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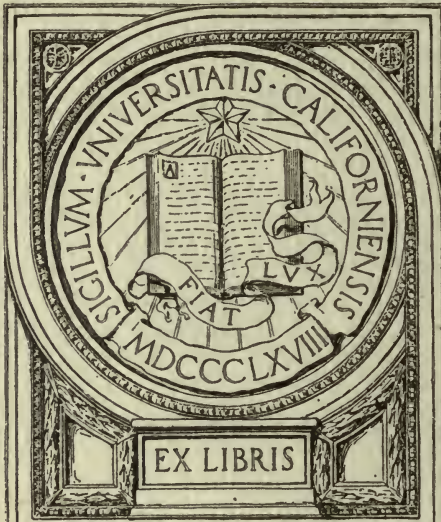
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FIELD BATTALION  
SIGNAL CORPS

TABLES OF ORGANIZATION  
AND EQUIPMENT

1917



WASHINGTON  
GOVERNMENT PRINTING OFFICE  
1917



U.S.

WAR DEPARTMENT  
OFFICE OF THE ADJUTANT GENERAL

# FIELD BATTALION SIGNAL CORPS

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TABLES OF ORGANIZATION  
AND EQUIPMENT

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1917



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FIELD BATTALION  
SIGNAL CORPS

WAR DEPARTMENT,

Document No. 607.

*Office of The Adjutant General.*

WAR DEPARTMENT  
OFFICE OF THE ADJUTANT GENERAL  
WASHINGTON, D. C.

WAR DEPARTMENT,  
WASHINGTON, *May 31, 1917.*

This manual is published for the information and government of the Army of the United States and the National Guard not in the service of the United States.

[2565551—A. G. O.]

BY ORDER OF THE SECRETARY OF WAR:

TASKER H. BLISS,  
*Major General, Acting Chief of Staff.*

OFFICIAL:

H. P. McCAIN,  
*The Adjutant General.*

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## FIELD BATTALION, SIGNAL CORPS, TABLES OF ORGANIZATION AND EQUIPMENT.

### PROPERTY ACCOUNTABILITY.

1. There shall normally be but one accountable officer for equipment C of each bureau of a field battalion and such officer will account on a separate return for all articles listed in the following tables. He will be known as the battalion supply officer.

2. When different officers serve as supply officers of the different bureaus they will be designated as "battalion quartermaster," "battalion signal officer," etc. Should local conditions make it desirable or necessary to have an accounting officer for any detachment serving separately from its parent organization, one may be designated for that purpose and the articles of equipment C that pertain to such detachment will be transferred to the designated accountable officer of the detachment, but as soon as the conditions making this separate accountability necessary cease, the account will be closed by transferring back to the unit supply officer of the parent organization the accountability for the property which had been carried separately.

3. Companies or detachments will hold on memorandum receipt from the supply officer of the battalion articles of equipment C prescribed in the following tables as provided in regulations and orders. (See Quartermaster Regulations and Par. I., G. O. No. 6, War Department, 1916.)

4. Under normal peace conditions the organizations will keep their equipment C as prescribed complete and in serviceable condition. If ordered for field duty, this full equipment will be taken to the mobilization and concentration points. If ordered on active field duty, where equipment B and equipment A not required for actual strength can not be taken, it will be disposed of by the battalion supply officer as conditions require, by turning it into a camp supply officer or depot, or by disposing of it as otherwise ordered. The same course will be followed at any time during active field service, should equipment become surplus.

5. The battalion supply officer will obtain replenishment of equipment C by furnishing the post, camp, division, depot, or other proper supply officer in exchange for articles of replenishment, either unserviceable articles worn out through fair wear and tear, or properly approved inventory and inspection report, survey report, statement of charges or certificate of expenditure.

6. When, in compliance with competent orders equipment C has been reduced by any part of it being invoiced by the battalion supply officer to another accountability, it will be replaced by the battalion supply officer certifying the facts on his requisition. If equipment C has been increased in any way above that prescribed, the supplies, when no longer necessary, will be invoiced to some accountable officer at the first opportunity.

7. Replenishment of equipment C will habitually be obtained through the battalion supply officer, but no entry of the transaction will be made in his account unless necessary. In emergencies, an organization commander may obtain replenishment by any of the methods prescribed for the battalion supply officer, but when such action is taken he will promptly report the transaction to the battalion supply officer.

8. All garrison equipment and other Government property (including ammunition for target practice), except equipment C, will be held by organization commanders on memorandum receipt from the post or other supply officers. If ordered to field duty, all articles of the garrison equipment held on memorandum receipt by organiza-

tions will be turned over to the post supply officer, and none of it will be taken with the organization, except as may be specially ordered by the next higher commander.

9. When a battalion is separated from a supply depot and the situation demands a reserve stock on hand, such reserve will be accounted for on the same return and in the same way as equipment C, but so soon as the necessity for carrying this reserve stock ceases the surplus will be invoiced to the proper accountable officer. The fact of having on hand a reserve will not be authority to issue on memorandum receipt to a company or other smaller organization any property in excess of its prescribed equipment C. If articles not listed as part of equipment C are necessary they will likewise be carried on the same return, but as soon as a post, depot, or camp supply officer is designated, such property will be invoiced to him.

10. Returns for property for which the battalion supply officer is accountable will be made according to existing regulations and orders.



## FIELD BATTALION SIGNAL CORPS.

TABLE I.—*Field signal battalion*—Continued.

## ORGANIZATION OF A RADIO COMPANY.

	Master signal electricians.	Sergeants, first class.	Sergeants.	Corporals.	Cooks.	Horseshoers.	Privates, first class.	Privates.	Total.
<b>Company commander's detail:</b>									
Individually mounted—									
Master signal electricians .....	1								1
Acting first sergeant .....		1							1
Supply sergeant .....			1						1
Stable sergeant .....			1						1
Farrier .....				1					1
Saddler .....				1					1
Mechanic .....				1					1
Buglers (one acts as guidon) .....							2		2
Transported in wagons—									
Mess sergeant .....			1						1
Horseshoer .....						1			1
Clerk .....				1					1
Cooks .....					2				2
Driver .....							1		1
Total for company headquarters .....	1	1	3	4	2	1	3		15
<b>Pack radio section:</b>									
Individually mounted—									
Chief of section .....		1							1
Operators and mast men .....			1	1					2
Antenna .....				1			3		4
Messenger .....							1		1
Horseholders .....							1	1	2
Total for 1 section .....		1	1	2			5	1	10
Total for 4 sections .....		4	4	8			20	4	40
<b>Wheel radio section:</b>									
Individually mounted—									
Chief of section .....		1							1
Operators .....			1	2					3
Mast men .....			1				2		3
Engineer .....			1	1					1
Antenna, counterpoise and guy men .....							8		8
Messenger .....							1		1
Horseholders .....								2	2
Driver (not mounted) .....							1		1
Total for wheel radio section .....		1	2	3			12	2	20
Total for radio company .....	1	6	9	15	2	1	35	6	75

## ORGANIZATION OF A WIRE COMPANY.

<b>Company commander's detail:</b>									
Individually mounted—									
Master signal electricians .....	1								1
Acting first sergeant .....		1							1
Supply sergeant .....			1						1
Stable sergeant .....			1						1
Farrier .....				1					1
Saddler .....				1					1
Assistant mechanic .....				1			1		1
Guidon .....							1		1
Buglers .....							2		2
Transported in wagons—									
Mess sergeant .....			1						1
Clerk .....				1					1
Horseshoer .....						1			1
Mechanic .....				1					1
Cooks .....					2				2
Drivers .....							3		3
Total company commander's detail .....	1	1	3	4	2	1	7		19

TABLE I.—*Field signal battalion*—Continued.

## ORGANIZATION OF A RADIO COMPANY—Continued.

	Master signal electricians.	Sergeants, first class.	Sergeants.	Corporals.	Cooks.	Horseshoers.	Privates, first class.	Privates.	Total.
Wire section:									
Chief of section <sup>b</sup> .....		1							1
Driver of carts.....									1
3 station squads—							1		
Operator <sup>b</sup> .....	}		1	2			7	2	12
Lineman <sup>b</sup> .....									
Messenger <sup>b</sup> .....									
Horseshoer <sup>b</sup> .....									
Total for 1 wire section.....		1	1	2			8	2	14
Total for 4 wire sections.....		4	4	8			32	8	56
Total for a wire company.....	1	5	7	12	2	1	39	8	75

## ORGANIZATION OF AN OUTPOST COMPANY.

Company commander's detail:									
Individually mounted—									
Master signal electricians.....	1								1
Acting first sergeant.....		1							1
Buglers (one acts as guidon).....							2		2
Transported in wagons—									
Mess and supply sergeant.....			1						1
Farrier.....				1					1
Clerk.....							1		1
Saddler.....				1					1
Horseshoer.....						1			1
Cooks.....					2				2
Driver.....							1		1
Total company commander's detail.....	1	1	1	2	2	1	4		12
Platoon:									
Assistant <sup>b</sup> .....		1							1
Headquarters section—									
Chief of section <sup>b</sup> .....			1						1
Telephone operators.....							1	1	2
Lineman <sup>b</sup> .....								1	1
Switchboard section—									
Chief operator.....				1					1
Operators.....							1	1	2
Lineman.....								1	1
Telephone section—									
Chief operator.....				1					1
Operator.....							1		1
Linemen.....							2		2
Total 3 telephone sections.....				3			9		12
Total for platoon.....		2		4			11	4	21
Total for 3 platoons.....		2	4	12			33	12	63
Total for the company.....	1	3	5	14	2	1	37	12	75

<sup>b</sup> Individually mounted.

TABLE II.—*Quartermaster property.*

Article.	Radio company equipment.			Wire company equipment.			Outpost company equipment.			Battalion headquarters and supply detachment equipment.			Attached sanitary troops equipment.			Total for battalion equipment.			Remarks.
	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	
<b>Strength:</b>																			
Officers.....	3			3			5			2			1			14			Winter use.
Enlisted men.....	75			75			75			14			6			245			
<b>Aggregate.....</b>	78			78			80			16			7			259			
<b>Articles:</b>																			
Arresters, spark.....	14	14		14	14		15	15		8	8		2	2		53	53		
Axes and helves.....	2	4	6	2	4	6	2	4	6	1	1		1	1		14	21		
Bags, surplus kit.....	10	10		10	10		10	10		2	2		1	1		7	14		
Bags, water sterilizing.....	1			1			1			1			1			1	33		
Bars, mosquito, single.....	37	75		37	75		37	75		7	14		3	6		124	121		
Bedsacks.....	75	75		75	75		75	75		14	14		6	6		245	245		
Blankets, olive drab.....	75	150		75	150		75	150		14	28		6	12		245	245		
Brooms, corn.....	4	4		4	4		4	4		1	1		1	1		14	14		
Brooms, stable.....	2	2		2	2		1	1		1	1		1	1		6	6		
Brushes, marking.....	1	1		1	1		1	1		1	1		1	1		3	3		
Brushes, scrubbing.....	3	3		3	3		3	3		1	1		1	1		11	11		
Buckets, galvanized iron.....	2	2		2	2		2	2		1	2		1	1		7	7		
Bugles, with sling.....	2	2		2	2		2	2		1	1		1	1		6	6		
Calks, toe, horseshoe (pounds).....	(1)	(1)		(1)	(1)		(1)	(1)		(1)	(1)		(1)	(1)		(1)	(1)		
Candles, ounces per day.....	18	18		18	18		18	18		(8)	(8)		2	2		55	55		
Candles, lantern.....	(1)	(1)		(1)	(1)		(1)	(1)		(8)	(8)		(8)	(8)		(8)	(8)		
Carborundum wheel, with fixtures.....	A. T.			A. T.			1			1			1			1	1		
Chest, folding.....	I. E.			I. E.			2			2			2			2	2		
Chairs, commissary, with equipment.....	I. E.			I. E.			1			1			1			1	1		
<b>Clothing:</b>																			
Belts, waist.....	75	75		75	75		75	75		14	14		6	6		245	245		
Breeches (pairs).....	75	150		75	150		75	150		14	28		6	12		245	490		
	75	150		75	150		75	150		14	28		6	12		245	490		

For contents, see p. 25.

Chevrans, and other sleeve insignia, service—	3	3	3	3	3	3	3	3	3	3	3	3	3	9	9
Master signal electrician (pairs)	18	15	9	6	6	6	6	6	6	6	6	6	6	48	48
Sergeant, first class (pairs)	27	3	15	6	6	6	6	6	6	6	6	6	6	51	51
Sergeant, Signal Corps (pairs)	45	36	42	42	42	42	42	42	42	42	42	42	42	3	3
Sergeant, Medical Department (pairs)	4	4	4	4	4	4	4	4	4	4	4	4	4	123	123
Corporal, Signal Corps (pairs)	4	4	4	4	4	4	4	4	4	4	4	4	4	12	12
Cook, Signal Corps (pairs)	2	2	2	2	2	2	2	2	2	2	2	2	2	6	6
Horseshoer (pairs)	70	75	74	74	74	74	74	74	74	74	74	74	74	242	242
Private, first class, Signal Corps (pairs)	75	75	75	75	75	75	75	75	75	75	75	75	75	2	2
Private, first class, Medical Department (pairs)	75	75	75	75	75	75	75	75	75	75	75	75	75	245	245
Coats, service	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3
Containers, mineral oil	75	75	75	75	75	75	75	75	75	75	75	75	75	6	6
Containers, mineral oil	75	75	75	75	75	75	75	75	75	75	75	75	75	239	239
Cords, hat, Medical Department	150	225	150	75	75	75	75	75	75	75	75	75	75	490	490
Cords, hat, Signal Corps	75	75	75	75	75	75	75	75	75	75	75	75	75	245	245
Drawers (pairs)	75	75	75	75	75	75	75	75	75	75	75	75	75	6	6
Gloves, riding (pairs)	75	75	75	75	75	75	75	75	75	75	75	75	75	245	245
Gloves, woolen	75	75	75	75	75	75	75	75	75	75	75	75	75	245	245
Hats, service, with tie cord	150	75	75	75	75	75	75	75	75	75	75	75	75	245	245
Laces, shoe, extra (pairs)	75	75	75	75	75	75	75	75	75	75	75	75	75	245	245
Leggins, canvas, mounted (pairs)	75	75	75	75	75	75	75	75	75	75	75	75	75	245	245
Shirts, flannel, olive drab	75	75	75	75	75	75	75	75	75	75	75	75	75	245	245
Shirts, marching	75	75	75	75	75	75	75	75	75	75	75	75	75	245	245
Socks, pairs	225	150	375	150	375	150	375	150	375	150	375	150	375	490	490
Tags, identification	75	75	75	75	75	75	75	75	75	75	75	75	75	1,225	1,225
Tape, for identification tags (yards)	75	75	75	75	75	75	75	75	75	75	75	75	75	245	245
Undershirts	150	75	225	150	75	225	150	75	225	150	75	225	150	490	490
Coal, smithing (pounds)	25	50	75	25	50	75	25	50	75	25	50	75	25	245	245
Containers, mineral oil	41	41	41	41	41	41	41	41	41	41	41	41	41	490	490
Cooking utensils, march kit:	1	1	1	1	1	1	1	1	1	1	1	1	1	245	245
Cans, water, galvanized iron, large	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3
Cans, water, galvanized iron, small	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3
Cleavers, meat	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3

1 pair each for flannel shirt, service coat, and overcoat.

1 pair each for service coat, and overcoat.

For winter use, 1 for each 5 gallons of mineral oil or fraction thereof.

Winter use.

\* Such quantities as commanding officer directs.

† Supplied when necessary, 1 cask (4 pound) per shoe.

‡ When other illuminants not furnished by quartermaster.

§ One for each 5 gallons of mineral oil or fraction thereof authorized for equipment A.

TABLE II.—*Quartermaster property—Continued.*

Article.	Radio equipment.			Wire company equipment.			Outpost company equipment.			Battalion headquarters and supply detachment equipment.			Attached sanitary troops equipment.			Total for battalion equipment.			Remarks.		
	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C			
Cooking utensils, march kit—																					
Continued.																					
Dippers, large.	1		1	1		1	1		1		1					3			3		
Forks, meat, large.	1		1	1		1	1		1		1					3			3		
Irons, fire, set.	3		3	3		3	3		3		3					9			9		
Kettle, camp, with covers.	1		1	1		1	1		1		1					1			1		
Knives, butcher, 8-inch.	4		4	4		4	4		4		4					12			12		
Pans, bake, large.	1		1	1		1	1		1		1					1			1		
Turners, cake, large.	1		1	1		1	1		1		1					3			3		
Wall tent, fly.	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	
Cots.	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	245	245	245	245	245	
Desks, field, small.	1		1	1		1	1		1		1					4			4		
Farrier's instrument pocket case	1		1	1		1	1		1		1					3			3		
Flags, distinguishing telegraph, with staff.									2		2					2			2		
Forge.	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	
Forge, portable.	1		1	1		1	1		1		1					3			3		
Forks, stable.	4		4	4		4	4		4		4					11			11		
Fuel, wood, cooking, cords, per day.	13		13	13		13	13		13		13					4			4		
Globes:																					
Lantern.	2		2	2		2	2		2		2					7			7		
Lantern, distinguishing.									2		2					2			2		
Guidons, Signal Corps mounted company with case and staff:																					
Silk.	1		1	1		1	1		1		1					2			2		
Service.	1		1	1		1	1		1		1					2			2		
Handkerchiefs.																1			1		
Head nets, mosquito.	10		10	10		10	10		10		10					33			33		
Horses:																					
Draft.	4		4	4		4	4		4		4					16			16		
Riding (for enlisted men).	67		67	62		62	62		62		62		7	6	6	155			155		
Riding (for officers).	3		3	3		3	3		3		3		1	1	1	13			13		
Horseshoer's emergency equipment.																1			1		

For contents, see pp. 25-26.

As fixed by Tables of Organization.

For contents, see p. 26.



	A. T.								25	50	75			25	50	75			25	50	75	
Iron, bar, assorted sizes (pounds).	1	1	1	1	1	1	1	1	1	1	1			1	1	1			1	1	1	
Irons, branding:																						
Hoof, sets	1	1	1	1	1	1	1	1	1	1	1			1	1	1			1	1	1	
I. C.	1	1	1	1	1	1	1	1	1	1	1			1	1	1			1	1	1	
U. S.																						
Jacks, wagon.	1	1	1	1	1	1	1	1	1	1	1			1	1	1			1	1	1	
Lampblack (pounds).	1	1	1	1	1	1	1	1	1	1	1			1	1	1			1	1	1	
Lampblack (pounds).	1	1	1	1	1	1	1	1	1	1	1			1	1	1			1	1	1	
Lantern frames, combination.	2	1	3	2	1	3	2	1	3	10	10			3	10	10			6	13	29	
Lantern frames, combination.	2	1	3	2	1	3	2	1	3	10	10			3	10	10			6	13	29	
Leather, harness, black (pounds).	2	2	4	2	2	4	2	2	4	10	10			2	16	16			4	16	32	
Leather, harness, black (pounds).	2	2	4	2	2	4	2	2	4	10	10			2	16	16			4	16	32	
Matches, boxes (10 days' supply).	24	24	24	24	24	24	24	24	24	6	6			6	6	6			6	6	84	
Medicines and dressings, veterinarianian (pounds).	16	16	15	15	15	15	15	5	6	6	6			6	6	6			6	6	42	
Mules:																						
Draft	4	4	4	4	4	4	4	4	4	4	4			4	4	4			4	4	36	
Pack	12	12	12	12	12	12	12	12	12	12	12			12	12	12			12	12	17	
Nail puller.	1	1	1	1	1	1	1	1	1	1	1			1	1	1			1	1	4	
Nails:																						
8-penny (pounds).	10	10	10	10	10	10	10	10	10	10	10			10	10	10			10	10	40	
10-penny (pounds).	40	40	40	40	40	40	40	40	40	40	40			40	40	40			40	40	160	
20-penny (pounds).	25	25	25	25	25	25	25	25	25	25	25			25	25	25			25	25	100	
Horseshoe (pounds).	11	11	18	18	18	18	18	6	9	4	4			1	1	1			2	53	81	
Horseshoe (pounds).	11	11	18	18	18	18	6	9	4	4	4			1	1	1			2	53	81	
Needles, harness:																						
(Glovers (papers).	1	1	1	1	1	1	1	1	1	1	1			1	1	1			1	1	4	
No. 2 (papers)	1	1	1	1	1	1	1	1	1	1	1			1	1	1			1	1	4	
No. 3 (papers)	1	1	1	1	1	1	1	1	1	1	1			1	1	1			1	1	4	
No. 4 (papers)	1	1	1	1	1	1	1	1	1	1	1			1	1	1			1	1	4	
Oil, mineral, issued as required (gallons).	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)			(3)	(3)	(3)			(3)	(3)	(3)	(3)
Oil, neat-foot, issued as required (pints).	2	2	2	2	2	2	2	2	2	2	2			2	2	2			2	2	7	
Overcoats	75	75	75	75	75	75	75	75	75	14	14			6	6	6			6	6	245	
Panther, veterinarian	1	1	1	1	1	1	1	1	1	1	1			1	1	1			1	1	3	
Paulins, large	1	1	1	1	1	1	1	1	1	1	1			1	1	1			1	1	4	
Pickaxes and helves.	2	4	6	2	4	6	2	4	6	1	1			1	1	1			1	1	7	
Pins, tent, shelter.	405	405	405	405	405	405	405	425	80	40	40			40	40	40			40	40	1,355	
Pins, tent, shelter.	405	405	405	405	405	405	405	425	80	40	40			40	40	40			40	40	1,355	
Poles, tent, shelter.	81	81	81	81	81	81	81	85	16	8	8			8	8	8			8	8	271	
Ponchos	1	1	1	1	1	1	1	62	62	62	62			62	62	62			62	62	3	
Pots, marking	1	1	1	1	1	1	1	1	1	1	1			1	1	1			1	1	3	
Powder, hypochlorite of lime, issued as required (tubes).	50	50	50	50	50	50	50	50	50	30	30			30	30	30			30	30	180	
Rakes, steel	1	1	1	1	1	1	1	1	1	1	1			1	1	1			1	1	7	
Ranges, field, complete:	(A. T.)	(A. T.)	(A. T.)	(A. T.)	(A. T.)	(A. T.)	(A. T.)	(A. T.)	(A. T.)	(A. T.)	(A. T.)			(A. T.)	(A. T.)	(A. T.)			(A. T.)	(A. T.)	(A. T.)	(A. T.)
No. 1	1	1	1	1	1	1	1	1	1	1	1			1	1	1			1	1	3	
No. 2	1	1	1	1	1	1	1	1	1	1	1			1	1	1			1	1	3	

1 See "Tentage, heavy."  
 2 F. S. R. 253, 302, and "Additional camp supplies."  
 3 One-half pint per day for every authorized oil-burning lantern of any type.  
 4 Issued as required.  
 5 Weight allowed in-cludes contain-ers, see p. 26.  
 6 Fixed by Tables of Organizations.  
 7 Include for field train, etc.  
 8 Repair of quarter-master harness.  
 9 Winter use.  
 10 See p. 26.  
 11 10 days' supply.  
 12 See p. 26.  
 13 See p. 26.

TABLE II.—Quartermaster property—Continued.

Article.	Appropriation.	Radio company equipment.			Wire company equipment.			Outpost company equipment.			Battalion headquarters and supply detachment equipment.			Attached sanitary troops equipment.			Total for battalion equipment.			Remarks.		
		A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C			
Rations, field	Sub.																					
Rations, reserve	Sub.																					
Rivets and burrs, copper:																						
No. 8, 1 1/2 inches (pounds)	A. T.																					
No. 9, 1 inch (pounds)	A. T.																					
No. 9, 1 inch (pounds)	A. T.																					
No. 12, 1/2 inch (pounds)	A. T.																					
Rope, picket line, 1 1/2 inches (feet)	I. E.	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	250	
Salt, rock (pounds)	R. S.	15	15	15	16	16	16	5	5	5	6	6	6	1	1	1	1	1	1	1	1	43
Shields, tent, galvanized iron	C. & E.																					
Shoes, horse and mule:																						
Fitted shoes—																						
For draft mules (number)	I. E.	16	16	16	16	16	16	16	16	96	96	96	96	96	96	96	96	96	96	96	96	144
For draft horses (number)	I. E.	16	16	16	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	64
For pack mules (number)	I. E.	24	24	24	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	34
For mounts (number)	I. E.	140	140	140	130	130	130	36	36	36	20	20	14	14	14	14	14	14	14	14	14	340
Extra shoes—																						
For horses (pounds)	I. E.	74	148	222	78	154	232	18	36	54	10	20	30	21	21	21	187	372	559	559	559	
For mules (pounds)	I. E.	4	32	36	8	24	24	8	16	24	48	48	72	3	3	3	53	106	159	159	159	
Slickers	C. & E.	75	75	75	75	75	75	13	13	13	14	14	14	6	6	6	183	183	183	183	183	
Soap, issued as required (pounds)	R. S.	14	14	14	14	14	14	14	14	14	2	2	2	1	1	1	45	45	45	45	45	
Spades	C. & E.	2	2	2	4	4	4	2	2	2	1	1	2	1	1	1	7	14	21	21	21	
Standard, national.	Std.																					
Service.	C. & E.																					
Field battalion, Signal Corps.	C. & E.																					
Stencil plates (sets)	A. T.																					
Sticks, size, shoe.	C. & E.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3

See list, p. 26.

Stoves, tent.....	14	14	14	14	15	15	8	8	2	2	53	When ordered.	
Stovepipe, elbows.....	4	4	4	6	6	6	8	8	2	2	24		
Stovepipe, joints.....	74	74	74	81	81	81	48	48	12	12	289		
Stretchers, shoe.....	1	1	1	1	1	1	1	1	4	4	1		
Tables, folding.....	1	1	1	1	1	1	1	1	1	1	1		
Tapes, foot measure.....	1	1	1	1	1	1	1	1	1	1	3		
Tent, shelter, half.....	81	81	81	85	85	16	10	8	8	271	271		
Tentage, heavy.....	81	81	81	85	85	16	10	8	8	271	271		
Tennis, complete— Wall, small, complete.....	2	2	2	3	3	3	3	3	1	1	11	Includes office or store tent.	
Pyramidal, large, complete.....	12	12	12	12	12	12	4	4	1	1	41		
Plate.....	1	1	1	1	1	1	1	1	1	1	1		
Wall, large, complete.....	1	1	1	1	1	1	1	1	1	1	1		
Canvas, latrine screen, complete.....	1	1	1	1	1	1	1	1	1	1	4		
Fishes, tent, wall, large.....	1	1	1	1	1	1	1	1	1	1	4		
Thread, saddler's: No. 3 (pounds).....	A. T.			1	1	1	1	2	1	1	2	Repair of quarter- master harness.	
No. 10 (pounds).....	A. T.			1	1	1	1	2	1	1	2		
Toilet articles: Housewives.....	C. & E.	10	10	10	10	2	2	1	1	33	33	A. R. 1215; 10 days' supply in active campaign only.	
Soap, cakes.....	R. S.	188	188	188	188	35	35	15	15	614	614		
Vehicles: Escort wagon and harness, complete, with accessories.....	A. T.			5	5	5	5	5	5	5	5	For complete list, see p. 27.	
Escort wagon harness and accessories for 4-mule wagon (sets).....	A. T.	1	1	1	1	1	1	1	1	4	4	Do.	
Wax, saddler's (pounds).....	A. T.			2	2	2	4	4	2	2	4	Repair of quarter- master harness.	
Whistles and chain "Acme Thunder,".....	C. & E.	7	6	6	8	8	2	2	18	18	18		
Wicks, lantern.....	R. S.	5	2	7	5	2	7	2	9	1	23	8	31
ADDITIONAL CAMP SUPPLIES. (Provided by camp quartermaster and therefore not to be taken to camp by organization.) Brushes, whitewash.....	W. & S.	1	1	1	1	1	1	1	1	1	4	Not furnished if garbage is burned in kitchen pits.	
aus, garbage.....	W. & S.	1	1	1	1	1	1	1	1	1	4		
Cans, night, urinal.....	W. & S.	1	1	1	1	1	1	1	1	1	4	A. R. 1215. As prescribed in A. R. and F. S. R.	
Candles.....	R. S.										4		
Forage.....	R. S.										4		

1 For officer's latrine.





TABLE III.—*Ordnance property.*

Article.	Enlisted strength.						Remarks.
	75	75	75	14	6	245	
	Radio company.	Wire company.	Outpost company.	Battalion headquarters and supply detachment.	Attached sanitary troops.	Total for battalion.	
<b>EQUIPMENT A.</b>							
<b>ARMS.</b>							
Class VII, section 2:							
Magazines, pistol, extra.....	150	150	150	28	.....	478	
Pistols, caliber .45.....	75	75	75	14	.....	239	
Class VIII, section 2:							
Cartridges, ball, pistol, caliber .45.....	1,575	1,575	1,575	294	.....	5,019	
<b>PERSONAL EQUIPMENT.</b>							
Class IX, section 1:							
Belt, web, Hospital Corps.....					6	6	
Cans, bacon.....	75	75	75	14	6	245	
Cans, condiment.....	8	13	62	7	.....	90	
Canteens, model 1910.....	75	75	75	14	6	245	
Canteen covers, mounted, model 1910.....	67	62	13	7	6	155	
Canteen covers, dismounted, model 1910.....	8	13	62	7	.....	90	
Cups, model 1910.....	75	75	75	14	6	245	
Forks.....	75	75	75	14	6	245	
Hanger, double, web for canteen.....					6	6	
Haversacks, model 1910.....	8	13	62	7	.....	90	
Knives.....	75	75	75	14	6	245	
Meat cans.....	75	75	75	14	6	245	
Pack carriers.....			62			62	
Pouches for diagnosis tags and instruments.....					6	6	
Pouches for first-aid packet.....	75	75	75	14	6	245	
Pouches for adhesive tape and foot powder.....			15			15	
Spoons.....	75	75	75	14	6	245	
Class IX, section 2:							
Pistol holsters, caliber .45.....	75	75	75	14	.....	239	
Ration bags, retaining straps, special.....					6	6	
Spurs (pairs).....	67	62	13	7	6	155	
Spur straps (sets).....	67	62	13	7	6	155	
Class IX, section 3:							
Pistol belts, without saber rings.....	75	75	75	14	.....	239	
<b>HORSE EQUIPMENT.</b>							
Class IX, section 5:							
Bridles, cavalry.....	67	62	13	7	6	155	
Currycombs.....	69	69	17	7	7	169	
Feed bags.....	83	74	17	7	7	188	
Grain bags.....	83	74	17	7	7	188	
Halter headstalls.....	67	62	13	7	6	155	
Halter tie ropes.....	67	62	13	7	6	155	
Horse brushes.....	69	69	17	7	7	169	
Lariats.....					6	6	
Picket pins.....					6	6	
Links.....	67	62	13	7	6	155	
Fleed picket line—							
Section.....	6	5	2	1	.....	14	
Pins.....	18	15	6	3	.....	42	
Saddles, cavalry, complete.....	67	62	13	7	6	155	
Saddle bags (pairs).....	67	62	13	7	6	155	
Saddle blankets.....	67	62	13	7	6	155	
Stirrups guidons.....	1	1	1	2	.....	5	
Sureingles.....	83	74	17	7	7	188	

TABLE III.—*Ordnance property—Continued.*

Article.	Enlisted strength.						Remarks.
	75	75	75	14	6	245	
	Radio company.	Wire company.	Out-post company.	Battalion headquarters and supply detachment.	Attached sanitary troops.	Total for battalion.	
<b>EQUIPMENT A.</b>							
<b>ENTRENCHING TOOLS.</b>							
Class X, section 3:							
Hand axes, infantry .....					6	6	
Hand ax carrier .....					6	6	
<b>ORGANIZATION EQUIPMENT.</b>							
Class X, section 5:							
Marking outfit for stamping leather <sup>1</sup> .....	1	1	1			3	
Marking outfit for stamping metal <sup>1</sup> .....	1	1	1			3	
Stencil outfit <sup>1</sup> .....	1	1	1	1		4	
Stencil, personal equipment <sup>2</sup> .....	1	1	1	1		4	
Class X, section 9:							
Pistol cleaning kit .....	1	1	1			3	
<b>OFFICER'S HORSE EQUIPMENT.</b>							
Class IX, sections 5 and 6:							
Officer's horse equipment (sets) .....	3	3	5	1	1	13	See p. 23.
<b>PACK HARNESS.</b>							
Class IV, section 2:							
Pack harness (sets) .....	12		4			16	See p. 23.
<b>HARNESS.</b>							
Class IV, section 8:							
Double harness (sets) .....		6				6	For wire carts.
Lead harness (sets) .....	1					1	For wagon radio set.
Wheel harness (set) .....	1					1	Do.
<b>TOOLS.</b>							
Class X, section 9:							
Saddler's tools (set) .....	1	1	1			3	See p. 23.
Blacksmith's tools (set) .....	1	1	1			3	See p. 23.
<b>EQUIPMENT B.</b>							
Class X, section 1:							
Arm lockers, automatic pistol, caliber .45 .....	1	1	1	1		4	

<sup>1</sup> A stencil outfit consists of 1 chest, 1 stencil brush, 1 box of stencil paste, 1 set of letters, ½-inch, A to Z, character "&" and period, 1 set of figures, ½-inch, 0 to 9, inclusive, 4 end pieces, ½-inch, 1 set of letters, 1-inch, A to Z, character "&" and period, 1 set of figures, 1-inch, 0 to 9, inclusive, 4 end pieces, 1-inch.

<sup>2</sup> A set consists of 26 letters, A to Z, and 10 numbers, 0 to 9, 5½ inches high.

TABLE IV.—*Signal property.*

Article.	Radio company.	Wire company.	Outpost company.	Battalion headquarters and supply detachment.	Total for battalion.	Remarks.
<b>EQUIPMENT A.</b>						
Axes, hand.....	5	6	4	2	17	For contents, see p. 29.
Bags, tool, service, complete.....			1		1	
Batteries, dry, Tungsten, type A.....	30	100	72	10	212	
Books field message.....	100	100	50		250	
Buckets, water, canvas.....	8	8	5	2	23	Includes ground rod, cord, and connector.
Buzzer, service, complete.....	5	36	20	2	63	
Candles, lantern.....	200	200	150	100	650	
Cans, gasoline, 1-gallon.....		1			1	
Carbide charges.....	40	40	40		120	
Cartridges, Very pistol:						
Green.....				100	100	
Red.....				100	100	
White.....				100	100	
Carts, wire, complete.....		6			6	See p. 31.
Carriers, buzzer and antenna wire.....	10	22			32	
Cases, map.....	7	7	5	4	23	
Chests, tool:						
Mechanic's No. 1.....	1	1				For contents, see p. 29.
Mechanic's No. 2.....	1	1				
Chests, packing.....	4	4	4	2	14	For contents, see p. 29.
Clamps, splicing.....	1	1	1		3	
Climbers and straps.....	1	4	4	1	10	
Compasses, pocket.....	7	7	7	4	25	
Connector studs, extra.....		40	30		70	
Cord, sash, No. 6 (feet).....	200				200	
Cord, sash, 3-inch (feet).....		100			100	
Disks, cipher.....	14	14	10	4	42	
Envelopes, message.....	1,000	1,000	500		2,500	
Flashlights.....	6	12	15	4	37	
Glasses, field, type D or E.E.....	7	6	5	2	20	
Grips, Buffalo.....		2			2	
Heliographs, complete, with tripods.....	2	2	2		6	
Jacks, wagon.....		1			1	
Kits:						
Flag, combination, standard.....	11	9	9	2	31	For contents, see p. 30.
Flag, 4-foot.....	6	5	5	2	18	
Inspector's pocket.....	7	6	6	4	23	For contents, see p. 30.
Soldering.....	1	1	1		3	
Knives:						
Brush cutting.....	12	12	12		36	
Electrician's.....	80	80	80	10	250	
Lanterns:						
Acetylene.....	2	2	2		6	Without tripods.
Candle.....	12	15	12	5	44	
Motorcycles, with side car.....	2	2	2	2	8	
Pencils, lead.....	144	144	72	36	396	
Pistols, Very.....				8	8	
Pikes, wire.....		28			28	
Pliers, 5-inch.....	80	80	80	10	250	
Radio sets:						
Pack, complete.....	5				5	See p. 30.
Wheel, complete.....	1				1	
Reels, breast.....			15		15	
Rockets, parachute:						
Red.....				6	6	
Smoke.....				6	6	
White.....				6	6	
Rods, ground, type D, extra.....	5	20	5		30	
Spectacles, smoked, with cases.....	12	12	12		36	
Spools, breast reel.....			45		45	
Switchboards, buzzer.....			4		4	
Switchboard, 10-drop.....			3		3	
Tape:						
Friction (pounds).....	5	15	24		44	
Rubber (pounds).....	2	5	6		13	
Typewriters, field.....	2	2	2	3	9	
Voltammeter.....	1	1	1		3	
Wagons:						
Instrument, escort type.....	1	1	1		3	See p. 27.
Shop, escort type.....				1	1	
Watches, wrist.....	6	15			21	Includes wristlet.
Wire:						
Buzzer (miles).....	5	8			13	
Field (miles).....		35	10		45	
Outpost (miles).....			30		30	



TABLE V.—*Individual equipment of sections in companies.*

[Property authorized for company, but not shown in following list, pertains to company headquarters detachment.]

Article.	Enlisted strength.					
	10	20	14	4	4	4
	Radio company.		Wire company.	Outpost company.		
	Pack radio section.	Wheel radio section.	Wire section.	Head-quarters section.	Switch-board section.	Tele- phone section.
Quartermaster property:						
Horses, draft.....		4	2			
Horses, riding.....	10	17	13	3		
Kitchen outfit, when separate from company.....	1	1	1			
Mules, pack.....	3					1
Ordnance property:						
Curry combs.....	13					11
Feed bag.....	13	24	22			11
Grain bag.....	13	24	22			11
Harness—						
Double harness (sets).....			1			
Lead harness (sets).....		1				
Wheel harness (sets).....		1				
Pack harness (sets).....	3					
Horse brush.....	13					11
Picket line, section.....	1	1	1			
Pins, for section picket line.....	3	3	3			
Surcingle.....	13	24	22			
Signal property:						
Axes, hand.....	1	1	1			
Batteries, dry, tungsten, type A.....	1	1	12	1	1	2
Books, field message.....	5	5	12	2	2	1
Buckets, water, canvas.....	1	1	1			
Buzzers, service, complete.....	1	1	7	1	1	1
Candles, lantern.....	6	6	12	6	6	6
Carriers, buzzer and antenna wire.....	1	1	4			
Carts, wire, complete.....			1			
Cases, map.....	1	1	1			
Climbers and straps.....			1			
Compasses, pocket.....	1	1	1			
Connector studs, extra.....			5			
Disks, cipher.....	2	2	3			
Envelopes, message.....			150			
Flashlights.....	1	1	2	1	1	1
Glasses, field, type EE.....	1	1	1			
Kits, flag, combination.....	2	2	2			
Kits, flag, 4-foot.....	1	1	1			
Kits, inspector's pocket.....	1	1	1			
Knives, brush cutting.....	2	2	2	1		1
Knives, electrician's.....	10	10	14			
Lanterns, candle.....	2	2	3		2	
Pencils, lead.....	6	6	12	3	3	3
Pliers, 5-inch.....	10	10	14			
Pikes, wire.....			4			
Radio sets—						
Pack, complete.....	1					
Wheel, complete.....		1				
Reels, breast.....				1		1
Rods, ground, type D.....			4			
Spools, for breast reels, extra.....						3
Switchboards, extra.....					1	
Tape, friction (pounds).....	1	1	3	1		1
Tape, rubber (pounds).....			1			
Watches, wrist.....	1	1	3			
Wire, buzzer (miles).....	1	1	1½			
Wire, field (miles).....			5			
Wire, outpost (miles).....				½		2

1 One for each pack mule.

2 One for each draft horse.

TABLE VI.—*Individual equipment.*

## SECTION A.

[Service kit, clothing component, and equipment common to all enlisted men.]

Article and class.	Service kit.		
	Field kit worn on person, equipment A.	Field kit carried on person or mount, equipment A.	Surplus kit, equipment B.
<b>Clothing:</b>			
Belts, waist.....	1		
Breeches, service.....	1		1
Chevrons, and other sleeve insignia, service (as per Uniform Regulations).....			
Cord, hat.....	1		
Drawers (pair).....	1	1	1
Gloves, riding, for each mounted man only (pair).....	1		
Gloves, woolen, winter use; for dismounted duty only.....	1		
Hat and cord, service.....	1		
Laces, shoe, extra (pair).....		1	1
Leggins, canvas (pair).....	1		
Shirt, flannel, olive drab.....	1		1
Shoes, marching (pair).....	1		1
Stockings (pair).....	1	2	2
Tags, identification.....	1		
Tape, for identification tags (yards).....	1		
Undershirts.....	1	1	1
<b>Toilet articles:</b>			
Comb.....		1	
Soap (cake).....		1	
Toothbrush.....		1	
Towel, face.....		1	
<b>Quartermaster property:</b>			
Bars, mosquito, single, 1 for every 2 men only.....		1	
Blankets, olive drab.....		1	1
Poncho, for dismounted use in outpost company.....		1	
Slicker, for each mounted man and driver.....		1	
Tents, shelter, half.....		1	
Tents, shelter, pins.....		5	
Tents, shelter, pole.....		1	
Shoes, horse or mule, 1 fore and 1 hind, if mounted.....		2	
Nails, horseshoe, if mounted.....		16	
<b>Rations:</b>			
Emergency (as ordered).....			
Reserve (see F. S. R.).....		2	
<b>Medical property:</b>			
First-aid packet.....		1	
<b>Ordnance property:</b>			
Can, bacon.....		1	
Canteen, model 1910.....		1	
Canteen cover, dismounted, model 1910.....		1	
Cartridges, ball, pistol.....		21	
Cups, model 1910.....		1	
Forks.....		1	
Magazines, pistol, extra.....		2	
Meat cans.....		1	
Pistol, caliber .45.....		1	
Pistol belt, without saber ring.....		1	
Pistol holster.....		1	
Pouch for first-aid packet.....		1	
Spoon.....		1	
<b>Signal property:</b>			
Knife, electrician's.....		1	
Pliers, 5-inch.....		1	

TABLE VI.—*Individual equipment*—Continued.

## SECTION B.

[For men individually mounted.]

Article and class.	Service kit.		
	Field kit worn on person, equipment A.	Field kit carried on person or mounted, equipment A.	Surplus kit, equipment B.
In addition to section A:			
Ordnance property—			
Bridle, cavalry.....		1	
Curry comb.....		1	
Feed bag.....		1	
Grain bag.....		1	
Halter headstall.....		1	
Halter tie rope.....		1	
Horse brush.....		1	
Link.....		1	
Saddle, McClellan.....		1	
Saddlebags (pair).....		1	
Saddle blanket.....		1	
Surcingle.....		1	

## SECTION C.

[For master signal electricians, first sergeants, and chiefs of sections.]

In addition to sections A and B:			
Quartermaster property—			
Whistle and chain, "Acme Thunderer".....	1		
Signal property—			
Book, field message.....		1	
Case, map.....		1	
Compass, pocket.....		1	
Glass, field, type EE or D.....		1	
Pencil.....		1	

## SECTION D.

[For drivers and dismounted men, except in outpost company.]

In addition to section A:			
Ordnance property—			
Cans, condiment.....		1	
Canteen haversack strap.....		1	
Haversacks, model 1908.....		1	
Curry comb, for drivers only.....		1	
Horse brush, for drivers only.....		1	

## SECTION E.

[For dismounted men in outpost company.]

In addition to section A:			
Ordnance property—			
Cans, condiment.....		1	
Haversacks, model 1910.....		1	
Pack carriers.....		1	

## SECTION F.

[For operators.]

In addition to sections A and B:			
Signal property—			
Books, field message.....		1	
Buzzer, service, wire company only and when not carried in wire cart.....		1	
Envelopes, message.....		25	
Pencils, lead.....	2		
Tape, friction, small piece.....		1	
Watch, wrist.....	1		

TABLE VI.—*Individual equipment*—Continued.

## SECTION G.

[For linemen in wire company.]

Article and class.	Service kit.		
	Field kit worn on person, equipment A.	Field kit carried on person or mount, equipment A.	Surplus kit, equipment B.
In addition to sections A and B:			
Signal property—			
Pike, wire company only.....		1	.....
Buzzer, service.....		1	.....
Carrier, buzzer wire.....		1	.....
Tape, friction, small roll.....		1	.....

## SECTION H.

[Messengers.]

In addition to sections A and B:			
Signal property—			
Books, field message.....		1	.....
Pencil, lead.....		1	.....

TABLE VII.—*General notes—Assembled equipment and accessories.*

## QUARTERMASTER PROPERTY.

Chest, commissary, with equipment. The equipment of a commissary chest consists of the following articles:

- 2 blades, meat saw, 22-inch.
  - 1 bolt, stove.
  - 1 brace, carpenter's.
  - 2 candlesticks, galvanized iron, spiked bottom and sides.
  - 1 cleaver, 8-inch cut.
  - 2 drills, twist.
  - 2 faucets, wood, 8-inch.
  - 1 funnel, quart.
  - 1 hammer, claw, and helve.
  - 6 hooks, meat, for racks.
  - 1 iron, soldering.
  - 1 knife, butcher, 8-inch.
  - 1 knife, butcher, 10-inch.
  - 1 measure, liquid, quart.
  - 6 needles, packing.
  - 1 opener, box.
  - 3 openers, can.
  - 3 pencils, lumber.
  - 1 plier, combination.
  - $\frac{1}{2}$  pound rosin.
  - 1 saw, hand, crosscut.
  - 1 saw, meat, 22-inch.
  - 1 scale, beam.
  - 1 scales, spring balance.
  - 1 scoop, large.
  - 1 scoop, small.
  - 1 scraper, box.
  - 1 screw driver.
  - 1 shears, tinner's.
  - 8 sheets, steel, 12 by 12 inches.
  - 1 pound solder, prepared.
  - 1 steel, butcher's.
  - 1 tap, borer.
- Cooking utensils, march kit:
- 1 can, water, galvanized iron, large.
  - 1 can, water, galvanized iron, small.
  - 1 cake turner, large.
  - 1 cleaver, meat.
  - 1 dipper, large.
  - 1 fork, meat, large.
  - 1 knife, butcher, 8-inch.
  - 1 set irons, fire.
  - 3 kettles, camp, with covers.
  - 4 pans, bake, large.
  - 1 wall tent, fly (see "Tentage, heavy").
- Desks, field, small. A field desk when packed must not exceed 35 pounds in weight. The contents include records, manuals, blanks, and stationery. The stationery for a single desk should not exceed the following, which is prescribed as an allowance for 30 days. This allowance applies also to each field desk not furnished by the Quartermaster Corps.
- 1 gross bands, rubber, No. 18.
  - 4 blocks, memo or scratch pad, for pencil.
  - 2 books, duplicating, letter size.
  - 200 envelopes, official.
  - 1 eraser, rubber, ink and pencil.
  - 1 eraser, rubber, typewriter.
  - 1 eraser, steel.
  - 1 box fasteners, paper.
  - 1 files, office, general orders.
  - 1 files, office, special orders.
  - 1 can ink, black, tablets.
  - 1 can ink, red, tablets.
  - 1 bottle or tube mucilage (or paste).
  - 6 sheets paper, blotting, 4 by 9 $\frac{1}{2}$  inches.
  - 2 sheets paper, blotting, 12 by 19 inches.
  - 25 sheets paper, carbon, letter size.
  - 5 quires paper, letter, typewriter.
  - 4 pencils, indelible.
  - 2 pencils, lead.
  - 2 pencils, colored (blue and red).
  - 4 penholders.
  - 24 pens, steel.
  - 1 cone pins, office.
  - 2 ribbons, typewriter, record.
  - 1 ruler, office, 12-inch.
  - 1 shears, office.
  - 1 spool tape, office.
  - 1 ball twine, wrapping.
  - 3 ounces wax, sealing.
- Farrier's instrument pocket case:
- 1 canvas roll.
  - 1 scalpel.
  - 1 hoof knife.
  - 1 clinical thermometer.
  - 1 pair curved scissors.

## Farrier's instrument pocket case—Continued.

- 1 pair dressing forceps.
- 1 pair artery forceps.
- 1 director, grooved.
- 1 bistoury, curved, blount.
- 1 probe.
- 1 skein, silk.
- 6 needles, curved.

## Horseshoer's emergency equipment:

- 1 shoeing hammer.
- 1 pincers.
- 1 hoof knife.
- 1 jointed horseshoe, No. 2.
- 1 rasp.
- Horseshoe nails, assorted.
- $\frac{1}{2}$  pound oakum.
- 1 four-ounce bottle chlorolin or kreso.

Irons, branding, hoof. A set of hoof-branding irons consists of one series of letters from A to M and one series of numbers from 0 to 9.

Pannier, veterinary, and appliances. The contents of a veterinary pannier are not prescribed in detail. A pannier should be equipped with such supplies as are appropriate and necessary for any particular march or expedition. Panniers supplied to organizations having no veterinarians are for use as containers of veterinary medicines and dressings. The following is a suggested list of veterinary supplies. Under ordinary conditions, it should suffice for 100 animals for 10 days:

## Medicines—

- 3 aloes balls.
- $\frac{1}{2}$  pound ammonia, aromatic spirits.
- $\frac{1}{2}$  pound ammonia liniment.
- $\frac{1}{2}$  pound charcoal.
- $\frac{1}{2}$  pound chloronaphtholeum or kreso.
- $\frac{1}{2}$  pound colic mixture.
- $\frac{1}{2}$  pound cosmoline.
- $\frac{1}{2}$  pound iodine tincture.
- $\frac{1}{2}$  pound lime, chloride of.
- 3 ounces mercury, bichloride of.
- $\frac{1}{2}$  pound oil, linseed.
- $\frac{1}{2}$  pound oil, olive.
- $\frac{1}{2}$  pound ointment, antiseptic.
- $\frac{1}{2}$  pound tar, pine.
- $\frac{1}{2}$  pound three sulphates (copper, iron, and zinc)

## Dressings—

- $\frac{1}{2}$  pound absorbent cotton.
- 1 package antiseptic gauze.

## Bandages—

- 1 flannel.
- 4 cotton, white.
- 1 pound oakum.
- 1 pound soap, castile.

## Ranges, field, complete, No. 1:

- 1 field range (1 body, No. 41, and 1 boiling plate, No. 42).
- 1 Alamo attachment (2 pieces, 42a and 42b).
- 6 boilers, Nos. 48, 49, 50, 51, 53, and 54.
- 1 cleaver, 6-inch.
- 1 dipper,  $\frac{1}{2}$ -gallon, No. 55.
- 1 dipper, quart, No. 56.
- 2 forks, small.
- 1 grinder, meat.
- 1 guard, tent, 6 $\frac{1}{2}$ -inch.
- 3 knives, butter, 8-inch.
- 2 pans, bake, No. 52.
- 1 pipe, smoke, elbow, No. 47.
- 4 pipes, smoke, joints, Nos. 43, 44, 45, and 46.
- 4 rests, pan, No. 57.
- 1 saw, meat, 15-inch blade.
- 1 skimmer, large.
- 2 spoons, large.
- 1 steel, butcher's, 10-inch.

## Ranges, field, complete, No. 2:

- 1 field range (1 body No. 61, and 1 boiling plate, No. 62).
- 2 boilers, Nos. 50 and 51.
- 1 dipper,  $\frac{1}{2}$ -gallon, No. 55.
- 2 forks, meat, small.
- 1 guard, tent.
- 2 knives, butcher, 8-inch.
- 2 pans, bake, No. 52.
- 1 pipe, smoke, elbow, No. 67.
- 4 pipes, smoke, joints, Nos. 63, 64, 65, and 66.
- 2 rests, pan, No. 57.
- 1 saw, meat, 15-inch blade.
- 1 skimmer, small.
- 2 spoons, small.
- 1 steel, butcher's, 10-inch.

## Stencil plates, set:

- 2 full alphabets, roman capitals (including usual mark for "and").
- 2 series of numbers from 0 to 9.
- 1 cake of marking paste in tin box.
- 1 sponge.
- 1 stencil brush.

(1 set of numbers and letters is 1 inch high, the other  $\frac{1}{2}$  inch. These plates are issued in tin boxes with hinged lids.)

Wagons, equipment of spare parts, and accessories for:

	Where carried.	Number.
<b>Wagon equipment:</b>		
Wagon parts, extra (total weight, 106 pounds)—		
Blocks, brake	In tool box	2
Bolt, king	do	1
Bolts, tire—		
$\frac{1}{4}$ by 2 $\frac{3}{4}$ inches	do	1
$\frac{1}{4}$ by 3 inches	do	5
Bolts, wagon—		
$\frac{1}{2}$ by 1 $\frac{1}{2}$ inches	do	2
$\frac{3}{8}$ by 1 $\frac{1}{4}$ inches	do	2
$\frac{3}{8}$ by 2 inches	do	1
$\frac{3}{8}$ by 2 $\frac{1}{2}$ inches	do	2
by 3 inches	do	2
by 11 inches	do	1
by 4 inches	do	4
Links, open	do	3
Nuts, axle	do	2
Reach	On left side of wagon body	1
Rivets, iron—		
$\frac{3}{8}$ by 1 $\frac{1}{2}$ inches	In tool box	6
$\frac{1}{2}$ by 1 $\frac{1}{2}$ inches	do	4
Tongue	On left side of wagon body	1
Trees—		
Double	Bolted to coupling pole	1
Single	In tool box	1
<b>Wagon accessories (total weight, 83 pounds)—</b>		
Ax and helve	do	1
Bags, nose	do	4
Brush, horse	do	1
Bucket, galvanized iron	do	1
Comb, curry	do	1
Globe, lantern	In lantern in tool box	1
Grease, axle, pounds	In tool box	4
Halters and straps	do	4
Lantern frame, combination	do	1
Pickax and helve	do	1
Rope, $\frac{3}{8}$ -inch, feet	do	150
Spade	do	1
Whip	In socket	1
Wick, lantern	In lantern in tool box	1
Wrench, monkey	In tool box	1
Twine, ball	do	1
(For winter use, when specially authorized, 1 blanket-lined cover for each mule.)		
<b>Harness:</b>		
Lead, s.s. (72 pounds)	On mules	2
Wheel, s.s. (90 pounds)	do	2
<b>Harness equipment—</b>		
Harness parts, extra (total weight, 8 $\frac{1}{2}$ pounds)—		
Buckles—		
$\frac{3}{4}$ -inch	In jockey box	1
$\frac{1}{2}$ -inch	do	1
1-inch	do	1
2-inch	do	1
Clips, trace	In oscillating tool box	2
Hames	do	2
Rings—		
$\frac{3}{4}$ -inch	In jockey box	1
1-inch	do	1
1 $\frac{1}{2}$ -inch	do	1
2-inch	do	1
Snaps—		
1-inch	do	1
1 $\frac{1}{2}$ -inch	do	1
2-inch	do	1
Straps, hame	In oscillating tool box	3
<b>Harness accessories (total weight, 6 pounds)—</b>		
Oil, neat's-foot, gallon	do	$\frac{1}{2}$
Soap, harness, pound	do	1
Sponge	do	1
Wire, stove, spool	In jockey box	1
Additional supplies to be carried in wagon which are not included in the "complete set." These supplies are provided and maintained by organizations—		
Nails, horseshoe, number (1 pound)	do	128
Shoes, mule, fitted, number (16 pounds)	do	16
In campaign (F. S. R. 302)—		
Grain reserve, pounds	In oscillating tool box	36
Rations, reserve, number	do	2

The foregoing list of articles is prescribed for each escort wagon and team wherever used. The oscillating tool box may be fitted on the escort wagon of any model.

## Fuel allowances:

Fuel is obtained as needed, which on the march will ordinarily be from day to day. It is not therefore prescribed as baggage. The amounts of fuel shown in the tables of allowances are based on requirements for average conditions. In certain instances the full allowances given will be in excess of actual requirements, in which case only such quantities as are actually required will be issued. Where conditions require the issue of allowances in excess of that shown, authority must be obtained from the department commander or commanding general in the field.

The prescription in the foregoing tables to the effect that the allowances of fuel for heating purposes will be fixed by the commanding general (or division commander) contemplates that the organizations are integral parts of a division on the march or in camp. Under other circumstances, the allowances for heating purposes should be fixed by the commanding officer.

## ORDNANCE PROPERTY.

## Officer's horse equipment:

- 1 bridle.
- 1 feed bag.
- 1 grain bag.
- 1 halter, headstall.
- 1 halter tie rope.
- 1 horse cover.
- 1 saddle.
- 1 saddle blanket.
- 1 pair saddlebags.
- 2 saddlecloths, with S. C. insignia.
- 1 pair spurs.
- 1 set spur straps, russet.
- 1 set spur straps, black.

## Pistol cleaning kit:

- 1 cleaning box, with packing block.
- 10 cleaning rods.
- 10 thong brushes.
- 10 screw drivers.
- 1 oil can.
- 1 grease pot.

## Pack harness, set, consisting of:

- 1 aparejo.
- 1 aparejo cincha.
- 1 blinder.
- 1 corona.
- 1 crupper.
- 1 halter bridle, with leather reins.
- 1 saddle blanket.
- 1 sobrejalma.

## Saddler's tools, set, consisting of:

- 12 awl blades, harness, assorted, Nos. 43 to 48, inclusive.
- 1 awl, pegging.
- 1 awl, seat, handled.
- 1 carriage, pricking, 3 wheels, Nos. 7, 8, and 10.
- 1 compass, 6-inch.
- 1 creaser, double, lignum-vitæ.
- 1 edge tool, No. 1.
- 1 edge tool, No. 2.
- 2 extra blades with followers, for draw gauge.
- 1 gauge, draw, brass (without guard).
- 1 hammer, No. 3, riveting.
- 2 hafts, patent, awl, rosewood, with wrench.
- 1 knife, round.
- 1 knife, splitting, 6-inch.
- 1 needle case, leather.
- 1 paper needles, Glovers No. 3.
- 2 papers needles, harness, No. 4.
- 2 papers needles, harness, No. 5.
- 2 papers needles, harness, No. 6.
- 1 nippers, cutting, 10-inch.
- 1 oilstone, 1.25 by 2 by 8, Washita, unmounted.
- 1 peg awl handle, with wrench.
- 1 pliers, 6-inch.
- 1 punch, revolving, 4 tubes, Nos. 4, 5, 6, and 7.
- 1 rivet set.
- 4 round hand punches, Nos. 5, 7, 8, and 10.
- 1 rule, boxwood, 2-foot, 4-fold.
- 1 saddler's chest.
- 1 screw-driver, 3-inch blade, 8 inches over all.
- 1 sewing palm, leather.
- 1 shears, 10-inch, bent trimmers.
- 1 shoe knife, broad point.
- 1 shoe knife, square point.
- 1 slicker, steel.
- 2 thimbles, best aluminum lined, steel, 2 sizes.
- 1 tool claw.

## Blacksmith's tools, set, consisting of—

- 1 anvil, 34-pound.
- 1 apron, blacksmith's.
- 1 box, shoeing, leather.
- 1 creaser, steel handled.
- 1 chisel, handled for cold iron, 1-pound 6-ounce.
- 1 clinch cutter.
- 1 clinching iron.
- 1 file, 8-inch, handsaw taper.



## Blacksmith's tools, set, consisting of—Continued.

- 1 file, flat, 12-inch, second cut.
- 1 fire rake.
- 1 fire shovel.
- 1 hammer, rounding, 14-inch handle, 2-pound.
- 1 hammer, shoeing, 10-ounce.
- 2 handles, spare, for cold chisel.
- 1 Hardie, 0.562 ( $\frac{9}{16}$ ) square shank, 1-inch bit.
- 1 cutting nippers, 14-inch.
- 1 Pritchel, 0.562 ( $\frac{9}{16}$ ) flats, 9-inch.
- 1 Schaller forge.
- 1 Schaller forge tool chest.
- 1 shoeing knife.
- 1 shoeing pincers, 14-inch.
- 1 shoeing rasp, 16-inch.
- 1 tongs, horseshoers.
- 1 tool kit, for Schaller forge.
- 1 vise, 2.5-inch jaws.
- 1 whetstone, farrier's, 10-inch.
- 1 wrench, screw, 8-inch.

## SIGNAL PROPERTY.

## Bags, tool, service, complete:

- 1 bit, Irwin, auger, each of the following sizes—

- $\frac{1}{8}$ -inch.
- $\frac{3}{16}$ -inch.
- $\frac{1}{4}$ -inch.
- $\frac{5}{16}$ -inch.
- 1-inch.

- 1 brace, ratchet, 8-inch throw.
- 1 chisel, cold,  $\frac{3}{4}$ -inch.
- 1 chisel, wood,  $\frac{1}{2}$ -inch socket blade, iron, ring-topped handle.
- 1 hammer, claw, 16-ounce.
- 1 handle, with tools.
- 1 indicator, polarity.
- 1 knife, jack.
- 1 level, pocket, spirit, 3-inch.
- 1 plane, block, 6-inch.
- 1 pliers, pair, 6-inch, side cutting.
- 1 pliers, pair, 8-inch, side cutting.
- 1 rule, 4-foot, folding, boxwood, 8 parts.
- 1 saw, back, 10-inch.
- 1 screwdriver, 6-inch.
- 1 screwdriver, 10-inch.
- 1 pound solder, resin core.
- 1 try-square, steel, 4-inch blade.
- 1 wrench, monkey, 6-inch.
- 1 wrench, socket, for telephone apparatus, 4-inch.

## Chests, tool, mechanics, No. 1, complete:

- 2 blades, hack saw, dozen, 12-inch.
- 1 can, oil, bicycle or pocket type, 2 $\frac{1}{2}$ -inch diameter,  $\frac{3}{4}$  inch thick, curved spout, with screw cap.
- 1 chisel, cold,  $\frac{1}{2}$ -inch, 6 inches long.
- 1 drill, hand.
- 1 drill, twist, set of 60, straight shank, Nos. 1 to 60.
- 4 files, 4-inch, round.
- 4 files, 4-inch, square.
- 6 files, 6-inch, round.
- 6 files, 8-inch, flat, bastard.
- 1 file cleaner.
- 1 frame, hack saw.
- 1 grinder, hand, 1 by 5 inches, carbonyndrum wheel.
- 1 hammer, riveting, 4-ounce, cast steel.
- 1 handle, file, malleable iron.
- 1 iron, soldering,  $\frac{1}{2}$ -pound.
- 1 iron, soldering, 1 $\frac{1}{2}$ -pound.
- 1 oilstone, mounted, 8-inch, soft.
- 1 pliers, diagonal, 6-inch.
- 1 pliers, long nose, 5 $\frac{1}{2}$ -inch.
- 1 pliers, side cutting, 6-inch.
- 2 punches, center, straight shank.
- 1 screw driver, machinist's, swivel head, 5-inch,  $\frac{1}{2}$ -inch blade,  $\frac{1}{16}$ -inch handle.
- 1 screw driver, set.
- 1 screw plate, set.
- 1 shears, metal.
- 1 square, combination, 6-inch blade, without center head.
- 1 torch, gasoline.
- 1 vise, adjustable jaw, swivel base, 2-inch jaws, open 2 $\frac{1}{2}$  inches.

## Chests, tool, mechanic's, No. 2, complete:

- 1 set of 14 bits: thirteen  $\frac{1}{4}$  to 1 inch by  $\frac{1}{16}$  inch; 1 bit, expansive,  $\frac{3}{4}$  to 3 inches.
- 1 brace, 10-inch.
- 1 pair calipers, 4-inch.
- 1 set of 5 chisels, 1 $\frac{1}{2}$ -inch, 1 $\frac{1}{4}$ -inch,  $\frac{1}{2}$ -inch,  $\frac{3}{8}$ -inch,  $\frac{1}{4}$ -inch.
- 1 pair dividers, 6-inch.
- 1 set of 9 drills, twist, bit, stock, three each of  $\frac{1}{16}$ -inch,  $\frac{1}{8}$ -inch, and  $\frac{1}{4}$ -inch diameter.
- 1 file cleaner.
- 1 file holder.
- 1 set of 14 files: three 8-inch, half round, smooth; three 8-inch, half round, bastard; two 8-inch, flat, bastard, six 6-inch, saw files.
- 1 hammer, claw.
- 1 hammer, riveting, 8-ounce.

## Chests, tool, mechanic's, No. 2, complete—Continued.

- 1 hatchet, half, with handle.
- 1 knife, draw, 8-inch, folding type.
- 1 nail puller.
- 1 oilstone, 5-inch, mounted.
- 1 plane, block, 1½-inch bit.
- 1 plane, jack, 2-inch bit.
- 1 rule.
- 1 saw, hand, 10-point, 26-inch.
- 1 saw, rip, 6-point, 28-inch.
- 1 saw, set.
- 1 screw driver, 5-inch.
- 1 screw driver, 7-inch.
- 1 screw plate, set.
- 1 square, 24-inch (short end cut to 14 inches).
- 1 tape, steel, 100-foot.
- 1 wrench, monkey, 6-inch.
- 1 wrench, monkey, 15-inch.
- 1 wrench, 14-inch.

## Kit, flag, combination, standard:

- 1 case, combination flag.
- 1 staff, 2-foot flag (3 joints).
- 1 flag, red (white center), 2-foot.
- 1 flag, white (red center), 2-foot.
- 2 staffs, semaphore.
- 2 flags, semaphore.

## Kit, flag, 4-foot:

- 1 case, 4-foot flag.
- 1 staff, 4-foot flag (3 joints).
- 1 flag, red (white center), 4-foot.
- 1 flag, white (red center), 4-foot.

## Kit, inspector's pocket:

- 1 case, leather.
- 1 file, 3-inch, half round, bastard.
- 1 knife, electrician's.
- 1 pliers, 5-inch, side cutting, nicked.
- 1 rule, 2-foot.
- 1 scissors, electrician's.
- 1 screw driver.
- 1 tweezers.

## Kit, soldering:

- 1 blow, torch, pint size.
- 1 soldering copper, ½-pound, with handle.
- 4 sheets of sandpaper, No. 1.
- 2 spools resin core solder, 5 pounds each.
- 1 oak containing case.

## Radio pack sets, complete:

Radio pack sets, model 1915, consist of the following units—

- 1 operating chest.
- 1 hand generator.
- 1 mast.
- 1 set of pack frames (3 frames to a set).
- 1 tent.

Each unit contains component parts as follows—

## Operating chest—

- 1 chest.
- 1 resonance transformer.
- 1 condenser.
- 1 oscillation transformer.
- 1 sending key.
- 1 spark gap.
- 1 hot-wire ammeter.
- 1 switch.
- 1 receiving set.
- 1 connecting cord for generator (4-conductor, with plugs).
- 1 connecting cord, with plug, for antenna.
- 1 double-head receiver.
- 1 test buzzer.
- 1 tool kit.
- 1 extra section for transformer secondary.
- 1 extra set of crystals.
- 1 canvas case for receiver.
- 1 connector, 4-wire (lower half), generator.
- 2 connectors (lower half), antenna and counterpoise.
- 1 flexible connector for antenna inductance.
- 1 connector, 2-wire, small, for receiving set.
- 2 spring hooks.
- 4 legs for chest.
- 1 copy of Radiotelegraphy (U. S. Signal Corps).

## Hand generator—

- 1 generator.
- 2 cranks.
- 1 stand.
- 1 speedometer (carried in operating chest).
- 1 cap for speedometer opening.
- 1 canvas hood.

## Mast, type F—

- 1 top section.
- 1 bottom section.
- 8 intermediate sections.

Radio pack sets, complete—Continued.

Each unit contains component parts as follows—Continued.

Mast, type F—Continued

4 intermediate sections, extra (3 for tent).

1 antenna.

1 counterpoise.

9 carriers, wire.

4 pins, antenna.

2 hammers.

1 set adapters for tent (4 pieces).

1 bag, for antenna and counterpoise.

1 bag, for accessories.

Pack frames, sets—

3 frames (1 set); each frame is complete with cincha, 2 cincha straps with ring and snap hooks, and 2 straps with snap hooks at each end.

Tent—

1 tent.

14 pins.

2 guy ropes.

1 insulating device.

Wire carts, type L, complete. The Signal Corps wire cart, type L, when issued as "complete" will consist of the cart proper, together with the following enumerated detachable parts, extra parts, and tools:

1 axle, extra (drawing 1257).

2 bands, brake (drawing 1258).

2 bearings, extra, for reel (drawing 1260).

1 can, oil, steel, pint size.

1 canvas roll (drawing 1133-1), provided with the following tools—

1 chisel, cold,  $\frac{1}{2}$ -inch.

1 screw driver, 5-inch.

1 screw driver, 10-inch.

1 hammer, claw, 16-ounce.

1 wrench, monkey, 8-inch.

1 pliers, side-cutting, 8-inch.

1 wrench, S,  $\frac{1}{2}$ -inch and  $\frac{3}{4}$ -inch flats (W. & B. No. 674-B).

1 wrench, S,  $\frac{3}{4}$ -inch and 1-inch flats (W. & B. No. 672-D).

1 wrench, alligator, 9-inch (W. & B. Bulldog, No. 2).

1 chain, for tongue support (drawing 1128-2).

1 crank, reel (drawing 1132-3).

1 doubletree (drawing 1129-1).

4 insulators, strain, electrose, for traces (W. E. No. 700323).

2 pads, hand, leather.

1 paulin (drawing 788-1).

2 singletrees (drawing 1129-1).

1 tongue (drawing 1128-2).

1 wheel, extra (drawing 1116-1) (issued to Organized Militia only).

1 wrench, wheel (drawing 1132-3).

1 wrench, socket, for axle bracket nuts (drawing 1132-3).

1 yoke, neck (drawing 1130).

NOTE.—When wire carts are received lacking any of the above enumerated equipment, extra parts, or tools, steps should be taken to have the carts and accessories made complete.

UNIV. OF  
CALIFORNIA

STATE OF NEW YORK  
IN SENATE  
January 10, 1906.

REPORT  
OF THE  
COMMISSIONERS OF THE LAND OFFICE  
IN RESPONSE TO A RESOLUTION  
PASSED BY THE SENATE  
MAY 15, 1905.

ALBANY:  
ANDREW DEWEY, STATE PRINTER,  
1906.



