Singer 7-10

MR. F. A. PARK

Price List of Parts HISTORICAL COPY DO NOT REMOVE

No. 7-10

MACHINE



The Singer Manufacturing Company.

List of Parts No. 7-10

MACHINE.

In ordering from this list, use ONLY the PART number, in the first column.

Each number always indicates the **SAME PART** in whatever list it appears, or for whatever machine.

The letters after some of the numbers indicate the style of finish only, as follows:

- A. Hardened, Polished and Plated.
- B. Polished and Plated.
- C. Hardened only.
- D. Polished
- E. Soft, not Polished.

These letters MUST BE USED when they appear in the list, and AFTER the number, as in the list.

In this series

1 to 1500 are Screw Numbers.

1501 " 1800 " Nut

1801 " 2000 " Roller

2001 and upward are numbers of Machine Parts.

The figures in the second column refer only to the plates, illustrating the parts, and are NOT TO BE USED in ordering.

Parts marked with an asterisk (*) are furnished only when repairs are made at factory.

PARTS COMPLETE FOR

7-10 MACHINE.

DROP FEED, ADJUSTABLE PRESSER, EITHER VIBRATING OR STATIONARY.

No. Plate.	Name.	Each	. Old No.	
* 11911	Arm	.20 0	00	
8702 887	" Dowel Pin	. 1	.5 3	
872E 900	" Screw	. 1	0	
11912	" Shaft	. 7 ()0	
11354 830	" Bushing	. 7	5 5	
437c 899	" Set Screw	. 0)4 —	
11913 825	" Side Cover	. 2	85 —	
65D 899	" " Screw	, 1	5 —	
11517 854	Balance Wheel with 347c	. 2 5	0 278	
11518 859	" Key	. 1	0 279	
, 847c 900	" Set Screw	. (08	
* 11359	Bed	.18 5	50	
11519 858	" Foot Bracket	. 1	10 281	
135E 899	" " Screw	. 0)5 —	
670£ 862	" Front Bearing Clamping Screw	. 0) 6 —	
11363 825	Crank Connecting Rod	. 12	206	
* 11364	" Cap			
145E 899	" Screw.		4	
565c 898	" " Hinge Screv	v 1	l5 —	
1513 890				
	Nut	. 0)5	
11865 855	Face Plate	. 20	00 —	
161D 901	" " Screw	. ()4. —	
11866 ——	" " complete, 11865 with 190			
	910c, 11867, 11868, 11871 to 11876			
	and two each 164p and 8800	. 5 7	75 —	
11365 828	Feed Bar		50 2 5	
307 o 898	" Screw Centre)6 —	
1513 890	" " " Nut	. 0)5 —	
11367 830	" Cam with two 445c		0 12	
445c 900	" Set Screw	. (93 —	
11368 830	" Connecting Link	. 8	35 16	
565c 898	" " Hinge Screw	. 1	l 5 -	
1513 890		-		
	Nut)5	
11893	Feed Dog for general work			
11521 856	Dag Handles		75 288	
166p 899	ocrew)7 —	
11870 825	" Forked Connection			
565g 898	" " Hinge Scr.	. 1	l5 —	
1513 890		,	ns.	
11371 825	Feed Lifting Rock Shaft)5 — 40 81	
11872 —	" " 11371 with		tv 01	
11912	11874 11871 WILL	-	35 29	
		. ~ 0	~ ***	

1374 830 Feed Lifting Rock Shaft Crank with 4580 and 1861	No. Plate	Name	Fach.	Old No.
458c and 1861	11374 830			p.u. 110.
2117 890 Feed Lifting Rock Shaft Crank Pin. 01 86 862		453c and 1861		_
## ## ## ## ## ## ## ## ## ## ## ## ##		Feed Lifting Rock Shaft Crank Pin.	01	23
Series	1861 862	Roller	•	
Screw	450 000	and Stud	35	
1508 898 Feed Lifting Rock Shaft Screw Centre	4550 899			
Centre	E01- 000	Screw		
1508 890 Feed Lifting Rock Shaft Screw Centre Nut.	904C 595			
Centre Nut	1500 000			
11375 830 Feed Regulator 60 208 568E 898 " " Hinge Screw 15	1000 000			
568E 898 " " Hinge Screw	11275 820	Food Populator		
11376 825 " Rock Shaft				
11376 825		ringe ocrew		
11877		I HUILD		
11379 893 " " " Crank with 453c 60 22				
2117 890		11910 MICH 11919		
1508 809 1		Orank with 4900		
1508 898 " " " Screw Centre 12		·· Fill.,,,		
1508 890 " " " " Nut. 06		ret bulew		
25881 894 Guide		Gerew Gentie		
254b 902		1111		
11522 855				
11523 856 " " " Bell Crank		Thumb Screw		4
11524 856				
justing Link		Den Clank		307
Lifting Presser Bar Bell Crank Adjusting Link 11524 with 1518, 1828 and 2718	11024 500			956
justing Link 11524 with 1518, 1828 and 2718	11525		1 00	000
and 2718				
Company				208
justing Link Adjusting Screw	611p 905		1 00	000
80 898			19	_
justing Link Hinge Screw 20	8p 898		-~	
1828 862 Lifting Presser Bar Bell Crank Adjusting Link Roller and Screw 872c 25	0 000		20	_
justing Link Roller and Screw 872c 25	1828 862	Lifting Presser Bar Bell Crank Ad-	~0	
372c 898			25	***
1518 890 Lifting Presser Bar Bell Crank Adjusting Link Roller Screw Nut 04 —	372c 898		~0	
1518 890 Lifting Presser Bar Bell Crank Adjusting Link Roller Screw Nut 04 2718 862 Lifting Presser Bar Bell Crank Adjusting Link Roller Screw Nut Washer 01 809			12	
justing Link Roller Screw Nut 04	1518 890			
2718 862 Lifting Presser Bar Bell Crank Adjusting Link Roller Screw Nut Washer	1010			_
justing Link Roller Screw Nut Washer	2718 862		٠.	
Washer				
11526 880 Lifting Presser Bar Bell Crank Connection Stud		Washer		809
nection Stud	11526 889	Lifting Presser Bar Bell Crank Con-	0-	-
11527 — Lifting Presser Bar Bell Crank Connection Stud 11526 with 164p, 11528 and two 858c	210,00 000		75	
nection Stud 11526 with 164p, 11528 and two 858c	11527			
and two 858c	_ ,,,,,,,			
1640 899 Lifting Presser Bar Bell Crank Connection Stud Screw				310
nection Stud Screw	164n 899			0-0
11528 862 Lifting Presser Bar Bell Crank Con-			04	_
	11528 862			
			15	311

	6						7	
			ALL M.	7	N.	Diala	Name Eac	h. Old No.
No. Plate	,		Old No.		No. 11841	Plate 827	Oscillating Rock Shaft (steel) 1	_
85 8c 900	Lifting Presser Bar Bell Crank Con-				11398	827	, ,	75 256
	nection Stud Set Screw	08			1508	890	221160 2 111.11	06 —
11867 857			305			899	u u u u u ser,	00
11531 881	Diacket				0220	000		15 —
2117 890	and the second s		23		1508	890	Oscillating Rock Shaft Hinge Pin	
11868 860	Tinge	10	_				,	06 —
910c 900	Set Screw	03		i	11165	897		01
11409 827		15	50		11842		" " 11841 with	
11869 860			•				622c, 11165, 11398 and two 1508 2	75 —
11000 000	Block		_		11850	825	Oscillating Shaft 1	
592a 901	Lifting Presser Bar Spring Adjusting			ret.	11393	887	" Collar with two 4530	10 354
0200 001	Block Set Screw		_		4530	899	" " Set Screw (02
11538 855			286		11848		" Crank	30
11539 856			288		11849	830	" " 11848 with 1885	75 —
566c 898	Ç				2117	890	" " Pin (01 23
0000 050	Screw	4 10			1885	900	" " Roller and Scr.	
1513 890	Needle Bar Connecting Link Hinge							40 —
_	Screw Nut				190	899	Oscillating Shaft Crank Roller Cap	
11541 889	Needle Bar Connecting Stud	1 25	287	i				03
129p 901	" " Clamp-				5 968	887	Oscillating Shaft Crank Roller Cap	
	ing Screw							02 —
446c 899	Needle Bar Connecting Stud Set Scr.		_			899		02 —
258p 899			_		11851	833	Shuttle (cylinder), 3-in. diameter, with	• •
11898 860				1			11910 6	
190 899			_		11910	833	,	25 —
11542	. " Clamp with 680p and 11385			1	11852	883	- J	50 —
10106 862			291		8961	833	8	02 63
11385 890			40		11853	833		15 —
10107 862			292		12002	883	1 111	01 —
830 903			_		11854	838	opring	03 —
680p 869						901	ocrew	02
11543 889			290	1	11856	830		75
	and two 10106		294	**	2117		I 111	01 28
11387 —-	- Oil Cup					899	Det Beleit	02 —
11917					11855	833	riame	
9084 88	, Imager more				11832	880	" Race Back 1	
2205 86	inter spring				11833	889	DOMELT III	01 —
207 90				i	11834		Spring	25
135р 89				i		901	DCIEW	15 —
11919 88					11835		Divily 1111 1	
8953 —	02 (/ e		281		11837	825	Plante with 11000	
5480 88	7 " " Washer (steel		_	i	11888	889	1 Obliton 1 th	03 —
11918 88				,	11836	825	" complete, Nos. 32D,	00
11918 88	for 11917					000	11832, 11834, 11835 and two 11833. 4	
207 90				1		899		05
			-	ı	11545	858	Dilde (ouch)	50 819
11920 85	9084, 11887, 11917, 11918,11919, two	,			180		Deten	03 —
	8953 and three 207				11418		(110111)	35 318
11844 05				†		901		05 —
11544 85 190 89				*	8964	888	" Spring	40 360
าลก อล	n		•	Ì				

	o de la companya de			7				
No. Plate	Name E	ach.	Old No.	No.	Plate	Name	Each.	Old No.
11879 —	Spool Holder Bracket	25	-	56	7n 898	Thread Take-up Lever Hinge Screw	15	_
11880 855	" " 11879 with 11881	50		184	5 899	" " " Roller and	l	
381p 899	" " Screw	06				Screw Stud	30	
851E 857	" Tension Spool Pin with			151	8 890	Thread Take-up Lever Roller and	Į	
	fixed cone	15	_	\$		Screw Stud Nut	04	_
8019 887	Spool Holder Tension Spool Pin			1187	4 857	Thread Take-up Spring	15	_
	Spring	02		16	4D 899	" " Screw		_
8018 890	Spool Holder Tension Spool Pin Cone	05	_	880	-	" " Washer		
1541 890	" " Nut.	05	_	1187		" " Regulator		
11881 857	" " com-	0.5		ľ.	4D 899	16 11 16 11	•	
11001 001	plete, Nos. 851E, 1541, 8018 & 8019.	25	_	10	TD 099	Screw	04	_
1560 890	Tension Regulating Thumb Nut	04		880	0 890			
	rension regulating ritumo reactions	U-£		,	000	Screw Washer		90
8905 862	Washer	01	361	1187	6 861	Thread Take-up Spring Thread		.,,
850p 902	Tension Screw Stud	25		1101	0 001	Guard Guard		
	" Spring	10		į 19	0 899			
	oping			į 18	ບ່ອນສ			
11043 897	(http://www.	03			^	Guard Screw		
8879 887	(1010)	01			2	·· · · · · · · · · · · · · · · · · ·		_
11044 897	" Wheel	- 75	٠	1148	4 862	•		
11871	" (wheel) complete, Nos. 850p,					needle hole)		331
	1560, 8791, 8905, 11043, 11044 and			1148	5 862	, ,	,	
	two 8879	1 25	_	\$		needle hole)		
11872 861	Thread Eyelet for 11866	05	_	\ 21	9D 901	Throat Plate Needle Plate Screw	. 02	-
11873 860	" Guard " "	03	_	1148	3 874	" " 11432 with 2190 and	i	
11547	" Retainer Bracket	80	328	Ĺ		11434 or 11435 for 11893	1 00	329
158p 901	" Screw	03	_	1155	5	Throat Plate Body for 11556	. 80	_
2102 888	" Disc	05	84	1155	7 856	" Feed Way Strip (round	i	
1560 890	" Regulating Thumb			\		needle hole)	40	333
2000	Nut	04		20	2 900	•		
8905 862	Thread Retainer Regulating Thumb			1155		•		
	Nut Washer	01	361	1	• 000	two 202		330
633р 862	Thread Retainer Screw Stud	10	_	98	1p 899			
2103 888	" " Spring	03	85	1155				
2049 853	" " Thread Guide Pin.	01		1150		***		001
11546 859	" complete, Nos. 633D,			n 1100	טפיט שו	(upper)		335
11040 000	1560, 2049, 2103, 8905, 11547 and) 1150	o 859	Vibrating Presser Bar Cap Bracke		•
	two 2102	60	327	1		(lower)		336
11067	Thread Take-up Cam			1 19	98 p 0/11	Vibrating Presser Bar Cap Bracke		000
11857			_	,	OE OUI	Screw (inside)		1
8873 887	гш	05			0- 00=	Vibrating Presser Bar Cap Bracke		. —
434c 899	Det Detem	04	. —	, 0,	.4K 900			,
11859	Piece Vibrating Cam	1 00		1		Screw (outside)		
150 001		1 00	, –	1150		9	1200	339
159 901	Thread Take-up Cam Vibrating	0.0		20	19 858		. 01	236
2022 008	Cam Piece Screw	08	s —	1		Pin Daggar Day Uinga Sarar		
2022 887				į.	81D 862			
	Cam Piece Steady Pin	0:	ı —	115		oping out.	40	337
11858	Thread Take-up Cam 11857 with			1	00 899	,	,	10
	2022, 11859 and two 159			<u>"</u>	a	Screw)3 —
11844			0	115	64 862			
11845 856						Spring		2 338
	1845	1 5	0 321	115	65 859	Vibrating Presser Bar Stop complete	-	
		•		;		Nos. 682D, 3146, 11566 and 11567.	. 40	341

		10			4			11
	Piate	Name	Each. 0	ld No.				PARTS COMPLETE FOR
11566 314 6		Vibrating Presser Bar Stop Block		342				CUIDE (ADJUSTABLE).
****	200	Washer (front)		343				
11567	862	Vibrating Presser Bar Stop Block				No. Pl	late.	Name, Each, Old No.
8991	862	Washer (inside) Vibrating Presser Bar Stop Thumb		344				Guide Block
0021	002	Screw				11582 8	857	" Bracket 50 —
11568	859	Vibrating Presser Foot (narrow)		345		771n 9	902	" " Thumb Screw 10 -
11569	859	" " (wide)		846		11583	857	" Plate 1 75 —
11570		" " for bag		UEU		283D 9		" " Screw 10 —
		handles		347			890	" " Washer 06 90
11571		Vibrating Presser Foot for blinds	1 00	348	4	760p 8		" Regulator Screw 60 —
11572	859	" " " traces					889	Dowel i mi.: 01 250
11870	050	(narrow)		349		1750 9		" Stop Screw 02 — " Thumb Nut 30 —
11573	859	Vibrating Presser Foot for traces				1576		" complete, Nos. 175p, 760p,
1841	899	(wide) Vibrating Presser Foot Screw		3 50		11580	_	771p, 1576, 2269, 11581 to 11583 4 50
-020		Trotaing Tresser 1 oot octeniii	02	_				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
		ACCESSORIES.						·
							7	ABLE BOBBIN WINDER.
No. i			Each. Oi	ld No.				Name. Each. Old No.
25957	895	Oiler with 4½-in. spout		70A.&A		No. Pi		Belt
25958		" Spout, 4½-in				11767 -		" 11767 with 25028 05 370
26026	895	Screw Driver				11100	889	" Hook 01 371
11831 8909	895 894	o-in. orane		_			892	Frame
8910		Wrench for 1518 and 1518		852			859	Pulley 15 365
0010	004	011	29				892	" Driving Wheel 50 366
							893	" " Handle 03 -
						11762	893	" " " Stud 10 —
		PARTS COMPLETE FOR			1	8382	887	
		•			***			Washer
		BINDER (ADJUSTABLE)	•			11761	859	Pulley Driving Wheel Handle complete, Nos. 8880, 8382 and 11762 10 369
								piete, Mos. 6560, 6562 and 11102 10
W	Diele	Name	F L . O.	J N -		11763	859	Pulley Driving Wheel Stud 10 367
	Plate.		Each. Ol	d No.			859 889	Pulley Driving Wheel Stud 10 367
11577		Binder Bed	1 25	d No.		2269		Pulley Driving Wheel Stud
11577 11578	857	Binder Bed " Spring Guide	1 25 15	d No.		2269 11764 11771	889 862 858	Pulley Driving Wheel Stud. 10 367 Pin. 01 153 Washer. 01 368 Spindle 50 364
11577 11578 11579	857 861	Binder Bed	1 25 15 50	d No.		2269 11764 11771	889 862	Pulley Driving Wheel Stud
11577 11578 11579 11882	857 861 861	Binder Bed	1 25 15	d No. 		2269 11764 11771	889 862 858	Pulley Driving Wheel Stud
11577 11578 11579	857 861	Binder Bed	1 25 15 50	d No.		2269 11764 11771 11766	889 862 858 855	Pulley Driving Wheel Stud
11577 11578 11579 11882	857 861 861 861	Binder Bed	1 25 15 50 10	d No		2269 11764 11771 11766	889 862 858 855	Pulley Driving Wheel Stud
11577 11578 11579 11882 7071	857 861 861 861	Binder Bed	1 25 15 50 10 01 02	d No.		2269 11764 11771 11766	889 862 858 855	Pulley Driving Wheel Stud
11577 11578 11579 11882 7071 207 3146	857 861 861 861 901 861	Binder Bed	1 25 15 50 10	d No.		2269 11764 11771 11766	889 862 858 855	Pulley Driving Wheel Stud
11577 11578 11579 11882 7071	857 861 861 861 901 861	Binder Bed	1 25 15 50 10 01 02 01	d No.		2269 11764 11771 11766	889 862 858 855	Pulley Driving Wheel Stud

OBSOLETE PARTS.

No. Plate.	Name.	Eac	h.	Old No.
*11628	Arm	18	50	_
11514 855	" Shaft	7	00	277
*11515 854	" Side Plate			276
11520 854	Face Plate		00	284
11369 856	Feed Dog.		75	282
11529	Lifting Presser Bar Lifter	1	25	_
11580 856	" " " 11529 with	ı		
	11532 and 11533	1	30	302
11532 862	Lifting Presser Bar Lifter Friction			
	Spring		03	3 0 6
11533 862	Lifting Presser Bar Lifter Friction			
	Spring Stud		03	355
11534 862	Lifting Presser Bar Lifter Screw			
	Washer		20	303
11535 8 6 2	Lifting Presser Bar Lifter Screw			
	Washer Steady Pin		01	304
11537 889	Lifting Presser Bar Spring Adjust-			
	ing Block with 435c		75	301
43 5c 900	Lifting Presser Bar Spring Adjusting			
	Block Set Screw		04	-
93 900	Needle Clamp Spring Screw, use 830		04	_
11388 854	Oil Cup complete	1	25	298
8951 862	" " Thread Eyelet		03	295
11396 831	Oscillating Rock Shaft with two			
	each 11400 and 11401	1	50	
11397	Oscillating Rock Shaft 11396 with			
	622c, 11398 and two 1508	2	50	254
11792 831	Oscillating Rock Shaft with two			
	each 11401 and 11793	1		46
11391 855	Oscillating Shaft	1	25	299
11395 837	" " Crank with 1861	,	15	44A
11827 834	Shuttle complete	6		312
11415 —	" Race complete		50	314
11414 859	" Driver with 453e	1 :	25	317
11416 832	" Race Frame	4	75	315
11417 858	" Ring		75	316
11828 834	" Tension Spring		40	313
11548 862	Thread Eyelet for 11520		03	285
11574 862	" Guard for 11538		05	289
11549	" Take-up Cam	5	00	
11550 854	" " 11549 with			
	11551, two each 159, 434c and 2117	6	00	822
11551 859	Thread Take-up Cam Vibrating Cam			
	Piece	1 (323
11552 859	Thread Take-up Spring	- (80	324
11553 859	" " Regulator		10	000
11554 000	Plate		10	3 2 5
11554 862	Thread Take-up Staple		03	826
11575 856	Wrench for No. 611	7	35	353

Numerical List of Parts.

No. Plate 8b 898						
justing Link Hinge Screw	No.	Piate.			Old I	No.
San 901 Shuttle Race Back Spring Screw	8	3p 898	Lifting Presser Bar Bell Crank Ad-			
15			justing Link Hinge Screw	20		
98 900 Needle Clamp Spring Scr. (obsolete). 128z 901 Vibrating Presser Bar Cap Bracket Screw (inside) 04	32	D 901	Shuttle Race Back Spring Screw	15		
128E 901 Vibrating Presser Bar Cap Bracket Screw (inside)	68	id 899				_
128E 901 Vibrating Presser Bar Cap Bracket Screw (inside)	98	900	Needle Clamp Spring Scr. (obsolete).	04		_
Screw (inside)	128	BE 901	Vibrating Presser Bar Cap Bracket			
ing Screw			Screw (inside)	04		
ing Screw	129	ю 901	Needle Bar Connecting Stud Clamp-			
1350 899 Shuttle Race Screw						
185 899 Bed Foot Bracket Screw	135	50 8 99	Oil Cup Screw	05		
145E 899	135	ъ 899	Shuttle Race Screw	05	-	_
1580 901	135	r 899	Bed Foot Bracket Screw	05		•
159 901	147	E 899	Crank Connecting Rod Cap Screw	04		_
Screw	158	3D 901	Thread Retainer Bracket Screw	03	-	_
Screw	159	901	" Take-up Vibrating Cam Piece	:		
1640 899 Lifting Presser Bar Bell Crank Connecting Stud Screw			Screw	03		_
1640 899 Lifting Presser Bar Bell Crank Connecting Stud Screw	161	ъ 901	Face Plate Screw	04		_
necting Stud Screw	164	o 899	Lifting Presser Bar Bell Crank Con-			
1640 899 Thread Take-up Spring Screw			necting Stud Screw			_
Screw	164	lo 899	Thread Take-up Spring Screw	04		_
1640 899 Vibrating Presser Foot Screw. 04 — 1660 899 Feed Dog Screw. 07 — 1750 901 Guide Regulator Screw Stop Screw. 02 — 180 901 Shuttle Race Slide (back) Screw. 03 — 190 899 Needle Bar Thread Eyelet Screw. 03 — 190 899 Oil Cup Lamp Holder Screw. 03 — 190 899 Vibrating Presser Bar Spring Stud Screw. 03 — 190 899 Vibrating Presser Bar Spring Stud Screw. 03 — 190 899 Thread Take-up Spring Thread Guard Screw. 03 — 202 900 Thread Plate Feed Way Strip Screw. 02 — 207 901 Oil Cup Cover Latch Spring Screw. 02 — 207 901 "or Wax Stripper Washer Screw. 02 — 207 901 Binder Bed Spring Guide Screw. 02 — 207 901 Throat Plate Needle Plate Screw. 02 — 207 901 Throat Plate Needle Plate Screw. 02 — 254p 902 G	164	D 899				
1660 899 Feed Dog Screw 07 1750 901 Guide Regulator Screw Stop Screw 02 180 901 Shuttle Race Slide (back) Screw 03 190 899 Needle Bar Thread Eyelet Screw 03 190 899 Oil Cup Lamp Holder Screw 03 190 899 Oscillating Shaft Crank Roller Cap Screw 03 190 899 Vibrating Presser Bar Spring Stud Screw 03 190 899 Thread Take-up Spring Thread Guard Screw 03 202 900 Throat Plate Feed Way Strip Screw 02 207 901 Oil Cup Cover Latch Spring Screw 02 207 901 or Wax Stripper Washer Screw 02 207 901 Binder Bed Spring Guide Screw 02 2190 901 Throat Plate Needle Plate Screw 02 2540 902 Guide Thumb Screw 40 2540 902 Feed Regulator Thumb Screw 40 2580 899 Needle Bar Screw Bushing 20 2830 902 Guide Plate Screw 10 3070 808 Feed Bar Screw Centre 06 3470 900 Balance Wheel Set Screw 08 3720 898 Liftin				04	-	-
1750 901 Guide Regulator Screw Stop Screw. 02 180 901 Shuttle Race Slide (back) Screw. 03	-			04	-	_
180 901 Shuttle Race Slide (back) Screw				07		
190 899 Needle Bar Thread Eyelet Screw				02	-	_
190 899 Oil Cup Lamp Holder Screw			` ,	03	-	_
190 899 Oscillating Shaft Crank Roller Cap Screw			•	03	-	_
Screw	190			03	-	_
190 899 Vibrating Presser Bar Spring Stud Screw	190	899				
Screw						_
190 899 Thread Take-up Spring Thread Guard Screw 03	190	899	Vibrating Presser Bar Spring Stud			
Guard Screw 03 202 900 Throat Plate Feed Way Strip Screw 02 207 901 Oil Cup Cover Latch Spring Screw 02 207 901 " or Wax Stripper Washer Screw 02 207 901 Binder Bed Spring Guide Screw 02 2190 901 Throat Plate Needle Plate Screw 02 2540 902 Guide Thumb Screw 40 2540 902 Feed Regulator Thumb Screw 40 2580 902 Guide Plate Screw Bushing 20 2880 902 Guide Plate Screw 10 3070 808 Feed Bar Screw Centre 06 3470 900 Balance Wheel Set Screw 08 3720 898 Lifting Presser Bar Bell Crank Ad-				03	-	-
202 900 Throat Plate Feed Way Strip Screw 02 207 901 Oil Cup Cover Latch Spring Screw 02 207 901 or Wax Stripper Washer Screw 02 207 901 Binder Bed Spring Guide Screw 02 2190 901 Throat Plate Needle Plate Screw 02 2540 902 Guide Thumb Screw 40 2540 902 Feed Regulator Thumb Screw 40 2580 902 Guide Plate Screw Bushing 20 2830 902 Guide Plate Screw 10 3070 808 Feed Bar Screw Centre 06 3470 900 Balance Wheel Set Screw 08 3720 898 Lifting Presser Bar Bell Crank Ad-	190	899	Thread Take-up Spring Thread			
207 901 Oil Cup Cover Latch Spring Screw. 02 207 901 " or Wax Stripper Washer Screw. 02 207 901 Binder Bed Spring Guide Screw. 02 2190 901 Throat Plate Needle Plate Screw. 02 2540 902 Guide Thumb Screw. 40 2540 902 Feed Regulator Thumb Screw. 40 2580 899 Needle Bar Screw Bushing. 20 2830 902 Guide Plate Screw. 10 3070 808 Feed Bar Screw Centre. 06 3470 900 Balance Wheel Set Screw. 08 3720 898 Lifting Presser Bar Bell Crank Ad-			Guard Screw		-	_
207 901 " or Wax Stripper Washer Screw. 02 207 901 Binder Bed Spring Guide Screw. 02 2190 901 Throat Plate Needle Plate Screw. 02 2540 902 Guide Thumb Screw. 40 2540 902 Feed Regulator Thumb Screw. 40 2580 899 Needle Bar Screw Bushing. 20 2830 902 Guide Plate Screw. 10 3070 808 Feed Bar Screw Centre. 06 3470 900 Balance Wheel Set Screw. 08 3720 898 Lifting Presser Bar Bell Crank Ad-	202	900	Throat Plate Feed Way Strip Screw	02	-	_
207 901 Binder Bed Spring Guide Screw 02 — 219D 901 Throat Plate Needle Plate Screw 02 — 254D 902 Guide Thumb Screw 40 — 254D 902 Feed Regulator Thumb Screw 40 — 258D 899 Needle Bar Screw Bushing 20 — 283D 902 Guide Plate Screw 10 — 307o 818 Feed Bar Screw Centre 06 — 347c 900 Balance Wheel Set Screw 08 — 372o 898 Lifting Presser Bar Bell Crank Ad-	207	901	Oil Cup Cover Latch Spring Screw		-	_
2190 901 Throat Plate Needle Plate Screw. 02 — 2540 902 Guide Thumb Screw. 40 — 2540 902 Feed Regulator Thumb Screw. 40 — 2580 899 Needle Bar Screw Bushing. 20 — 2830 902 Guide Plate Screw. 10 — 3070 808 Feed Bar Screw Centre. 06 — 3470 900 Balance Wheel Set Screw. 08 — 3720 898 Lifting Presser Bar Bell Crank Ad-	207	901	" or Wax Stripper Washer Screw.	02	-	
254p 902 Guide Thumb Screw	207	901	Binder Bed Spring Guide Screw	02	-	
2540 902 Feed Regulator Thumb Screw 40 — 2580 899 Needle Bar Screw Bushing 20 — 2830 902 Guide Plate Screw 10 — 3070 898 Feed Bar Screw Centre 06 — 3470 900 Balance Wheel Set Screw 08 — 3720 898 Lifting Presser Bar Bell Crank Ad-	219	ъ 901		02	-	
2540 902 Feed Regulator Thumb Screw 40 — 2580 899 Needle Bar Screw Bushing 20 — 2830 902 Guide Plate Screw 10 — 3070 898 Feed Bar Screw Centre 06 — 3470 900 Balance Wheel Set Screw 08 — 3720 898 Lifting Presser Bar Bell Crank Ad-	254	n 902	Guide Thumb Screw	40	_	_
283D 902 Guide Plate Screw 10 — 3070 898 Feed Bar Screw Centre 06 — 347c 900 Balance Wheel Set Screw 08 — 372c 898 Lifting Presser Bar Bell Crank Ad-	254	D 902		40	-	_
3070 898 Feed Bar Screw Centre	258	ъ 899		20	-	
3070 898 Feed Bar Screw Centre	283	ъ 902	Guide Plate Screw	10	-	-
347c 900 Balance Wheel Set Screw 08 — 372c 898 Lifting Presser Bar Bell Crank Ad-	307	o 898	Feed Bar Screw Centre	06	-	_
3720 898 Lifting Presser Bar Bell Crank Ad-	347	o 900	Balance Wheel Set Screw	08	-	_
justing Link Roller Screw 12 —	372	o 898				
			justing Link Roller Screw	12	-	_

No. Plate	Name	Each.	Old No.
381p 899	Spool Holder Bracket Serew	06	_
381D 899	Throat Plate Screw	06	
434c 899	Thread Take-up Cam Set Screw	04	
485c 900	Lifting Presser Bar Spring Adjusting		
	Block Set Scr. for 11537 (obsolete).	04	_
437c 899	Arm Shaft Bushing Set Screw	04	
445c 900	Feed Cam Set Screw	03	
446o 899	Needle Bar Connecting Stud Set Scr.	03	_ _
453o 899	Feed Lifting Rock Shaft Crank Set		
	Screw	02	
453c 899	Feed Rock Shaft Crank Set Screw	02	_
453o 899	Oscillating Shaft Collar Set Screw	02	
453a 899	" Crank Set Screw	02	
453c 899	Shuttle Driver Set Screw	02	
523c 901	Lifting Presser Bar Spring Adjusting		
	Block Set Screw	18	
528e 859	Bobbin Winder Clamping Screw	20	
564o 898	Feed Lifting Rock Shaft Scr. Centre	12	
564a 898	" Rock Shaft Screw Centre	12	_
565o 898	Crank Connecting Rod Hinge Screw.	15	_
565c 898	Feed Connecting Link Hinge Screw.	15	
565c 898	" Forked Connection Hinge Scr.	15	
566c 898	Needle Bar Connecting Link Hinge		
••••	Screw	15	
567D 898	Thread Take-up Lever Hinge Screw	15	
568E 898	Feed Regulator Hinge Screw	15	
590E 901	Shuttle Cylinder Latch Spring Screw	02	_
611D 905	Lifting Presser Bar Bell Crank Ad-		
	justing Link Adjusting Screw	12	_
612x 905	Vibrating Presser Bar Cap Bracket	,	
	Screw (outside)	06	-
622c 899	Oscillating Rock Shaft Hinge Pin	į	
	Screw Bearing	15	
633p 862	Thread Retainer Screw Stud	10	_
670E 862	Bed Front Bearing Clamping Screw.	06	_
680р 862	Needle Clamp Thumb Screw	10	
681p 862	Vibrating Presser Bar Hinge Screw.	08	_
682D 862	" " Stop Thumb	,	
	Screw		_
760n 857	Guide Regulator Screw	60	_
771p 902	" Bracket Thumb Screw	. 10	_
773c 901	Shuttle Tension Regulating Screw	. 05	·
830 901	Needle Clamp Spring Screw	. 05	· —
850р 902	Tension Screw Stud	. 28	· —
851x 857	Spool Holder Tension Spool Pin with	1	
	fixed cone		· —
858a 900			
	necting Stud Set Screw		3 —
872E 900)
910o 900	Lifting Presser Bar Lifter Hinge Pin		
	Set Screw		B

		13		
No.	Plate	Name	Each.	Old No.
1508	890	Feed Lifting Rock Shaft Screw Cen-		
		tre Nut	06	
1508	890	Feed Rock Shaft Screw Centre Nut.	06	
1508	890	Oscillating Rock Shaft Hinge Pin Nut	06	
1508	890	" " " Ser.		
1000	050	Bearing Nut	06	
1518	890	Crank Connecting Rod Hinge Screw	00	
1010	090	Nut	05	
1510	890	Feed Bar Screw Centre Nut	05	
1513		- · · · · · · · · · · · · · · · · · · ·	00	
1513	890	" Connecting Link Hinge Screw	0=	
		Nut	05	
1513	890	Feed Forked Connection Hinge Scr.		
		Nut	05	_
1513	890	Needle Bar Connecting Link Hinge		
		Screw Nut	05	
1518	890	Lifting Presser Bar Bell Crank Ad-		
		justing Link Roller and Screw Nut		
1518	890	Thread Take-up Lever Roller and		
		Screw Stud Nut	04	
1541	890	Spool Holder Tension Spool Pin Nut	05	
1560	890	Thread Retainer Regulating Thumb		
		Nut	04	
1560	890	Tension Regulating Thumb Nut	04	
1576	861	Guide Regulator Screw Thumb Nut.	30	
1828	862	Lifting Presser Bar Bell Crank Ad-		
1020	002	justing Link Roller and Screw 872c.	25	
1845	899	Thread Take-up Lever Roller and		
1849	099	Screw Stud	80	
4004	000			_
1861	862	Feed Lifting Rock Shaft Crank Roller and Stud	35	
1885	900	Oscillating Shaft Crank Roller and		
		Screw Stud	40	
2022	887	Thread Take-up Vibrating Cam		
		Piece Steady Pin		
2049	853	Thread Retainer Thread Guide Pin	01	236
2049	853	Vibrating Presser Bar Guide Bracket		
		Pin		
2102	888	Thread Retainer Disc		
2108	888	" " Spring	03	85
2117	890	Lifting Presser Bar Lifter Bracket	ů	
		Pin	. 01	23
2117	890	Oscillating Shaft Crank Pin	01	23
2117	890	Shuttle Driver Pin	. 01	23
2117		Feed Lifting Rock Shaft Crank Pin.		23
2117		" Rock Shaft Crank Pin		23
2205		Oil Cup Cover Latch Spring		
2269		Bobbin Winder Pulley Driving Whee		
2200	. 500	Stud Pin		158
2269	889	Guide Regulator Screw Dowel Pin.		
2208	008	Office Readings Seron Doner Line.		. 100

No.	Plate	Name	Each.	Old No.
2718	862	Lifting Presser Bar Bell Crank Ad-		
		justing Link Roller and Screw Nut		
		Washer	01	809
3146	861	Binder Bed Spring Guide Screw		
		Washer	01	3 4 3
3146	861	Vibrating Presser Bar Stop Block		
		Washer (front)	01	343
5480	007	Oil or Wax Stripper Washer (steel)		
0400	001	for 11887	01	
F0.00	887	Oscillating Shaft Crank Roller Cap	Ų1	
5968	99.1	-	02	
W084	044	Screw Washer Binder Bed Spring Guide Cam Stud	0.0	
7071	861		Δ1	
	000	Washer	01	
8018	890	Spool Holder Tension Spool Pin Cone.	05	
8019	887	51/11/18	02	
8380	893	Bobbin Winder Pulley Driving		
		Wheel Handle	03	_
8382	887	Bobbin Winder Pulley Driving		
		Wheel Handle Stud Washer	01	
8702	887	Arm Dowel Pin	15	8
8791	888	Tension Spring	10	
8800	890	Thread Take-up Spring Scr. Washer	06	90
8800	890	" " " Regulator	00	00
		Screw Washer	06	90
8800	890	Guide Plate Screw Washer	06	
8873	887	Thread Take-up Cam Pin	05	81
8879	887	Tension Washer (felt)	01	
8905	862	" Regulating Thumb Nut	01	861
	0.00	Washer.	VI	901
8905	862	Thread Retainer Regulating Thumb	01	861
	00.4	Nut Washer		852
8909	894	Wrench for 1518 and 1518	15 2 5	- 502
8910	894	011 1000	03	295
8951	862	Oil Cup Thread Eyelet (obsolete)		
8953		" or Wax Stripper (felt)	03	297 63
8961	833	Shuttle Cylinder Hinge Pin	02	
8964	833	" Tension Spring	40	
9084	889	Oil Cup Cover Hinge Pin	02	
10106	862	Needle Clamp Disc	08	
10107	862	Spring	01	292
11043	897	Tension Washer (steel)	08	
11044	897	" Wheel	75	
11165	897	Oscillating Rock Shaft Oil Pad	01	
11854	830	Arm Shaft Bushing	75	
11359		Bed	18 50	
11863	825	Crank Connecting Rod	1 25	
11864		" Cap	_	
11365	828	Feed Bar	1 50	
11367	830	" Cam with two 445c	1 00	
11868	880	" Connecting Link	35	
11369	856	" Dog (obsolete)	75	282

No.	Plate			Old No.
11370	825	Feed Forked Connection	1 75	207
11371	825	" Lifting Rock Shaft		31
11372		" " " 11371 with	0.05	- 00
		11374	2 30	29
11374	830	Feed Lifting Rock Shaft Crank with		
		453c and 1861	90	
11875	830	Feed Regulator	60	
11376	825	" Rock Shaft	1 40	
11877		" " 11376 with 11379	2 00	
11379	893	" Crank with 453c	60	
11385	890	Needle Clamp Gib	15	
11387		Oil Cup	80	
11388	854	" complete (obsolete)	1 25	
11391	855	Oscillating Shaft "		
11393	887	" Collar with two 453c		354
11395	837	" Crank with 1861	9/	44A
		Oscillating Rock Shaft with two		T T11
11396	831	Oscillating Rock Shart with two	1.50	
		each 11400 and 11401 (obsolete)	1 • 1	,
11397		Oscillating Rock Shaft 11396 with 622c, 11398 and two 1508 (obsolete)	2 50	254
		622c, 11898 and two 1908 (obsolete)	71	
11398	827	Oscillating Rock Shaft Hinge Pin	1	
11409	827	Lifting Presser Bar Spring Shuttle Driver with 453c (obsolete).	. 12	
11414	859	" Race complete (obsolete)	5 5	
11415		" Race Frame (obsolete)	4 7	
11416			7	
11417	858	" " Ring "	3	
11418		Throat Plate Body for 11433		
11432		" 11432 with 219D and	. , 1	·
11433	874	11434 or 11435 for 11893	. 10	0 329
	0.00	Throat Plate Needle Plate (round	1	0 000
11434	862	needle hole)	. 9	0 331
	000	Throat Plate Needle Plate (oblong	· ~	001
11435	862	needle hole)	5	5 332
		Arm Shaft (obsolete)	. 7 (-
11514		" Side Plate (obsolete)		276
*11515		Balance Wheel with 3470	. 2 t	
11517		" Key	. 1	0 279
11518		Bed Foot Bracket	. 1	0 281
11518		Face Plate (obsolete)	. 2 (
11520		Feed Dog for Bag Handles		75 283
11521		Lifting Presser Bar	. 1 (00 800
1152		" " " Roll Crank	. 1 :	50 307
1152		ing Link " Adjus	t-	
1152	4 856	ing Link	. 1 ?	50 8 56
1152	·	Lifting Presser Bar Bell Crank Ac	I-	
11020	, — –	insting Link 11524 with 1518, 182	8	
		and 2718	. 1 8	30 808
11520	889	Lifting Presser Bar Bell Crank Cor	1-	
11040		necting Stud	•	75

No.	Plate	Name E	ach.	Old No.
11527		Lifting Presser Bar Bell Crank Con-		
		necting Stud 11526 with 1640,		
		11528 and two 8580	95	310
11528	862	Lifting Presser Bar Bell Crank Con-		
		necting Stud Screw Washer	15	
11529		27.1.1.2	1 25	
11530	856	11029 WITH		900
44804	204		1 30	
11531	881	Titting Treeser But Birth British	1 25	305
11532	862	Spring (obsolete)	03	306
11533	862	Lifting Presser Bar Lifter Friction	•	•••
11000	000	Spring Stud (obsolete)	03	355
11534	862	Lifting Presser Bar Lifter Screw		
11001		Washer (obsolete)	20	303
11535	862	Lifting Presser Bar Lifter Screw		
		Washer Steady Pin (obsolete)	01	304
11537	889	Lifting Presser Bar Spring Adjusting		
		Block with 485c (obsolete)	75	301
11538	855		1 00	286
11589	856	" Connecting Link	80	288
11541	889		1 25	
11542		" Clamp with 680n and 11385	65	
11543	889	" 11542 with 830, 10107		
		and two 10106	75	
11544	854	Oil Cup Lamp Holder	05	
11545	858	Shuttle Race Slide (back)	50	319
11546	859	Thread Retainer complete, Nos.633D,		
		1560, 2049, 2103, 8905, 11547 and	go.	907
44548		two 2102 Thread Retainer Bracket	60 30	
11547	862	" Eyelet for 11520 (obsolete)	03	
11548	002	135 0100 101 11020 (00001010)	5 00	
11549 11550	854	" " 11549 with 11551,	0 00	
11000	004	two each 159, 4340 and 2117 (obso-		
		lete)	8 OO	822
11551	859	Thread Take-up Cam Vibrating Cam	• ••	
11001	000		1 00	823
11552	859	Thread Take-up Spring (obsolete)	08	
11553	859	" " Regulator		
		Plate (obsolete)	10	
11554	862	Thread Take-up Staple (obsolete)	08	
11555	—	Throat Plate Body for 11556	80)
11556	856	" " 11555 with 11557 and	1 01	
	ota	two 202 Threat Plate Feed Way Strip (round	1 200	380
11557	856	needle hole)	40	838
11550	855		1 00	
11558 11559	859	" " Cap Bracket	. 00	, 001
11008	000	(upper)	50	886
11560	859	Vibrating Presser Bar Cap Bracket		
		(lower)	50	836

		19		
No.	Plate	Name I	Each.	Old No.
11561	859	Vibrating Presser Bar Guide Bracket	2 00	339
11563	862	" " Spring Stud	40	
11564	862			
		Spring	02	838
11565	859	Vibrating Presser Bar Stop complete,		
		Nos. 682D, 3146, 11566 and 11567	40	341
11566	862	Vibrating Presser Bar Stop Block	25	342
11567	863			
		Washer (inside)	01	344
11568	859	Vibrating Presser Foot (narrow)	1 00	845
11569	859	" " (wide)	1 00	346
11570	859	" for bag		
		handles	1 00	347
11571	859	Vibrating Presser Foot for blinds	1 00	348
11572	859	traces		
21012		(narrow)	1 00	349
11573	859	Vibrating Presser Foot for traces		
	.,.	(wide)	1 00	350
11574	862	Thread Guard for 11538 (obsolete)	0	5 289
11575	856	Wrench for No. 611 (obsolete)	28	5 353
11576	857	Binder complete, Nos. 207, 3146, 7071,		
11010	0.5.	11577 to 11579 and 11882	2 00) —
11577		Binder Bed	1 2	5 —
11578	857	" " Spring Guide	18	5 —
11579	861	" " Cam	50) —
11580		Guide complete, Nos. 1750, 7600, 7710,		
11000		1576, 2269, 11581 to 11583	4 50) —
11581	857	Guide Block	1 00) —
11582	857	" Bracket	50	0
11583	857	" Plate	1 7	5 —
*11628		Arm (obsolete)	18 5	0 —
11760	892	Bebbin Winder Pulley Driving Wheel	5	366
11761	859	- c+ c+ c+ c+		
11101	000	Handle complete, Nos. 8380, 8382		
		and 11762	1	0 369
11762	898	Bobbin Winder Pulley Driving Wheel		
		Handle Stud	1	0
11763	859	Bobbin Winder Pulley Driving Wheel		
		Stud	1	0 867
11764	862	Bobbin Winder Pulley Driving Wheel		
		Stud Washer	0	1 868
11766	855	Bobbin Winder complete, Nos. 528n,		
		2269, 11760, 11761, 11763, 11764 and		
		11768 to 11771		
11767		Bobbin Winder Belt		5 -
11768		" " 11767 with 25028		5 870
11769		" Frame		0 863
11770	859	" Pulley		5 365
11771	85 8	" Spindle		0 864
11792	831	Oscillating Rock Shaft with two each	١	.a
		11401 and 11793 (obsolete)	1 6	60 46

No.	Plate	Name	Each	Old No.
11827	834	Shuttle complete (obsolete)	6 00	812
11828	834	" Tension Spring (obsolete)	40	313
11831	895	Screw Driver, 5-in. blade	20	· -
11832	830	Shuttle Race Back	1 00	
11833	889	" Dowel Pin	01	
11834	830	" " Spring	25	
11835		" Body	2 75	·
11836	825	" complete, Nos. 32D,		
		11832, 11834, 11835 and two 11833.	4 00	
11837	825	Shuttle Race Frame with 11838		
11838	889	" " Position Pin	1 77	
11841	827	Oscillating Rock Shaft (steel) " " 11841 with	1 78	,
11842				· ·-
		622c, 11165, 11398 and two 1508 Thread Take-up Lever		
11844		Thread Take-up Lever	. 1 20	,
11845	856	1845	1 50	321
11848		Oscillating Shaft Crank	. 30)
11849	830	" " 11848 with	1	
11020	000	1885	. 7	-
11850	825	Oscillating Shaft	. 12	5
11851	833	Shuttle (cylinder) 3-in. diam., with		_
		11910	. 60	
11852	833	Shuttle Cylinder		
11853	833	" Latch		_
11854	833	" " Spring	. 0 .27	
11855	833	" Frame " Driver with 458c		
11856	830	Thread Take-up Cam		
11857		" 11857 with 2022		•
11858		11859 and two 159		0 -
11859		Thread Take-up Cam Vibrating Cam	n.	-
11998		Piece	. 10	0
11865	855	Face Plate		0
11866		" complete, 11865 with 190		
11000		910c, 11867, 11868, 11871 to 11876	3	
		and two each 164p and 8800	. 5 7	5
11867	857	Lifting Presser Bar Lifter	. 10	0
11868		" " " Hinge Pin	ı. 1	.0
11869		" " Spring Ac	I-	
		justing Block	. 1 (00
11871		Tension (wheel) complete, Nos. 850r),	
		1560, 8791, 8905, 11043, 11044 an		\-
		two 8879		25)5 -
11872		Thread Eyelet for 11866 Guard " "	. ()3
11878				15
11874		Regulator.		30 —
11875			d ,	_
11876	1 00 T	Guard		10
11879)	O 177 (1 D 1)		25 -
11880				50 -

No.	Plate	Name Ea	ich.	Old No.
11881	857	Spool Holder Tension Spool Pin		
		complete, Nos. 851E, 1541, 8018 and		
		8019	25	
11882	861	Binder Bed Spring Guide Cam Stud.	10	
11893		Feed Dog for general work 1		
11898	860	Needle Bar Thread Eyelet	10	
11910	833	Shuttle Bobbin (solid and hardened)	25	
*11911		Arm20	00	_
11912		* Shaft 7	00	_
11913	825	" Side Cover	25	
11917		Oil Cup Cover	25	_
11918	888	" or Wax Stripper Washer (steel)		
		for 11917	03	
11919	888	Oil Cup Thread Eyelet	05	_
11920	855	" complete, Nos. 2205, 5480,		
		9084, 11387, 11917, 11918, 11919, two		
		8953 and three 207 1	25	
12002	833	Shuttle Cylinder Latch Pin	01	
25028	889	Bobbin Winder Belt Hook	01	371
25881	894	Guide	40	34
25957	895	Oiler with 4½-in. spout		5704.44
25958		" Spout, 4½-in		571 "
26026	895	Screw Driver	10	393 ''

The Singer Manufacturing Company use and recommend exclusively the Willimantic spool cotton.

PLATE 825-ONE-FOURTH SIZE

11353 11850 11363 11376 11371 11370 11837 🔘 11836 11921 11913

PLATE 827—ONE-HALF SIZE

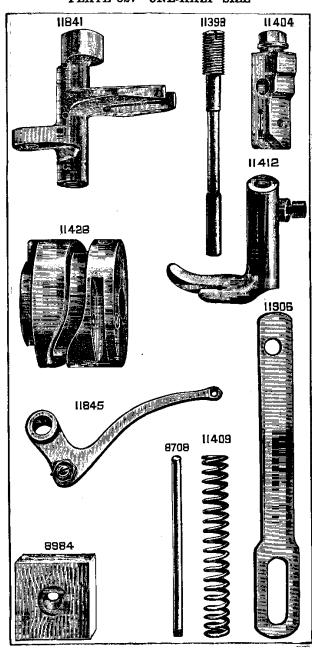


PLATE 828-ONE-HALF SIZE

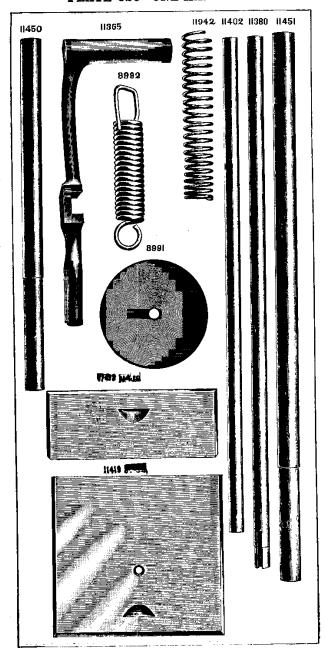


PLATE 830-ONE-HALF SIZE

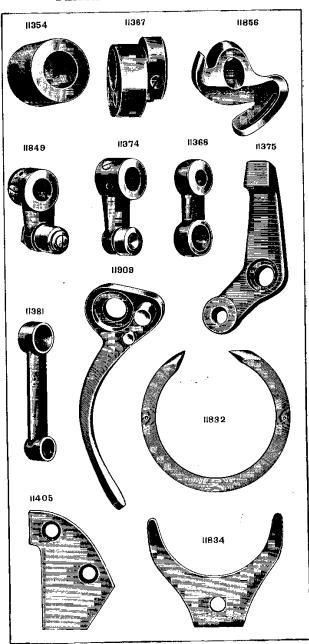


PLATE 831-ONE-HALF SIZE

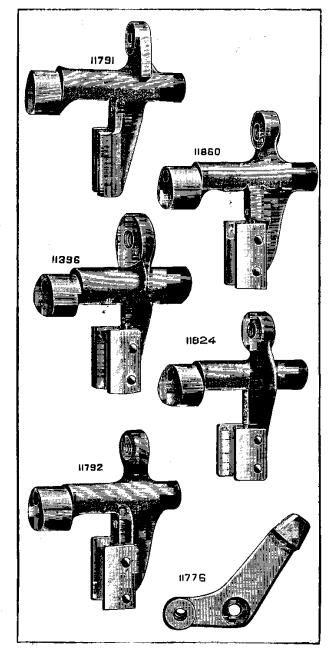


PLATE 832—ONE-HALF SIZE

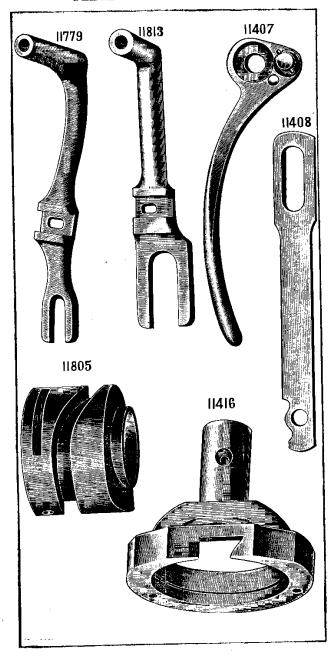


PLATE 833—FULL SIZE

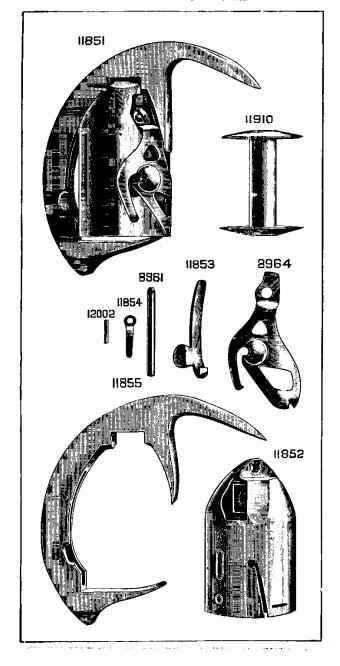


PLATE 834—FULL SIZE

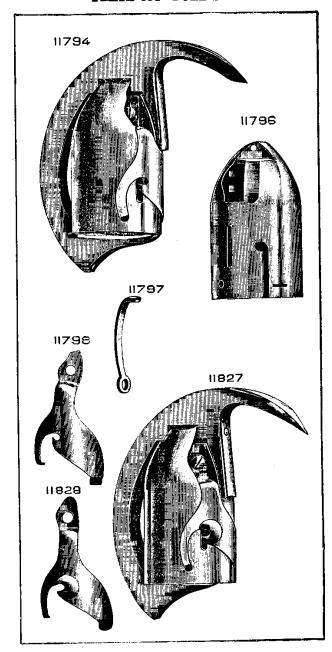


PLATE 837—FULL SIZE

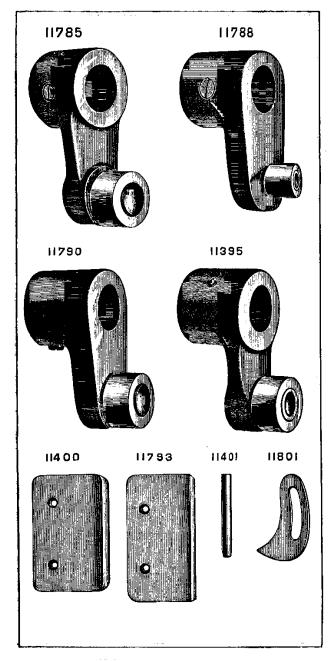


PLATE 848—ONE-HALF SIZE

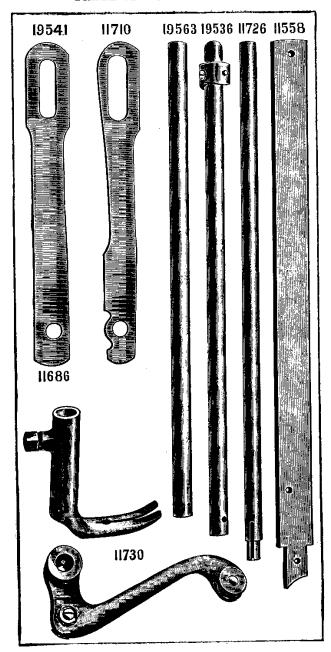


PLATE 853—FULL SIZE

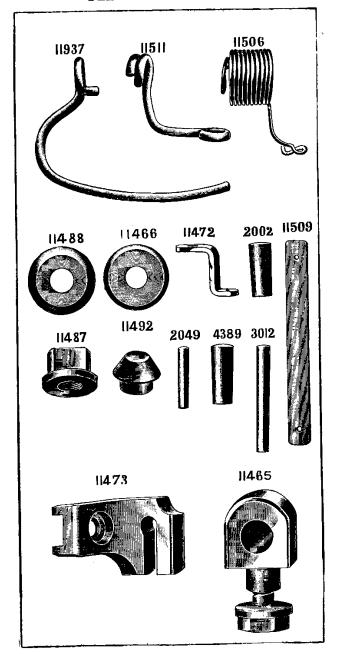


PLATE 854—ONE-FOURTH SIZE

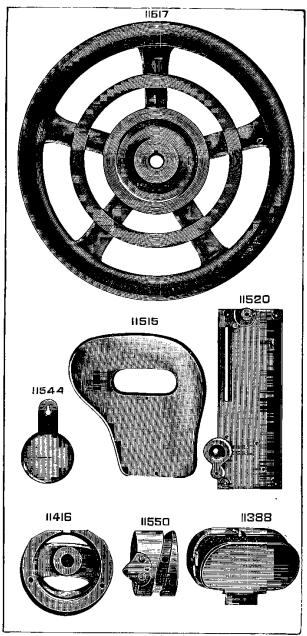


PLATE 855-ONE-FOURTH SIZE

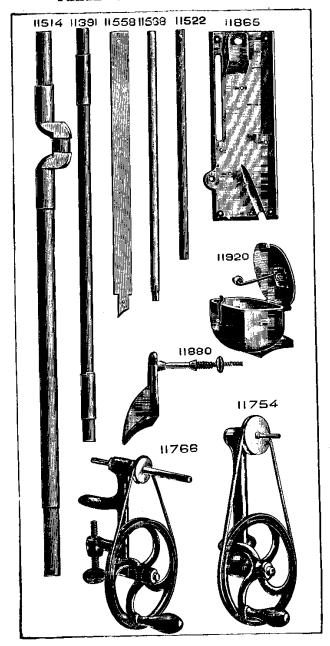


PLATE 856-ONE-HALF SIZE

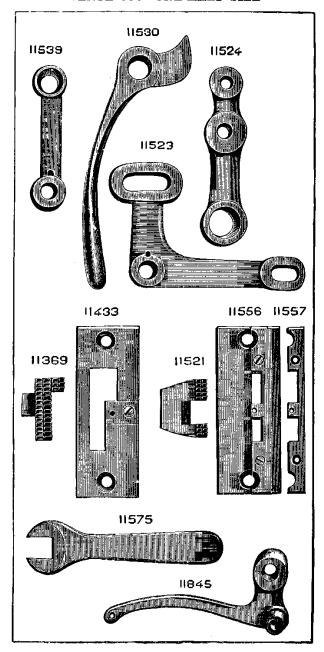


PLATE 857—ONE-HALF SIZE

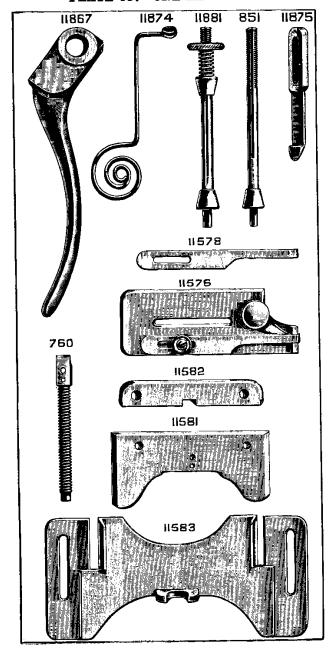


PLATE 858-ONE-HALF SIZE

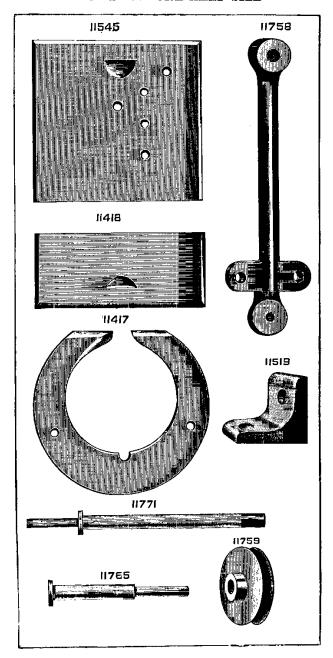


PLATE 859-ONE-HALF SIZE

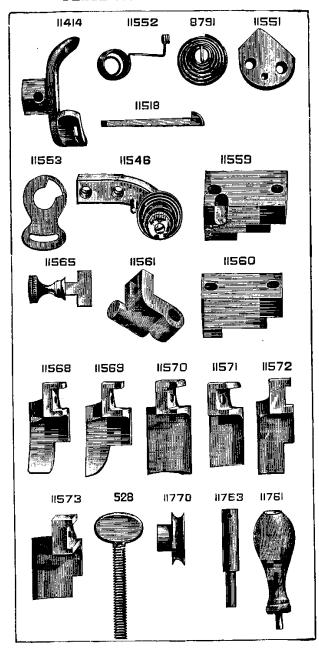


PLATE 860—FULL SIZE

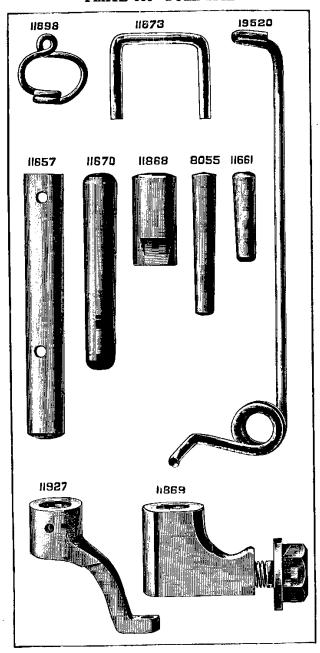


PLATE 861—FULL SIZE

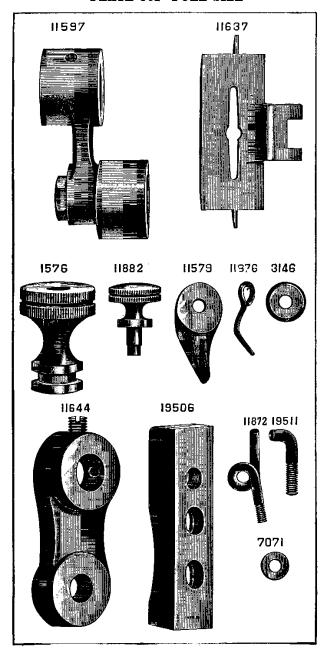


PLATE 862—FULL SIZE

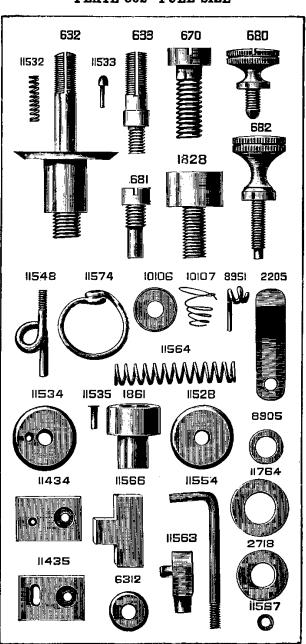


PLATE 869—FULL SIZE

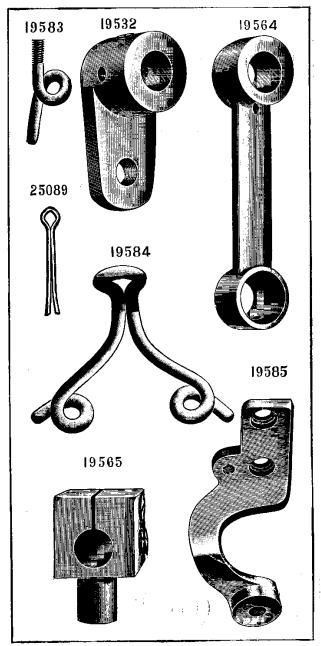


PLATE 874—FULL SIZE

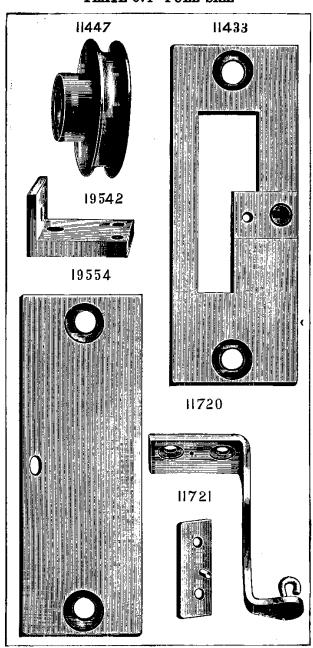


PLATE 881—FULL SIZE

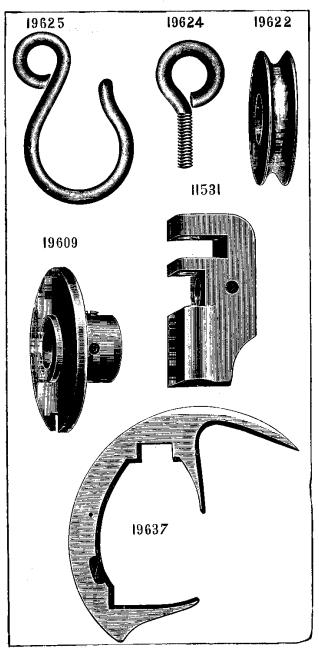


PLATE 887—FULL 8IZE

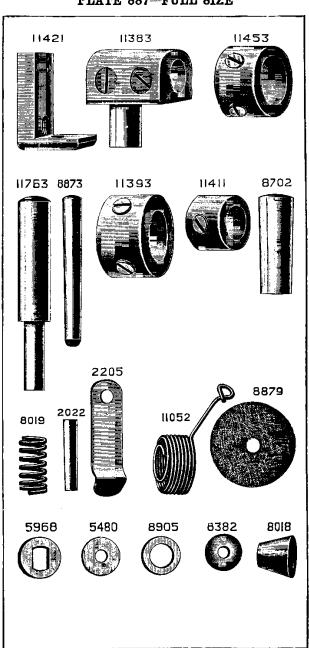


PLATE 888—FULL SIZE

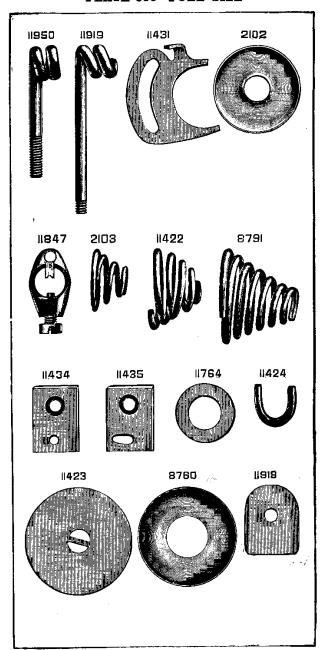


PLATE 889—FULL SIZE

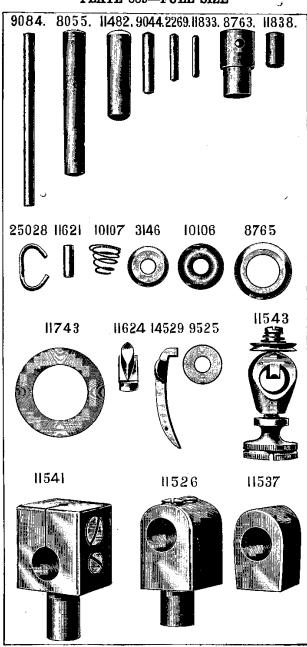
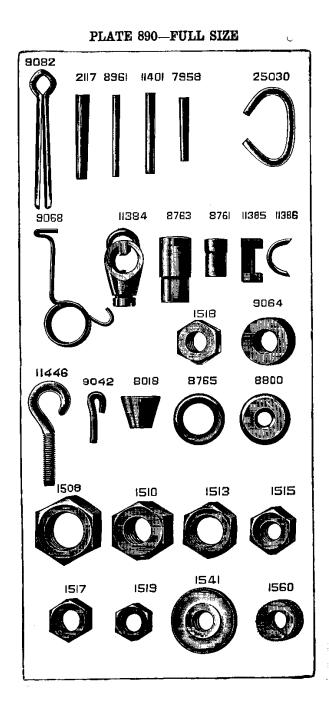


PLATE 892—ONE-HALF SIZE



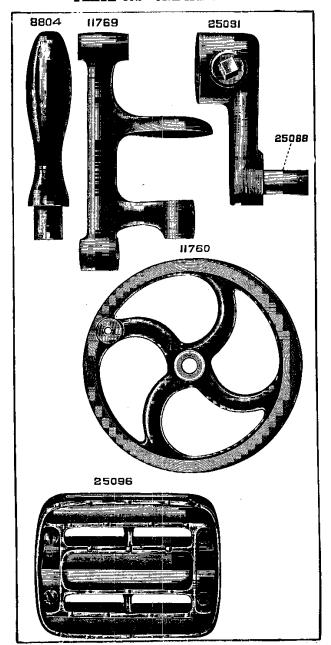


PLATE 893—FULL SIZE

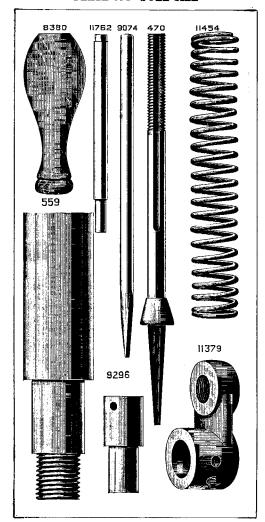
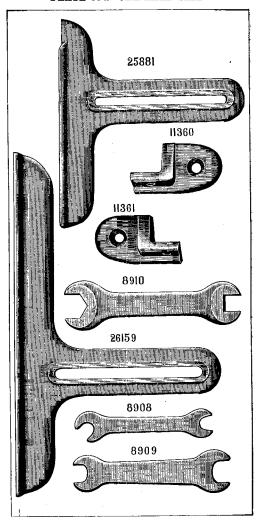


PLATE 894-ONE-HALF SIZE



'PLATE 895-ONE-HALF SIZE

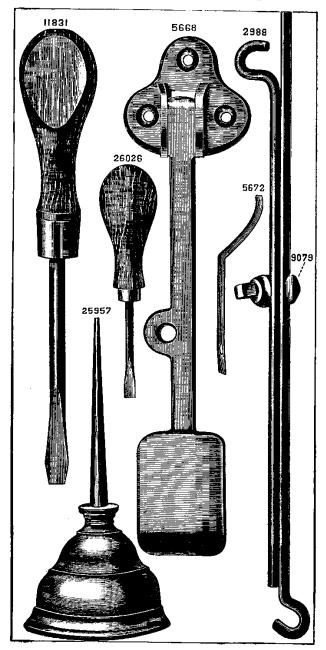


PLATE 897—FULL SIZE

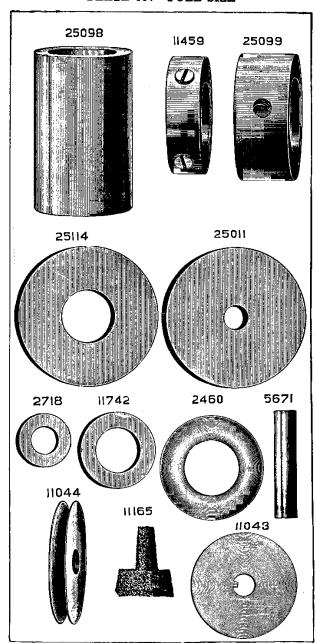


PLATE 898—FULL SIZE

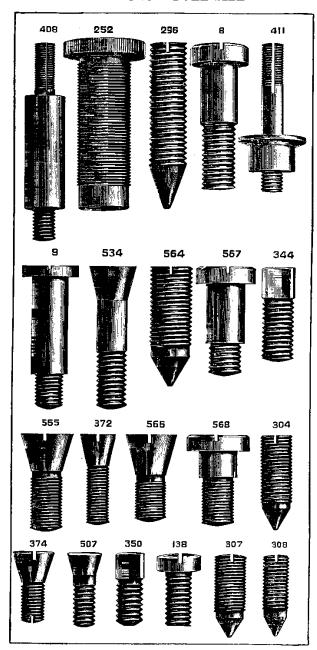


PLATE 899—FULL SIZE

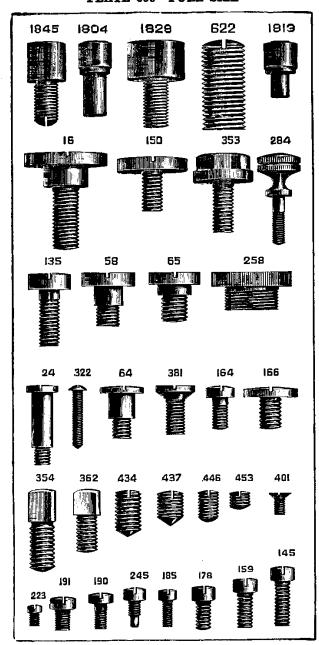


PLATE 900—FULL SIZE

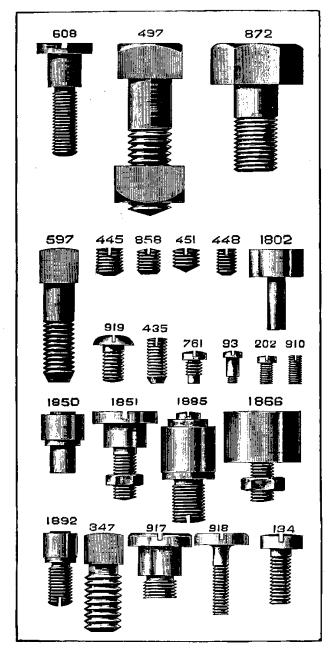


PLATE 901—FULL SIZE

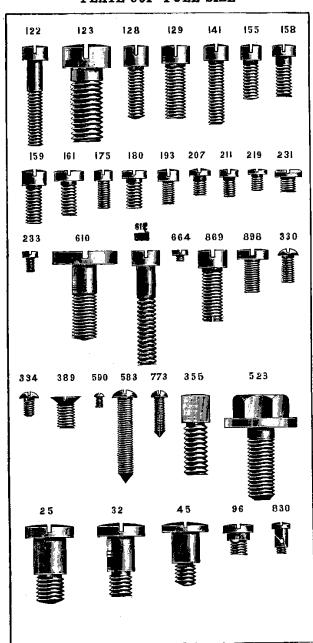


PLATE 902-FULL SIZE

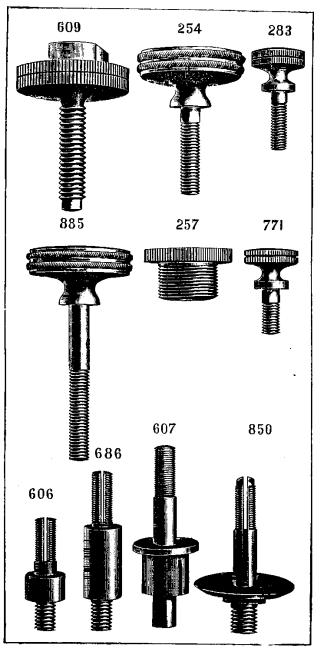


PLATE 905-FULL SIZE

