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10428

MILITARY ADMINISTRATION

AND

STAFF DUTIES.



TABLES AND DATA

FOR THE USE OF

STAFF COLLEGE OFFICERS.

COMPILED BY LIEUT.-COLONEL J. S. ROTHWELL
(Professor of Military Administration and Staff Duties).

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|---|--|
| Section I. Field Establishments. | Section IV. Billets, Camps,
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SECTION I.

FIELD ESTABLISHMENTS.

*(For additional particulars vide Field Army Establishments,
issued with Army Order No. 325, dated July 1888.*

INFANTRY UNITS.

	Battalion.	Detail left at Base (a).	Company in the Field.	Detachment with 2 Machine Guns.		Signal-ers.		Mounted Infantry.			Remarks.
				Mounted Company.	Dismounted Company.	Mounted Company.	Dismounted Company.	Battalion (8 Companies).	Detail left at Base (a).	Company in the Field.	
<i>Officers and Men.</i>											
Officers	30*	1†	3	1	1	1	48*	1†	5	(a) To be deducted from Battalion Establishment to obtain Field Strength.	
Warrant Officers and Sergeants	50	4	5	1	2	2	58	2	6		
Drummers and Buglers	16	...	2	...	...	...	16	...	2
Pioneers and Artificers	13	...	...	...	...	...	42	...	5(b)
Band	20	...	...	...	...	...	...	...	...
Corporals	41	...	5	2	29	29	48	...	6		
Privates	894	90	108	5	...	...	801	9	99(c)
Privates as Drivers	32	...	1	4	...	...	59	...	7
„ Wagonmen ... ..	...	...	...	...	...	...	28	...	3
Total all ranks	1,096	95	124	13	32	32	1,100	12	133		(c) 7 belong to dismounted party.
<i>Horses and Pack Animals.</i>											
Officers' (Private)	7‡	3	1	13§	(d) Horses and drivers for these carts are provided by C and T Company with Army Corps Head Quarters.	
„ (Public)	1	...	...	...	...	...	83§	...	10
Riding	1	...	...	...	30	...	876	...	109
Draught	58	...	2	8	...	...	116	...	14
Pack Animals... ..	8||	...	...	...	...	...	1	...	...
Total all kinds	70	...	2	8	33	1	1,089	...	119		
<i>Wagons, Carts, &c.</i>											
Wagons { G.S. (4-horse)	11¶	23**	...	2	(d) Horses and drivers for these carts are provided by C and T Company with Army Corps Head Quarters.	
„ { Cavalry Ammunition (4-horse) ... ..	...	...	...	...	...	...	5	...	1
„ { Ammunition (2-horse)	4	...	1	1	...	...	...	...	...
Carts { Forage (2-horse) ... ..	...	...	...	1	4(†)	4(†)	...	...	...
„ { Intrenching Tool (2-horse)	1	...	...	...	...	...	...	...	...
Machine Guns (2-horse) ... ..	...	...	...	2	...	...	...	...	...
Total vehicles	16	...	1	4	4	4	28	...	3		

* 1 Lieut.-Col.; 1 mounted Major, 3 dismounted Majors, 5 Captains, 16 Subalterns, 1 Adjutant and 1 Quartermaster, with 1 Paymaster and 1 Medical Officer attached. In Mounted Infantry 1 Lieut.-Col., 1 Major, 8 Captains, and 32 Subalterns, Adjutant, and Quartermaster, with 2 Veterinary Surgeons attached in addition to Paymaster and Medical Officer.

† The Paymaster; a Subaltern from one of the Companies of an Infantry Battalion is also detached and left at Base. The Paymaster on being left at Base does not draw forage.

‡ 2 for Lieut.-Col.; 1 each for Major, Adjutant, Quartermaster, Paymaster, and Medical Officer.

§ 3 each for Lieut.-Col. and Major; 2 each for Captains, Subalterns, Adjutant, Medical Officer, and Veterinary Surgeons; 1 each for Quartermaster and Paymaster.

|| 2 for Ammunition, 1 for Medical panniers.

¶ 2 for Headquarters, 4 for Companies, 2 for Supply, and 3 for Tents.

** 2 for Headquarters, 8 for Companies, 8 for Supply, 3 for Tents, and 2 for Forges.

CAVALRY UNITS.

	Regiment.	Detail left at Base (a).	Squadron in the Field.	Detachment with 2 Machine Guns.	Remarks.
<i>Officers and Men.</i>					
Officers	32*	1†	6	1	(a) To be deducted from Regimental Establishment to obtain Field Strength.
Warrant Officers and Sergeants	43	3	3	2	
Trumpeters	8	...	2	...	
Artificers	22	...	4	...	
Band	15	...	...	...
Corporals	32	...	8	...	
Privates	479	43	109(b)	8	
Privates as Drivers	35	...	7	7	
Total all ranks	666	47	144	18	
<i>Horses and Pack Animals.</i>					
Officers' (Private)	89‡	...†	18	3	
Troop Horses	456	...	112	4	
Draught Horses	68	...	14	14	
Pack Animals	1§	...	...	...
Total all kinds	614	...	144	21	
<i>Wagons, Carts, &c.</i>					
Wagons { Cavalry Ammunition (4-horse) ...	4	...	1	2	
{ Forge (4-horse)	1	...	...	...
{ G.S. (4-horse)	9¶	...	2	...	
Carts—Forge (2-horse)	6¶	...	1	1	
Machine Guns (4-horse) ... ..	...	...	...	2
Total vehicles	20	...	4	5	

* 1 Lieut.-Col., 3 Majors, 6 Captains, 16 Subalterns, Adjutant, and Quartermaster; with 1 Medical Officer, 1 Paymaster, and 2 Veterinary Surgeons attached.

† The Paymaster. This officer does not draw forage when left at Base.

‡ Quartermaster and Paymaster 1 each, Medical Officer and Veterinary Surgeons 2 each, all other officers 3 each.

§ For Medical panniers.

¶ 1 for Headquarters; 4 for Squadrons; 4 for Supply.

¶ 2 for Headquarters (supply and tents); 4 for Squadrons (tents).

ARTILLERY UNITS.

	12 Pounder Batteries.		Ammunition Columns.				Regimental Staff of Corps Artillery.	Remarks.
	B. H. A.	Field.	Infantry Division.	Cavalry Division.	Army Corps.			
					1st Section.	2nd, 3rd, and 4th Sections.		
<i>Officers and Men.</i>								
Officers	7*	7*	5†	6‡	7§	4§	6||	
Staff-Sergeants and Sergeants	9	9	9	9	9	9	3	
Trumpeters	2	2	2	2	2	2	3	
Artificers	9	8	11	11	11	11	...	
Corporals	6	6	6	6	6	6	...	
Bombardiers... ..	6	6	6	6	6	6	...	
Gunners	74	76	48	48	48	48	12	
Drivers	73	63	103	91	102	121	...	
Total all ranks ...	186	177	190	179	191	207	21	
<i>Horses.</i>								
Officers' (Private)	15	3	2	3	4	1	15	
" (Public) ... ..	...	5	4	4	4	4	...	
Riding Horses	62	23	21	32	21	21	...	
Draught Horses	116	110	194	168	188	232	...	
Total all kinds ...	193	141	221	207	217	268	15	
<i>Guns, Wagons, and Carts.</i>								
Guns (6-horse)	6	6	...	...	...	...	...	{ (a) 1 six-horse. (b) 9 six-horse. (c) all six-horse. (d) 13 six-horse. (e) 33 six-horse.
Ammunition Wagons (6-horse)	6	6	6	12	10	...	...
Forge Wagons (6-horse) ...	1	1	1	1	1	1	...	
Ammunition and Store Wagons (4-horse)	2(a)	2	11(b)	5(c)	16(d)	35(e)	...	
Store Wagons with Limber (4-horse)	1	1	...	...	...	...	...
Artillery Wagons (4-horse) ...	3	3	...	...	...	...	...
Spare Gun Carriages (4-horse) ... ..	...	...	1	1	4	...	...
Small Arm Ammunition Carts (2-horse) ... ..	...	...	34	...	...	...	...
Small Arm Ammunition Wagons (4-horse) ...	...	...	...	10	...	...	...
Total vehicles ...	19	19	53	29	31	36	...	

* 1 Major, 1 Captain, and 3 Subalterns, with 1 Veterinary Surgeon attached; 1 Medical Officer is also attached to one of the 3 Field Batteries of an Infantry Division, or 2 of an Army Corps, and to one of the 3 H. A. Batteries of an Army Corps.

† 1 Major, 2 Subalterns, and 1 Quartermaster, with 1 Veterinary Surgeon attached. This unit is in medical charge of the Surgeon attached to the Engineer Field Company of the Division.

‡ As in Infantry Division, but with Medical Officer attached.

§ 1 Major, 2 Subalterns, and 1 Quartermaster. One Medical Officer in charge of 4 sections, and 2 Veterinary Surgeons, each in charge of 2 sections, are attached to 1st Section.

|| 1 Colonel Commanding Corps Artillery, and Adjutant; 1 Lieut.-Colonel Commanding Horse Artillery, and Adjutant; 1 Lieut.-Colonel Commanding Field Artillery, and Adjutant.

ENGINEER UNITS.

	Field Company.	Mounted Detachment.	Pontoon Troop.	Telegraph Battalion.—H. Q. and 4 Sections.	Field Park.	Regimental Staff of Corps Engineers.	Remarks.
<i>Officers and Men.</i>							
Officers	7*	4	5†	6‡	1	2§	
Staff Sergeants and Sergeants	2	5	5	7	1	...	
{ Mounted	6	...	3	5	...	1	
{ Dismounted	1	3	2	4	...	...
Trumpeters: Mounted	1	...	...	...	...	...
Buglers: Dismounted	1	1	3	5	2	...	
Artificers { Mounted ... ..	...	...	10	...	2	...	
{ Dismounted	3	6	8	8	3	...	
Corporals { Mounted	15	1	12	13	...	...
{ Dismounted ... ..	...	60	...	...	...	...
Sappers { Mounted	132	11	56	86	5	...	
{ Dismounted	44	26	96	111	31	5	
Drivers	5	...	16	...	...	...
Wagonmen ... ..	...	...	...	...	...	...
Total all ranks	217	117	216	245	45	8	
<i>Horses and Pack Animals.</i>							
Officers' (Private)	13	8	8	12	1	4	
Riding Horses	5	81	14	31	3	...	
Draught Horses	46	24	168	128	46	2	
Pack Animals	6||	6	...	...	...	...
Total all kinds	70	119	190	171	50	6	
<i>Wagons and Carts.</i>							
G. S. { For Technical Equipment	2(a)	...	2(a)	4	8	7(a)	(a) 4-horse.
Wagons { (6-horse) ... ..	...	...	5	6	6	...	
{ For Supply (4-horse) ... ..	...	...	1	...	...	...
{ For Forge (4-horse)	2(a)	...	20	...	...	...
Pontoon and Trestle Wagons (6-horse)	...	...	...	12	...	...
Telegraph { Air line (8-horse) ... ..	...	...	...	...	8	...	
{ Cable (4-horse) ... ..	...	...	...	...	...	...
Lithographic and Printing Wagons (4-horse) ... ..	...	...	...	...	2	...	
Forage { For baggage, tents, &c... ..	5	6	...	...	3	1	
Carts { For Technical Equip-	4(b)	3(b)	...	...	...	...	(b) Tyler's, 4-horse.
{ ment ... ..	...	...	...	...	...	...
Total vehicles	13	9	28	22	22	12	1

* 1 Major, 1 Captain, and 4 Subalterns, with 1 Medical Officer attached. N.B.—This Officer has also medical charge of the Divisional Ammunition Column.

† 1 Captain and 2 Subalterns, with 1 Medical Officer and 1 Veterinary Surgeon attached.

‡ 1 Major, 1 Captain or Lieutenant, and 4 Subalterns.

§ 1 Lieutenant-Colonel and 1 Lieutenant.

|| 5 for Pack Transport, and 1 for Medical panniers.

STAFF UNITS.

	Infantry Brigade.			Cavalry Brigade.			Infantry Division.			Cavalry Division.			Army Corps.			Remarks.	
	Officers.	Clerks.	N.C.O.'s, Privates, Horses.	Officers.	Clerks.	N.C.O.'s, Privates, Horses.	Officers.	Clerks.	N.C.O.'s, Privates, Horses.	Officers.	Clerks.	N.C.O.'s, Privates, Horses.	Officers.	Clerks.	N.C.O.'s, Privates, Horses.		
Generals Commanding	1	1	3	1	1	4	1	1	3	4	1	1	1	1	5	6	Staff Baggage is allowed on the following scale:— Lbs. Generals 200 Lieut.-Generals 150 Maj.-Generals or Brigadiers 100 Field Officers 80 Other Officers 50 Clerks and Interpreters 20 Servants 12 Stationery and books... 65 (a) Public horses.
Aides-de-Camp	1	1	3	2	2	6	2	2	4	6	2	2	4	8	12	6	
General Staff...	1	1	2	2	3	9	3†	3†	4	9	3†	3†	4	5	12	18	
Artillery Staff	...	...	...	2	1	4	2	1	4	5	2	1	4	6	7	7
Engineer Staff	...	...	...	2	1	4	...	...	...	...	...	...	...	...	6	7
Commandant at H.Q.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1
Provost-Marshal	...	...	...	1	...	1	...	...	...	2	2	...	...	...	1	1
Commissariat Staff	...	...	...	1	...	1	...	...	...	...	...	...	...	...	2	2
Ordnance Store Staff	...	...	...	1	1	1	...	...	...	...	...	...	...	...	...	...
Medical Staff...	...	...	...	3	3	3	3	3	3	5	3	3	3	3	4	6
Veterinary Staff	...	...	...	1	1	1	...	...	...	...	...	...	...	...	2	2
Chaplain's Department	1*	1*	1*	1	1	2	1	1	2	2	1	1	1	1	1	1	
Military Mounted Police	...	...	...	2	...	2	1	1	1	1	1	1	2	...	2	2
Police & Foot	...	...	...	...	...	10(a)	...	...	...	10	10(a)	1*	...	...	11*	12(a)
Post-Office Corps	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Interpreters	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7*	...
	...	...	...	...	...	...	...	...	...	...	2(a)	...	...	...	8*	...
Total all ranks and number of horses	4	1	23	4	1	16	14	7	43	...	30	16	88	...	78	...	
				18	10	48	64	46	46	...	134	...	...	...	...	...

* Attached.

† 1 A.A. General, and 2 D.A.A. Generals.

‡ 1 D.A. General, 2 A.A. Generals, and 3 D.A.A. Generals.

§ This Staff is included in the establishments of the C. and T. Companies attached to the various units. § Commanding Officer, Aide-de-Camp, and Brigade-Major.

COMMISSARIAT AND

	Company with Infantry Brigade.				Company with Cavalry Brigade.				Company for Medical Services of two Cavalry Brigades.						
	Company.		Supply Column.		Company.		Supply Column.		1st Brigade.			2nd Brigade.			
									Half Company and Headquarters.			Half Company.			
									Supplying Transport.			Supplying Transport.			
	Commissariat.	Transport.	Commissariat.	Transport.	Commissariat.	Transport.	Commissariat.	Transport.	For Bearer Company.	For Field Hospital.	Supply Column.	H. Q. of Company and Spare.	For Bearer Company.	For Field Hospital.	Supply Column.
<i>Officers and Men.</i>															
Officers... ..	1	3*	...	1	2	3*	...	1	1	...	...	1	1	...	...
Warrant Officers and Sergeants	2	10	1	3	3	7	1	6	1	2	...	4	1	2	...
Artificers ... ..	...	17	...	2	...	7	...	3	2	1	...	6	2	1	...
Buglers ... ..	...	2	...	2	...	...	...	1	1	...	...	...	1	...	...
Corporals	3	6	...	2	3	3	1	4	2	2	1	1	2	2	1
Privates	5	23	5	7	10	20	2	8	5	3	...	...	3	3	...
„ as Drivers ...	...	67	...	38	...	20	...	64	29	18	4	24	29	18	4
	11	127	6	53	18	60	4	86	41	26	5	36	41	26	5
	}				}				108			72			
Total all ranks ...	197				168				180						
<i>Horses.</i>															
Officers (Private) ...	1	1	...	...	3	1	...	...	...	...	...	...	...	...	...
„ (Public) ... ..	...	...	...	1	...	2	...	1	1	...	...	1	1	...	...
Riding ... ..	...	15	...	4	...	7	...	9	4	3	1	6	4	3	1
Draught ... ..	...	134	...	76	...	40	...	128	58	36	8	22	58	36	8
	1	152	...	81	3	50	...	138	63	39	9	29	63	39	9
	}				}				140			111			
Total all kinds ...	234				191				251						
<i>Wagons and Carts.</i>															
Carts	Forage (2-horse) ...	2	...	...	2	...	...	...	...	...	...	...	...	...	...
	Water (2-horse) ...	1	...	...	1	...	...	...	...	...	...	...	...	...	...
Wagons	G. S. (4-horse) ...	6	19	...	4	32	...	...	1	1	2	1	1	1	2
	Forge (4-horse) ...	1	...	...	1	...	...	...	...	...	...	1	...	...	...
	10	19	...	...	8	32	...	...	1	1	2	2	1	1	2
	}				}				6			4			
Total vehicles ...	29				40				10						

* Including 1 Veterinary Surgeon attached.

† If the Cavalry Brigade consists of 4 Regiments,

TRANSPORT UNITS.

Company with Infantry Division.				Company with Cavalry Division.				Company with Army Corps H.Q. and Corps Details.				Two Companies forming Two Bakery Columns.	
Company.		Supply Column.		Company.		Supply Column.		Company.		Supply Column.			
Commissariat.	Transport.	Commissariat.	Transport.	Commissariat.	Transport.	Commissariat.	Transport.	Commissariat.	Transport.	Commissariat.	Transport.	Commissariat.	Transport.
2	4*	...	1	2	5*	...	1	4	4*	...	1	4	7*
5	10	1	3	5	10	1	3	6	10	1	5	16	23
...	7	...	2	...	7	...	2	...	6	...	5	...	18
...	...	...	1	...	...	...	1	...	...	...	1	...	4
3	5	...	2	3	5	...	2	5	6	...	4	34	14
6	24	3	6	6	24	3	6	10	29	5	7	188	87
...	45	...	34	...	45	...	60	...	64	...	94	...	224
16	95	4	49	16	95	4	75	25	119	6	117	242	382
164				190				267				624	
3	3	...	...	3	3	...	...	5	3	...	...	4	1
...	2	...	1	...	2	...	1	...	2	...	1	...	6
...	12	...	5	...	12	...	5	...	11	...	7	...	46
...	90	...	68	...	90	...	120	...	128	...	188	...	448
3	107	...	74	3	107	...	126	6	144	...	196	4	501
184				236				346				505	
1	...	...	...	1	...	...	...	2	...	...	...	...	...
1	...	...	...	1	...	...	...	1	...	...	...	...	12
9	17	...	...	9	30	...	...	14	47	...	...	...	88
1	...	...	...	1	...	...	...	1	...	...	...	...	2
12	17	...	...	12	30	...	...	18	47	...	...	...	112
29				42				65					

this Supply Column will be increased by 18 Drivers, 36 Draught Horses, and 9 G.S. Wagons.

MEDICAL UNITS.

		Transport attached from Commissariat and Transport Company.			
		Bearer Company.	Field Hospital		
<i>Officers and Men.</i>					
Medical Officers	3*	4†	Officers	1	...
Quartermaster ... ..	...	1	Warrant Officers and Sergeants	1	2
Warrant Officers and Sergeants	7	8	Artificers	2	1
Buglers	1	...	Buglers	1	...
Corporals	6	4	Corporals	2	2
Privates	15	14	Privates	5	3
Privates as Bearers	32	...	Drivers	29	18
Privates as Ward Orderlies ... ..	...	14			
Total all ranks	64	45	Total all ranks	41	26
<i>Horses.</i>					
Officers' (Private)	3	5	Officers' (Public)	1	...
Riding	1	1	Riding	4	3
Draught... ..	...	...	Draught	58	36
Total all kinds	4	6	Total all kinds	63	39
<i>Wagons, Carts, &c.</i>					
Wagons { For Equipment	1	2	Wagons G.S. (4-horse)	1	1
" Medical Stores	1	...			
" Medical and Surgical Equipment ... ..	...	4			
Ambulances (4-horse)... ..	10	...			
Carts { Forage (2-horse)	2	2			
Water (2-horse)	1	2			
Total vehicles	15	10	Total vehicles	1	1

* 1 Surgeon-Major and 2 Surgeons.

† 2 Surgeons-Major and 2 Surgeons.

AN INFANTRY BRIGADE ON WAR STRENGTH.

Composition.	Officers and Men.		Horses and Pack Animals.			Machine Guns (2-horse).	Carriages.			Total Vehicles, Guns Included.	Remarks.
	Officers.	Total all Ranks.	Officers.	Troop, Draught, and	Total all kinds.		Carts (2-horse).	Wagons, various (4-horse).	Wagons, various (6-horse).		
Staff of Brigade ...	4	28	8	..	8	The tents (10) and baggage of the Brigade Staff are carried in 1 forage cart and 1 G.S. wagon furnished by the Brigade Commissariat and Transport Company. Draught horses and drivers supplied by the Commissariat and Transport Company.
4 Battalions ...	112	4,000	28	248	276	..	44	..	64	64	
1 Machine Gun Detachment ...	1	13	..	8	8	2	2	..	4	4	
1 Company Commissariat and Transport Corps	5	197	5	229	234	..	3	26	29	29	
1 Bearer Company ...	3	64	3	1	4	..	3	12	15	15	
1 Field Hospital ...	5	45	5	1	6	..	4	6	10	10	
Total with Field Force. ...	130	4,347	49	497	536	2	32	88	122	122	
Remaining at Base ...	8	384	..	..	..	..	..	..	..	..

A CAVALRY BRIGADE ON WAR STRENGTH.

Composition.	Officers and Men.		Horses and Pack Animals.			Carriages.			Total Vehicles, Guns included.	Remarks.
	Officers.	Total all Ranks.	Officers.	Troop, Pack, and Draught.	Total all kinds.	Machine Guns (4-horse).	Carts (2-horse).	Wagons, various (4-horse).		
Staff ...	4	21	12	6	18	...	18	...	...	...
3 Regiments*	93	1,857	264	1,575	1,839	2	1	42	...	60
1 Machine Gun Detachment	1	18	3	18	21	...	1	2	...	6
1 Company Commissariat and Transport Corpst.	6	163	7	184	191	...	3	27	...	40
† ditto for Medical Services (1st Brigade)	2	108	2	138	140	...	...	6	...	6
1 Beazer Company	3	64	3	1	4	...	3	12	...	15
1 Field Hospital	5	45	5	1	6	...	4	6	...	10
Total with Field Force	114	2,281	296	1,923	2,219	2	29	105	...	136
Remaining at Base	3	141	...	...	...	...	...	...	...	...

* When two Army Corps are in the field there will be four Regiments in each Cavalry Brigade.

† In a Brigade of four Regiments, this unit has an increased establishment (see page 10).

The tents (8) and baggage of the Brigade Staff are carried in 2 G.S. wagons furnished by the Brigade Commissariat and Transport Company.

A CAVALRY DIVISION ON WAR STRENGTH.

Composition.	Officers and Men.		Horses and Pack Animals.		Machine Guns (4-horse).	Guns (6-horse).	Carriages.			Total Vehicles, Guns Included.	Remarks.
	Officers.	Total all Ranks.	Officers.	Troop, Pack, and Draught.			Wagons, various (4-horse).	Wagons, various (6-horse).	Carts (2-horse).		
Staff	14	64	34	12	46	..	..	..	..	..
2 Cavalry Brigades	227	4,626	682	3,827	4,409	4	..	203	..	270	
2 Batteries Horse Artillery	14	372	30	356	386	..	12	10	16	33	
1 Mounted Detachment R.E.	4	117	8	111	119	..	..	9(a)	..	9	
1 Battalion Mounted Infantry	47	1,088	95	993	1,088	..	..	28	..	28	
1 Machine Gun Detachment	1	18	3	18	21	2	..	1	2	5	
Divisional Ammunition Column	6	179	7	200	207	..	..	..	11	29	
1 Company C. and T. Corps	7	190	9	227	236	..	..	2	40	42	
1 Field Hospital	5	45	5	1	6	..	..	4	6	10	
Total with Field Force	325	6,599	773	5,745	6,518	6	12	74	305	34	431
Remaining at Base	7	294	..	..	..	..	..	..	..	..	..

The tents (17 and 1 marquee) and baggage of the Divisional Staff are carried in 4 G.S. wagons furnished by the Commissariat and Transport Company.
(a) Of these, 3 are 4-horse.

AN ARMY CORPS ON WAR STRENGTH.

(1657)

Composition.	Officers and Men.		Horses and Pack Animals.		Machine Guns (2-horse).	Guns (6-horse).	Carriages.			Total Vehicles, Guns Included.	Remarks.	
	Officers.	Total all ranks.	Officers.	Troop, Pack, and Draught.			Total all kinds.	Carts (2-horse).	Wagons, various (4-horse).			Wagons, various (6-horse).
Staff	30	131	66	12	78	12	54	330	723	111	1,230	The tents (44 and 1 marquee) and baggage of the A. C. Staff are carried in 9 G. S. Wagons, and 1 Forage Cart furnished by the C. and T. Company.
3 Divisions of Infantry	981	30,177	621	5,871	6,492	12	54	330	723	111	1,230	
Corps Cavalry (H. Q., and 1 Squadron)	13	187	34	147	181	...	...	3	5	...	8
Regimental Staff	6	21	15	...	15	...	...	...	...	...	...
Corps { 3 Horse Artillery Batteries	19	556	41	534	575	...	18	...	18	21	57	
Artillery { 2 Field Batteries	13	353	15	266	281	...	12	...	12	14	38	
{ A. C. Ammunition Column	19	812	23	993	991	...	...	...	129	10	139
Regimental Staff	2	8	4	2	6	...	...	1	...	...	1
Field Company	7	217	13	57	70	...	...	5	8	...	13
Footeon Troop	5	216	8	152	190	...	...	...	6	22	23
Engineers { H. Q. and Half Telegraph Battalion	6	245	12	159	171	...	...	...	...	6	16
{ 1 Battalion	1	45	1	49	50	...	...	3	9	...	12
Corps { Field Park	28	1,000	6	63	69	...	...	5	11	...	16
Infantry { 1 Battalion	13	...	...	8	8	...	...	2	...	...	4
{ 1 Machine Gun Detachment	64	...	4	30	34	2	...	...	...	...	8
Corps { 2 Companies Signallers	9	267	11	335	346	...	...	3	62	...	65
C. and T. { 1 Company for A. C. Details	11	624	11	494	503	...	...	12	100	...	112
{ 2 Bakery Columns	5	45	5	1	6	...	...	4	6	...	10
1 Field Hospital	...	...	...	...	...	...	...	...	...	...	...
Total with Field Force	1,158	34,984	890	9,178	10,068	14	84	376	1,095	194	1,763	
Remaining at Base	51	2,447	...	...	...	...	...	...	...	...	...

B

SECTION II.—LINE OF COMMUNICATIONS.

On an assumed line of 100 miles of river, 50 miles of railway, and 50 miles of road there would be required :—

Staff.

4 Battalions Infantry (each with two machine guns).

1 Regiment Cavalry.

2 Batteries Field Artillery.

1 Fortress Company Royal Engineers.

2 Railway Companies Royal Engineers.

6 Companies Commissariat and Transport Corps.

2 Companies Ordnance Store Corps.

8 Stationary Hospitals.

2 Base Hospitals.

1 Remount Depôt.

1 Sick Horse Hospital.

A force of Military Police, with the Army Pay Department, the Chaplains' Department, and the Post Office Corps, in addition.

There would also be a Naval Brigade, a Corps of Labourers, and a Corps of Interpreters.

Commissariat and Transport Corps.—One company would be at the Advanced Depôt, two on the Line of Communications, and two, with a depôt company, at the Base. Detachments for local supply, for the Reserve Depôt, for the General Hospitals, for the landing establishments, and for keeping accounts would also be maintained at the Base.

Ordnance Stores.—Principal depôt at Base, secondary at Advanced Depôt.

Hospitals.—One or more General Hospitals at Base, Stationary Hospitals at Advanced Depôt, and elsewhere as required.

Army Pay Department.—Usually at Base.

Remount Depôt.—At or near the Base.

Sick Horse Hospital.—At or near the Advanced Depôt.

ESTABLISHMENTS OF STAFF FOR LINE OF COMMUNICATIONS.

	Headquarters.			Base.			Advanced Depdt.			1st Class Station.			2nd Class Station.			Remarks.
	Officers.	Clerks.	N.C.O's, P'ts, Vants, &c.	Officers.	Clerks.	N.C.O's, P'ts, Vants, &c.	Officers.	Clerks.	N.C.O's, P'ts, Vants, &c.	Officers.	Clerks.	N.C.O's, P'ts, Vants, &c.	Officers.	Clerks.	N.C.O's, P'ts, Vants, &c.	
General Commanding	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Aides-de-Camp	2	..	3	..	..	..	..	..	..	..	..	..	..	..	..	..
Brigadier-General	..	..	4	..	..	..	..	..	..	..	..	..	..	..	..	..
Colonels on Staff	3*	..	6*	..	..	..	..	..	..	..	..	..	..	..	..	..
Orderly Officers	3*	..	6*	..	..	..	..	..	..	..	..	..	..	..	..	..
Field-Officer Commanding	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Second in Command	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Adjutants	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
General Staff	4†	..	8	..	..	..	..	..	..	..	..	..	..	..	..	..
Artillery Staff	2	..	4	..	..	..	..	..	..	..	..	..	..	..	..	..
Engineer Staff	2	..	4	..	..	..	..	..	..	..	..	..	..	..	..	..
Commissariat Staff	2	..	8	..	..	..	..	..	..	..	..	..	..	..	..	..
Ordnance Store Staff	2	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..
Medical Staff	2	..	4	..	..	..	..	..	..	..	..	..	..	..	..	..
Veterinary Staff	1	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..
Garrison Staff	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Pay Department	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Chaplains' Department	1*	..	6*	..	..	..	..	..	..	..	..	..	..	..	..	..
Military Police { Mounted	..	..	7(a)	..	..	..	..	..	..	..	..	..	..	..	..	..
Foot	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Post Office Corps	1*	..	6*	..	..	..	..	..	..	..	..	..	..	..	..	..
Interpreters	..	..	4*	..	..	..	..	..	..	..	..	..	..	..	..	..
Staff of Depot Battalion	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Regimental Officers attached	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total all ranks, and number of horses	28	21	63	33	36	100	18	25	135	4	1	8	2	1	4	..
	112			169			178			13			7			..
	65			44			33			6			2			..

† 2 A.A.G.'s and 2 D.A.A.G.'s.
 ‡ Attached.
 § D.A.A.G.
 ¶ Including P.M.O. of whole army in the field.
 ¶¶ 1 for Brigadier-General, 1 for Assistant Adjutant-General, 2 for Commissariat, 1 for Ordnance, 1 for Medical, 1 for Pay Department.

ESTABLISHMENTS OF VARIOUS UNITS ON LINE OF COMMUNICATIONS.

	Royal Engineers.		Commissariat and Transport Company.	Hospitals.		Ordnance Store Department (2 Companies).	Remount Depot.	Sick Horse Hospital.	Military Police.	
	Fortress Company.	Railway Company.		Stationary, 200 beds.	General, 500 beds.				Mounted.	Foot.
Officers	4	5	3	10	21	27	13	7	1	1
Warrant Officers and Sergeants	6	6	} 164	9	16	39	15	9	7	5
Buglers & Trumpeters	2	2		...	1	2	2	...	...	...
Artificers ... ..	...	...		...	8	12	20	10	...	...
Corporals	12	16		...	12	12	8	4	6	5
Privates... ..	100	118		...	58	115	256	129	44	40
Privates as Drivers	5	11	...	...	...	...	...	...	...
Nursing Sisters ... ..	...	...	...	...	11	...	...	...	...
Interpreter (attached)	...	...	...	...	1	...	...	...	...
Total all ranks ...	129	153	167	85	177	332	314	161	58	61
<i>Horses.</i>										
Officers' (private) ...	5	10	4	9	3	6	16	9	...	...
" (public) ... ..	...	...	...	...	...	...	...	...	1	1
Riding ... ..	...	...	17	...	...	...	200*	100*	57	...
Draught ... ..	...	...	200	...	...	...	400*	200*	...	...
Total all kinds ...	5	12	221	9	3	6	616	309	58	1
<i>Wagons and Carts.</i>										
Wagons, G.S.(4-horse)	...	...	32	...	...	...	...	...	...	...
" Forge(4-horse)	...	...	1	...	...	...	...	...	...	...
Ambulances (4-horse)	...	...	13	...	...	...	...	...	...	...
Carts { Water (2-horse)	...	...	1	...	...	...	...	...	...	...
{ Forge (2-horse)	...	1	...	...	...	...	...	...	...	...
Total vehicles ...	...	1	47	...	...	...	...	...	...	...

* Estimated numbers.

SECTION III.—MARCHES.

ROAD SPACES.

Rough rule : 1 yard for each horseman and for every two foot soldiers ; 20 yards for each vehicle.

If no allowance is made for opening out, 1 foot is sufficient for each Infantry soldier.

A 2-horse vehicle requires 10 yards	} Including 4 yards clear interval.
" 4 " " " 15 "	
" 6 " " " 19 "	

A single horse, mule, or pack animal requires 4 yards, and a camel 5.

Minimum width of road necessary for Cavalry in sections, 15 ft. ; for Infantry in fours and Artillery in column of route, 9 ft.

Minimum width of opening to allow guns to pass, 7 ft. 6 in.

Track of guns and military wagons (normal), 5 ft. 2 in. (outside).

Track of pontoon or wire wagon 5 ft. 10 in.

FORDS.

Maximum depth in inches : for Infantry, 36 to 42 ; for Cavalry, 52 to 56 ; for Artillery, 30 to 33 ; according as the stream is rapid or sluggish.

WEIGHTS.

A G.S. wagon, loaded, weighs about 45 cwt.*

A 12-pounder field gun and limber weighs about 36½ cwt., with no gunners mounted.

An ammunition wagon (full) weighs about 39 cwt., with no gunners mounted.

A horse weighs from 1,000 to 1,200 lbs. ; an Infantry man in marching order, 200 lbs. ; an armed man and horse 1,400 lbs.

* The wagon alone, fully equipped, weighs 24½ cwt.

ROAD SPACES, AND INTERVALS.

[Distances in Yards : no Allowance made for Opening Out.]

Unit.	Combatants and Baggage.				Interval left in Rear of Unit on the March.	Train.			Remarks.
	Fighting Portion, including all required for Action.	Heavy Baggage, - Remainder of Regimental Transport.	Total.	Interval left in Rear of Unit on the March.		1st Section, - All that may be required for Action.	2nd Section, - Remainder of Train.	Total.	
Infantry	Battn. (in fours) ...	190	540	30	...	...	...	(a) With 2 S.A. Ammunition Carts, 1 Tool Cart, and 3 Mules.
	Machine Gun Detachment ...	30	40	12	...	...	...	(b) With 4 Ammunition Wagons and 1 Mule.
	Mounted Inf. Battn. (in sections) ...	1000(b)	450	1450	30	...	...	(c) With 2 Ammunition Wagons and 1 Mule.
Cavalry	Regiment (in sections) ...	474(c)	296	770	30	...	...	(d) 6 Guns and 6 Ammunition Wagons.
	Squadron ...	110	50	160	12	...	...	If Detachments of R.H.A. are in half sections, 49 yards must be added.
	Machine Gun Detachment ...	50	10	60	12	...	...	(e) 6 Artillery Ammunition Wagons and 24 S.A. Ammunition Carts.
Artillery	Horse Artillery Battery (detachments in sections).	280(d)	133	413	30	...	...	(f) 12 Artillery Ammunition Wagons and 6 S.A. Ammunition Carts.
	Field Battery (12-pr.) ...	224(d)	121	345	30	...	...	(g) With 2 G.S. Wagons, 2 Pontoon Wagons, 4 Tyler's Carts, and 6 Mules.
	Ann. { Cav. Div. ...	...	...	...	30	350(e)	371	...
Engineers	Col. { Army Corps (1st section) ...	...	...	...	30	314(f)	217	...
	Field Company, (other sections) ...	...	...	...	30	...	...	...
	Mounted Detachment (in sections) ...	180(g)	74	254	30	...	...	...
	Pontoon Troop ...	132(h)	56	188	30	...	...	...
	Telegraph Battn. (H.Q. and 4 sections) ...	...	...	...	30	473(i)	83	...
Field Park ...	...	...	...	30	244(j)	180	...	
				12	...	...	176	

RATES OF MARCHING.

Arm.	Distance traversed in one hour.	Rate per minute.	Time required to traverse 1 mile.
	Miles.	Yards.	Minutes.
Infantry	2 $\frac{3}{4}$ *	88	20
Cavalry and Horse Artillery (trot)	8	235	7 $\frac{1}{2}$
Ditto (walk)	4	117	15
Ditto (trot and walk)	5	146	12
Field Artillery and Train	3*	96	18

* Allowing for a halt of five minutes in each hour.

A given point is passed in one minute—

By about 260 Infantry in fours.

„ 117 Cavalry in sections, at a walk, or if in rear of Infantry, about 88.

„ 5 guns, if in rear of Infantry.

„ 235 Cavalry, in sections, at a trot.

Supposing that in all cases the troops are fully closed up. From the numbers here given about 1-5th should be deducted in the case of Infantry, and about 1-10th in the case of the mounted branches when the troops are executing a march.

Opening Out.—Add 20 per cent. to the road space in case of good marchers; from 25 to 40 per cent. for indifferent marchers. The full amount of opening out will be reached when troops have been marching for 50 minutes.

SECTION IV.—BILLETS, CAMPS, AND BIVOUACKS.

BILLETS (FOR TROOPS ON THE MARCH).

Mansions, 15 rooms and upwards			100 to 250 men.
Villas, 10 to 15 rooms	....	....	40 to 60 „
Cottages, 4 to 10 „	....	....	10 to 30 „

In a continuous block of houses assign top storey to inhabitants : then allow one man per yard of front if house is one room deep, two if two deep. Deduct one-third of result for unavailable space.

In churches and schools allow one man per three square yards of floor space.

For officers allow at the rate of three billets for each.

In barns or outhouses allow one horse to four feet of length. If the building is 20 feet wide and upwards, a second row of horses may be accommodated. In outbuildings one horse requires the same floor space as two men.

CAMPS OR BIVOUACKS.

Dimensions in yards.

Distinguishing Letters.	Unit.	Front.	Depth.	Parade ground in addition to depth.
I.	Infantry Battalion	120	180	60
—	Ditto (minimum)	60	130	60
M.I.	Mounted Infantry, Half Battalion	170	200	60
C.	Cavalry Regiment (open order)	170	200	60
—	Ditto (minimum)	100	150	60
—	Squadron... ..	70	80	60
A.	Battery of Artillery (half interval)	70	160	} Parade ground to be added when possible.
Am. Col.	Divisional Ammunition Column	70	160	
—	Army Corps Ammunition Column (1 Section)	70	160	
E.	Engineer Field Company	50	150	
—	Section ditto, or Telegraph Section	50	50	
Pont.	Pontoon Troop	60	150	
—	Mounted Engineer Detachment	—	—	
—	Engineer Field Park	—	—	
C.T.	Commissariat and Transport Company	70	160	
B.C.	Bearer Company	60	160	
H.	Field Hospital	70	160	
1st Bdo.	Brigade Head Quarters	30	50	
2nd Div.	Divisional Head Quarters	50	80	
H.Q.	Army Corps Head Quarters	100	120	

Intervals to be left between units not less than 10 yards clear of tent ropes.
Distance from rear of one line to front of another not less than 100 yards.

DISTINGUISHING MARKS FOR CAMPS, &c.

Unit.	Flags by Day.	Lamps by Night (hung vertically).	
		No.	Colour.
Army Corps Head Quarters ...	Union Jack	3	Red, White, Red.
Divisional Head Quarters ...	Square: Red	2	Red.
Brigade Head Quarters ...	Triangular: Red	1	Red.
Commissariat and Transport Corps	Triangular: Blue, with White Disc	1	Green.
Ordnance Store Department...	Triangular: Blue, with Red Disc	2	Green.
Hospitals	Square: White, with Geneva Cross	3	White, Red, White.
Telegraph Office	Square: White and Blue	2	White and Green.
Post Office	Square: White and Red ...	2	White and Red.
Line of Communications Head Quarters	Square: Red, Blue, White, and Green Triangles	3	Red, White, Green.
Station Commandants ...	Square: Red and Green ...	2	Red and Green.
Ammunition Columns (Small Arm)	Square: Blue with White centre	3	Green.
Ammunition Columns (Artillery)	Square: Blue with Red Centre.	3	Green, Red, Green.

SECTION V.—SUPPLIES.

Forage.—Daily rations in England : 10 lbs. oats, 12 lbs. hay, 8 lbs. straw, or 32 lbs. hay, where no oats or bran are given ; 14 lbs. bran = 9 lbs. oats.

1	truss of straw	....	....	....	weighs	36	lbs.
1	"	hay	....	....	"	56	"
1	cub. yard of straw	(well pressed)			"	145	"
1	"	old hay	....	....	"	126	"
1	"	"	(well pressed)		"	220	"
1	"	new hay	....	....	"	84	"
1	"	oats	....	....	"	800	"

Oats run from 38 to 42 lbs. the bushel.

As a rough rule three cub. feet of hay are equivalent to a ration.

To calculate number of tons in a stack : (a) When the stack is rectangular in plan, multiply breadth by length by height (in yards), and divide by 12 for hay and 17 for straw. [N.B.—“Height” means the distance from the bottom to the eaves, *plus* one-third the distance from eaves to apex.] (b) When the stack is circular in plan, multiply circumference of base by half the radius, by height, and divide as explained above ; the “height” being as for a rectangular stack. If the eaves overhang considerably, so that the length of the sloping thatch equals the diameter of the base, the “height” may be taken as the full altitude of the stack.

Water.—Full daily allowance on land, 5 gallons per man and 10 per horse. For immediate requirements after a march, allow $\frac{1}{2}$ gallon per man. A horse drinks $1\frac{1}{2}$ gallons at a time, and takes three minutes to drink. At sea the minimum daily allowance is 6 pints per man in temperate regions, 1 gallon in tropics ; 8 gallons per horse, 6 gallons per mule or pony.

One cubic foot of water = $6\frac{1}{4}$ gallons, and weighs $62\frac{1}{2}$ lbs. A gallon weighs approximately 10 lbs.

Meat.—An average-sized ox will furnish rations for 300 men, a sheep for 45 men, and a pig for 110 men.

Wood.—One cubic foot of soft wood makes 10 rations.

Straw for Men's Bedding.—Ordinary allowance about one ton per Company.

Field Ration.— $1\frac{1}{2}$ lbs. bread or 1 lb. biscuit, 1 lb. meat, 4 oz. groceries. General rule, 4 lbs. gross per man per day. A G.S. Wagon carries about 21 cwt., or over 580 rations.

Rations.	Food.	Forage.	How conveyed.
Emergency and Unexpended Portion ... } Reserve (1 day's Groceries also) ... }	$1\frac{1}{2}$ 1	$\frac{1}{2}$...	Carried by Man or Horse. Head Quarters and Company Wagons.
Reserve (for Draught Horses only) ... } To Issue on Arrival in Camp ... } To Replace Issues ... }	... 1 1	1* 1† 1‡	Carried in their own Wagons. Regimental Supply Wagons. Brigade Supply Column.
Total with Brigade {	$4\frac{1}{2}$ and 1 day's Groceries.	$3\frac{1}{2}$ $2\frac{1}{2}$	For Draught Horses. " Riding "

* 20 lbs. patent forage.

† 12 lbs. corn.

‡ 12 lbs. corn and 12 lbs. hay.

DISTINGUISHING MARKS FOR MILITARY STORES.

Ammunition	Rifle	...	...	Red rectangle.
	Carbine	...	...	White rectangle on red rectangle.
	Revolver	Enfield	White circle on brown circle.
		Adams	Brown circle.
	Nordenfelt	Service	Green diamond.
		Practice	White diamond inside green diamond.
Gardner or Gatling, 0.45 in.	...	...	...	Black triangle.
Artillery stores	...	...	...	Dark blue triangle.
Artillery explosives	...	...	...	Red triangle.
Engineer stores	...	...	...	Light blue circle.
Engineer explosives	...	...	...	Red circle.
Commissariat stores	...	...	...	Green trefoil.
Clothing (except hospital clothing)	...	...	...	Brown heart.
Medical Stores (including hospital clothing)...	...	...	...	Yellow square with red cross.
Officers' and other baggage	...	...	...	White diamond.
Signallers' stores	...	...	...	Yellow crossed flags with A and S.

SECTION VI.—RAILWAYS.

PERMANENT WAY.

Gauges.—Normal, 4 ft. 8½ in. ; Irish, 5 ft. 3 in. ; Great Western (England), 7 ft. ; Indian, 5 ft. 6 in. ; Russian, 5 ft.

Rails.—Usual lengths, 18 ft., 24 ft., 30 ft. ; weight per yard, 75 to 85 lbs. when for transverse sleepers ; 62 lbs. when for longitudinal.

Sleepers (transverse), 9 ft. long, 10 in. wide, 5 in. thick ; longitudinal sleepers have a section of 12 in. by 6 in.

Platforms.—For military purposes, not less than 3 ft. 6 in. nor more than 4 ft. above rail-level. For side-loading the face of the platform should be constructed at a distance of 2 ft. 3 in. from the nearest rail.

Embankments and Cuttings.—Normal slope of sides, ¾.

Ballast.—Usual thickness, 19 in. ; width, 12 ft. for single line, and 23 ft. for double line.

ROLLING STOCK.

Locomotives.—Engine and tender occupy from 16 to 20 yds. of rail. As a rule tenders carry 3 or 4 tons of coal and from 1,500 to 2,000 gallons of water. An engine with heavy train consumes 200 cubic feet (1,200 gallons) of water and 16 cwt. coal per hour.

Passenger coaches.—In each coach there are from 4 to 6 compartments, and a 2nd or 3rd class compartment holds 8 soldiers. The average length of a passenger coach, buffers included, may be taken at 30 ft.

Cattle trucks.—Usual dimensions 14 ft. 9 in., 15 ft. 9 in., and 16 ft. 6 in. long, 7 ft. 6 in. broad. Height to top of arched roof, 7 ft. 3 in. Doorway usually 6 ft. 2 in. high, 5 ft. 9 in. broad. Floor of cattle truck usually 4 ft. above rails. A horse requires about 33 inches of breadth to stand in saddled, or 27 unsaddled.

A 14 ft. 9 in. truck holds six average horses, 15 ft. 9 in. truck six large horses, a 16 ft. 6 in. truck six horses, with saddles on and two men, or seven horses without saddles.

A cattle truck takes 8 to 12 head of cattle, or 30 to 45 sheep, according to size of truck and animals.

Vehicle trucks.—Carriage trucks have a length of 14 ft. ; furniture van trucks 16 ft.

Goods trucks.—A covered wagon carries 6 tons stores, or 2,000 rations of bread. If used as a passenger carriage it will take 20 men.

An open wagon carries 8 tons stores, or 1½ tons hay or straw.

Ballast trucks.—Load 3½ cubic yards.

TIME FOR ENTRAINING AND DETRAINING.

For entraining—40 minutes for an Infantry train, 60 minutes for a Cavalry or Artillery train, and 80 minutes for a heavy train.

For detraining and marching clear of station Infantry take 30 minutes, Cavalry and Artillery 40 minutes, for continuous work. For heavy trains 60 minutes must be allowed. On each goods wagon a maximum of 8 men can be advantageously employed either for loading or unloading.

Lighting stations.—Minimum height of suspended lights 7 ft. ; lights on posts to be 20 ft. from edge of platform.

COMPOSITION OF RAILWAY TRAINS REQUIRED FOR THE CONVEYANCE OF AN INFANTRY DIVISION.*
 [N.B.—This Table is not Official.]

	Infantry Battalion 2 Trains.		Inf. Bst. with Machine Gun Det. 2 Trains.		Cavalry Regt. 5 Trains.		Field Battery. 2 Trains.		Infantry Division Ammunition Column. 3 Trains.		Brigade Head Qrs. and C. & T. Company.†		Divisional Head Qrs. and C. & T. Company.†		Field Hospitals.	
	Right Wing.	Left Wing.	Right Wing.	Left Wing.	Squadron Train.	Hd. Qrs. Train.	Right Half.	Left Half.	a	b	c	a	b	c		
Brake Vans ...	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
1st Class Coach (3 or 4 compartments)†	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Composite Coach (4 compartments)†	12	12	12	12	3	2	2	2	1	1	1	1	1	1	1	
2nd or 3rd Class Coach (Average 5 compartments)†	1	1	2	1	2	4	1	1	1	1	1	3	3	2	2	
Horse Boxes (3 each)	5	4	5	5	20	4	10	10	10	10	10	9	9	7	6	
Cattle Trucks (7 each)	7	7	8	8	4	3	9	10	12	12	12	13	13	9	9	
Carriage Trucks ...	28	23	30	30	32	16	25	26	27	27	27	29	29	26	25	
Total No. of Vehicles...

* Detail left at base not included. † Minimum number of compartments in each train is as follows:—

Nature of Train.	2nd & 3rd Class.		Nature of Train.		1st Class.	
	1st Class.	2nd & 3rd Class.	1st Class.	2nd & 3rd Class.	1st Class.	2nd & 3rd Class.
Infantry Battalion	3	60	Infantry Division Ammunition Column (4)...	1	8	
... { Right Wing	3	62	Field Company R.E. ...	2	27	
... { Left Wing	3	60	Brigade Staff and Commissariat and	1	8	
Ditto with Machine Guns	3	63	Transport Company† ...	1	11	
... { Right Wing	1	18	Divisional Staff and Commissariat {	3	10	
... { Left Wing	2	12	and Transport Company† ...	3	10	
Cavalry ...	1	11	Bearer Company (with transport) ...	1	13	
... { Head Quarters...	1	11	Field Hospital (with transport) ...	1	9	
Field Battery ...	1	11				
... { Right Half						
... { Left Half						

† Transport supplied to medical units not included. § Including transport supplied by Commissariat and Transport Company.

LENGTH OF PLATFORM (IN YARDS) REQUIRED FOR MILITARY TRAINS.

[N.B.—Passenger coaches are taken at an average length of 10 yards; horse boxes, cattle trucks, and carriage trucks at 7 yards; brake vans at 9 yards; locomotives at 18 yards. This Table is not official.]

Class.	Contents.	Passenger Section.	Horse Section.	Wagon Section.	Brake Vans.	Total Length of Trains.		Remarks.
						Exclusive of Engine.	Including Engine.	
I	Infantry	140	42	49	18	242	260	The lengths given are the maximum for each section and for the train.
I	Ditto, with Machine Gun Detachment...	140	49	56	18	256	274	
C	Cavalry { Squadron ...	40	154	28	18	240	258	
C	Headqrs. ...	30	56	21	18	125	143	
A	Field Battery ...	30	77	70	18	195	213	
H	Divisional Ammunition Column ...	20	77	84	18	199	217	
G	Field Co., R.E. ...	60	84	63	18	225	243	
H	Infantry Brigade Staff and C. and T. ...	30	84	91	18	216	234	
H	Infantry Divisional Staff and C. and T. ...	30	84	63	18	195	213	
H	Bearer Company ...	30	77	105	18	230	248	
H	Field Hospital... ..	20	66	63	18	157	175	

NUMBER OF TRAINS REQUIRED FOR THE CONVEYANCE OF AN INFANTRY DIVISION.

8 Battalions	....	....	....	....	....	16
1 Squadron	....	....	....	....	....	1
3 Field Batteries	....	....	....	....	....	6
1 Ammunition column	....	....	....	....	....	3
1 Field Company R.E.	....	....	....	....	....	1
2 Brigade Staffs and C. and T.	....	....	....	....	....	4
1 Divisional Staff and C. and T.	....	....	....	....	....	3
2 Bearer Companies	....	....	....	....	....	2
3 Field Hospitals....	....	....	....	....	....	3
Total	....	....	....	....	....	39

SECTION VII.—CORRESPONDENCE AND PRINTING.

CORRESPONDENCE.

1. Adjutant-General.	2. Quartermaster-General.	3. Military Secretary.
<p>Questions relating to: Personnel of Army; Recruiting, Transfers, and Discharges; Duties and Discipline of Troops; Married Soldiers; Canteens, Recreation Rooms, and Coffee Bars; Cooking; Army Signalling. Mobilisation; Roster of Regiments for service, and their detail to Stations; Field Army Establishments.</p>	<p>Questions relating to: Supplies, and maintenance of reserves of Food and Forage; Inventions relating thereto. The Commissariat and Transport Corps. The Pay Department. Movements, Embarkations and Disembarkations of Troops; Barrack accommodation; Barrack, Hospital, Canteen, and Recreation Buildings; Barrack furniture; Damages to Barrack Stores, &c. Supply of Fuel, Light, and Water. Hire of Land and Buildings for Military purposes; Field and Lodging allowances. Horses. Dress of Officers; Clothing and Equipment of Soldiers; Inventions relating thereto.</p>	<p>Questions relating to: Admission of Cadets to R.M. College and R.M. Academy. Appointment, Promotion, Exchange and Retirement of Officers; Reserve of Officers; Confidential reports on Officers. Appointments to Staff; Command of Regimental Districts; Aides-de-Camp to the Queen; Regimental Colonelcies; Gentlemen-at-Arms; Yeomen of the Guard, and Military Knights of Windsor. Applications for Field service or special employment, Governors of Military Prisons; Military Attachés, Honours and Rewards. The Official Army Lists.</p>
<p>4. Inspector-General of Fortifications. <i>Horse Guards.</i> Questions relating to: Fortifications, Lands, Ordnance Store Department Buildings, Submarine Mining, Military Railways, Military Telegraphs, and Signal Stations. Barracks and Hospitals. Civil Staff of R.E. Department.</p>	<p>5. Director of Artillery. <i>War Office.</i> Questions relating to: Land Armaments; Ordnance Artificers; Equipments and Barrack Stores; Patterns and Specifications of Stores. Experiments and Inventions. Personnel of the Ordnance Store Department.</p>	<p>6. Director of the Intelligence Division. <i>18, Queen Anne's Gate, S.W.</i> Questions relating to: The Defence of the Empire. Foreign Armies and Countries. Maps. Translation of Foreign Documents. The War Office Library.</p>
<p>7. Director-General of the Army Medical Department.* <i>2, Victoria Street, Westminster.</i> Questions relating to: Appointment, Promotion and Retirement of Medical Officers. Medical Examination of Recruits. Sanitary and Statistical Subjects. Supply of Medical Stores. Administration of Medical Staff Corps.</p>	<p>8. Director-General of Military Education.† <i>Winchester House, St. James' Square, S.W.</i> Questions relating to: Education and Examination of Officers; Garrison Instruction; Staff College; R.M. College and R.M. Academy. Education and Examination of Warrant Officers, N.C.O.'s, Soldiers and their Children; Army Schools, R.M. Asylum, Royal Iberian School, and Garrison Libraries; Appointment of Teachers and Librarians.</p>	<p>9. Chaplain-General.† <i>War Office.</i> Questions relating to Chaplains and Services of the Church of England. [Correspondence as to other denominations is addressed to the Permanent Under-Secretary of State for War.] 10. Principal Veterinary Surgeon.* <i>65, Spring Gardens, S.W.</i> Questions relating to Veterinary Establishments and services.</p>

* Through Adjutant-General, Quartermaster-General, or Military Secretary, according to nature of the matter.

† Through Adjutant-General, or Military Secretary, according to nature of the matter.

ABBREVIATED ADDRESSES FOR TELEGRAPHIC PURPOSES FOR HOME STATIONS.

Rank or Title of Officer and Address.	Abbreviated Address for Inland Telegrams.
H. R. H. The Field-Marshal Commanding-in-Chief, War Office, London.	Field-Marshal, London.
The Adjutant-General to the Forces, War Office, London.	Adjutant-General, London.
The Deputy Adjutant-General (for Artillery), War Office, London.	Adjutant, London.
The Deputy Adjutant-General (for Engineers), War Office, London.	Adjutant, London.
The Quartermaster-General, War Office, London ...	Quartermaster-General, London.
The Director of the Intelligence Division, War Office, London.	Headquarters, London.
The Director-General of Military Education, War Office, London.	Military Education, London.
The Military Secretary, War Office, London	Kensington, London.
The Commissary-General, War Office, London	Commissary-General, London.
The Director-General of the Army Medical Department, Whitehall Yard, London.	Army Medical, London.
The Principal Veterinary Surgeon, War Office, London	Nudation, London.
The Director of Artillery and Stores, War Office, London.	Artillery Stores, London.
The Director of Army Contracts, War Office, London ...	Army Contracts, London.
The Director of Army Clothing, War Office, London ...	Army Clothing, London.
The Inspector-General of Fortifications, War Office, London.	Exemptible, London.
The Financial Secretary, War Office, London	Ephialtes, London.
The Accountant-General, War Office, London	Military Accountant, London.
The Commissary-General of Ordnance, Royal Arsenal, Woolwich.	Ordnance, Woolwich.
The Superintendent, Royal Carriage Factory, Woolwich	Carriage Factory, Woolwich.
The Superintendent, Royal Laboratory, Woolwich ...	Laboratory, Woolwich.
The Superintendent, Royal Gun Factory, Woolwich ...	Gun Factory, Woolwich.
The Inspector of Machinery, Royal Arsenal, Woolwich	Machinery, Woolwich.
The Chemist, Royal Arsenal, Woolwich	Chemist, Woolwich.
The Superintendent, Royal Small Arms Factory, Enfield Lock.	Small Arms, Enfield Lock.
The Superintendent, Gunpowder Factory, Waltham Abbey.	Gunpowder Factory, Waltham Abbey.
The Inspector of Works, Royal Arsenal, Woolwich ...	Military Works, Woolwich.
The Inspector of Works, Enfield Lock	Military Works, Enfield Lock.
The Inspector of Works, Waltham Abbey	Military Works, Waltham Abbey.
The Inspector of Works, Purfleet	Military Works, Purfleet.
The Inspector of Works, Shoeburyness	Military Works, Shoeburyness.
The Commandant, School of Military Engineering, Chatham.	Military School, Chatham.
The Officer in charge of Regimental Records, Royal Engineers, Brompton Barracks, Chatham.	Regimental Records, Chatham.
The Officer Commanding Troops and Companies, Royal Engineers, Aldershot.	Engineer Troops, Aldershot.
The Officer Commanding 2nd Division Telegraph Battalion, Royal Engineers, 10, Leicester Square, London.	Telegraph Battalion, London.
The Director-General of Ordnance Survey, Southampton.	Ordnance Survey, Southampton.
The General Commanding the Troops (at all Stations)...	General Commanding [with name of station].

Rank or Title of Officer and Address.	Abbreviated Address for Inland Telegrams.
The Officer Commanding Royal Engineers (at all stations).	Commanding Engineer [with name of station].
The Paymaster, Royal Engineers (at all stations) ...	Engineer Paymaster [with name of station].
The Commissariat Officer in Charge	Commissariat [with name of station].
The Senior Medical Officer	Jatrophic [with name of station].
The Senior Ordnance Store Officer	Ordnance Store [with name of station].

TELEGRAPHIC ERRORS.

Morse signal for—

Identical with—

A.	ET.
B.	TS, TIE, TEI, NI, NEE, DE.
C.	TR, KE, TETE, NN, NTE, KE.
D.	TEE, TI, NE.
F.	EEN, ER, EAE, IN, ITE, UE.
G.	TN, TTE, ME.
H.	ES, II, SE.
I.	EE.
J.	EO, EMT, ETM, AM, ATT, WT.
K.	TA, TET, NT.
L.	ED, ENE, ETI, ETEE, AI, AEE, RE.
M.	TT.
N.	TE.
O.	TM, MT.
P.	EG, EME, ETTE, AN, ATE, WE.
Q.	TK, TNT, TTA, MA, MET, GT.
R.	EN, ETE, AE.
S.	EEE, EI, IE.
U.	EA, EET, IT.
V.	EU, EEA, EIT, IA, IET, ST.
W.	EM, ETT, AT.
X.	TU, TIT, TEA, NET, NA, DT.
Y.	TW, TAT, TEM, TETT, NM, NTT, KT.
Z.	TD, TTI, TTEE, MI, MEE, GE.

PRINTING.

Sizes of Type.

PICA.

When a European first sets his foot in China he will find the appearance of the country, the buildings, and the people so totally different from

SMALL PICA.

When a European first sets his foot in China he will find the appearance of the country, the buildings, and the people so totally different from anything he had

LONG PRIMER.

When a European first sets his foot in China he will find the appearance of the country, the buildings, and the people so totally different from anything he had before seen that he

BOURGEOIS.

When a European first sets his foot in China he will find the appearance of the country, the buildings, and the people so totally different from anything he had before seen that he might fancy

BREVIER.

When a European first sets his foot in China he will find the appearance of the country, the buildings, and the people so totally different from anything he had before seen that he might fancy himself to be

NONPAREIL.

When a European first sets his foot in China he will find the appearance of the country, the buildings, and the people so totally different from anything he had before seen that he might fancy himself to be transported into a new world.

CORRECTIONS FOR PRINTER.

Errors in Proof.	To be replaced by	How indicated	
		In Letterpress.	In Margin.
Superfluous words, &c.	—	Line drawn through	∆ (delete)
Small letters	Capitals....	Triple underline	"Caps"
" "	Small capitals	Double "	"Sm caps"
" "	Italics	Single "	"Itals"
Capitals ..	Small letters	" "	l.c. (lower case)
Italics	Ordinary type	" "	"rom" (Roman)
Letter of different face	" "	" "	w.f. (wrong fount)
Letter inverted	" "	" "	∅
Space between portions of word	Word united	" ∪ "	⊖
Two words united	Separate words....	^	#
Corrections made at first	Original reading	Dotted underline	"stet"
New paragraph	Continuous text	Line connecting	"run on"
Continuous text....	New paragraph	["N. Par"



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