

Personnel and materiel of the medical department of the army of 30,000 men ordered to Turkey under the command of Lord Raglan.

Contributors

United Kingdom. Army and Ordnance Medical Department.
Royal College of Surgeons of England

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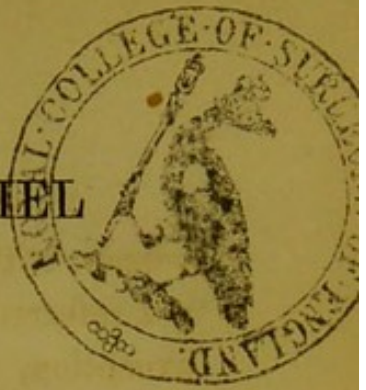
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PERSONNEL AND MATERIEL

OF THE

MEDICAL DEPARTMENT

OF THE

ARMY OF 30,000 MEN

ORDERED TO TURKEY

UNDER COMMAND OF LORD RAGLAN

PRESENTED BY
*Director General
Army Medical
Dept.*

LONDON:

PRINTED BY STEWART AND MURRAY,
OLD BAILEY.

MEMORANDUM

MEMORANDUM FOR THE GOVERNMENT

The following list of Medicines, Surgical Instruments,
Surgical Machines, Medical Cases, Hospital Cases, and
Means for the Government of Sick and Wounded is furnished
to enable the Medical Officers of the Army in Turkey—
1st. To ascertain the provision which has been made to
meet the wants of sick and wounded, and the quantity
which is with the Army, available for that purpose.
2ndly. To report to me, through the Inspector-General
of Hospitals, what other articles, if any, may be advan-
tageously added to the supplies which have been furnished.
Special attention is requested to the Cases and War-
gons which have been furnished for the conveyance of
sick and wounded. No doubt many defects will be dis-
covered in both; therefore the Medical Officers serving
with the Army will, in all probability, have an oppor-
tunity of improving upon appliances that are known
theoretically only to the British Army, though practically to
the French since 1802, when a supply of light waggon
accompanied by a Corps of Disciplined Artisans, were
sent into the field on the recommendation of the late
renowned Baron Larrey. But notwithstanding the French

DEPARTMENTAL MEMORANDUM.

THE following List of Medicines, Surgical Instruments, Surgical Materials, Medical Comforts, Hospital Stores, and Means for the Conveyance of Sick and Wounded, is furnished to enable the Medical Officers of the Army in Turkey—

1st. To ascertain the provision which has been made to meet the wants of sick and wounded, and the *materiel* which is, with the Army, available for that purpose.

2ndly. To report to me, through the Inspector-General of Hospitals, what other articles, if any, may be advantageously added to the supplies which have been forwarded.

Special attention is requested to the Carts and Waggon which have been furnished for the conveyance of sick and wounded. No doubt many defects will be discovered in both; therefore the Medical Officers serving with the Army will, in all probability, have an opportunity of improving upon appliances that are known *theoretically* only to the British Army, though *practically* to the French since 1792, when a supply of light waggons, accompanied by a Corps of Disciplined Attendants, were sent into the field on the recommendation of the late renowned Baron Larry. But notwithstanding the French

have used so long what we are now only beginning* to employ, still there is reason to believe much must yet be effected before we shall be able to consider the object in view to have been satisfactorily attained.

Medical Officers will, therefore, be pleased to report, through the Inspector-General of Hospitals, whatever defects they may discover in the vehicles which have now been supplied; and also suggest whatever alterations, additions, &c., they may think calculated to render them more suitable and efficient.

ANDREW SMITH, M.D.,

Director-General.

Army and Ordnance Medical Department.

13, *St. James' Place,*

June 20, 1854.

* The late Director-General, Sir James McGrigor, Bart., K.C.B., whose sagacity, foresight, and capacity of devising efficient means and arrangements for the welfare and safety of the sick and wounded of an army, and who was, and still is—on account of these and other qualifications he possessed to an unrivalled degree—the admired of all who desired and yet desire, *palmas qui meruit ferat*, made, whilst he was chief of the Medical Department of the army in the Peninsula, repeated efforts to have an Ambulance Corps, similar to what he saw in use with the French, attached to the British Force, but without success.

I feel it imperative on me to state this fact, and further to record that the army now in Turkey, which Her Majesty's Government has permitted me to supply in the most liberal manner with everything likely to prove advantageous to the interests of such sick and wounded as may occur, has actually been furnished with many of the most important articles at the recommendation of my venerated predecessor, who, though in the eighty-fourth year of his age, has afforded me during the last four months the advantage of his fifty-eight years experience in the public service, and so made me feel more at ease under the important and responsible duties I had to discharge than otherwise I should have done.

PERSONNEL—(STAFF).

- 1 Inspector-General of Hospitals.
- 4 Deputy Inspectors-General of Hospitals.
- 12 Staff-Surgeons of the 1st Class.
- 13 Staff-Surgeons of the 2nd Class.
- 48 Staff Assistant-Surgeons.
- 1 Chief Apothecary.
- 3 Dispensers of Medicines.
- 3 Purveyors.
- 6 Purveyors' Clerks.
- 2 Medical Clerks.
- 1 Cutler and his Assistant.

PERSONNEL—(REGIMENTAL).

- 1 Surgeon and 3 Assistant-Surgeons to each Regiment of Infantry (850 men).
- 1 Surgeon and 1 Assistant-Surgeon to every Two Squadrons of Cavalry (250 men).
- 1 Assistant-Surgeon to every Troop of Horse Artillery.
- 1 Assistant-Surgeon to every Field Battery, and
- 1 Surgeon Ordnance Medical Department for General Duties.

TOTAL NUMBER OF MEDICAL OFFICERS, 205.*

* During the Peninsular War rather more than one-third, but not quite one-half, of the Medical Officers of the Army were generally ineffective from sickness, &c.; therefore, as there is no reason to expect less disease will occur in Turkey, there must be, in addition to the above, a reserve of 68 Medical Officers to supply the places of such as become unfit for duty.

MATERIALS

MEDICINES, INSTRUMENTS, ETC.

MEDICINES AND MEDICAL MATERIALS

0	120	Acetic Acid
0	124	Acid: Acetic
0	26	Hydrochloric
4	1	Hydrocyanic
0	21	Nitric
0	28	Sulphuric
0	100	Tartar: emetic
0	80	Ethers
0	25	Aloe
0	78	Alum
0	25	Ammoniac
0	28	Ammoniac Hydrochloric
0	121	Scopolamine
0	120	Ammoniac
0	100	Ammoniac
0	25	Ammoniac: Tartaric
0	18	Argent Nitrate
0	10	Borax
0	200	Calcium Chloride
0	50	Camphor
0	15	Cera alba
0	2,000	Gum: Calamint
0	1,000	Gum: Guttiferum
0	100	Resin: Benzoin
0	180	Chloroform
0	50	Contra: Argent
0	50	Opium

MATERIEL.

MEDICINES, INSTRUMENTS, ETC.

MEDICINES AND MEDICAL MATERIALS.

	lb.	oz.
Acaciæ : contrit :	126	0
Acid : Acetic :	124	0
—— Hydrochlor :	26	0
—— Hydrocyan : D	1	4
—— Nitric :	24	0
—— Sulphuric :	26	0
—— Tartar : contrit :	100	0
Ætheris	50	0
Aloes	25	0
Alum :	75	0
Ammoniac :	25	0
Ammoniaë Hydrochlor :	26	0
—— Sesquicarb :	124	0
Amyli	150	0
Anthemidis	100	0
Antimon : Potassio-tartr :	25	0
Argenti Nitrat :	15	0
Boracis	10	0
Calcis chlorinat :	300	0
Camphor :	50	0
Ceræ albæ	15	0
Cerati Calaminæ	2,000	0
—— Cetacei	1,000	0
—— Resinæ ..	100	0
Chloroform	180	0
Confect : Aromat :	50	0
—— Opii	50	0

	lb.	oz.
Confect: Rosæ.....	50	0
Copaibæ	250	0
Creasoti	5	0
Cretæ ppt:	50	0
Cubebæ: Contrit:	100	0
Cupri Sulph:	20	0
Emplastr: Cantharid:	500	0
———— Hydrarg:.....	20	0
———— Plumbi.....	50	0
———— Resinæ	750	0
Extract: Belladonnæ	7	8
———— Conii	12	8
———— Hyosciami.....	10	0
———— Sarsæ liquid:	100	0
Ferri Sulphatis.....	10	0
Hydrarg: Bichlorid:	5	0
———— Chloridi	100	0
———— Cum Creta	30	0
Jalapæ Contrit:	150	0
Iodinii	10	0
Ipecacuan: Contrit:.....	75	0
Lini Semin: Farin:.....	3,000	0
Liniment: Saponis	250	0
Liquor: Ammon:	50	0
———— Plumbi Diacetat:	150	0
———— Potass: Arsenit:	12	0
———— Sodæ chlorinat:	150	0
Magnesia	13	0
———— Carbon:	25	0
———— Sulphat:	46	0
———— Sulphat:	cwt.	
Morphiæ Acetatis.....	9	0
———— Hydrochlor:	9	0
Ol: Menthæ piperitæ	9	0
— Morrhuæ	296	0
— Olivæ	250	0
———— Secundi	50	0

	lb.	oz.
Ol: Ricini	1,000	10
— Terebinthinæ	200	0
— Tiglii	1	0
Opium Contrit:	30	0
Pilul: Aloe: cum Myrrh:	20	0
— Colocynth: Comp:	100	0
— Hydrarg:	100	0
— Scillæ Comp:	10	0
Plumbi Acetatis	50	0
Potassæ Acetatis	20	0
— Bitartr: Contr:	200	0
— Nitratis	150	0
Pil: Hyd: Iodid:	5	0
Potassii Iodidi	50	0
Pulv: Antimonii comp:	30	0
————— Jacob:	15	0
— Cretæ comp:	100	0
————— cum Opio... ..	100	0
— Ipecacuanhæ comp:	150	0
Quinæ Disulphatis	130	0
Cinchoniæ Disulph:	40	0
Rhei contrit:	100	0
Secal: Cornut:	5	0
Scammon: Contrit:	10	0
Scillæ recen: exsicc: Contr:	20	0
Sennæ	200	0
Sinapis contriti	100	0
Sodæ Bicarbon:	100	0
— Potassio-tart: Contr:	126	0
Spirit: Ætheris comp:	100	0
————— nitrici	100	0
————— Ammon: Aromat:	50	0
————— Rectificat:	Imp: Pts: 400	0
Syrup: Ferri Iodidi	9	0
Tinct: Camphor: Comp:	150	0
————— Cardam: Comp:	150	0
————— Catechu: Comp:	100	0

	lb.	oz.
Tinct: Colchici	50	0
—— Ditto, Comp.....	40	0
—— Digitalis	20	0
—— Ferri Sesquichlor:	20	0
—— Gentian: Comp:	50	0
—— Guaiaac: Comp:	50	0
—— Hyosciami	50	0
—— Iodini Comp:	50	0
—— Myrrh:.....	60	0
—— Opii	250	0
—— Rhei Comp:	250	0
—— Scillæ	100	0
—— Sennæ Comp:.....	100	0
—— Matico	3	0
—— Zedoar: and Aloes	12	0
Vin: Colchici	50	0
—— Ipecac:	50	0
—— Opii	30	0
Ung: Hydrarg:	250	0
—— Nitrat:.....	25	0
—— Sulphur: Comp:	126	0
Ointment (Albinolo)	10	0
Zinci Sulph:.....	26	0
Zingiber: Contrit:	50	0

INSTRUMENTS, SURGICAL MATERIALS, &c.

Capital Instruments	22 full sets
Ditto, portable	80 sets
Midwifery Instruments	2 „
Pocket Instruments	100 full sets
Ditto	48 small do
Cupping Instruments	50 sets
—— Scarificators	50 „
—— Temple	9 „
Tooth Instruments	25 sets
Lancets, Cases of 6	50 „
—— 4	75 „

Needles, Crooked	50	cases
—— Common	1,000	
Bougies, Flexible Metallic	15	cases
Catheters, Silver	75	
—— Female	6	
Stomach Pumps	24	cases
Syringes, Pewter Urethra	250	„
—— Glass ditto	30	„
—— Elastic Gum	9	
—— Pewter Clyster and Pipes	40	
Spare Pipes for ditto	40	
Apparatus, Hydrocele	9	cases
—— Suspended Animation	5	„
Ellis' Apparatus for Fractured Clavicle	12	
Amputating Knives	50	
—— Saws	50	
Assalini Tenaculums	20	
Weis's Tenaculums	120	
Catlins	25	
Probangs	15	
Silver Probes, long	30	
—— pocket	100	
Pocket Spatulas	50	
Bullet Forceps	60	
Coxiter's Bullet-scoops	100	
Reade's ditto	30	
Tourniquets, Field	375	
—— Screw	100	
Hand hair-sieves	6	
Stethoscopes	49	
Thermometers, Atmospheric	10	
—— Bath	25	
Surgeon's Sponges	2,000	
Bandages, Calico	37,500	
—— Flannel	9,750	
—— 18-tailed	500	
Calico for Bandages	20	pieces
Flannel ditto	10	„
Elastic Material for Bandages	100	yards
Oiled Silk	127	yards
Gutta Percha tissue	127	„
Trusses, Bag	1,000	
—— Steel	150	
—— Ditto double	50	

Blood Porringers	100
Tape, Broad	120 pieces
— Narrow	120 pieces
Thread for Ligatures	8 lb.
Silk for ditto.....	40 oz.
Splints, Common	250 sets
— Whalebone for Legs	100 "
— ————— Thighs.....	100 "
— ————— Upper Arm.....	100 "
— ————— Fore Arm ..	100 "
— Startin's Wire	100 yards
— Double inclined Planes	25
— Liston's Thigh.....	50
— (Air), for Thigh	5
— — for Leg.....	5
— — for fore Arm	5
Busks, Thigh Splints	25
Arm Slings	100
Spatulas, Spreading	30
Pot Spatulas	6
Bolus Knives	50
Cork Screws	30
Counter Scissors	30
Strait Waistcoats	60
Fracture Cradles	250
Stump Caps	300
— Pillows	1,100
Crutches.....	220 pairs
2 oz. Narrow Mouth Square Stoppered Bottles	18 doz.
4 oz. ditto ditto	12 "
8 oz. ditto ditto	6 "
$\frac{1}{2}$ oz. Stoppered Bottles	6 "
1 oz. ditto	6 "
2 oz. ditto	6 "
1 oz. Wide Mouth Vials	8 "
2 oz. ditto	8 "
4 oz. ditto	8 "
8 oz. ditto Square	8 "
India Rubber, Air or Water Bed	1
Crescent Shaped Water Cushions	25
Square ditto ditto	25
Circular ditto ditto	55
Crescent Shaped Air ditto	11

Square Air Cushions	35	
Circular Air ditto	35	
Divided ditto	9	
Lint, Taylor's		
Second		} 2,500 lb.
Bowen's Fine		
Second		} 3,000 "
Surgeon's Tow	500	
Old Linen Sheets	500	
Skins of Leather	20	
Prepared Lamb for Fomentations	1,250	yards
Linen spread with adhesive Plaster	750	"
Calico ditto ditto	250	"
Oiled Cloth	250	papers
Pins	50	yards
Spongio Piline	30	sets
Scales and Weights, Grain	30	"
Ounce	4	"
Pound	4	"
Two Pound	2	"
Fourteen Pound	36	"
Labels	60	
Measures, Graduated Minim	120	
Two oz.	2	
Pint	2	
Eight oz.	10	
Pewter Ounce	10	
Half Pint	10	
Pint	10	
Quart	100	yards
Isinglass Plaster on Linen	12	packets
Papier Chymique	50	
Bolus Tiles	30	
Mortars and Pestles, Composition, Small	24	
Ditto, Middle sized	8	
Metal, Small	8	
Glass, Small	50	
Tin Panakins	16	
Funnels, Composition	48	lb.
Cord, Laid	96	"
Box	30	
Copper Decoction Pots, quart	3	reams
Paper, Wrapping	3	"
Brown		

Tinct: Matico	4 oz.
Jalapæ Cont:	2½ "
Tinct; Ferri Ses:	2 "
Chloroform	8 "
Solut: Acet: Morph:	2 "
Amon: Sesq:	4 "
Antim: Potass: Tart:	1 "
Ol: Tiglii	1 "
Hydrarg: Chlorid:	2 "
Ol: Mehthæ: pip:	1 "
Cerat: Cetacei	8 "
Ext; Opii	2 "
Colocynth: C:	4 "
Lucifer Matches	1 box
Pins	1 paper
Ligature Silk	1 oz.
— Bott: in Baskets	2
Ligature Thread	1 oz.
Horn Cup	1
Wedgwood Measure	1
Minim:	1
Spongio Pilini	¼ yard
Hospital Book	1
Splints	
Old Linen Sheet	1
Adhesive Plaster	4 yards
Tow	3 lbs.
Oil Silk	1 yard
Fine Lint	2 lb. 8 oz.
Calico Bandages	50
Gallipots	1 doz.
Tourniquets	15
Wax Taper	1
Candle	1
Counter Scissors	1 pair
Tape	1 piece
Corkscrew	1
Palate Knife	1
Elastic Enema	1
Sponges	6
Corks	3 doz.

Boxes of Apparatus for Fractures and Dislocations..... 7

Each box containing—

Double inclined Plane

Jointed Thigh Splint

Arm Sling

Jointed Elbow Splint

Set of Lined Splints

— Japanned Leg Splints

— Whalebone Splints

Dislocation Apparatus

MEDICAL COMFORTS.

Port Wine.....	600 doz.
Brandy	300 gall.
Preserved Meat, of various kinds	10 cwt.
Hogarth's Essence of Beef	10 „
Sugar.....	4,680 lbs.
Tea	2,200 „
Preserved Potatoes	45 cwt.
Sago	6 „
Arrow Root	6 „
Barley	15 „

BOOKS, STATIONERY, PRINTED FORMS, &c.

Hospital Regulations	102
Medical Registers	186
Historical Registers	66
Admission and Discharge Books.....	66
Guard Books for Hospital Return	6
——— for Circular Letters (for Staff only)	3
Defaulter Books	4
Annual Sick Returns	228
Quarterly ditto	450
Bed-head Tickets	25,000
Returns of Medicines, Regimental	200
——— General.....	46
Requisitions for Medicines, Regimental....	256
——— General	42
Requisitions for Instruments, Regimental..	256
——— General	42
Requisitions for Steel Trusses	450
Abstracts of Medicines General	54
Boards of Survey	58
Inspection Reports of Transports	248
Returns of Arrivals and Departures	174
——— Deaths, Nos. 1, 2, 3.....	100 each
——— Casualties	299
——— Invalids, 1, 2, 3	210 each

Medical Comforts, Nos. 1 and 2	450 each
Quarterly Account—Outside sheet	200
—————Inside sheet	400
Abstract of ditto	12
Annual Requisition for Blank Forms	12
Quarterly Statement of Expenditure.....	20
————— of Sums paid to Commissariat ..	40
—————Return of Sick Seamen and Marines	100
Annual General Abstract	10
————— Return of Medical Staff.....	10
————— of Pay and Allowances of ditto	10
Monthly Diet Tables	50
————— Abstract of Extras	50
————— Return of Men of other Corps ..	1,000
Daily Rolls of Extras	1,000
Monthly Return of Stoppages	1,000
Sanitary Reports—White Troops—No. 1..	20
—————No. 2..	20
General Monthly Return of Hospital Staff..	50
Financial inspection	5
Statement of Services of Medical Officers ..	10
Weekly and Daily Report of Sick	1,000
Envelopes, size of half sheet post	4,000
————— Foolscap	8,000
————— Demy	2,000
Large Covers, imperial cap.	1,000
Quarto Post, in Sheets	6 reams
————— in Half-sheets	6 „
Foolscap in Sheets	10 „
————— in Half-sheets	10 „
Brown Paper.....	6 „
Blotting Ditto	6 „
Cartridge Paper	2 reams
Demy ruled	2 „
Foolscap ruled	2 „
Lumberhand	4 „
S. O. Royal	6 „
Ink Powders, Black	100
————— Red	50
Quill Pens	2,000
Steel Ditto	1,200
Red Tape	144 pieces
Wafers	6 lbs.
Wax	2 lbs.

India Rubber	20 pieces
Pencils	108
Thread	2 lbs
Twist Green	2 skeins
Pins	2 lbs.
Needles	12
Mordan's Nibs	4 boxes
Holdes	4
Cord	2 lbs.
Pen knives	40
Erasers	20
Inkstands	40
Scissors	20
Round Rulers	20
Memorandum Books	50
Paper knives	12
Cards	6 packs
Cardboards	24

HOSPITAL STORES, &c.

Axes, Felling	51
Adzes, Coopers'	51
Borer Tap, small size	51
Bedding, Blankets, single	10,404
———— Rugs	5,202
———— Paillasses	5,202
———— Bolster Cases	5,202
———— Sheets, white	15,606
Beds, or Mattresses, hair	2,040
Beds, Air	60
Bolsters	2,040
Belts, Cholera	40,000
Boards and Trestles, consisting each of two trestles and three boards	2,550
Cases for Beds, waterproof	1,020
Baths, Tin, Slipper Baths	51
Baths, Slipper, India Rubber, Air	5
Basons, Pewter and Zinc	408
Bridles for Bat. Horses	80
Brushes, Long Scrubbing	204
———— Hand ditto	204

Brushes, Long Sweeping	204	
——— Hand ditto	102	
——— White-washing	204	
Boxes, Lucifer Matches	612	
Candlesticks, with Snuffers, Iron	408	
Chisel Sockets, 1 and 1½ inch	102	
Cocks, with Keys, Brass, ½ inch	102	
Coppers, 20 Gallons	51	
——— 12 ditto	102	
——— Trivets for ditto	153	
Choppers for Meat	102	
Carts, Hand	4	
Cups, Drinking, Tin, Quarts	918	
——— Pints	6,120	
Dishes, Tin, 13 inch	1,020	
Dresses, Woollen, Gowns Serge	3,060	
——— ———— Trowsers ditto	3,060	
——— ———— Waistcoats ditto	3,060	
——— ———— Caps, Worsted	3,060	
——— ———— Flannel Shirts	1,530	
——— ———— Half Stockings, Worsted..	1,530	pairs
——— ———— Slippers, Leather	2,550	"
——— Linen, Shirts	1,530	
——— Cotton Gowns	3,060	
——— ———— Trowsers	3,060	
——— ———— Waistcoats	3,060	
——— ———— Caps	3,060	
Filtering Machines	20	
Funnels, Tin, 6 inch	102	
——— 8 inch	102	
Frames, Iron Close Stool	480	
Forks, Flesh	102	
Gimlets, Assorted	204	
Handles for Brushes and Mops	1,020	
Hatchets	102	
Hospital Marquees	70	
Hospital Canteens of Utensils, A.B., includ- ing 12 Sets of Bedding to each	40	pairs
Hammers, Claw, in sizes	102	
Hessens, Pieces of 33 yards	51	
Huckaback, ditto 18 ditto	51	
Kettles, Nests of 8 Tin	153	
——— Tea, 7 Quarts, Iron	153	
——— Ditto, 4 ditto	153	

Knives and Forks, Common	2,448	
Knives and Forks, Carving	102	
Lamps, Passage, or Wards	816	
—— Burners, Double Wick for ditto ..	816	
—— Cotton Wick for ditto	306	lbs.
—— Hand Agitable	101	
Lanthorns, Tin, Punched	102	
Ladles, Soup	102	
Muslin for Musquito Curtains	2,000	yards
Mop Heads, with Nails	612	
Mallets, Wood	51	
Needles, Packing, Assorted	204	
—— Sewing ditto	2,550	
Nails, Assorted	51,000	
Pails, or Water Buckets	204	
Padlocks, with Hasps and Staples	204	
Pans, Bed, Pewter and Zinc	510	
—— Stool ditto	480	
—— Frying	51	
Panniers	40	pairs
Pack Saddles	80	
Pickaxes	50	
Plates, Tin	7,650	
Measures, Tin, Imperial, 1 gall. to $\frac{1}{2}$ gill for oil	17	sets
—— Copper, ditto ditto for wine	17	„
Pots, Chamber, Pewter and Zinc	3,060	
—— Coffee, Tin	51	
—— Tea, 5 Pints	204	
—— Ditto, 3 ditto	204	
—— Spitting, Pewter and Zinc	1,600	
Rollers and Brackets, Towel	153	
Saucepans, Tin, Nests	51	
Spoons, Iron	7,650	
Scales and Beams, to weigh 112 lbs.	17	
—— Weights for ditto	17	sets
—— Scale Boards for ditto	17	„
—— To weigh 28 lbs.	51	
—— Weights for ditto	51	sets
—— Diet Scales	51	
—— Weights for ditto	51	sets
Shovels	51	
Spades	51	
Saws, Hand	204	

Screw Drivers, Large and Middling, to include Brace and Screw-driver Bit	51
Screws, Assorted	5,100
Tents (Portuguese) proposed by Mr. Guthrie	40
Tarpaulins	240
Towels, Round	612
——— Hand	612
Thread, Sewing, White	102 lbs.
——— Whitebrown.....	102 „
Twine and Cord, in 3 sizes	612 „
Tubs, Washing	153
Urinals	153
Water Bags, India Rubber *	100
Water Decks, Painted.....	510

* Each of the men employed in removing the wounded from the field is to carry one of these haversack-like bags filled with water.

MEANS FOR THE CONVEYANCE OF WOUNDED FROM THE FIELD.

Bearers, or stretchers	780
Spring Carts on two wheels, built according to the directions of Mr. Guthrie	20
Spring Waggons, on four wheels†	20
Flanders Waggons †.....	9

+ Each waggon is capable of carrying from the field, or from field hospitals to hospitals in the rear, ten persons, namely, four badly, and six slightly wounded men, each in a separate compartment. By this arrangement, every individual will be ensured against inconvenience or injury from his immediate neighbours which would, did no partitions exist, certainly prove most detrimental, especially to weakly and severely wounded men, who might have

† These are intended for the carriage of bedding, stores, &c., to be used in field-hospitals; and in the event of their not proving sufficient for the purpose, the waggons intended for the transport of sick and wounded, are capable of being quickly dismantled internally, and made available to supply the deficiency; they, like the others, are placed on springs, and in case of necessity, can also be used for the carriage of sick and wounded.

In addition to the before-mentioned supply, each corps is provided with a regimental, and with a detachment, medicine chest, each chest amply furnished with medicines and surgical materials, according to the regulations of the service, also with a box of apparatus for fractures and dislocations.

The Surgeon of the corps has a full set of capital instruments; the Senior Assistant a portable set; the Surgeon and the three Assistants each a case of pocket instruments, and a case of lancets: there is likewise, for general use, a set of cupping instruments and a stomach pump.

to be transported along an irregular broken or sloping road, or over a country where no roads exist.

The slightly wounded, as will be seen on reference to plate 1, are accommodated towards the front of the carriage, placed back to back, separated from each other by wooden partitions, and prevented from falling outwards by each compartment being provided with a chain covered with leather, to be passed across the chest, when the seat is occupied, with a view as well to safety as support. The badly wounded, extended on elastic stretchers, six feet six inches long, and two feet wide, are placed behind, and, as already stated, in separate compartments (see plate 2), into or out of which the stretchers glide with facility, from their being provided with rollers. Each of the compartments is fitted with a ventilator from end to end, which can be closed or opened by the person lying on the stretcher.

A waterproof roof, supported on wood-hoops, covers the body of the carriage, and under it is a depository for firelocks, knapsacks, caps, accoutrements, &c. There is also under the seats for the slightly wounded men, a large capacious locker, in which may be placed water sacks—for barrels soon become useless, especially if exposed to weather and sun—bedding, and other articles, which the medical officers of the army may consider as likely to be useful; and under the hinder part of the waggon is a convenient box in which medicines, instruments, &c., can be carried if required.

At the back part of each vehicle, there are two iron brackets, which fold down to support a stretcher, and so afford the means of forming a convenient table. This plan, I from the first preferred, to one which was strongly urged on me, namely, to form a table by placing a stretcher across two panniers.

SECOND SUPPLY, NOW BEING EMBARKED.

	lb.	oz.
Acaciæ: contrit:	40	0
Acid: Acetic:	40	0
—— Hydrochlor:	8	0
—— Nitric:	8	0
—— Sulphuric:	8	0
—— Tartar: contrit:	34	0
Ætheris sulphuric:	16	0
Aloes	8	0
Alum:	8	0
Ammoniac:	8	0
Ammoniaë Hydrochlor:	8	0
—— Sesquicarb:	40	0
Amyli	50	0
Anthemidis	34	0
Antimon: Potassio-tartr:	8	0
Argenti Nitrat:	6	0
Calcis chlorinat:	100	0
Camphor:	14	0
Ceræ: albæ	6	0
Cerat: Calaminæ	660	0
—— Cetacei	330	0
—— Resinæ	34	0
Chloroform	60	0
Confect: Aromatic:	16	0
—— Opii	16	0
—— Rosæ gallicæ	16	0
Copaib:	84	0
Creasot:	2	0
Cretæ ppt.	16	0
Cubeb: Contrit:	34	0
Cupri Sulph:	6	0
Emplastr: Cantharidis	166	0
—— Hydrarg:	6	0

	lb.	oz.
Emplastr: Plumbi	16	0
———— Resinæ	250	0
Extract: Belladonnæ	2	0
———— Colocynth: Comp:	34	0
———— Conii	4	0
———— Hyosciami	4	0
———— Sarzæ	34	0
Ferri Sulph:	4	0
Hydrarg: Bichlorid:	2	0
———— Chlorid:	34	0
———— Cum Cretæ	10	0
Iodin:	4	0
Ipecacuanhæ contr:	26	0
Jalapæ contr:	50	0
Lini Semin: Farin cwt.	10	0
Liniment: Saponis:	80	0
Liquor: Ammon:	16	0
———— Plumbi Diacetat:	50	0
———— Potass: Arsenit:	4	0
———— Sodæ chlorinat:	50	0
Magnesia	4	0
———— Carbon:	8	0
———— Sulphat: cwt.	14	0
Morph: Acetat:	3	0
———— Hydrochlor:	3	0
Ol: Menthæ piperatæ	3	0
—— Olivæ	80	0
———— secund:	80	0
—— Ricini	320	0
—— Terebinthinæ	80	0
—— Tiglii	0	8
—— Morrhuæ	32	0
Opii duri contrit:	10	0
Pilul: Aloes cu Myrrh:	6	0
—— Hydrargyri	34	0
—— Scillæ Comp:	4	0

	lb.	oz.
Pilul: Hyd: Iodid:	2	0
Plumbi Acetat:	16	0
Potass: Acet:	8	0
—— Bitartr: Contr:	70	0
—— Nitrat:	50	0
Potassii Iodid:	16	0
Pulv: Antimonii comp:	10	0
——— Jacobi	6	0
—— Cretæ comp:	34	0
——— cu Opio	34	0
—— Ipecacuanhæ comp:	50	0
Quinæ Disulph:	44	0
Cinchoniæ Disulph:	14	0
Rhei contrit:	34	0
Secale Cornut:	2	0
Scammon: Contrit:	4	0
Scillæ recens exs: Contr:	6	0
Sennæ	70	0
Sinap: Contrit:	34	0
Sodæ Biborat:	4	0
—— Potassio-tart: Contr:	42	0
—— Sesquicarb:	34	0
Spirit Æther: Nitric:	34	0
——— Sulph: C.	34	0
—— Ammom: Arom:	14	0
—— Rectificat:	Imperial Pints	130
Syrup Ferri Iodid	3	0
Tinct: Camphor: Comp:	50	0
—— Cardam: Comp:	50	0
—— Catechu Comp:	34	0
—— Colchici	16	0
—— Digitalis	6	0
—— Ferri Sesquichlor	6	0
—— Gentain: Comp:	16	0
—— Guaiac: Comp:	16	0
—— Hyosciam:	16	0
—— Iodin: Comp:	16	0
—— Myrrh:	20	0
—— Opii	80	0

	lb.	oz.
Tinct : Rhei comp:	80	0
—— Scillæ	34	0
Tinct : Sennæ comp:	34	0
—— Colchici Comp:	14	0
—— Matico	1	0
Vin : Colchici	16	0
—— Ipecac:	16	0
—— Opii	10	0
Ung : Hydrarg:	80	0
—— Nitrat:	8	0
—— Sulphur: Comp:	42	0
Zinci Sulph:	8	0
Zingiber: Contrit:	16	0

INSTRUMENTS, SURGICAL MATERIALS, &c.

Capital Instruments	10 sets
Ditto, portable	46 „
Pocket Instruments	33 „
2 oz. Narrow Mouth Square Stopped	
Bottles	6 doz.
4 oz. ditto ditto	4 „
8 oz. ditto ditto	2 „
½ oz. Stopped Bottles	2 „
1 oz. ditto	2 „
2 oz. ditto	2 „
1 oz. Wide Mouth Vials	4 „
2 oz. ditto	4 „
4 oz. ditto	4 „
8 oz. ditto square	4 „
Lint. Bowen's	} 800 lbs.
—— Fine	
—— Second	

Surgeon's Tow	1,000
Old Linen Sheets	180
Skins of Leather	180
Linen spread with adhesive plaster	400 yards
Calico spread with adhesive plaster	300 "
Oiled Cloth	80 "
Isinglass Plaster on Linen	34 "
Pins	80 papers
Scales and Weights, Grain	10 sets
————— Ounce	10 "
————— Pound	4 "
————— Two Pound	4 "
Measures, Graduated Minim	20 "
————— Two oz.	40 "
————— Pint	2 "
————— Eight oz.	2 "
————— Half Pint, Pewter	10
————— Pint	10
————— Quart	10
Bolus Tiles	16
Mortars and Pestles, Composition, Small	10
————— Ditto, Middle sized	8
Tin Panakins	16
Cord, Laid	16 lbs.
— Box	32 "
Copper Decoction Pots, Quart	10
Pill Boxes, Paper	140 papers
Horn Cups	20
Gallipots, in sorts	60 doz.
Vials, $\frac{1}{2}$ oz.	10 "
— 1 oz.	10 "
— 2 oz.	10 "
Bottles, 3 oz.	10 "
— 4 oz.	10 "
— 6 oz.	10 "
— 8 oz.	10 "
— 12 oz.	10 "
Glass Funnels	6
— Eye-baths	10
Shives	4 gross
Corks, Vial	20 "
— Pint	4 "
— Quart	2 "
— Bunges in sorts	4 "
Bed Pans, Pewter	20

Urinals, Pewter	.	.	.	.	.	6
Packthread	.	.	.	.	.	14 lbs.
Wax Candles	.	.	.	.	.	20 „
Dressing Trays	.	.	.	.	.	30

CHESTS OF MEDICINES.

Detachment Chests	.	.	.	.	.	10
Small Ditto	.	.	.	.	.	20

