint, ½ pint, 1 gill, ½ gill, per set of 12	-	2	12	0	2	3½	25	-	-	-	-	-
{ 1 gill, ½ gill, per set of 12	-	0	3	3	1	2	25	-	-	-	28	2
Glue	-	0	0	6	1	0	50	1	5	0	50	0
Hammers { claw, large	-	0	2	9	1	12	40	5	10	0	70	0
{ smith, striking hand	-	0	1	6	3	14	4	0	6	0	15	8
{ small, rivetting	-	0	1	4	0	12	40	2	13	4	30	0
Hatchets, hand carpenters	-	0	2	0	3	13	40	4	0	0	152	8
Hinges { strap { 12' } { 16' } butt, wrought iron, of { 3' } sizes - { 3½' } { 5½' }	-	0	1	2	3	13	60	3	10	0	222	8
{ 3' } { 3½' } { 5½' }	-	0	0	3½	0	13	120	-	-	-	-	-
{ 3½' } { 5½' }	-	0	0	4	0	15	120	-	-	-	-	-
{ 5½' }	-	0	0	7	3	4	120	-	-	-	-	-
Hooks { caw, with chain	-	0	4	6	18	4	40	9	0	0	-	-
{ slings -	-	-	-	-	-	-	100	-	-	-	-	-
{ block, of sizes, with thimbles	-	3	10	0	0	14	4	15	4	0	3	8
Hydrometers, Sykes'	-	0	0	9	1	7	150	5	12	6	215	10
Helves, { felling, Canada pattern	-	0	0	10½	1	14	80	3	10	0	150	0
{ for axes pick	-	0	1	0	0	7	120	-	-	-	-	-
Hasps of sizes, with staples { large	-	0	0	6	0	5½	120	-	-	-	-	-
{ middle	-	0	0	6	0	5½	120	-	-	-	-	-
{ small	-	0	0	4	0	4	120	-	-	-	-	-
Blocks { snatch, { with gun metal	-	-	-	-	-	-	6	-	-	-	-	-
{ iron, { sheaves, 8' double	-	-	-	-	-	-	6	-	-	-	-	-
{ iron, { sheaves, 8' single	-	-	-	-	-	-	6	-	-	-	-	-
{ wood { with gun metal	-	0	12	8	9	8	20	12	13	4	190	0
{ wood { sheaves, 10' double	-	0	10	4	6	8	20	10	6	8	130	0
{ wood { with gun metal	-	-	-	-	-	-	200	-	-	-	-	-
{ wood { sheaves, 10' single	-	3	15	0	3	0	10	37	10	0	30	0
{ wood { with gun metal	-	1	8	6	3	0	10	14	5	0	30	0
{ wood { sheaves, 10' single	-	0	3	1	2	12	20	-	-	-	-	-
{ wood { sheaves, 10' double	-	0	4	10½	3	14	20	-	-	-	-	-
Ink, warehouse, marking	-	-	-	-	-	-	200	-	-	-	-	-
Irons, branding { alphabet, 1½' sets	-	3	15	0	3	0	10	37	10	0	30	0
{ numerals, " "	-	1	8	6	3	0	10	14	5	0	30	0
Kettles, iron ordinary, with handle to double down, large and small	-	0	3	1	2	12	20	-	-	-	-	-
{ of each	-	0	4	10½	3	14	20	-	-	-	-	-
Lamps, signal	-	2	5	0	10	0	10	-	-	-	-	-
Lanterns, dark, hand	-	0	1	6	1	8	25	1	17	6	37	8

Magazine Implements.

List of additional Miscellaneous Stores, Implements, &c.—continued.

Description.	No. of Drawing.	Cost of each.		Weight of each.		Total No.	Total Cost.		Total Weight.		Remarks.	
		£	s. d.	lbs.	oz.		£	s. d.	lbs.	oz.		
Latches, iron, door, of sizes, { large -		0	2	0	2	15	} 50	—	—			
with keepers - { small -		0	1	0	1	2		—	—			
Leather, pump - - - - - hides		-	-	-	-	-	20	—	—			
door, ordi- { iron rim, 3-bolt }		0	10	0	12	0	20	—	—			
nary { brass knob, 10 h. }		0	1	4	1	15	} 60	—	—			
Locks and Keys { padlock, of sizes { large -		0	1	0	1	1		—	—			
{ middle -		0	0	7	0	6		—	—			
{ small -		-	-	-	-	-	60	—	—			
box, of sizes - - - - -		-	-	-	-	-	60	—	—			
Ma- chine { (Savages' patent), small counters		0	10	6	26	12	20	10	10	0	537	0
weigh- { (Avery and Sons' lever patent), large, to weigh one ton -		14	0	0	-	-	12	168	0	0	—	
coffee { (Savages' patent), grinding -		16	8	0	-	-	12	196	16	0	—	
{ (Savages' patent), roasting -		23	0	0	-	-	12	276	0	0	—	
Marline, white and tarred, hanks each		-	-	-	-	-	200	—	—	—		
Measures { liquor, { 2 gals., sets, each		1	0	0	-	-	-	-	-	-	-	-
{ copper { 1 " " " "		0	13	4	} 24	3	30	-	-	-	727	6
{ " " " "		0	7	4								
{ " " " "		0	5	4								
{ dry, wooden, sets per set		0	2	2	-	-	12	25	4	0	—	
Mills { coffee, hand - - - - -		0	3	0	7	4	20	3	0	0	145	0
{ corn crushing - - - - -		-	-	-	-	-	20	—	—	—	—	
{ pepper - - - - -		0	3	2	15	8	20	3	3	4	310	0
Nails, assorted, spike and chisel pointed		-	-	-	-	-	560	—	—	—		
Needles { warehouse, packing		0	0	1	0	0 $\frac{3}{4}$	300	1	5	0	14	1
{ sail- { sewing per 100		0	2	6	0	0 $\frac{3}{4}$	300	0	15	0	4	11
{ makers' { roping " "		0	6	6	0	0 $\frac{3}{4}$	300	0	19	6	4	11
Palines, sailmakers' - - - - -		0	0	7	0	4	24	0	14	0	6	0
Pincers, carpenters', iron { large -		0	2	0	1	13	} 40	—	—	—		
{ medium -		0	1	6	1	2		—	—	—	—	
Pumps, spirit, copper - - - - -		3	0	0	12	10	12	36	0	0	151	8
Rivets, cooper, iron, large and small		-	-	-	-	-	5,000	—	—	—		
Rods, gauging - - - - -		0	5	0	0	9	2	0	10	0	1	2
Rope { Europe, 3 $\frac{1}{2}$ -inch white, coils		-	-	-	-	-	18	—	—	—	—	
{ " " " " " "		-	-	-	-	-	18	—	—	—	—	
Rope, Europe, 1 $\frac{1}{2}$ -inch coils - - -		-	-	-	-	-	18	—	—	—	—	
Sacks, corn - - - - -		0	3	0	1	13	2,000	300	0	0	3,625	0
Saddles, hunting (Peat's cape pattern), plain, fitted with D's, with girths, stirrup leather, irons, complete - - - - -		6	6	0	14	0	12	75	12	0	168	0
Saws, cross cut, with { 4 feet -		0	4	2	8	0	5	1	0	10	2	8
handles 4 and 5 feet { 5 " " -		0	7	8	10	0	5	1	18	4	3	2
Scoops { copper - - - - -		0	10	0	1	8	50	25	0	0	75	0
{ tin { large - - - - -		0	2	6	0	11	25	3	2	6	17	3
{ small - - - - -		0	0	6	0	5 $\frac{1}{2}$	25	0	12	6	8	5 $\frac{1}{2}$
Screws, ironwood, flat-headed, of sizes - - - - - per gross		0	2	0	3	4	5,000	—	—	—		
Sieves, brass wire { fine, 18-inch -		0	3	6	3	4	24	4	4	0	78	0
{ coarse " - - - - -		0	3	6	3	8	24	4	4	0	84	0
Shovels { iron, trenching - - - - -		0	2	0 $\frac{1}{2}$	5	2 $\frac{1}{2}$	100	10	4	2	515	10
{ wood, for grain - - - - -		0	4	6	4	4	25	5	12	6	106	4
Sledges, smith's, for standing smithy, with helves complete - - - - -		0	4	6	15	8	4	0	18	0	62	2
Spades, iron - - - - -		0	2	1 $\frac{1}{2}$	6	0	100	10	10	10	600	0
Steelyards { large sizes { each 150 lbs.		1	3	9	10	4	12	14	5	0	123	0
{ " " " " " " 108 lbs.		0	10	6	7	0	12	6	6	0	84	0
{ " " " " " " 56 lbs.		0	7	0	4	8	12	4	4	0	54	6
{ middling and small - - - - -		-	-	-	-	-	72	—	—	—	—	
Stencil plates, { alphabet, 2 $\frac{1}{2}$ -in., sets		1	5	0	-	-	10	12	10	0	—	
copper { numerals " " - - - - -		0	10	0	-	-	10	5	0	0	—	
Spikes { hand, wooden - - - - -		-	-	-	-	-	25	—	—	—		
{ marline, iron - - - - -		-	-	-	-	-	12	—	—	—		
Straps, cloak, saddle - - - - -		-	-	-	-	-	36	—	—	—		
Taps, metal { large - - - - -		0	10	6	4	2	50	26	5	0	206	4
{ medium and small - - - - -		0	3	6	0	14	100	17	10	0	87	8
Tapes, measuring { 60 feet - - - - -		0	10	0	1	0	6	3	0	0	6	0
{ 100 " " - - - - -		0	10	0	1	2	6	3	0	0	6	12
Tarpaulines { 25 feet by 20 feet - - - - -		5	17	0	78	0	100	585	0	0	7,800	0
{ 12 " " " " " " 10 " " - - - - -		1	7	6	37	0	300	305	12	10	11,100	0
Thimbles, rope, large and small, the large to be iron and small brass, of each - - - - -		-	-	-	-	-	300	—	—	—		

Magnize Implements—continued.

List of additional Miscellaneous Stores, Implements, &c.—continued.

	Description.	No. of Drawing.	Cost of each.	Weight of each.	Total No.	Total Cost.	Total Weight.	Remarks.
			£ s. d.	lbs. oz.		£ s. d.	lbs. oz.	
Magazine Implements—continued.	Tomahawks - - - - -		0 2 6	3 0	25	3 2 6	75 0	
	Triangles, iron - - - - -		1 2 6	105 0	12	13 10 0	1,260 0	
	Trucks, warehouse - - - - -		1 1 0	41 8	20	21 0 0	1,230 0	
	Twine { warehouse - - - - - lbs.		0 1 0	1 0	224	11 4 0	224 0	
	Twine { packing - - - - - "		0 0 10	1 0	224	9 6 8	224 0	
	Twine { sailmaker's { sewing - - - - - "		0 1 4½	1 0	224	15 8 0	224 0	
	Twine { sailmaker's { roping - - - - - "		- - -	1 0	224	- - -	224 0	
	Wallets, holster, brown leather		2 4 0	4 0	12	26 8 0	48 0	
	Wedges, iron, for splitting wood, 9" - ½ lb.		0 1 2	5 10	100	5 17 0	562 8	
	Weights, dead, iron { 1 " - - - - -		0 0 3	0 4	12	0 3 0	3 0	
	Weights, dead, iron { ½ " - - - - -		0 0 3	0 8	12	0 3 0	6 0	
	Weights, dead, iron { 1 " - - - - -		0 0 4	1 0	12	0 4 0	12 0	
	Weights, dead, iron { 2 " - - - - -		0 0 6	2 0	12	0 6 0	24 0	
	Weights, dead, iron { 4 " - - - - -		0 0 8	4 0	12	0 8 0	48 0	
	Weights, dead, iron { 7 " - - - - -		0 1 0	7 0	12	0 12 0	84 0	
Weights, dead, iron { 14 " - - - - -		0 1 7	14 0	12	0 19 0	168 0		
Weights, dead, iron { 28 " - - - - -		0 2 3	28 0	12	1 7 0	336 0		
Weights, dead, iron { 56 " - - - - -		0 4 6	56 0	20	4 10 0	1,120 0		
Office Furniture.	Bags, money - - - - -		0 0 1	0 1	500	2 1 8	31 4	
	Boxes { despatch - - - - -		- - -	- - -	12	- - -	- - -	
	Boxes { tin, for papers, large and small		- - -	- - -	20	- - -	- - -	
	Chairs, camp - - - - -		- - -	- - -	20	- - -	- - -	
	Chests, wrought iron (Tan { large		78 0 0	784 0	2	156 0 0	1,568 0	
	Chests, wrought iron (Tan { and Sons' patent) { small		11 10 0	112 0	5	57 0 0	560 0	
	Pigeon holes, portable, sets		4 10 0	40 0	10	45 0 0	400 0	
	Scales, { large, with weights com- money { plete - - - - -		9 18 0	6 0	1	9 18 0	6 0	
	Stools, camp - - - - -		0 15 0	4 0	2	1 10 0	8 0	
	Tables, camp - - - - -		0 3 9	5 2	20	3 15 0	102 8	
Bakers' Implements.	Baskets, flour, lined with tin - - -		0 6 6	6 8	15	- - -	- - -	
	Boards, bread - - - - -		0 1 6½	- - -	50	- - -	- - -	
	Boilers, Soyer's, 8 gallons - - - - -		4 0 0	138 0	12	- - -	- - -	
	Bowls, zinc, with handles - - - - -		0 1 6	2 8	24	1 16 0	36 0	
	Brushes { hand - - - - -		0 1 7½	1 1½	20	- - -	- - -	
	Brushes { sweeping - - - - -		0 2 5	1 4	15	- - -	- - -	
	Carts, water - - - - -		18 16 0	59½ 0	12	225 12 0	6,116 0	
	Fire-irons - - - - - sets		0 4 9	8 8	10	2 7 6	85 0	
	Knives, dough - - - - -		0 0 6½	0 9	50	- - -	- - -	
	Lamps, oven - - - - -		0 2 6	7 6	40	- - -	- - -	
	Machines, kneading, Stevens', 5 sacks, with 3 spare zinc troughs to each		- - -	- - -	2	- - -	- - -	
	Ovens, field, com- { Aldershot pattern		6 2 0	320 0	40	- - -	- - -	
	Ovens, field, com- { Curragh "		7 10 0	342 0	30	- - -	- - -	
	Peels { drawing - - - - -		0 8 6	13 0	40	- - -	- - -	
	Peels { setting - - - - -		0 3 6	5 8	40	- - -	- - -	
	Rakes, iron, with handles - - - - -		0 3 6	7 1	20	- - -	- - -	
	Scales, dough, with weights - - - - - sets		0 7 6	7 4	20	- - -	- - -	
	Scoops, tin { large - - - - - each		0 2 6	0 11	12	- - -	- - -	
	Scoops, tin { small - - - - - "		0 1 3	0 5½	50	- - -	- - -	
	Scrapers, dough - - - - -		0 1 2	0 9	50	- - -	- - -	
	Sieves { hair, 16-inch diameter - - -		0 4 1	2 0	50	- - -	- - -	
	Sieves { wire, copper, fine, ditto - - -		0 4 0	5 0	18	3 12 0	60 0	
	Smashers, potato - - - - -		0 2 0	7 10	12	- - -	- - -	
	Strainers, tin, potato - - - - -		0 4 0	7 8	18	- - -	- - -	
	Thermometers, bakers' (brewers' for bakers' use) - - - - -		0 4 6	0 4	12	- - -	- - -	
Tables, deal, small - - - - -		1 1 0	31 8	25	- - -	- - -		
Troughs, dough, field service, with covers - - - - -		7 1 0	481 0	20	- - -	- - -		
Tubs { ferment (in nests of 10 each) - - -		0 12 6	32 8	40	- - -	- - -		
Tubs { yeast " " - - - - -		0 11 6	32 8	20	- - -	- - -		
Tubs { water " " - - - - -		0 12 0	3 4	40	- - -	- - -		
Butchers' Implements.	Axes { pole - - - - -		0 4 6	4 13	18	- - -	- - -	
	Axes { handle, for - - - - -		0 0 6	2 5		- - -	- - -	
	Beams, iron, scale, 5 cwt., one end fitted with hooks for hooking quarters of beef		1 15 0	37 0	10	17 10 0	370 0	
	Boards, scale - - - - -		0 9 6	71 0	20	9 10 0	1,420 0	
	Canes, pithing - - - - -		0 0 8	0 2	20	0 13 4	2 8	
	Cloths, wiping - - - - -		0 0 8	0 2	200	0 13 4	25 0	
	Corses - - - - -		0 6 0	12 10	10	- - -	- - -	
	Choppers - - - - -		0 1 10	2 6	10	0 18 4	23 12	
	Grindstones, large, with trough and spindle - - - - -		1 3 6	81 0	6	7 1 0	486 0	

For working by hand or by steam or horse power, and therefore to be fitted with drums and gear.

See page 25.

See page 26.

List of additional Miscellaneous Stores, Implements, &c.—*continued.*

Description.	No. of Drawing.	Cost of each.	Weight of each.	Total No.	Total Cost.	Total Weight.	Remarks.	
		£ s. d.	lbs. oz.		£ s. d.	lbs. oz.		
Butchers' Implements— <i>continued.</i>	Gambles { iron -	0 0 9	0 15	80	- - -	- - -	} <i>See page 26.</i>	
	Gambles { wood -	0 0 7	9 12	20	- - -	- - -		
	Irons, breast -	0 2 0	1 9	10	1 0 0	15 10		
	Hooks { large -	0 0 4½	0 15	50	- - -	- - -		
	Hooks { small -	0 0 1½	0 4	50	- - -	- - -		
	Gallows { hanging -	- - -	- - -	6	- - -	- - -		
	Gallows { killing -	- - -	- - -	6	- - -	- - -		
	Carts, water -	18 16 0	594 0	8	150 8 0	4,752 0		
	Chains, scales - sets	0 13 6	37 12	10	8 1 0	377 8		
	Knives {	meat, large -	0 1 2	0 6	25	- - -		- - -
		cutting -	0 1 0	0 6	60	- - -		- - -
		jointing -	0 0 6½	0 3	60	- - -		- - -
		siding -	0 0 6½	0 5	60	- - -		- - -
	Pouches, butcher, with waist straps -	0 2 0	0 14	60	- - -	- - -		
	Pritches -	0 2 0	2 7	20	- - -	- - -		
	Pails, water, zinc -	0 2 9	9 6	20	1 15 0	187 8		
	Ropes, head, with ring -	0 4 6	4 8	60	13 10 0	270 0		
	Saws, meat {	large, 20" -	0 2 6	2 13	20	2 10 0		56 4
		small, 14" -	0 2 0	1 4	20	2 0 0		25 0
	Skewers, wood -	0 0 1	0 0½	10,000	- - -	- - -		
	Spreaders -	0 4 6	3 8	20	- - -	- - -		
	Steels, butchers', sharpening -	0 1 8	0 12	60	- - -	- - -		
	Machines, weighing, Avery and Son's patent lever, counter to weights, 56 lbs. -	1 5 0	35 0	10	12 10 0	350 0		
			0 0 3	0 4	10	0 2 6		2 8
		½ lbs. -	0 0 3	0 8	10	0 2 6		6 8
		1 " -	0 0 4	1 0	10	0 3 4		10 0
	2 " -	0 0 6	2 0	10	0 5 0	20 0		
Weights, iron, dead {	4 " -	0 0 8	4 0	10	0 6 8	40 0		
	7 " -	0 1 0	7 0	10	0 10 0	70 0		
	14 " -	0 1 7	14 0	10	0 15 10	140 0		
	28 " -	0 2 3	28 0	10	1 2 6	280 0		
	56 " -	0 4 6	56 0	20	4 10 0	560 0		
Tools and implements:—Carpenters' general army and engineer field service; packed in chests complete, per W.O. Cir. No. 612 -	8 5 0	244 0	12	- - -	- - -	<i>See page 27.</i>		
Tools and implements:—Coopers' general army and engineer field service; packed in chests complete, per W.O. Cir. No. 613 -	5 14 0	150 0	6	- - -	- - -	<i>See page 28.</i>		
Tools and implements:—Bricklayers' and masons' general army and engineer field service; packed in chests complete, per W.O. Cir. 782 -	4 5 0	138 8	6	- - -	- - -	<i>See page 28.</i>		
Tools and Implements:—Smiths' general army and engineer field service; packed in chests complete, per W.O. Cir. No. 787 -	9 3 0	207 0	6	- - -	- - -	<i>See page 30.</i>		
Vice, standing, 36 lbs. -	0 10 6	36 0	-	- - -	- - -			
Stocks and dies, with wrenches and taps. Whitworth, from ½" to 1½", in case -	22 0 0	56 0	-	- - -	- - -			
Forges:—Field service carts, Maltese pattern, with bellows, &c., complete -	35 0 0	1,353 0	6	210 0 0	8,118 0			

LIST OF MARKS FOR PACKAGES AND STORES.

The following method of marking stores and packages sent to an army in the field, in order to facilitate their collection, arrangement, and delivery, was approved in 1861, and notified in Circular 732, 21/12/61.

Mark.	Class of Stores.
Balls { one blue ball - - - -	Ordnance, carriages, shot of all kinds, empty shells, and general stores <i>for field service</i> .*
two ditto - - - -	
one red ball - - - -	
Crosses { one red cross - - - -	Medicines and medical instruments.
one black cross - - - -	Medical comforts.
two " - - - -	Hospital and barrack stores.
Diamonds* (two red diamonds)	Ammunition for artillery or small arms, including live shells and combustible stores.
Heart (one black heart)	Clothing and necessaries.
Horse shoes { one black horse shoe - - - -	Harness and saddlery ; pack-saddles included.
two " - - - -	Wagons and carts for transport of stores.
Squares { one black square - - - -	Intrenching tools, nails, &c.
two " - - - -	Materials for hutting or building (except nails).
Triangles { one red triangle - - - -	Miscellaneous stores.
two black " - - - -	Camp equipage (except intrenching tools and pack-saddles).
Trefoil (one green trefoil or club)	Food, forage, fuel, and light.

* Ordnance carriages and stores for *naval* service are marked with a blue ball and a red diamond.

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