

Springfield Research Newsletter

ISSUE NUMBER 38
July - Sept., 1986

INFORMATION SOURCES FOR THIS ISSUE

- * Letters Received, Office of the Chief of Ordnance (OCO), 1885-87
- * General Correspondence, Office of the Chief of Ordnance, 1905-25

TRAPDOOR-ERA NOTES

- * A few prairie cartridge belts with flaps were developed for trial in 1885.
- * Wooden pistol grips were declared obsolete in 1885.
- * Issuance of Model 1884 rifles commenced on Dec. 31, 1885. They replaced all earlier model rifles in the hands of troops, including magazine rifles that were still in the field for trials. There was a great deal of dissatisfaction with the Model 1884 rear sight, which was found to be easily damaged and to lose its settings. It was also found that the cam latch came loose as a result of the end of the cam latch shaft being ground off flush. To overcome the latter objection, Springfield discontinued grinding the cam latch shafts in June, 1886. Then in Aug., 1886, the rear sight was modified by fitting larger knobs and making other small changes.
- * By 1886, a wooden wiping rod was being issued with each carbine. Some cal. .50 Sharps brushes and thongs were also issued for use with cal. .45 carbines.
- * The Whittemore rifle trial, carried out in March and April 1886, reopened the issue of the correct cam to be used in the Trapdoor breechblock.
- * In early 1886, 150 Model 1884 rod bayonet rifles were sent to Ft. Lincoln for trial.
- * The proper length of pistol grip screws was stated to be as follows:

Rifle before 1882	1 3/4"
Rifle after 1882	2"
Carbine	1.58"
- * A modified sling hook was approved on Apr. 26, 1886 (see illustration of Flagler sling on pg. 3)
- * Effective Apr. 20, 1886, "R" and "C" were no longer stamped on cartridge heads.

* The 3-click tumbler was not well liked, and many rifles had the earlier 2-click tumbler installed in the field. One of the problems was that the hammer could be lowered such that the sear rested on the edge of the tumbler notch, resulting in a dangerous condition. The sear nose was altered in Aug., 1886, so that this was not possible.

* In late 1886, F. W. Freund filed a patent suit against the Ord. Dept. over detachable pistol grips.

* In April, 1887, Col. Kelton proposed a "speed loader" for the Schofield revolver, similar to the ones used with modern double action revolvers.

* Col. Kelton also developed a detachable, gravity-feed magazine for the Trapdoor. During its trial in May, 1887, it was found that the magazine tended to come loose.

* Still another Kelton development was a hammerless version of the trapdoor action. Some details from his 1886 design are shown on pg. 12.

* In May, 1887, the commander of Troop D, 1st Cav., which was stationed at Ft. Custer, D. T., requisitioned 62 Model 1879 sights to replace the Model 1884 sights on the 24-in. bbl. Experimental Carbines that had been issued to them. Springfield responded by furnishing 20 more Model 1884s.

* Replacement stocks for 1st and 2nd models Hotchkiss Navy rifles were procured from Winchester in 1887.

* Maj. Isaac Arnold proposed the addition of a brass reinforcement at the mouth of carbine scabbards to prevent damage to the Model 1884 sights. This was approved in June, 1887, and many existing scabbards were so altered.

* In August, 1887, the front sight blade was rounded at the rear to avoid tearing clothing.

* A test of the Morse movable base cartridge was carried out in Dec., 1887.

EARLY RELOADING TOOLS

Reloading the service cartridges was not practical until development of the Model 1881 reloading cartridges. Sets of hand reloading tools were issued to the field starting in 1881, and bench reloading tools for field use were produced by Frankford Arsenal starting in Nov., 1885. The bench sets initially allowed reloading of both rifle cartridges (2.1-in. and 2.4-in. cases) as well as carbine and revolver cartridges. Modified components were later issued to adapt these tools to reloading the Morse cartridge. Separate loading tools were furnished for the shotgun as part of the "shot gun outfit".

BATTLE OF PLATTSBURGH LANDING RIFLES

A resolution of Congress dated May 20, 1826, authorized the presentation of rifles to 17 members of the New York militia in recognition of their gallantry during the Battle of Plattsburgh Landing in Sept., 1814. In a key action of the

War of 1812, this small force of Americans prevented the landing of British troops on the shore of Lake Champlain. The rifles that were subsequently made up were Hall's flintlocks, each with a silver plate suitably inscribed with the name of the intended recipient. Not all of these rifles were actually presented, however; and in 1885, the widow of one of them tried to find out what had happened to his. This correspondence gives quite a bit of information about how the distribution of these arms was handled, and I will be glad to make a copy available to anyone who has one of these historical rifles.

SPRINGFIELD ARMORY INSPECTORS

Included in this issue is a list of supervisors and inspectors reported at Springfield Armory in 1905.

SERIAL NUMBER DATA IN THIS ISSUE

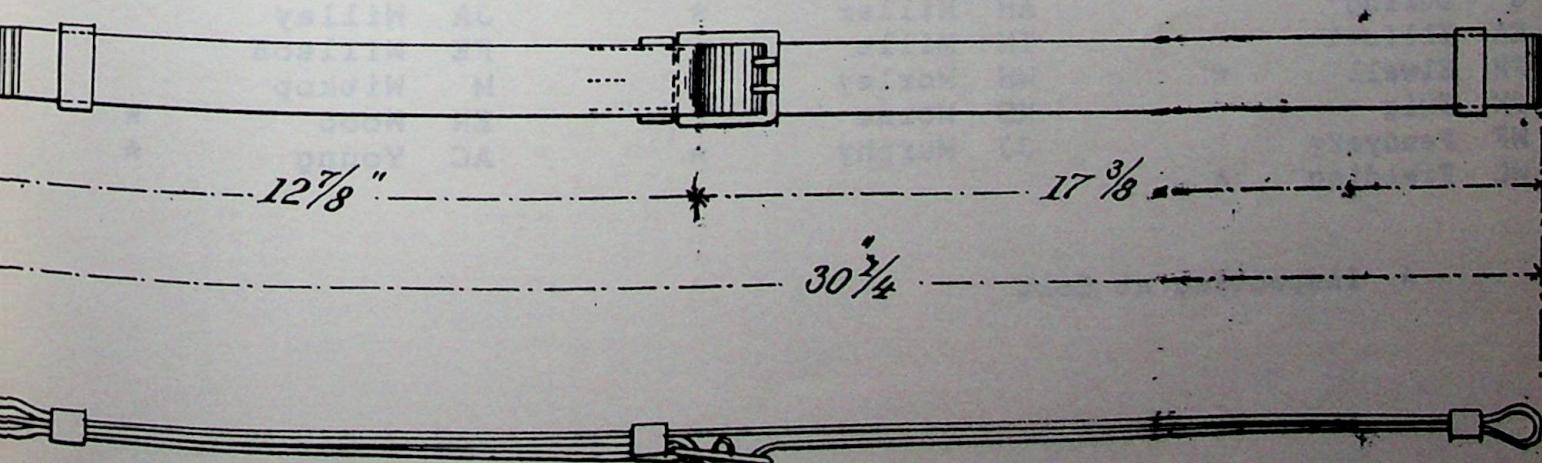
Serial data in this issue consists of 333 trapdoor rifles and carbines from the early records (including those of 9 Model 1884 rod bayonet rifles) and 33 Colt Single Action Army revolvers.

PRODUCTION SUMMARIES

This issue continues the publication of the trapdoor-era and interwar production summaries. Note that we are only publishing items of interest to collectors of small arms and accoutrements; the activities at some arsenals during the interwar years have been omitted because there is nothing that is of particular interest. Also, we have still not found the Springfield annual reports for some years.

TRADING POST

WANTED: M1903 Springfield Style "S" stock and handguard, and unaltered '03 receiver above 900,000. Davis, Box 722, Brentwood, TN 37027.



Col. Flagler's Sling approved April, 1886. (Not shown are 10 rows of double holes.)
(from RIA drawing dated Nov. 3, 1887)

SPRINGFIELD ARMORY INSPECTORS

1905

FW	Adams		FG	Fisher	*	J	O'Malley	*
GB	Allen	*	EH	Gamwell		JP	O'Neill	
LH	Auger		W	Garhard	*	WJ	Ober	
EH	Baines	*	GR	Goring	*	AC	Olmsted	*
CL	Bartlett		HG	Gould	*	EB	Peck	*
LN	Benjamin	*	EA	Gowrie		CD	Pomeroy	*
WE	Benjamin		WA	Graves		S	Priestley	
JN	Bensit		GF	Gray		I	Randall	
EL	Bolles	*	AJ	Hall		J	Reid	
WH	Bond		EL	Hathaway	*	JF	Riley	
CM	Boyington		WH	Hayden		KV	Schades	
WE	Boynton		WJ	Hines		EJ	Schoch	
PHM	Brooks		FL	Hosmer		ALP	Sikes	
JM	Broughton		WE	Hosmer	*	FO	Sinclair	*
SE	Bugbee		JH	Howarth		GA	Spooner	
JK	Burbank		BJ	James		ET	Stephens	*
JS	Burns		HR	Jenne		JL	Strong	*
P	Chapell		H	Kane	*	WE	Strong	*
C	Clancy		P	Keller		JF	Sullivan	
WJ	Clark		FM	Kelsey		B	Syrett	*
AM	Cooley		EJ	Kernan		H	Syrett	
FE	Cooley	*	PJ	Kiley		JT	Syrett	*
JB	Craig	*	EA	Kingsbury		W	Syrett	
JE	Craig		WC	Kirby	*	WL	Thayer	*
WL	Crowl	*	OW	Lawrence	*	M	Tuttle	*
C	Davis		EM	Lovering	*	JB	Tyler	
DJ	Davis		TJ	Lovett		C	Valentine	
JR	Dearborn		JG	Marcy		DJ	Warburton	
RM	Dennon	*	DW	Massey		HC	Washburn	
AE	Dickinson		JP	Meehan		LD	Whitaker	
C	Drommer		L	Meny		CA	White	
G	During		AH	Miller	*	JA	Willey	
EA	Elliott		TH	Mills	*	FE	Willson	
FH	Elwell	*	WH	Morley	*	M	Witkop	
JW	Ewig		KS	Morse		EN	Wood	*
WF	Fennyery		JJ	Murphy	*	AC	Young	*
WC	Fielding	*						

* Inspecting at Colt

**MISCELLANEOUS COLT SAA REVOLVERS
CITED IN ORDNANCE DEPT. RECORDS**

Serial	Model	MMDDYY	Usage	Serial	Model	MMDDYY	Usage
1982	081786	TROOP C	5TH CAV (SURVEYED)	7640	081786	TROOP C	5TH CAV (SURVEYED)
5721	081786	TROOP C	5TH CAV (SURVEYED)	7733	081786	TROOP C	5TH CAV (SURVEYED)
6193	081786	TROOP C	5TH CAV (SURVEYED)	10925	081786	TROOP C	5TH CAV (SURVEYED)
6547	081786	TROOP C	5TH CAV (SURVEYED)	16928	081786	TROOP C	5TH CAV (SURVEYED)
6677	081786	TROOP C	5TH CAV (SURVEYED)	17004	081786	TROOP C	5TH CAV (SURVEYED)
6717	081786	TROOP C	5TH CAV (SURVEYED)	17789	081786	TROOP C	5TH CAV (SURVEYED)
6733	081786	TROOP C	5TH CAV (SURVEYED)	18732	081786	TROOP C	5TH CAV (SURVEYED)
6744	081786	TROOP C	5TH CAV (SURVEYED)	19355	081786	TROOP C	5TH CAV (SURVEYED)
6782	081786	TROOP C	5TH CAV (SURVEYED)	32948	081786	TROOP C	5TH CAV (SURVEYED)
6803	081786	TROOP C	5TH CAV (SURVEYED)	34262	081786	TROOP C	5TH CAV (SURVEYED)
6936	081786	TROOP C	5TH CAV (SURVEYED)	34927	081786	TROOP C	5TH CAV (SURVEYED)
6974	081786	TROOP C	5TH CAV (SURVEYED)	35098	081786	TROOP C	5TH CAV (SURVEYED)
7084	081786	TROOP C	5TH CAV (SURVEYED)	35335	081786	TROOP C	5TH CAV (SURVEYED)
7207	081786	TROOP C	5TH CAV (SURVEYED)	114475	032485	SA TO OO	(SMALL EJECTOR HEAD)
7315	081786	TROOP C	5TH CAV (SURVEYED)	"	070885	OO TO SA	
7429	081786	TROOP C	5TH CAV (SURVEYED)	241903	BIS	062215	CONFISCATED
7549	081786	TROOP C	5TH CAV (SURVEYED)				

Model Code(s): BIS = Bisley Model

Total Entries: 33

MISCELLANEOUS TRAPDOOR RIFLES & CARBINES
 CITED IN EARLY ORDNANCE DEPT. RECORDS

Serial	Mod	MMDYY	Usage	Serial	Mod	MMDYY	Usage
72504	73A	060987	BROOKS MIL ACAD	315446	84R	031386	SA TO VANCOUVER ORD DEPOT
88097	77C	031677	10TH CAV	315456	84R	031386	SA TO VANCOUVER ORD DEPOT
95126	84R	041986	BATTY A 5TH ART	315463	84R	031887	CO B 19TH INF
99348	73R	031187	BAKER FIRING PIN TEST AT FA	315474	84R	031386	SA TO VANCOUVER ORD DEPOT
100900	73R	030886	WHITTEMORE CAM TRIAL	315485	84R	031386	SA TO VANCOUVER ORD DEPOT
110749	77C	081786	TROOP C 5TH CAV (SURVEYED)	315658	84R	080187	CO B 19TH INF
114488	73R	122483	CO G 1ST INF	315701	84R	031386	SA TO VANCOUVER ORD DEPOT
116814	77C	081786	TROOP C 5TH CAV (SURVEYED)	315702	84R	031386	SA TO VANCOUVER ORD DEPOT
120953	79R	092585	5TH ART	315705	84R	031386	SA TO VANCOUVER ORD DEPOT
120999	79R	011680	5TH ART (ISSUED)	315708	84R	031386	SA TO VANCOUVER ORD DEPOT
125898	77C	081786	TROOP C 5TH CAV (SURVEYED)	315710	84R	031386	SA TO VANCOUVER ORD DEPOT
126031	77C	081786	TROOP C 5TH CAV (SURVEYED)	315715	84R	031386	SA TO VANCOUVER ORD DEPOT
126226	77C	081786	TROOP C 5TH CAV (SURVEYED)	315717	84R	031386	SA TO VANCOUVER ORD DEPOT
126241	77C	081786	TROOP C 5TH CAV (SURVEYED)	315720	84R	031386	SA TO VANCOUVER ORD DEPOT
126243	77C	081786	TROOP C 5TH CAV (SURVEYED)	315723	84R	031386	SA TO VANCOUVER ORD DEPOT
126246	77C	081786	TROOP C 5TH CAV (SURVEYED)	315726	84R	031386	SA TO VANCOUVER ORD DEPOT
126277	77C	081786	TROOP C 5TH CAV (SURVEYED)	315730	84R	031386	SA TO VANCOUVER ORD DEPOT
126340	77C	081786	TROOP C 5TH CAV (SURVEYED)	315731	84R	031386	SA TO VANCOUVER ORD DEPOT
126415	77C	081786	TROOP C 5TH CAV (SURVEYED)	315733	84R	031386	SA TO VANCOUVER ORD DEPOT
126421	77C	081786	TROOP C 5TH CAV (SURVEYED)	315735	84R	031386	SA TO VANCOUVER ORD DEPOT
126425	77C	081786	TROOP C 5TH CAV (SURVEYED)	315737	84R	031386	SA TO VANCOUVER ORD DEPOT
126429	77C	081786	TROOP C 5TH CAV (SURVEYED)	315739	84R	031386	SA TO VANCOUVER ORD DEPOT
126432	77C	081786	TROOP C 5TH CAV (SURVEYED)	315740	84R	031386	SA TO VANCOUVER ORD DEPOT
126442	77C	081786	TROOP C 5TH CAV (SURVEYED)	315742	84R	031386	SA TO VANCOUVER ORD DEPOT
126477	77C	081786	TROOP C 5TH CAV (SURVEYED)	315744	84R	031386	SA TO VANCOUVER ORD DEPOT
126503	77C	081786	TROOP C 5TH CAV (SURVEYED)	315792	84R	080187	CO B 19TH INF
126516	77C	081786	TROOP C 5TH CAV (SURVEYED)	315851	84R	031386	SA TO VANCOUVER ORD DEPOT
126517	77C	081786	TROOP C 5TH CAV (SURVEYED)	315853	84R	031386	SA TO VANCOUVER ORD DEPOT
126521	77C	081786	TROOP C 5TH CAV (SURVEYED)	315856	84R	031386	SA TO VANCOUVER ORD DEPOT
126527	77C	081786	TROOP C 5TH CAV (SURVEYED)	315857	84R	031386	SA TO VANCOUVER ORD DEPOT
126528	77C	081786	TROOP C 5TH CAV (SURVEYED)	315864	84R	031386	SA TO VANCOUVER ORD DEPOT
126545	77C	081786	TROOP C 5TH CAV (SURVEYED)	315866	84R	031386	SA TO VANCOUVER ORD DEPOT
126547	77C	081786	TROOP C 5TH CAV (SURVEYED)	315873	84R	031386	SA TO VANCOUVER ORD DEPOT
126590	77C	081786	TROOP C 5TH CAV (SURVEYED)	315878	84R	031386	SA TO VANCOUVER ORD DEPOT
126596	77C	081786	TROOP C 5TH CAV (SURVEYED)	315884	84R	031386	SA TO VANCOUVER ORD DEPOT
127002	77C	081786	TROOP C 5TH CAV (SURVEYED)	315885	84R	031386	SA TO VANCOUVER ORD DEPOT
127132	77C	081786	TROOP C 5TH CAV (SURVEYED)	315887	84R	031386	SA TO VANCOUVER ORD DEPOT
127162	77C	081786	TROOP C 5TH CAV (SURVEYED)	315888	84R	031386	SA TO VANCOUVER ORD DEPOT
127185	77C	081786	TROOP C 5TH CAV (SURVEYED)	315890	84R	031386	SA TO VANCOUVER ORD DEPOT
127373	77C	081786	TROOP C 5TH CAV (SURVEYED)	315897	84R	031386	SA TO VANCOUVER ORD DEPOT
127649	77C	081786	TROOP C 5TH CAV (SURVEYED)	315921	84R	031386	SA TO VANCOUVER ORD DEPOT
127661	77C	081786	TROOP C 5TH CAV (SURVEYED)	315922	84R	031386	SA TO VANCOUVER ORD DEPOT
127685	77C	081786	TROOP C 5TH CAV (SURVEYED)	315927	84R	031386	SA TO VANCOUVER ORD DEPOT
127691	77C	081786	TROOP C 5TH CAV (SURVEYED)	315929	84R	031386	SA TO VANCOUVER ORD DEPOT
127699	77C	081786	TROOP C 5TH CAV (SURVEYED)	316056	84R	031386	SA TO VANCOUVER ORD DEPOT
127703	77C	081786	TROOP C 5TH CAV (SURVEYED)	316064	84R	031386	SA TO VANCOUVER ORD DEPOT
127726	77C	081786	TROOP C 5TH CAV (SURVEYED)	316067	84R	031386	SA TO VANCOUVER ORD DEPOT
127902	77C	081786	TROOP C 5TH CAV (SURVEYED)	316086	84R	031386	SA TO VANCOUVER ORD DEPOT
127922	77C	081786	TROOP C 5TH CAV (SURVEYED)	316096	84R	031386	SA TO VANCOUVER ORD DEPOT
127927	77C	081786	TROOP C 5TH CAV (SURVEYED)	316102	84R	031386	SA TO VANCOUVER ORD DEPOT
127955	77C	081786	TROOP C 5TH CAV (SURVEYED)	316105	84R	031386	SA TO VANCOUVER ORD DEPOT
130872	73R	080187	NCS & BAND 19TH INF	316108	84R	031386	SA TO VANCOUVER ORD DEPOT
138640	84C	051487	8TH CAV	316111	84R	031386	SA TO VANCOUVER ORD DEPOT
138665	84C	051487	8TH CAV	316119	84R	031386	SA TO VANCOUVER ORD DEPOT
139266	77C	031677	10TH CAV	316122	84R	031386	SA TO VANCOUVER ORD DEPOT
139571	84C	051487	8TH CAV	316127	84R	031386	SA TO VANCOUVER ORD DEPOT
139838	84C	051487	8TH CAV	316129	84R	031386	SA TO VANCOUVER ORD DEPOT
142500	77C	031677	10TH CAV	316147	84R	031386	SA TO VANCOUVER ORD DEPOT
143030	84C	051487	8TH CAV	316148	84R	031386	SA TO VANCOUVER ORD DEPOT
144163	77C	081786	TROOP C 5TH CAV (SURVEYED)	316150	84R	031386	SA TO VANCOUVER ORD DEPOT
144327	84C	051487	8TH CAV	316283	84R	080187	CO F 19TH INF
144409	84C	051487	8TH CAV	316298	84R	063087	CO A 16TH INF
145900	77C	081786	TROOP C 5TH CAV (SURVEYED)	316307	84R	031386	SA TO VANCOUVER ORD DEPOT
232609	84R	103086	CO D 16TH INF	316349	84R	031386	SA TO VANCOUVER ORD DEPOT
242650	79R	092285	TROOP K 3RD CAV	318111	84R	122685	SA TO VANCOUVER ORD DEPOT
248428	84R	031187	BAKER FIRING PIN TEST AT FA	318127	84R	042287	VANCOUVER ORD DEPOT
248449	84R	031187	BAKER FIRING PIN TEST AT FA	318149	84R	122685	SA TO VANCOUVER ORD DEPOT
248517	84R	031187	BAKER FIRING PIN TEST AT FA	318297	84B	092986	CO E 16TH INF
271703	79R	082584	CO E BATTN OF ENGRS (ISSUED)	318299	84B	060987	CO D 16TH INF
271737	79R	082584	CO E BATTN OF ENGRS (ISSUED)	318374	84B	102286	CO E 16TH INF
271930	79R	082584	CO E BATTN OF ENGRS (ISSUED)	318508	84B	080187	CO D 16TH INF
272011	79R	082584	CO E BATTN OF ENGRS (ISSUED)	318555	84B	100186	CO E 16TH INF
272035	79R	082584	CO E BATTN OF ENGRS (ISSUED)	318614	84B	080187	CO D 16TH INF
304374	84R	080187	CO K 16TH INF	318889	84B	060687	CO D 16TH INF
310199	84R	070487	BATTY A 4TH ART	318962	84B	102486	CO E 16TH INF
314835	84R	080187	CO A 16TH INF	319253	84R	122685	SA TO VANCOUVER ORD DEPOT
315014	84R	062987	CO A 16TH INF	319254	84R	122685	SA TO VANCOUVER ORD DEPOT
315023	84R	080187	CO H 16TH INF	319257	84R	122685	SA TO VANCOUVER ORD DEPOT
315072	84R	080187	CO A 16TH INF	319295	84R	122685	SA TO VANCOUVER ORD DEPOT
315170	84R	052087	CO A 16TH INF	319357	84R	122685	SA TO VANCOUVER ORD DEPOT
315190	84R	080187	CO A 16TH INF	319363	84R	122685	SA TO VANCOUVER ORD DEPOT
315220	84R	080187	CO D 19TH INF	319376	84R	122685	SA TO VANCOUVER ORD DEPOT
315242	84R	080187	CO A 16TH INF	319380	84R	122685	SA TO VANCOUVER ORD DEPOT
315309	84R	033186	BATTY K 5TH ART	319387	84R	122685	SA TO VANCOUVER ORD DEPOT
315419	84R	050287	CO A 16TH INF	319388	84R	122685	SA TO VANCOUVER ORD DEPOT

Model Code(s): A = Cadet Rifle B = Rod bayonet C = Carbine R = Service Rifle

Serial	Mod	MDDYY	Usage	Serial	Mod	MDDYY	Usage
319495	84R	122685	SA TO VANCOUVER ORD DEPOT	335665	84R	080187	CO A 16TH INF
319503	84R	122685	SA TO VANCOUVER ORD DEPOT	335700	84R	080187	CO B 16TH INF
319505	84R	122685	SA TO VANCOUVER ORD DEPOT	335770	84R	080187	CO B 19TH INF
319509	84R	122685	SA TO VANCOUVER ORD DEPOT	335779	84R	080187	CO E 19TH INF
319515	84R	122685	SA TO VANCOUVER ORD DEPOT	335780	84R	080187	CO B 19TH INF
319519	84R	122685	SA TO VANCOUVER ORD DEPOT	335792	84R	080187	CO H 19TH INF
319526	84R	122685	SA TO VANCOUVER ORD DEPOT	335796	84R	080187	CO H 19TH INF
319528	84R	122685	SA TO VANCOUVER ORD DEPOT	335912	84R	080187	CO H 19TH INF
319532	84R	122685	SA TO VANCOUVER ORD DEPOT	335947	84R	080486	CO F 16TH INF
319544	84R	122685	SA TO VANCOUVER ORD DEPOT	335958	84R	052786	CO B 19TH INF
320065	84R	080187	CO H 16TH INF	335965	84R	080187	CO B 19TH INF
320306	84R	122986	CO F 19TH INF	335978	84R	080187	CO B 19TH INF
320322	84R	080187	CO F 19TH INF	336769	84R	030686	SA TO VANCOUVER ORD DEPOT
320383	84R	080187	CO C 16TH INF	336772	84R	030686	SA TO VANCOUVER ORD DEPOT
321209	84B	092986	CO E 16TH INF	336773	84R	030686	SA TO VANCOUVER ORD DEPOT
324355	84R	042387	CO F 16TH INF	336779	84R	030686	SA TO VANCOUVER ORD DEPOT
324511	84R	080486	CO F 16TH INF	336782	84R	030686	SA TO VANCOUVER ORD DEPOT
326014	84R	072587	BATTY A 5TH ART	336797	84R	030686	SA TO VANCOUVER ORD DEPOT
329517	84R	121885	SA TO VANCOUVER ORD DEPOT	336811	84R	030686	SA TO VANCOUVER ORD DEPOT
329518	84R	121885	SA TO VANCOUVER ORD DEPOT	336814	84R	030686	SA TO VANCOUVER ORD DEPOT
329603	84R	121885	SA TO VANCOUVER ORD DEPOT	336816	84R	030686	SA TO VANCOUVER ORD DEPOT
329607	84R	121885	SA TO VANCOUVER ORD DEPOT	336819	84R	030686	SA TO VANCOUVER ORD DEPOT
329611	84R	121885	SA TO VANCOUVER ORD DEPOT	336825	84R	030686	SA TO VANCOUVER ORD DEPOT
329617	84R	121885	SA TO VANCOUVER ORD DEPOT	336829	84R	030686	SA TO VANCOUVER ORD DEPOT
329618	84R	121885	SA TO VANCOUVER ORD DEPOT	336831	84R	030686	SA TO VANCOUVER ORD DEPOT
329621	84R	121885	SA TO VANCOUVER ORD DEPOT	336833	84R	030686	SA TO VANCOUVER ORD DEPOT
329624	84R	121885	SA TO VANCOUVER ORD DEPOT	336834	84R	030686	SA TO VANCOUVER ORD DEPOT
329630	84R	121885	SA TO VANCOUVER ORD DEPOT	336844	84R	030686	SA TO VANCOUVER ORD DEPOT
329637	84R	121885	SA TO VANCOUVER ORD DEPOT	336846	84R	030686	SA TO VANCOUVER ORD DEPOT
	thru			336850	84R	030686	SA TO VANCOUVER ORD DEPOT
329639	84R	121885	SA TO VANCOUVER ORD DEPOT	337245	84R	030686	SA TO VANCOUVER ORD DEPOT
329643	84R	121885	SA TO VANCOUVER ORD DEPOT	337506	84R	030686	SA TO VANCOUVER ORD DEPOT
	thru			337517	84R	030686	SA TO VANCOUVER ORD DEPOT
329645	84R	121885	SA TO VANCOUVER ORD DEPOT	337553	84R	030686	SA TO VANCOUVER ORD DEPOT
329649	84R	121885	SA TO VANCOUVER ORD DEPOT	337555	84R	030686	SA TO VANCOUVER ORD DEPOT
329670	84R	121885	SA TO VANCOUVER ORD DEPOT	337564	84R	030686	SA TO VANCOUVER ORD DEPOT
329703	84R	121885	SA TO VANCOUVER ORD DEPOT	337566	84R	030686	SA TO VANCOUVER ORD DEPOT
329740	84R	122485	SA TO VANCOUVER ORD DEPOT	337567	84R	030686	SA TO VANCOUVER ORD DEPOT
329742	84R	121885	SA TO VANCOUVER ORD DEPOT	337569	84R	030686	SA TO VANCOUVER ORD DEPOT
329861	84R	122485	SA TO VANCOUVER ORD DEPOT	337574	84R	030686	SA TO VANCOUVER ORD DEPOT
329862	84R	122485	SA TO VANCOUVER ORD DEPOT	337581	84R	030686	SA TO VANCOUVER ORD DEPOT
329865	84R	122485	SA TO VANCOUVER ORD DEPOT	337653	84R	030686	SA TO VANCOUVER ORD DEPOT
329889	84R	122485	SA TO VANCOUVER ORD DEPOT	337665	84R	030686	SA TO VANCOUVER ORD DEPOT
329896	84R	122485	SA TO VANCOUVER ORD DEPOT	337676	84R	030686	SA TO VANCOUVER ORD DEPOT
329917	84R	122485	SA TO VANCOUVER ORD DEPOT	337683	84R	030686	SA TO VANCOUVER ORD DEPOT
329938	84R	122485	SA TO VANCOUVER ORD DEPOT	337689	84R	030686	SA TO VANCOUVER ORD DEPOT
329950	84R	122485	SA TO VANCOUVER ORD DEPOT	337693	84R	030686	SA TO VANCOUVER ORD DEPOT
330011	84R	122485	SA TO VANCOUVER ORD DEPOT	337770	84R	030686	SA TO VANCOUVER ORD DEPOT
330016	84R	122485	SA TO VANCOUVER ORD DEPOT	337803	84R	030686	SA TO VANCOUVER ORD DEPOT
330121	84R	122485	SA TO VANCOUVER ORD DEPOT	337830	84R	030686	SA TO VANCOUVER ORD DEPOT
330200	84R	122485	SA TO VANCOUVER ORD DEPOT	337841	84R	030686	SA TO VANCOUVER ORD DEPOT
330263	84R	122485	SA TO VANCOUVER ORD DEPOT	337966	84R	032686	BATTY G 3RD ART
330264	84R	122485	SA TO VANCOUVER ORD DEPOT	339770	84R	080586	USMA
330269	84R	122485	SA TO VANCOUVER ORD DEPOT	339772	84R	081486	USMA
330281	84R	122485	SA TO VANCOUVER ORD DEPOT	339773	84R	081486	USMA
330290	84R	122485	SA TO VANCOUVER ORD DEPOT	339808	84R	080586	USMA
330295	84R	122485	SA TO VANCOUVER ORD DEPOT	339927	84R	080586	USMA
330311	84R	122485	SA TO VANCOUVER ORD DEPOT	339939	84R	080586	USMA
332402	84R	061386	9TH CAV	340022	84R	080586	USMA
332584	84R	060286	9TH CAV	340036	84R	080586	USMA
	"	84R	061386 9TH CAV	340058	84R	080586	USMA
335002	84R	080187	CO A 16TH INF	340064	84R	080586	USMA
335125	84R	062587	CO A 16TH INF	340080	84R	080586	USMA
335134	84R	062487	CO A 16TH INF	340084	84R	080586	USMA
335146	84R	062587	CO A 16TH INF	340087	84R	080586	USMA
335154	84R	080187	CO H 19TH INF	340096	84R	080586	USMA
335159	84R	080187	CO E 19TH INF				thru
335221	84R	080187	CO A 16TH INF	340098	84R	080586	USMA
335272	84R	080187	CO H 19TH INF	340103	84R	080586	USMA
335291	84R	080187	CO E 19TH INF	340106	84R	080586	USMA
335309	84R	061587	CO A 16TH INF	340216	84R	081486	USMA
335310	84R	082886	CO G 19TH INF	340237	84R	080586	USMA
335314	84R	080187	TRP F 3RD CAV	344201	84R	062087	CO A 16TH INF
335319	84R	063087	CO A 16TH INF	345298	84R	092186	WHITTEMORE CAM TRIAL
335335	84R	070487	CO A 16TH INF	345760	84R	092186	WHITTEMORE CAM TRIAL
335341	84R	080187	CO A 16TH INF	349279	84R	082587	USMA
335344	84R	070487	CO A 16TH INF	349910	84R	082587	USMA
335419	84R	040187	CO A 16TH INF	359066	84R	092186	WHITTEMORE CAM TRIAL
	"	84R	080187 CO A 16TH INF	359463	84R	092186	WHITTEMORE CAM TRIAL
335549	84R	080187	CO I 16TH INF				
335659	84R	080187	CO D 19TH INF				

Model Code(s): B = Rod bayonet R = Service Rifle
 Total Entries: 333

SPRINGFIELD ARMORY PRODUCTION

Fiscal Year 1886

Manufactured Arms

32,524 Springfield Rifles, Model 1884
 1,003 Springfield Rod Bayonet Rifles, Model 1884
 5,000 Springfield Carbines, Model 1884
 1,000 Springfield Carbines, Experimental, 24" barrel
 153 Field & Cavalry Officers Sabre
 1 Field & Cavalry Officers Sabre, Folding Scabbard
 1 Officers Sword, Folding Scabbard
 1 Officers Sword, Folding Blade & Scabbard

Appendages and Miscellaneous

300 Chamois Skin Sabre Cases
 10,163 Bayonet Scabbard Bodies, steel
 1,491 Front Sight Cavers, Carbine
 6,382 Front Sight Covers, Rifle
 33,221 Headless Shell Extractors, Model 1882
 5,000 Jointed Ramrods, Springfield Carbine
 1,000 Jointed Ramrods, Springfield Carbine, Experimental
 4,540 Pistol Grips, metallic
 9,400 Wooden Wiping Rods, Carbine
 28,250 Wooden Wiping Rods, Rifle
 50 Inspecting Mirrors, "Russell"

Other Work Done

Inspecting Gatling & Gardner guns and Colts revolvers at Hartford, Conn. and Spencer shot guns at this Armory

Parts

80 Stocks, assembled, Springfield Carbine, Experimental
 30 Stocks, assembled, Springfield Rod Bayonet Rifle
 Various parts for Springfield rifle, carbine, cadet rifle,
 and shot guns; parts for Hotchkiss Navy rifle, Chaffee-Reece rifle,
 and Field & Cavalry Officers Sabre

Experiments and InvestigationsDateSubject1885

July 8 Carriage for Gatling gun, Model 1883
 Sept. 13 Col. J. C. Kelton's recommendation of a certain bullet
 Sept. 17 Alteration in Gatling guns, models prior to 1883, to enable it
 to use long or short cartridges
 Oct. 14 Josephus Baum's device for bullet

1886

Jan. 11 Shot gun submitted by Lester A. Bartlett
Feb. 4 Cam and firing pin for Springfield rifle submitted by Lt. Col.
J. M. Whittemore
Feb. 4 Army revolvers submitted by Merwin, Hulbert & Co.
Feb. 10 Remarks on "Memorandum concerning a reduction of calibre in
the U. S. Service small arms".
Feb. 26 Bullard military magazine and single loading rifle
Apr. 1 Modified Springfield rifle submitted by Lt. Col J. M. Whittemore
Apr. 12 Headless shell extractor submitted by Capt. J. B. Irvine
May 27 Inspecting mirror for Springfield rifle and carbine submitted
by Capt. A. W. Russell

SPRINGFIELD ARMORY PRODUCTION

Fiscal Year 1887

Manufactured Arms

36,106 Springfield Rifles, Model 1884
 5,000 Springfield Carbines, Model 1884
 150 Field & Cavalry Officers Sabres

Appendages and Miscellaneous

10,144 Bayonet Scabbard Bodies, steel
 23 Bayonets complete, Springfield Cadet Rifle
 20 Cadet Fencing Bayonets
 10 Cadet Fencing Muskets
 10 Cadet Fencing Musket Stocks
 21,300 Headless Shell Extractors, Model 1882
 200 Headless Shell Extractor & Drifts
 5,000 Jointed Ramrods, Springfield Carbine
 11 Pistol Grips, metallic
 21,697 Screw Drivers, Model 1879
 5,000 Wooden Wiping Rods, Carbine
 16,650 Wooden Wiping Rods, Rifle

Parts

25 Bands, upper, Hotchkiss Navy Rifle
 56 Rear Sights, complete, Springfield Carbine 24-in. barrel
 5 Sight Protector Bands for Carbine
 30 Special Barrels for Navy Dept.
 23 Stocks, wood part, Springfield Shot Gun
 125 Stocks, complete, Springfield Rifle Model 1868
 6 Wipers, Springfield Rod Bayonet Rifle

Various parts for Springfield rifle, carbine, cadet rifle, and shot guns

Arms Cleaned and Repaired

5,562 Rear Sights, Model 1884, repaired and improved

Various Springfield rifles, carbines, cadet rifles, rod bayonet rifles, double-barreled shot guns, and officers swords and sabres cleaned and repaired

Other Work Done

Applying Kelton's safety stop to 25 Smith & Wesson revolvers
 Inspecting Gatling Guns and Colt's Revolvers at Hartford, Conn.

Experiments and InvestigationsDateSubject1886

July 6 Headless shell extractor patented in 1883 by John McDermott

July 29 Magazine rifle submitted by Frank Rees of New York

Sept. 21 Modified Springfield rifle constructed in accordance with directions from Lt. Col. J. M. Whittemore

Nov. 5 Modified Springfield rifle devised by Lt. Col. A. R. Buffington

Nov. 6 Headless shell extractor invented by Lt. H. S. Scott, 25th Infantry, and submitted by M. S. Thompson

Nov. 22 Rifle on the Springfield principle modified with a detachable cartridge magazine, submitted by Col. J. C. Kelton

1887

March 7 Magazine rifle submitted by Gen. W. B. Franklin

April 1 Modified firing pin for Springfield rifle suggested by Capt. Frank Baker

April 2 Piercing of the cartridge primer by firing pin of service rifle, reported by Capt. J. C. Clifford

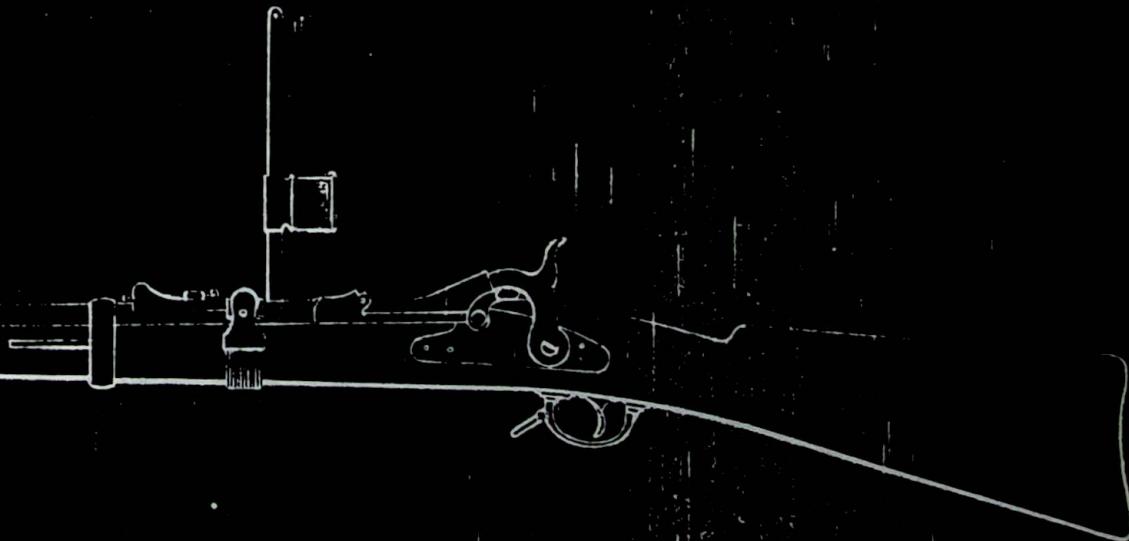
May 11 Magazine attachment submitted by Col. J. C. Kelton

May 21 Modified lock for Springfield rifle submitted by Capt. J. C. Clifford

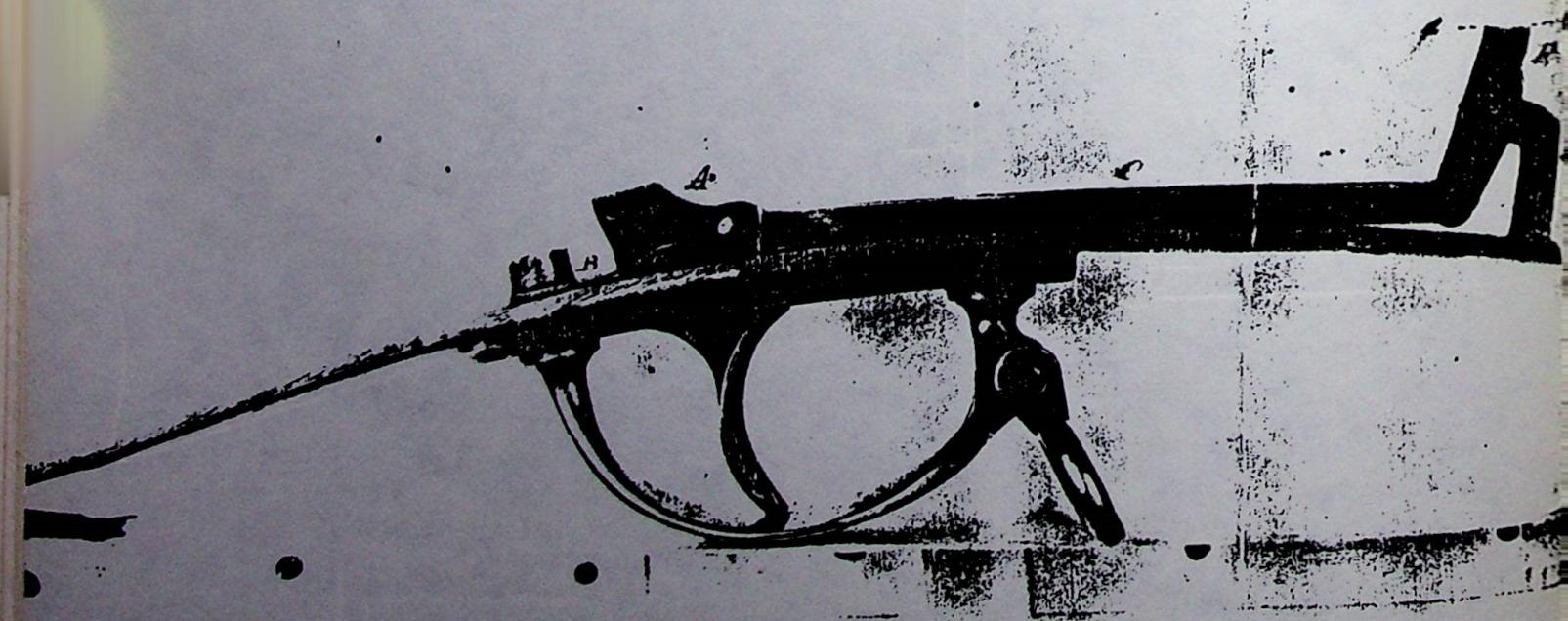
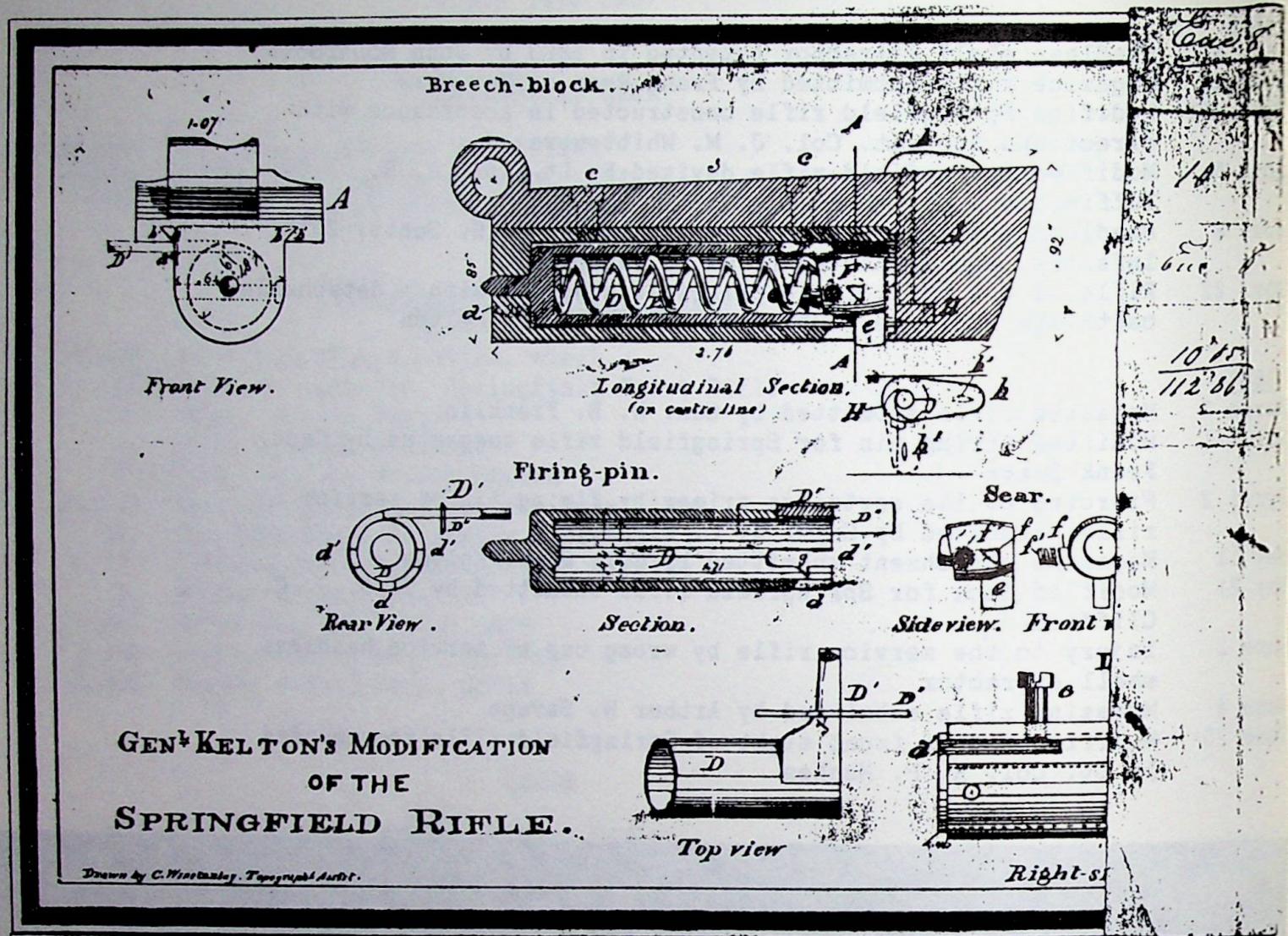
June 2 Injury to the service rifle by wrong use of service headless shell extractor

June 4 Magazine rifle submitted by Arthur W. Savage

June 20 Modification of front sight of Springfield rifle recommended by Lt. Col. R. P. Hughes



Belgian Pieper Aiming Devices procured for use on the Trapdoor starting in 1887
(image reversed on original)



Drawings and Details of the Hammerless Trapdoor Breech Mechanism
Developed by Col. J. C. Kelton in 1886

ROCK ISLAND ARSENAL PRODUCTION

Fiscal Year 1921

Principal Articles Manufactured

19,590 Barrels & Receivers, U.S. Rifle, Model 1903, assembled
100 Receivers, U.S. Rifle, Model 1903, assembled
1,500 Bands, Lower, mfg for modifying

Principal Articles Repaired**1. Rifles and Carbines**

U.S. Rifles, Cal. .30, M1917 and Spare Parts
U.S. Rifles, Cal. .30, Model 1903 and Spare Parts
Browning Automatic Rifles, Model 1918
U.S. Rifles, Cal. .22, Model 1903
298 Winchester Rifles, Caliber 22
500 Krag Carbines

2. Pistols and Revolvers

Pistols, Auto., Cal. .45, Model 1911
Revolvers, Colt, Cal. .38
Revolvers, Colt, Cal. .45, Model 1909
Revolvers, Colt, Cal. .45, Model 1917
Revolvers, S&W, Cal. .45, Model 1917

3. Shot Guns

Badger, Remington, and Winchester Shot Guns

4. Hand Arms

Bayonets, Model 1905 and 1917
Bolos, Model 1910 and 1917
Trench Knife Scabbards, Model 1918
Parts for Bolo Bayonet Scabbard, Model 1915

ROCK ISLAND ARSENAL PRODUCTION

Fiscal Year 1922

SMALL ARMS MATERIAL

Revolvers, Rifles, Pistols, and Spare Parts, etc.

1. Rifles

U.S. Rifles, Cal. .30, Model 1903 and Spare Parts (Repaired)
16,554 Barrels, for U.S. Rifles, Cal. .30, M.1903
9,131 Rear Sights, Complete (Modified) for U.S. Rifle, Cal. .30, M.1903
Miscellaneous Tools and Fixtures for modifying Drift Slides for
U.S. Rifle, Cal. .30, M.1903
38 U.S. Rifles, Cal. .22, Model 1903 (Repaired)
6 Silencers, Maxim w/attachment for Bayonet, M.1905, for U.S. Rifle, Cal.
.30, M.1903 (Repaired)
40 Silencers, Maxim, complete, M.1910 for U.S. Rifle, Cal. .30, M.1903
(Repaired)
2,703 Rifles, Krag, M1898 (Repaired)
500 Barrels, U.S. Magazine Rifle, M1898 (Modified)
Spare Parts for U.S. Rifles, Cal. .30, M1917 (Repaired)
14,545 Sights, Front, for Cal. .30 M.1917 Rifle (-.015) (Modified)
104 Winchester Rifles, Caliber 22 (Repaired)

2. Pistols and Revolvers

147 Pistols, Auto., Cal. .45, Model 1911 (Repaired)
2,605 Revolvers, Colt, Cal. .38 (Repaired)
613 Revolvers, Colt, Cal. .45, Single Action (Repaired)
506 Revolvers, Colt, Cal. .45, M.1917 (Repaired)
145 Revolvers, S&W, Cal. .45, M.1917 (Repaired)

3. Shot Guns

51 Shot Guns, various models, 12-gauge (Repaired)

4. Hand Arms

Bayonets, Model 1905 and 1917 (Repaired)
Bolos, M.1910 and 1917 (Repaired)
1,747 Trench Knives, Model 1918 (Repaired)
6 Cutlasses, Model 1862 (Repaired)
1,973 Sabers, Cavalry, M.1913 (Repaired)
Modifying Bayonet Scabbards, M.1905, to M.1910
50 Bayonet Scabbards, for Stiletto type Bayonet

ROCK ISLAND ARSENAL PRODUCTION

Fiscal Year 1923

SMALL ARMS MATERIAL

Revolvers, Rifles, Pistols and Spare Parts, etc.

1. Rifles

2 Rifles, Cal. .30, M.1903 (Repaired)
331 Rifles, Krag, M.1898 (Repaired)
1,331 Rifles, Krag, M.1898 (Modified to Carbine Barrels)
Rifles, Krag, & Carbine (Stargaging & Targeting)
50 Carbines (Modify)
3,250 Plates, Butt Swivel (Parkerize)
33 Dischargers, Rifle Grenade, M.IV (Repaired)

2. Pistols and Revolvers

1,029 Pistols, Automatic, Cal. .45, M.1911 (Repaired)
3,482 Magazines, Automatic Pistol (Repaired) M.1911
85 Pistols, Very, 25 m/m M.IV (Repaired)
180 Revolvers, Colt, Cal. .45, M.1917 (Repaired)
38 Revolvers, S&W, Cal. .45, M.1917 (Repaired)

3. Hand Arms

1,094 Bayonets, M.1905 (Repaired)
5,098 Bayonets, M.1917 (Repaired)
199 Bolos, M.1910 (Repaired)
408 Bolos, M.1917 (Repaired)
55 Sabers, Cavalry, M.1913 (Repaired)
83 Scabbards, Cavalry Saber, M.1913 (Repaired)
255 Scabbards, Bayonet, M.1905 (Repaired)
7,550 Scabbards, Bayonet, M.1910
251 Scabbards, Bayonet, M.1910 (Repaired)

4. Miscellaneous

4,696 Rods, Barrack Cleaning, M.1918 (Repaired)
1,407 Rods, Parts for Cleaning (Repaired)
2,358 Cases, Cleaning Rod, M.1916 (Repaired)
30 Keys, Blank
12 Lockers, Arm (Repaired)
100 Chests, Arm (Modify)
11 Gauges, Head Space (Repaired)