

FORM 1916W  
SUPERSEDES FORM 7988  
JANUARY, 1925  
PRINTED IN U. S. A.

# LIST OF PARTS



**MACHINES**  
**Nos. 23-1, 23-3, 23-4, 23-9**  
**to 23-12, 23-16, 23-21,**  
**23-22 and 23-30**

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## INSTRUCTIONS FOR ORDERING

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

The number stamped on a Sewing Machine part is in every case the number of the single part only.

Every combination of parts sent out as such has its specific number, which, although not stamped on the parts, must be used when ordering the combination.

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 only.
- E. Soft, not Polished.
- F. Hardened and Polished.
- G.
- H. Blued.
- J. Plated only.
- K. Hardened and Plated.
- L. Brass or Gilt.
- M. Oxidized.
- P. Japanned.
- R. Parkerized.
- T. Copper-plated.

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 and 50001 to 51500 are Screw Numbers.
- 1501 to 1800 are Nut Numbers.
- 1801 to 2000 are Roller Numbers.
- 2001 to 50000 and 52001 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.

## LIST OF PARTS COMPLETE

FOR

## MACHINE No. 23-1

For Leather

Makes Buttonholes  $\frac{3}{8}$  to  $1\frac{1}{8}$  inches long

No.	Plate	Name
*10001	—	Arm with 771D and 10008 .....
8582	421	" Dowel Pin (2).....
118F	1797	" Screw (3) .....
10002	417	" Shaft (horizontal) .....
18820	1784	" " " Gear with 453c.
2117	421	" " " " Pin .....
453C	423	" " " " Set Screw
144D	1797	" " " Screw .....
10005	417	" " (upright) .....
18821	1784	" " " Gear with 453c ..
2117	421	" " " " Pin .....
453C	423	" " " " Set Screw..
*10008	—	" Side Plate .....
771D	1797	" " " Thumb Screw .....
10010	4787	Balance Wheel, 2 $\frac{3}{4}$ in. pulley, with two 448c .....
448C	423	Balance Wheel Set Screw .....
*10015	—	Bed .....
10016	417	" Plate .....
10025	—	Bed Plate complete, Nos. 10016, 10018, 10024, 10132, 10134, two each 10135, 10136 and three 405E .....
10018	416	Bed Plate Button with 240D and 664D
405E	423	" " " Screw .....
10020	416	" " Clamp Guide Slide with 1827 .....
10021	416	Bed Plate Clamp Guide Slide Guide
399F	423	" " " " " " " " Screw .....
1827	421	Bed Plate Clamp Guide Slide Roller and Stud .....
10023	416	Bed Plate Clamp Guide Slide Spring
10022	421	" " " " " " " " Stop Stud .....
10024	416	Bed Plate Clamp Guide complete, Nos. 10020, 10022, 10023, two 10021 and four 399F .....

No.	Plate	Name
389E	423	Bed Plate Screw (4) .....
10154	419	Clamp Arm (lower, left) .....
10153	419	" " (lower, right) .....
10156	419	" " (lower) Front Guide (left) .....
10155	419	Clamp Arm (lower) Front Guide (right) .....
10157	421	Clamp Arm (lower) Front Guide Dowel Pin .....
402D	423	Clamp Arm (lower) Front Guide Screw .....
10159	419	Clamp Arm (lower) Rear Guide (left) .....
10161	423	Clamp Arm (lower) Rear Guide (left) Rivet .....
10158	419	Clamp Arm (lower) Rear Guide (right) .....
10160	421	Clamp Arm (lower) Rear Guide (right) Rivet .....
10163	419	Clamp Arm (upper, left) with 10165
10162	419	" " (upper, right) with 10165
10164	419	" " (upper) Adjusting Slide
247E	423	" " " " " "
		Screw .....
10165	421	Clamp Arm (upper) Adjusting Slide Steady Pin .....
10170	419	Clamp Arm (upper) Connecting Yoke
10171	419	" " " " " "
		Link with two 220D .....
220D	423	Clamp Arm (upper) Connecting Yoke Link Screw .....
10172	419	Clamp Arm (upper) Hinge .....
10173	423	" " " " Pin .....
176D	423	" " " " Screw .....
10195	4792	" " " " Spring .....
10174	419	" " " " Spreader .....
10175	418	" " " " Lever .....
99E	423	" " " " Hinge Screw
10176	419	" " " " Link .....
105D	423	" " " " Hinge Screw
109D	423	" " " " Screw .....
10167	419	" Check (left) .....
10166	419	" " (right) .....
10157	421	" " Hinge Pin .....
10177	419	" Crank Shaft .....
10179	419	" " " " Bracket (left) ..
10178	419	" " " " (right) ...
397E	423	" " " " " Screw (large) .....

No.	Plate	Name
223E	423	Clamp Crank Shaft Bracket Screw (small) .....
10180	419	Clamp Crank Shaft Lever .....
10181	423	" " " " Pin .....
10182	419	" Guide Pin .....
10183	419	" " " " Lifter .....
103D	423	" " " " Hinge Screw .
10184	419	" " " " Spring .....
233D	423	" " " " " Screw ..
10157	421	" " " " Stop Pin ....
10185	419	" " " " Post .....
10186	4787	" Plate .....
10187	423	" Thread Catch .....
240D	423	" " " " Screw .....
10188	4787	Clamp complete, Nos. 99E, 103D, 105D, 109D, 233D, 240D, 10153 to 10156, 10158, 10159, 10162, 10163, 10166, 10167, 10170, 10171, 10174 to 10187, two each 176D, 223E, 247E, 397E, 402D, 10160, 10161, 10164, 10172, 10173, 10195 and five 10157 .....
10026	4787	Face Plate .....
176D	423	" " Screw (3) .....
10152	421	" " Thread Guide .....
10028	417	Feed Driving Bell Crank Lever with 1805 .....
2D	416	Feed Driving Bell Crank Lever Hinge Screw .....
1805	421	Feed Driving Bell Crank Lever Rol- ler and Stud .....
10031	418	Feed Hand Ratchet Lever .....
10032	416	" " " " Handle .
52C	1797	" " " " Hinge Screw .....
18790	4792	Feed Hand Ratchet Pawl with 18791
10034	421	" " " " Hinge Stud
5569	416	" " " " Spring ...
18791	4791	" " " " " Hook, for 18790 .....
10035	421	Feed Hand Ratchet Pawl Spring Hook, for Bed .....
10036	418	Feed Hand Ratchet complete, Nos. 10031, 10032, 10034 and 18790 ...
10038	417	Feed and Looper Cam with two 445C
445C	423	" " " " Set Screw ..
10041	416	" Regulator (2) .....
176D	423	" " Screw (2) .....
10040	418	" Shipper Lever with 1814 .....
71D	1797	" " " Hinge Screw ..
1814	421	" " " Roller and Stud

No.	Plate	Name
10043	—	Feed Wheel with 10064, 10065, 10080, two each 401E and 756E, for $\frac{3}{8}$ in. buttonhole .....
10045	—	Feed Wheel with 10066, 10067, 10081, two each 401E and 756E, for $\frac{1}{2}$ in. buttonhole .....
10047	417	Feed Wheel with 10068, 10069, 10082, two each 401E and 756E, for $\frac{1}{4}$ in. buttonhole .....
10049	—	Feed Wheel with 10070, 10071, 10083, two each 401E and 756E, for $\frac{3}{8}$ in. buttonhole .....
10051	—	Feed Wheel with 10072, 10073, 10084, two each 401E and 756E, for $\frac{1}{8}$ in. buttonhole .....
10053	—	Feed Wheel with 756E, 10074, 10075, 10085 and three 401E, for $\frac{3}{4}$ in. buttonhole .....
10055	—	Feed Wheel with 10076, 10077, 10086, two each 401E and 756E, for $\frac{3}{8}$ in. buttonhole .....
10057	—	Feed Wheel with 10078, 10079, 10087, two each 401E and 756E, for 1 in. buttonhole .....
10059	416	Feed Wheel Brake Dog with 10060..
5569	416	" " " " Spring .....
10035	421	" " " " Hook .....
10060	421	" " " " Stud .....
10064	—	" " Cam Groove Protector, $\frac{3}{8}$ in. (inside), for 10043 .....
10065	—	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (outside), for 10043 .....
10066	—	Feed Wheel Cam Groove Protector, $\frac{1}{2}$ in. (inside), for 10045 .....
10067	—	Feed Wheel Cam Groove Protector, $\frac{1}{2}$ in. (outside), for 10045 .....
10068	416	Feed Wheel Cam Groove Protector, $\frac{1}{8}$ in. (inside), for 10047 .....
10069	416	Feed Wheel Cam Groove Protector, $\frac{1}{8}$ in. (outside), for 10047 .....
10070	—	Feed Wheel Cam Groove Protector, $\frac{5}{8}$ in. (inside), for 10049 .....
10071	—	Feed Wheel Cam Groove Protector, $\frac{5}{8}$ in. (outside), for 10049 .....
10072	—	Feed Wheel Cam Groove Protector, $\frac{1}{8}$ in. (inside), for 10051 .....
10073	—	Feed Wheel Cam Groove Protector, $\frac{1}{8}$ in. (outside), for 10051 .....
10074	—	Feed Wheel Cam Groove Protector, $\frac{3}{4}$ in. (inside), for 10053 .....

No.	Plate	Name
10075	—	Feed Wheel Cam Groove Protector, $\frac{3}{4}$ in. (outside), for 10053 .....
10076	—	Feed Wheel Cam Groove Protector, $\frac{7}{8}$ in. (inside), for 10055 .....
10077	—	Feed Wheel Cam Groove Protector, $\frac{7}{8}$ in. (outside), for 10055 .....
10078	—	Feed Wheel Cam Groove Protector, 1 in. (inside), for 10057 .....
10079	—	Feed Wheel Cam Groove Protector, 1 in. (outside), for 10057 .....
401E	423	Feed Wheel Cam Groove Protector Screw (long) .....
756E	4791	Feed Wheel Cam Groove Protector Screw (short) .....
18563	4787	Feed Wheel Driving Lever with 129E
129E	4791	" " " " Adjusting Screw .....
10063	416	Feed Wheel Driving Lever Block ..
357F	1797	" " " " " Ad-justing Screw .....
1520E	421	Feed Wheel Driving Lever Block Adjusting Screw Nut .....
8734	416	Feed Wheel Driving Lever Spring ..
10061	4792	" " " " " Pin
429C	1797	" " " " Supporting Screw .....
1513E	423	Feed Wheel Driving Lever Support-ing Screw Nut .....
10029	416	Feed Wheel Friction Block .....
10030	416	" " " " Spring ..
430C	1797	" " " " " Ad-justing Screw .....
1520E	421	Feed Wheel Friction Block Spring Adjusting Screw Nut .....
10080	—	Feed Wheel Latch, $\frac{3}{8}$ in., for 10043 ..
10081	—	" " " " $\frac{1}{2}$ in., for 10045 ..
10082	416	" " " " $\frac{9}{16}$ in., for 10047 ..
10083	—	" " " " $\frac{5}{8}$ in., for 10049 ..
10084	—	" " " " $\frac{1}{16}$ in., for 10051 ..
10085	—	" " " " $\frac{3}{4}$ in., for 10053 ..
10086	—	" " " " $\frac{3}{8}$ in., for 10055 ..
10087	—	" " " " 1 in., for 10057 ..
10118	421	Looper (long) .....
10119	421	" (short) .....
10121	416	" Carrier with 1824 .....
10122	418	" " Bracket .....
130D	1797	" " " Screw .....
10123	416	" " Crank .....
7958	4791	" " " Pin .....
209F	423	" " " Set Screw .....

No.	Plate	Name
10125	421	Looper Carrier Needle Guard .....
233D	423	" " " " Screw
2077	4791	" " Pin .....
10127	4787	" " Pitman .....
378c	1797	" " " Hinge Screw (2)
1520E	421	" " " " " Nut
		(2) .....
1824	421	Looper Carrier Roller and Stud .....
10130	416	" " Shaft .....
10129	417	" Driving Bell Crank with 1807
2D	416	" " " " Hinge Screw
1807	421	" " " " Roller and
		Stud .....
224F	423	Looper Screw (2) .....
10088	4787	Needle Bar .....
10089	4787	Needle Bar complete, Nos. 10088,
		10096, 10108 and 10110 .....
10091	416	Needle Bar Connecting Link with
		two 390c .....
390c	423	Needle Bar Connecting Link Adjust-
		ing Screw .....
29c	1797	Needle Bar Connecting Link Hinge
		Screw .....
7548	—	Needle Bar Connecting Stud .....
7448	416	" " " " 7548
		with 155c .....
155c	4791	Needle Bar Connecting Stud Set
		Screw .....
10557	4787	Needle Bar Frame .....
10099	4787	" " " Bell Crank with
		1813 .....
1813	421	Needle Bar Frame Bell Crank Rol-
		ler and Stud .....
307c	1797	Needle Bar Frame Bell Crank Screw
		Center (2) .....
1513E	423	Needle Bar Frame Bell Crank Screw
		Center Nut (2) .....
10101	416	Needle Bar Frame Cam with two
		445c .....
445c	423	Needle Bar Frame Cam Set Screw..
10103	4787	" " " Connecting Rod
		with 390c .....
390c	423	Needle Bar Frame Connecting Rod
		Adjusting Screw .....
10104	421	Needle Bar Frame Connecting Rod
		Ball .....
147c	1797	Needle Bar Frame Connecting Rod
		Ball Screw .....
37E	1797	Needle Bar Frame Regulating Screw
		Stud .....

No.	Plate	Name
1514c	423	Needle Bar Frame Regulating Screw
		Stud Nut .....
307c	1797	Needle Bar Frame Screw Center
		(lower) .....
306c	1797	Needle Bar Frame Screw Center
		(upper) .....
1513E	423	Needle Bar Frame Screw Center
		Nut (2) .....
18876	—	Needle Bar Packing Cord (2) .....
290E	1797	" " Screw Bushing (2) ...
10093	416	" " Thread Take-up with
		10114 .....
10094	421	Needle Bar Thread Take-up Roller
10095	421	" " " " " "
		Cap .....
233D	423	Needle Bar Thread Take-up Roller
		Cap Screw .....
10114	421	Needle Bar Thread Take-up Roller
		Pin .....
209F	423	Needle Bar Thread Take-up Set
		Screw .....
10096	416	Needle Bar Thread Take-up com-
		plete, Nos. 209F, 233D and 10093
		to 10095 .....
10105	421	Needle Clamp .....
10106	421	" " Disc .....
10107	421	" " " Spring .....
93H	423	" " " " Screw ...
10108	421	" " Gfb .....
209F	423	" " Set Screw .....
10109	421	" " Thread Guide .....
665D	1797	" " " " Screw..
10110	421	Needle Clamp complete, Nos. 93H,
		209F, 665D, 10105, 10107, 10109 and
		two 10106 .....
10134	416	Spreader (left) with 99c and 10136
664D	4791	" " Stop Screw .....
10132	416	" (right) with 99c and 10136..
240D	423	" " Stop Screw .....
99c	423	" Hinge Screw .....
10135	421	" Spring .....
10136	421	" " Hook .....
2102	416	Tension (under thread) Disc (2) ..
1560c	421	" " " Regulating
		Thumb Nut .....
50021D	—	Tension (under thread) Screw Stud
10148	421	" " " Spring .....
10145	421	" " " Thread Guide
10144	4787	" (upper thread) and Spool
		Bracket .....

No.	Plate	Name
10146	—	Tension (upper thread) and Spool Bracket complete, Nos. 415D, 488D, 1560c, 2103, 8039, 10111, 10112, 10144, 10145 and two 2102 .....
159D	423	Tension (upper thread) and Spool Bracket Screw (2) .....
2102	416	Tension (upper thread) Disc .....
1560c	421	" " " " Regulating Thumb Nut .....
2103	421	Tension (upper thread) Spring .....
415D	1797	" " " Stud .....
10145	421	" " " Thread Guide .....
10150	416	Thread (under) Cord Guide .....
333D	423	" " " " Screw .....
10147	4787	" " " Spool Bracket .....
159D	423	" " " " Screw .....
488D	419	" " " Spindle, 3½ in. long .....
487D	419	Thread (under) Spool Spindle, 4 in. long .....
10111	421	Thread (under) Spool Spindle Inside Cone (2) .....
10112	421	Thread (under) Spool Spindle Inside Cone Spring (2) .....
8064	—	Thread (under) Spool Spindle Outside Cone .....
8039	416	Thread (under) Spool Spindle Outside Cone 8064 with 759F (2) ...
759F	423	Thread (under) Spool Spindle Outside Cone Thumb Screw .....
10149	416	Thread (under) Take-up Spring ...
10145	421	" " Thread Guide .....
10137	416	" (upper) Nipper Arm .....
77D	1797	" " " " Hinge Screw .....
1821	421	Thread (upper) Nipper Arm Roller and Stud .....
10139	418	Thread (upper) Nipper Cam with 435c .....
3012	421	Thread (upper) Nipper Cam Pin .....
435c	1797	" " " " Set Screw .....
8800	421	Thread (upper) Nipper Disc (2) ...
1645E	1797	" " " " Regulating Thumb Nut .....
1547D	423	Thread (upper) Nipper Disc Regulating Thumb Nut Lock Nut ...
1153C	1797	Thread (upper) Nipper Disc Screw Stud .....

No.	Plate	Name
1547D	423	Thread (upper) Nipper Disc Screw Stud Nut .....
10140	416	Thread (upper) Nipper Lever .....
49F	1797	" " " " Screw .....
10141	421	" " " " Spring .....
10142	416	" " " Link .....
488D	419	" " Spool Spindle, 3½ in. long .....
10111	421	Thread (upper) Spool Spindle Inside Cone .....
10112	421	Thread (upper) Spool Spindle Inside Cone Spring .....
8064	—	Thread (upper) Spool Spindle Outside Cone .....
8039	416	Thread (upper) Spool Spindle Outside Cone 8064 with 759F .....
759F	423	Thread (upper) Spool Spindle Outside Cone Thumb Screw .....
10151	416	Thread (upper) Take-up Spring ....
236F	423	" " " " Screw .....

## LIST OF PARTS COMPLETE

FOR

## MACHINE No. 23-3

HAS AUTOMATIC STOP

For Leather

Makes Buttonholes  $\frac{3}{8}$  to  $1\frac{1}{8}$  inches long

No.	Plate	Name
*10001	---	Arm with 771D and 10008 .....
8582	421	" Dowel Pin (2) .....
118E	1797	" Screw (3) .....
10002	417	" Shaft (horizontal) .....
18820	1784	" " " Gear with 453C .....
2117	421	" " " Pin .....
453C	423	" " " Set Screw .....
144D	1797	" " " Screw .....
10005	417	" " (upright) .....
18821	1784	" " " Gear with 453C .....
2117	421	" " " Pin .....
453C	423	" " " Set Screw .....
*10008	---	" Side Plate .....
771D	1797	" " " Thumb Screw .....
10217	418	Barring Lever .....
10218	420	" " Cap .....
176D	423	" " " Screw (2) .....
10219	420	" " Clutch .....
217F	423	" " " Adjusting Screw .....
		(2) .....
10220	420	Barring Lever Clutch Lever .....
100D	423	" " " " Hinge .....
		Screw .....
10222	420	Barring Lever Clutch Lever Yielding .....
		Connection with 10251 .....
91F	423	Barring Lever Clutch Lever Yielding .....
		Connection Guide Screw .....
106D	423	Barring Lever Clutch Lever Yielding .....
		Connection Hinge Screw .....
10223	423	Barring Lever Clutch Lever Yielding .....
		Connection Spring .....
10251	423	Barring Lever Clutch Lever Yielding .....
		Connection Spring Hook .....
233D	423	Barring Lever Clutch Lever Yielding .....
		Connection Spring Screw .....

No.	Plate	Name
*10225	---	Bed .....
10016	417	" Plate .....
10025	---	Bed Plate complete, Nos. 10016, .....
		10018, 10024, 10132, 10134, two each .....
		10135, 10136 and three 405E .....
10018	416	Bed Plate Button with 240D and 664D .....
405E	423	" " " Screw .....
10020	416	" " " Clamp Guide Slide with .....
		1827 .....
10021	416	Bed Plate Clamp Guide Slide Guide .....
399F	423	" " " " " " .....
		Screw .....
1827	421	Bed Plate Clamp Guide Slide Roller .....
		and Stud .....
10023	416	Bed Plate Clamp Guide Slide Spring .....
10022	421	" " " " " " .....
		Stud .....
10024	416	Bed Plate Clamp Guide complete, .....
		Nos. 10020, 10022, 10023, two 10021 .....
		and four 399F .....
389F	423	Bed Plate Screw (4) .....
10154	419	Clamp Arm (lower, left) .....
10153	419	" " (lower, right) .....
10156	419	" " (lower) Front Guide .....
		(left) .....
10155	419	Clamp Arm (lower) Front Guide .....
		(right) .....
10157	421	Clamp Arm (lower) Front Guide .....
		Dowel Pin .....
402D	423	Clamp Arm (lower) Front Guide .....
		Screw .....
10159	419	Clamp Arm (lower) Rear Guide .....
		(left) .....
10161	423	Clamp Arm (lower) Rear Guide .....
		(left) Rivet .....
10158	419	Clamp Arm (lower) Rear Guide .....
		(right) .....
10160	421	Clamp Arm (lower) Rear Guide .....
		(right) Rivet .....
10163	419	Clamp Arm (upper, left) with 10165 .....
10162	419	" " (upper, right) with 10165 .....
10164	419	" " (upper) Adjusting Slide .....
247F	423	" " " " " " .....
		Screw .....
10165	421	Clamp Arm (upper) Adjusting Slide .....
		Steady Pin .....
10170	419	Clamp Arm (upper) Connecting Yoke .....
10171	419	" " " " " " .....
		Link with two 220D .....



No.	Plate	Name
220D	423	Clamp Arm (upper) Connecting Yoke Link Screw .....
10172	419	Clamp Arm (upper) Hinge .....
10173	423	" " " " Pin .....
176D	423	" " " " Screw .....
10195	4792	" " " " Spring .....
10174	419	" " " " Spreader .....
10175	418	" " " " Lever .....
99E	423	" " " " Hinge Screw .....
10176	419	" " " " Link .....
105D	423	" " " " Hinge Screw .....
109D	423	" " " " Screw .....
10167	419	" " Check (left) .....
10166	419	" " " (right) .....
10157	421	" " " " Hinge Pin .....
10177	419	" " Crank Shaft .....
10179	419	" " " " Bracket (left) ...
10178	419	" " " " " (right) ...
397E	423	" " " " " Screw (large)
223E	423	" " " " " " (small)
10180	419	" " " " Lever .....
10181	423	" " " " " Pin .....
10182	419	" " Guide Pin .....
10183	419	" " " " Lifter .....
103D	423	" " " " " Hinge Screw .
10184	419	" " " " " Spring .....
233D	423	" " " " " " Screw ..
10157	421	" " " " " Stop Pin ....
10185	419	" " " " " Post .....
10186	4787	" " Plate .....
10187	423	" " Thread Catch .....
240D	423	" " " " Screw .....
10188	4787	Clamp complete, Nos. 99E, 103D, 105D, 109D, 233D, 240D, 10153 to 10156, 10158, 10159, 10162, 10163, 10166, 10167, 10170, 10171, 10174 to 10187, two each 176D, 223E, 247F, 397E, 402D, 10160, 10161, 10164, 10172, 10173, 10195 and five 10157
10229	417	Driving and Stop Motion Balance Wheel with two 445c .....
445c	423	Driving and Stop Motion Balance Wheel Set Screw .....
10230	418	Driving and Stop Motion Connecting Rod .....
10232	---	Driving and Stop Motion Connecting Rod 10230 with 10231 .....
10231	420	Driving and Stop Motion Connecting Rod Head .....

No.	Plate	Name
38D	1797	Driving and Stop Motion Connecting Rod Head Hinge Screw .....
10233	420	Driving and Stop Motion Connecting Rod Link .....
57c	1797	Driving and Stop Motion Connecting Rod Link Hinge Screw .....
10235	417	Driving and Stop Motion Friction Pulley with 10236 .....
10236	420	Driving and Stop Motion Friction Pulley Center Bearing .....
10238	417	Driving and Stop Motion Friction Pulley Washer (paper) .....
10239	417	Driving and Stop Motion Lever with 10556 .....
124F	1797	Driving and Stop Motion Lever Adjusting Screw (2) .....
1518E	423	Driving and Stop Motion Lever Adjusting Screw Nut (2) .....
10240	417	Driving and Stop Motion Lever Bracket .....
355D	1797	Driving and Stop Motion Lever Bracket Screw (2) .....
9263	423	Driving and Stop Motion Lever Bracket Screw Washer (2) .....
10241	4793	Driving and Stop Motion Lever Friction Pad (leather) .....
401E	423	Driving and Stop Motion Lever Friction Pad Screw (4) .....
150D	1797	Driving and Stop Motion Lever Screw .....
10243	420	Driving and Stop Motion Lever Screw Washer .....
10242	420	Driving and Stop Motion Lever Spring .....
10556	4792	Driving and Stop Motion Lever Spring Pin .....
159D	423	Driving and Stop Motion Lever Spring Screw .....
6312	423	Driving and Stop Motion Lever Spring Screw Washer .....
10245	420	Driving and Stop Motion Ratchet Lever with 1823 and 10251 .....
196F	1797	Driving and Stop Motion Ratchet Lever Adjusting Screw .....
63D	1797	Driving and Stop Motion Ratchet Lever Hinge Screw .....
10247	420	Driving and Stop Motion Ratchet Lever Pawl with 10248 .....
100D	423	Driving and Stop Motion Ratchet Lever Pawl Hinge Screw .....

No.	Plate	Name
10248	423	Driving and Stop Motion Ratchet Lever Pawl Pin .....
10249	420	Driving and Stop Motion Ratchet Lever Pawl Spring .....
236e	423	Driving and Stop Motion Ratchet Lever Pawl Spring Screw .....
1823	423	Driving and Stop Motion Ratchet Lever Roller and Stud .....
5569	416	Driving and Stop Motion Ratchet Lever Spring .....
10257	423	Driving and Stop Motion Ratchet Lever Spring Hook .....
10252	418	Driving and Stop Motion Starting Lever .....
52c	1797	Driving and Stop Motion Starting Lever Hinge Screw .....
10254	420	Driving and Stop Motion Tripping Lever with two 10257 .....
10255	420	Driving and Stop Motion Tripping Lever Catch .....
106d	423	Driving and Stop Motion Tripping Lever Catch Hinge Screw .....
10223	423	Driving and Stop Motion Tripping Lever Catch Spring .....
233d	423	Driving and Stop Motion Tripping Lever Catch Spring Screw .....
77d	1797	Driving and Stop Motion Tripping Lever Hinge Screw .....
10256	420	Driving and Stop Motion Tripping Lever Spring .....
10257	423	Driving and Stop Motion Tripping Lever Spring Pin .....
10026	4787	Face Plate .....
176d	423	" " Screw (3) .....
10152	421	" " Thread Guide .....
10028	417	Feed Driving Bell Crank Lever with 1805 .....
2d	416	Feed Driving Bell Crank Lever Hinge Screw .....
1805	421	Feed Driving Bell Crank Roller and Stud .....
10261	4792	Feed Hand Ratchet Lever .....
10262	4792	" " " " Handle .....
52c	1797	" " " " Hinge Screw .....
18877	—	Feed Hand Ratchet Pawl with 18791
10034	421	" " " " Hinge Stud
5569	416	" " " " Spring ...
18791	4791	" " " " Hook, for 18877 .....

No.	Plate	Name
10035	421	Feed Hand Ratchet Pawl Spring Hook, for Bed .....
18878	—	Feed Hand Ratchet complete, Nos. 10034, 10261, 10262 and 18877 ....
10298	—	Feed and Looper Cam with two 445c
445c	423	" " " " Set Screw ..
10041	416	" Regulator (2) .....
176d	423	" " Screw (2) .....
10040	418	" Shipper Lever with 1814 .....
71d	1797	" " " Hinge Screw ...
1814	421	" " " Roller and Stud
10901	—	" Wheel with 207c, 10064, 10065, 10080, 10895, two each 401E and 756E, for $\frac{3}{8}$ in. buttonhole .....
10902	—	Feed Wheel with 207c, 10066, 10067, 10081, 10895, two each 401E and 756E, for $\frac{3}{8}$ in. buttonhole .....
10903	—	Feed Wheel with 207c, 10068, 10069, 10082, 10895, two each 401E and 756E, for $\frac{3}{8}$ in. buttonhole .....
10904	—	Feed Wheel with 207c, 10070, 10071, 10083, 10895, two each 401E and 756E, for $\frac{3}{8}$ in. buttonhole .....
10905	—	Feed Wheel with 207c, 10072, 10073, 10084, 10895, two each 401E and 756E, for $\frac{1}{2}$ in. buttonhole .....
10906	—	Feed Wheel with 207c, 756E, 10074, 10075, 10085, 10895 and three 401E, for $\frac{3}{8}$ in. buttonhole .....
10907	—	Feed Wheel with 207c, 10076, 10077, 10086, 10895, two each 401E and 756E, for $\frac{3}{8}$ in. buttonhole .....
10908	—	Feed Wheel with 207c, 10078, 10079, 10087, 10895, two each 401E and 756E, for 1 in. buttonhole .....
10059	416	Feed Wheel Brake Dog with 10060
5569	416	" " " " Spring ....
10035	421	" " " " " Hook
10060	421	" " " " Stud .....
10064	—	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (inside), for 10901 .....
10065	—	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (outside), for 10901 .....
10066	—	Feed Wheel Cam Groove Protector, $\frac{1}{2}$ in. (inside), for 10902 .....
10067	—	Feed Wheel Cam Groove Protector, $\frac{1}{2}$ in. (outside), for 10902 .....
10068	416	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (inside), for 10903 .....

No.	Plate	Name
10069	416	Feed Wheel Cam Groove Protector, $\frac{1}{16}$ in. (outside), for 10903 .....
10070	—	Feed Wheel Cam Groove Protector, $\frac{5}{8}$ in. (inside), for 10904 .....
10071	—	Feed Wheel Cam Groove Protector, $\frac{5}{8}$ in. (outside), for 10904 .....
10072	—	Feed Wheel Cam Groove Protector, $\frac{1}{4}$ in. (inside), for 10905 .....
10073	—	Feed Wheel Cam Groove Protector, $\frac{1}{4}$ in. (outside), for 10905 .....
10074	—	Feed Wheel Cam Groove Protector, $\frac{3}{4}$ in. (inside), for 10906 .....
10075	—	Feed Wheel Cam Groove Protector, $\frac{3}{4}$ in. (outside), for 10906 .....
10076	—	Feed Wheel Cam Groove Protector, $\frac{7}{8}$ in. (inside), for 10907 .....
10077	—	Feed Wheel Cam Groove Protector, $\frac{7}{8}$ in. (outside), for 10907 .....
10078	—	Feed Wheel Cam Groove Protector, 1 in. (inside), for 10908 .....
10079	—	Feed Wheel Cam Groove Protector, 1 in. (outside), for 10908 .....
401E	423	Feed Wheel Cam Groove Protector Screw (long) .....
746D	4791	Feed Wheel Cam Groove Protector Screw (short) .....
18563	4787	Feed Wheel Driving Lever with 129E
129E	4791	" " " " Adjusting Screw .....
10063	416	Feed Wheel Driving Lever Block ..
357F	1797	" " " " " Ad-justing Screw .....
1520E	421	Feed Wheel Driving Lever Block Adjusting Screw Nut .....
8734	416	Feed Wheel Driving Lever Spring ..
10061	4792	" " " " " Pin
429C	1797	" " " " " Supporting Screw .....
1513E	423	Feed Wheel Driving Lever Supporting Screw Nut .....
10296	420	Feed Wheel Friction Block .....
10030	416	" " " " " Spring ..
430C	1797	" " " " " Ad-justing Screw .....
1520E	421	Feed Wheel Friction Block Spring Adjusting Screw Nut .....
10080	—	Feed Wheel Latch, $\frac{3}{8}$ in., for 10901
10081	—	" " " " $\frac{1}{2}$ in., for 10902
10082	416	" " " " $\frac{3}{16}$ in., for 10903

No.	Plate	Name
10083	—	Feed Wheel Latch, $\frac{3}{8}$ in., for 10904
10084	—	" " " " $\frac{1}{4}$ in., for 10905
10085	—	" " " " $\frac{3}{4}$ in., for 10906
10086	—	" " " " $\frac{7}{8}$ in., for 10907
10087	—	" " " " 1 in., for 10908
10895	4793	" " " " Tripping Point .....
207C	4791	" " " " " Screw..
10118	421	Looper (long) .....
10119	421	" (short) .....
10121	416	" Carrier with 1824 .....
10122	418	" " Bracket .....
130D	1797	" " " " Screw .....
10123	416	" " Crank .....
7958	4791	" " " " Pin .....
209F	423	" " " " Set Screw .....
10125	421	" " Needle Guard .....
233D	423	" " " " " Screw ...
2077	4791	" " Pin .....
10127	4787	" " Pitman .....
378C	1797	" " " " Hinge Screw (2)
1520E	421	" " " " " Nut (2) .....
1824	421	Looper Carrier Roller and Stud ....
10130	416	" " Shaft .....
10129	417	" Driving Bell Crank with 1807
2D	416	" " " " " Hinge Screw
1807	421	" " " " " Roller and Stud .....
224F	423	Looper Screw (2) .....
10088	4787	Needle Bar .....
10089	4787	Needle Bar complete, Nos. 10088, 10096, 10108 and 10110 .....
10091	416	Needle Bar Connecting Link with two 390c .....
390C	423	Needle Bar Connecting Link Adjusting Screw .....
29C	1797	Needle Bar Connecting Link Hinge Screw .....
7548	—	Needle Bar Connecting Stud .....
7448	416	" " " " " 7548 with 155c .....
155C	4791	Needle Bar Connecting Stud Set Screw .....
10557	4787	Needle Bar Frame .....
10099	4787	" " " " Bell Crank with 1813 .....
1813	421	Needle Bar Frame Bell Crank Roller and Stud .....
307C	1797	Needle Bar Frame Bell Crank Screw Center (2) .....

No.	Plate	Name
1513E	423	Needle Bar Frame Bell Crank Screw Center Nut (2) .....
10101	416	Needle Bar Frame Cam with two 445c .....
445c	423	Needle Bar Frame Cam Set Screw..
10103	4787	" " " Connecting Rod with 390c .....
390c	423	Needle Bar Frame Connecting Rod Adjusting Screw .....
10104	421	Needle Bar Frame Connecting Rod Ball .....
147c	1797	Needle Bar Frame Connecting Rod Ball Screw .....
37E	1797	Needle Bar Frame Regulating Screw Stud .....
1514c	423	Needle Bar Frame Regulating Screw Stud Nut .....
307c	1797	Needle Bar Frame Screw Center (lower) .....
306c	1797	Needle Bar Frame Screw Center (upper) .....
1513E	423	Needle Bar Frame Screw Center Nut (2) .....
18876	—	Needle Bar Packing Cord (2) .....
290E	1797	" " Screw Bushing (2) .....
10093	416	" " Thread Take-up with 10114 .....
10094	421	Needle Bar Thread Take-up Roller
10095	421	" " " " " " Cap .....
233D	423	Needle Bar Thread Take-up Roller Cap Screw .....
10114	421	Needle Bar Thread Take-up Roller Pin .....
209F	423	Needle Bar Thread Take-up Set Screw .....
10096	416	Needle Bar Thread Take-up complete, Nos. 209F, 233D and 10093 to 10095 .....
10105	421	Needle Clamp .....
10106	421	" " Disc .....
10107	421	" " " Spring .....
93H	423	" " " " Screw .....
10108	421	" " Gib .....
209F	423	" " Set Screw .....
10109	421	" " Thread Guide .....
665D	1797	" " " " Screw ..
10110	421	Needle Clamp complete, Nos. 93H, 209F, 665D, 10105, 10107, 10109 and two 10106 .....

No.	Plate	Name
10134	416	Spreader (left) with 99c and 10136
664D	4791	" " Stop Screw .....
10132	416	" (right) with 99c and 10136 ..
240D	423	" " Stop Screw .....
99c	423	" Hinge Screw .....
10135	421	" Spring .....
10136	421	" " Hook .....
2102	416	Tension (under thread) Disc (2) ..
1560c	421	" " " Regulating Thumb Nut .....
50021D	—	Tension (under thread) Screw Stud
10148	421	" " " Spring .....
10145	421	" " " Thread Guide
10144	4787	" (upper thread) and Spool Bracket .....
10146	—	Tension (upper thread) and Spool Bracket complete, Nos. 415D, 488D, 1560c, 2103, 8039, 10111, 10112, 10144, 10145 and two 2102 .....
159D	423	Tension (upper thread) and Spool Bracket Screw (2) .....
2102	416	Tension (upper thread) Disc .....
1560c	421	" " " Regulating Thumb Nut .....
2103	421	Tension (upper thread) Spring .....
415D	1797	" " " Stud .....
10145	421	" " " Thread Guide
10150	416	Thread (under) Cord Guide .....
333D	423	" " " " Screw..
10147	4787	" " Spool Bracket .....
159D	423	" " " " Screw (2)
488D	419	" " " Spindle, 3½ in. long .....
487D	419	Thread (under) Spool Spindle, 4 in. long .....
10111	421	Thread (under) Spool Spindle Inside Cone (2) .....
10112	421	Thread (under) Spool Spindle Inside Cone Spring (2) .....
8064	—	Thread (under) Spool Spindle Outside Cone .....
8039	416	Thread (under) Spool Spindle Outside Cone 8064 with 759F (2) ..
759F	423	Thread (under) Spool Spindle Outside Cone Thumb Screw .....
10149	416	Thread (under) Take-up Spring ..
10145	421	" " Thread Guide .....
10137	416	" (upper) Nipper Arm .....
77D	1797	" " " " Hinge Screw .....

No.	Plate	Name
1821	421	Thread (upper) Nipper Arm Roller and Stud .....
10139	418	Thread (upper) Nipper Cam with 435c .....
3012	421	Thread (upper) Nipper Cam Pin ..
435c	1797	" " " " Set Screw .....
8800	421	Thread (upper) Nipper Disc (2) ...
1645E	1797	" " " " Regulating Thumb Nut .....
1547D	423	Thread (upper) Nipper Disc Regulating Thumb Nut Lock Nut ....
1153c	1797	Thread (upper) Nipper Disc Screw Stud .....
1547D	423	Thread (upper) Nipper Disc Screw Stud Nut .....
10140	416	Thread (upper) Nipper Lever .....
49F	1797	" " " " Screw .....
10141	421	" " " " Spring .....
10142	416	" " " Link .....
488D	419	" " Spool Spindle, 3½ in. long .....
10111	421	Thread (upper) Spool Spindle Inside Cone .....
10112	421	Thread (upper) Spool Spindle Inside Cone Spring .....
8064	---	Thread (upper) Spool Spindle Outside Cone .....
8039	416	Thread (upper) Spool Spindle Outside Cone 8064 with 759F .....
759F	423	Thread (upper) Spool Spindle Outside Cone Thumb Screw .....
10151	416	Thread (upper) Take-up Spring ....
236F	423	" " " " Screw .....

## LIST OF PARTS COMPLETE

FOR

**MACHINE No. 23-4**HAS STRAIGHT BARRING ATTACHMENT  
AND AUTOMATIC STOP

For Leather

Makes Buttonholes  $\frac{3}{8}$  to  $1\frac{1}{8}$  inches long

No.	Plate	Name
*10001	---	Arm with 771D and 10008 .....
8582	421	" Dowel Pin (2) .....
118E	1797	" Screw (3) .....
10002	417	" Shaft (horizontal) .....
18820	1784	" " " Gear with 453c .....
2117	421	" " " " Pin .....
453c	423	" " " " Set Screw .....
144D	1797	" " " " Screw .....
10005	417	" " (upright) .....
18821	1784	" " " Gear with 453c ..
2117	421	" " " " Pin .....
453c	423	" " " " Set Screw ..
*10008	---	" Side Plate .....
771D	1797	" " " Thumb Screw .....
10217	418	Barring Lever .....
10218	420	" " Cap .....
176D	423	" " " Screw .....
10219	420	" " " Clutch .....
217F	423	" " " Adjusting Screw (2) .....
10220	420	Barring Lever Clutch Lever .....
100D	423	" " " " Hinge Screw .....
10222	420	Barring Lever Clutch Lever Yielding Connection with 10251 .....
91F	423	Barring Lever Clutch Lever Yielding Connection Guide Screw .....
106D	423	Barring Lever Clutch Lever Yielding Connection Hinge Screw .....
10223	423	Barring Lever Clutch Lever Yielding Connection Spring .....
10251	423	Barring Lever Clutch Lever Yielding Connection Spring Hook .....

## Parts for Machine No. 23-4

No.	Plate	Name
233D	423	Barring Lever Clutch Lever Yielding Connection Spring Screw .....
*10225	—	Bed .....
10301	4788	" Plate .....
10449	—	" " 10301 with 10305, 10306 and three 405E .....
10303	—	Bed Plate complete, Nos. 10024 and 10449 .....
10305	416	Bed Plate Button .....
405E	423	" " " Screw .....
10306	418	" " " Slide .....
10307	418	" " " Connection with 10136 .....
10309	421	Bed Plate Button Slide Connection Spring .....
10136	421	Bed Plate Button Slide Connection Spring Hook (2) .....
214D	1797	Bed Plate Button Slide Connection Stop Screw .....
10020	416	Bed Plate Clamp Guide Slide with 1827 .....
10021	416	Bed Plate Clamp Guide Slide Guide .....
399F	423	" " " " " " Screw .....
1827	421	Bed Plate Clamp Guide Slide Roller and Stud .....
10023	416	Bed Plate Clamp Guide Slide Spring .....
10022	421	" " " " " " Stop Stud .....
10024	416	Bed Plate Clamp Guide complete, Nos. 10020, 10022, 10023, two 10021 and four 399F .....
389F	423	Bed Plate Screw (4) .....
10154	419	Clamp Arm (lower, left) .....
10153	419	" " (lower, right) .....
10156	419	" " (lower) Front Guide (left) .....
10155	419	Clamp Arm (lower) Front Guide (right) .....
10157	421	Clamp Arm (lower) Front Guide Dowel Pin .....
402D	423	Clamp Arm (lower) Front Guide Screw .....
10159	419	Clamp Arm (lower) Rear Guide (left) .....
10161	423	Clamp Arm (lower) Rear Guide (left) Rivet .....

No.	Plate	Name
10158	419	Clamp Arm (lower) Rear Guide (right) .....
10160	421	Clamp Arm (lower) Rear Guide (right) Rivet .....
10163	419	Clamp Arm (upper, left) with 10165 .....
10162	419	" " (upper, right) with 10165 .....
10164	419	" " (upper) Adjusting Slide .....
247F	423	" " " " " " Screw .....
10165	421	Clamp Arm (upper) Adjusting Slide Steady Pin .....
10170	419	Clamp Arm (upper) Connecting Yoke .....
10171	419	" " " " " " Link with two 220D .....
220D	423	Clamp Arm (upper) Connecting Yoke Link Screw .....
10172	419	Clamp Arm (upper) Hinge .....
10173	423	" " " " Pin .....
176D	423	" " " " Screw .....
10195	4792	" " " " Spring .....
10174	419	" " " " Spreader .....
10175	418	" " " " Lever .....
99E	423	" " " " Hinge Screw .....
10176	419	" " " " Link .....
105D	423	" " " " Hinge Screw .....
109D	423	" " " " Screw .....
10167	419	" Check (left) .....
10166	419	" " (right) .....
10157	421	" " Hinge Pin .....
10177	419	" Crank Shaft .....
10179	419	" " " " Bracket (left) ..
10178	419	" " " " (right) ...
397E	423	" " " " " " Screw (large) .....
223E	423	Clamp Crank Shaft Bracket Screw (small) .....
10180	419	Clamp Crank Shaft Lever .....
10181	423	" " " " " " Pin .....
10182	419	" Guide Pin .....
10183	419	" " " " Lifter .....
103D	423	" " " " Hinge Screw .....
10184	419	" " " " Spring .....
233D	423	" " " " " " Screw .....
10157	421	" " " " Stop Pin .....
10185	419	" " " " Post .....
10186	4787	" Plate .....
10187	423	" Thread Catch .....
240D	423	" " " " Screw .....

No.	Plate	Name
10188	4787	Clamp complete, Nos. 99E, 103D, 105D, 109D, 233D, 240D, 10153 to 10156, 10158, 10159, 10162, 10163, 10166, 10167, 10170, 10171, 10174 to 10187, two each 176D, 223E, 247E, 397E, 402D, 10160, 10161, 10164, 10172, 10173, 10195 and five 10157 .....
10229	417	Driving and Stop Motion Balance Wheel with two 445c .....
445c	423	Driving and Stop Motion Balance Wheel Set Screw .....
10230	418	Driving and Stop Motion Connecting Rod .....
10232	—	Driving and Stop Motion Connecting Rod 10230 with 10231 .....
10231	420	Driving and Stop Motion Connecting Rod Head .....
38D	1797	Driving and Stop Motion Connecting Rod Head Hinge Screw .....
10233	420	Driving and Stop Motion Connecting Rod Link .....
57c	1797	Driving and Stop Motion Connecting Rod Link Hinge Screw .....
10235	417	Driving and Stop Motion Friction Pulley with 10236 .....
10236	420	Driving and Stop Motion Friction Pulley Center Bearing .....
10238	417	Driving and Stop Motion Friction Pulley Washer (paper) .....
10239	417	Driving and Stop Motion Lever with 10556 .....
124E	1797	Driving and Stop Motion Lever Adjusting Screw (2) .....
1518E	423	Driving and Stop Motion Lever Adjusting Screw Nut (2) .....
10240	417	Driving and Stop Motion Lever Bracket .....
355D	1797	Driving and Stop Motion Lever Bracket Screw (2) .....
9263	423	Driving and Stop Motion Lever Bracket Screw Washer (2) .....
10241	4793	Driving and Stop Motion Lever Friction Pad (leather) .....
401E	423	Driving and Stop Motion Lever Friction Pad Screw (4) .....
150D	1797	Driving and Stop Motion Lever Screw .....
10243	420	Driving and Stop Motion Lever Screw Washer .....

No.	Plate	Name
10242	420	Driving and Stop Motion Lever Spring .....
10556	4792	Driving and Stop Motion Lever Spring Pin .....
159D	423	Driving and Stop Motion Lever Spring Screw .....
6312	423	Driving and Stop Motion Lever Spring Screw Washer .....
10245	420	Driving and Stop Motion Ratchet Lever with 1823 and 10251 .....
196F	1797	Driving and Stop Motion Ratchet Lever Adjusting Screw .....
63D	1797	Driving and Stop Motion Ratchet Lever Hinge Screw .....
10247	420	Driving and Stop Motion Ratchet Lever Pawl with 10248 .....
100D	423	Driving and Stop Motion Ratchet Lever Pawl Hinge Screw .....
10248	423	Driving and Stop Motion Ratchet Lever Pawl Pin .....
10249	420	Driving and Stop Motion Ratchet Lever Pawl Spring .....
236F	423	Driving and Stop Motion Ratchet Lever Pawl Spring Screw .....
1823	423	Driving and Stop Motion Ratchet Lever Roller and Stud .....
5569	416	Driving and Stop Motion Ratchet Lever Spring .....
10257	423	Driving and Stop Motion Ratchet Lever Spring Hook .....
10252	418	Driving and Stop Motion Starting Lever .....
52c	1797	Driving and Stop Motion Starting Lever Hinge Screw .....
10254	420	Driving and Stop Motion Tripping Lever with two 10257 .....
10255	420	Driving and Stop Motion Tripping Lever Catch .....
106D	423	Driving and Stop Motion Tripping Lever Catch Hinge Screw .....
10223	423	Driving and Stop Motion Tripping Lever Catch Spring .....
233D	423	Driving and Stop Motion Tripping Lever Catch Spring Screw .....
77D	1797	Driving and Stop Motion Tripping Lever Hinge Screw .....
10256	420	Driving and Stop Motion Tripping Lever Spring .....
10257	423	Driving and Stop Motion Tripping Lever Spring Pin .....

No.	Plate	Name
10026	4787	Face Plate .....
176D	423	" " Screw (3) .....
10152	421	" " Thread Guide .....
10028	417	Feed Driving Bell Crank Lever with 1805 .....
2D	416	Feed Driving Bell Crank Lever Hinge Screw .....
1805	421	Feed Driving Bell Crank Lever Rol- ler and Stud .....
10261	4792	Feed Hand Ratchet Lever .....
10262	4792	" " " " Handle .....
52C	1797	" " " " Hinge Screw .....
18877	—	Feed Hand Ratchet Pawl with 18791
10034	421	" " " " Hinge Stud
5569	416	" " " " Spring .....
18791	4791	" " " " Hook, for 18877 .....
10035	—	Feed Hand Ratchet Pawl Spring Hook, for Bed .....
18878	—	Feed Hand Ratchet complete, Nos. 10034, 10261, 10262 and 18877 .....
10370	417	Feed and Looper Cam with two 445C
445C	423	" " " " Set Screw .....
10041	416	" Regulator (2) .....
176D	423	" " Screw (2) .....
10040	418	" Shipper Lever with 1814 .....
71D	1797	" " " Hinge Screw .....
1814	421	" " " Roller and Stud.
10909	—	" Wheel with 207c, 10347, 10348, 10364, 10895, two each 401E and 756E, for $\frac{3}{8}$ in. buttonhole .....
10910	—	Feed Wheel with 207c, 10082, 10349, 10350, 10895, two each 401E and 756E, for $\frac{1}{2}$ in. buttonhole .....
10911	417	Feed Wheel with 207c, 10351, 10352, 10365, 10895, two each 401E and 756E, for $\frac{5}{16}$ in. buttonhole .....
10912	—	Feed Wheel with 207c, 10353, 10354, 10366, 10895, two each 401E and 756E, for $\frac{3}{8}$ in. buttonhole .....
10913	—	Feed Wheel with 207c, 10355, 10356, 10408, 10895 and four 401E, for $\frac{1}{2}$ in. buttonhole .....
10914	—	Feed Wheel with 207c, 10357, 10358, 10409, 10895 and four 401E, for $\frac{3}{8}$ in. buttonhole .....
10915	—	Feed Wheel with 207c, 10359, 10360, 10367, 10895, two each 401E and 756E, for $\frac{3}{8}$ in. buttonhole .....

No.	Plate	Name
10916	—	Feed Wheel with 207c, 10362, 10363, 10368, 10895, two each 401E and 756E, for 1 in. buttonhole .....
10970	—	Feed Wheel with 207c, 10705, 10895, 10972, 10973, two each 401E and 756E, for $1\frac{1}{2}$ in. buttonhole .....
10981	—	Feed Wheel with 207c, 10706, 10895, 10983, 10984 and four 756E, for $1\frac{1}{2}$ in. buttonhole .....
10059	416	Feed Wheel Brake Dog with 10060 .....
5569	416	" " " Spring .....
10035	421	" " " Hook .....
10060	421	" " " Stud .....
10347	—	" " Cam Groove Protector, $\frac{3}{8}$ in. (inside), for 10909 .....
10348	—	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (outside), for 10909 .....
10349	—	Feed Wheel Cam Groove Protector, $\frac{1}{2}$ in. (inside), for 10910 .....
10350	—	Feed Wheel Cam Groove Protector, $\frac{1}{2}$ in. (outside), for 10910 .....
10351	—	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (inside), for 10911 .....
10352	—	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (outside), for 10911 .....
10353	—	Feed Wheel Cam Groove Protector, $\frac{5}{8}$ in. (inside), for 10912 .....
10354	—	Feed Wheel Cam Groove Protector, $\frac{5}{8}$ in. (outside), for 10912 .....
10355	—	Feed Wheel Cam Groove Protector, $\frac{1}{2}$ in. (inside), for 10913 .....
10356	—	Feed Wheel Cam Groove Protector, $\frac{1}{2}$ in. (outside), for 10913 .....
10357	—	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (inside), for 10914 .....
10358	—	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (outside), for 10914 .....
10359	—	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (inside), for 10915 .....
10360	—	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (outside), for 10915 .....
10362	—	Feed Wheel Cam Groove Protector, 1 in. (inside), for 10916 .....
10363	—	Feed Wheel Cam Groove Protector, 1 in. (outside), for 10916 .....
10972	—	Feed Wheel Cam Groove Protector, $1\frac{1}{8}$ in. (inside), for 10970 .....
10973	—	Feed Wheel Cam Groove Protector, $1\frac{1}{8}$ in. (outside), for 10970 .....



No.	Plate	Name
10983	—	Feed Wheel Cam Groove Protector, 1 $\frac{1}{4}$ in. (inside), for 10981 .....
10984	—	Feed Wheel Cam Groove Protector, 1 $\frac{1}{8}$ in. (outside), for 10981 .....
401E	423	Feed Wheel Cam Groove Protector Screw (long) .....
756E	4791	Feed Wheel Cam Groove Protector Screw (short) .....
18563	4787	Feed Wheel Driving Lever with 129E
129E	4791	" " " " Adjusting Screw .....
10063	416	Feed Wheel Driving Lever Block ..
357F	1797	" " " " " Ad- justing Screw .....
1520E	421	Feed Wheel Driving Lever Block Adjusting Screw Nut .....
8734	416	Feed Wheel Driving Lever Spring ..
10061	4792	" " " " " Pin
429C	1797	" " " " " Supporting Screw .....
1513E	423	Feed Wheel Driving Lever Support- ing Screw Nut .....
10296	420	Feed Wheel Friction Block .....
10030	416	" " " " " Spring ..
430C	1797	" " " " " Ad- justing Screw .....
1520E	421	Feed Wheel Friction Block Spring Adjusting Screw Nut .....
10364	—	Feed Wheel Latch, $\frac{3}{8}$ in., for 10909
10082	—	" " " $\frac{1}{2}$ in., for 10910
10365	—	" " " $\frac{3}{8}$ in., for 10911
10366	—	" " " $\frac{5}{8}$ in., for 10912
10408	—	" " " $\frac{1}{2}$ in., for 10913
10409	—	" " " $\frac{3}{4}$ in., for 10914
10367	—	" " " $\frac{7}{8}$ in., for 10915
10368	—	" " " 1 in., for 10916
10705	—	" " " 1 $\frac{1}{8}$ in., for 10970
10706	—	" " " 1 $\frac{1}{2}$ in., for 10981
10895	4793	" " Tripping Point .....
207C	4791	" " " " Screw ..
10371	423	Looper (long) .....
10372	423	" (short) .....
10373	420	" Carrier .....
10122	418	" " Bracket .....
7958	4791	" " " Dowel Pin .....
130D	1797	" " " Screw .....
10123	416	" " Crank .....
7958	4791	" " " Pin .....
209F	423	" " " Set Screw .....
10374	423	" " Needle Guard .....

No.	Plate	Name
233D	423	Looper Carrier Needle Guard Screw
2077	4791	" " Pin .....
10127	4787	" " Pitman .....
378C	1797	" " " Hinge Screw (2)
1520E	421	" " " " " Nut (2) .....
10130	416	Looper Carrier Shaft .....
10129	417	" Driving Bell Crank with 1807
2D	416	" " " " Hinge Screw
1807	421	" " " " Roller and Stud .....
224F	423	Looper Screw (2) .....
10088	4787	Needle Bar .....
10089	4787	Needle Bar complete, Nos. 10088, 10096, 10108 and 10110 .....
10091	416	Needle Bar Connecting Link with two 390c .....
390C	423	Needle Bar Connecting Link Adjust- ing Screw .....
29C	1797	Needle Bar Connecting Link Hinge Screw .....
7548	—	Needle Bar Connecting Stud .....
7448	416	" " " " 7548 with 155c .....
155C	4791	Needle Bar Connecting Stud Set Screw .....
10557	4787	Needle Bar Frame .....
10099	4787	" " " Bell Crank with 1813 .....
1813	421	Needle Bar Frame Bell Crank Roller and Stud .....
307C	1797	Needle Bar Frame Bell Crank Screw Center (2) .....
1513E	423	Needle Bar Frame Bell Crank Screw Center Nut (2) .....
10101	416	Needle Bar Frame Cam with two 445c .....
445C	423	Needle Bar Frame Cam Set Screw
10103	4787	" " " Connecting Rod with 390c .....
390C	423	Needle Bar Frame Connecting Rod Adjusting Screw .....
10104	421	Needle Bar Frame Connecting Rod Ball .....
147C	1797	Needle Bar Frame Connecting Rod Ball Screw .....
37E	1797	Needle Bar Frame Regulating Screw Stud .....
1514E	423	Needle Bar Frame Regulating Screw Stud Nut .....

No.	Plate	Name
307c	1797	Needle Bar Frame Screw Center (lower)
306c	1797	Needle Bar Frame Screw Center (upper)
1513E	423	Needle Bar Frame Screw Center Nut (2)
18876	—	Needle Bar Packing Cord (2)
290E	1797	" " Screw Bushing (2)
10093	416	" " Thread Take-up with 10114
10094	421	Needle Bar Thread Take-up Roller
10095	421	" " " " " "
		Cap
233D	423	Needle Bar Thread Take-up Roller Cap Screw
10114	421	Needle Bar Thread Take-up Roller Pin
209F	423	Needle Bar Thread Take-up Set Screw
10096	416	Needle Bar Thread Take-up complete, Nos. 209F, 233D and 10093 to 10095
10105	421	Needle Clamp
10106	421	" " Disc
10107	421	" " Spring
93H	423	" " " " Screw
10108	421	" " Gib
209F	423	" " Set Screw
10109	421	" " Thread Guide
665D	1797	" " " " Screw
10110	421	Needle Clamp complete, Nos. 93H, 209F, 665D, 10105, 10107, 10109 and two 10106
10378	423	Spreader (left) with 110c
10376	423	" (right) with 110c
10382	423	" Cam (left)
10381	423	" " (right)
10383	423	" " Adjusting Slide (2)
185H	1797	" " " " Screw (2)
228D	423	" " Screw (2)
110C	423	" Hinge Screw
10223	423	" Spring (2)
229D	423	" " Screw (2)
2102	416	Tension (upper thread) Disc (2)
1560C	421	" " " " Regulating Thumb Nut
50021E	—	Tension (under thread) Screw Stud
10148	421	" " " " Spring
10145	421	" " " " Thread Guide

No.	Plate	Name
10144	4787	Tension (upper thread) and Spool Bracket
10146	—	Tension (upper thread) and Spool Bracket complete, Nos. 415D, 488D, 1560C, 2103, 8039, 10111, 10112, 10144, 10145 and two 2102
159D	423	Tension (upper thread) and Spool Bracket Screw (2)
2102	416	Tension (upper thread) Disc
1560C	421	" " " " Regulating Thumb Nut
2103	421	Tension (upper thread) Spring
415D	1797	" " " " Stud
10145	421	" " " " Thread Guide
10150	416	Thread (under) Cord Guide
333D	423	" " " " Screw
10147	4787	" " " " Spool Bracket
159D	423	" " " " Screw (2)
488D	419	" " " " Spindle, 3 1/2 in. long
487D	419	Thread (under) Spool Spindle, 4 in. long
10111	421	Thread (under) Spool Spindle Inside Cone (2)
10112	421	Thread (under) Spool Spindle Inside Cone Spring (2)
8064	—	Thread (under) Spool Spindle Outside Cone
8039	416	Thread (under) Spool Spindle Outside Cone 8064 with 759F (2)
759F	423	Thread (under) Spool Spindle Outside Cone Thumb Screw
10149	416	Thread (under) Take-up Spring
10145	421	" " Thread Guide
10137	416	" (upper) Nipper Arm
77D	1797	" " " " Hinge Screw
1821	421	Thread (upper) Nipper Arm Roller and Stud
10139	418	Thread (upper) Nipper Cam with 435c
3012	421	Thread (upper) Nipper Cam Pin
435C	1797	" " " " Set Screw
8800	421	Thread (upper) Nipper Disc (2)
1645E	1797	" " " " Regulating Thumb Nut
1547D	423	Thread (upper) Nipper Disc Regulating Thumb Nut Lock Nut

No.	Plate	Name
1153c	1797	Thread (upper) Nipper Disc Screw Stud .....
1547D	423	Thread (upper) Nipper Disc Screw Stud Nut .....
10140	416	Thread (upper) Nipper Lever .....
49F	1797	" " " " Screw
10141	421	" " " " Spring
10142	416	" " " " Link .....
488D	419	Thread (upper) Spool Spindle, 3½ in. long .....
10111	421	Thread (upper) Spool Spindle Inside Cone .....
10112	421	Thread (upper) Spool Spindle Inside Cone Spring .....
8064	—	Thread (upper) Spool Spindle Outside Cone .....
8039	416	Thread (upper) Spool Spindle Outside Cone 8064 with 759F .....
759F	423	Thread (upper) Spool Spindle Outside Cone Thumb Screw .....
10151	416	Thread (upper) Take-up Spring .....
236F	423	" " " " Screw

## LIST OF PARTS COMPLETE

FOR

## MACHINE No. 23-9

HAS CUTTING ATTACHMENT AND TAPER  
BAR ATTACHMENT UP TO 1⅜ INCHES

For Cloth

Makes Buttonholes ½ to 1½ inches long

No.	Plate	Name
*10451	—	Arm with 771D and 10008 .....
8582	421	" Dowel Pin (2) .....
118E	1797	" Screw (3) .....
10002	417	" Shaft (horizontal) .....
18820	1784	" " " Gear with 453c.
2117	421	" " " " Pin .....
453c	423	" " " " Set Screw
144D	1797	" " " " Screw .....
10005	417	" " (upright) .....
18821	1784	" " " Gear with 453c ..
2117	421	" " " " Pin .....
453c	423	" " " " Set Screw ..
*10008	—	" Side Plate .....
771D	1797	" " " Thumb Screw .....
10010	4787	Balance Wheel, 2¼ in. pulley, with two 448c .....
448c	423	Balance Wheel Set Screw .....
*10456	—	Bed .....
18801	—	" Plate with 18620, 18621 and four 405E, for ½ to 1 in. buttonholes ..
18802	—	Bed Plate 18801 with 18797, 18798 and four 231c .....
18756	—	Bed Plate complete, for ½ to 1 in. buttonholes, Nos. 10024, 10132, 10134, 10503, 18802, two each 10135, 10136 and three 405E .....
18799	4789	Bed Plate with two 18619 and four 405E, for 1¼ to 1½ in. buttonholes
18800	—	Bed Plate 18799 with 18797, 18798 and four 231c .....
18755	—	Bed Plate complete, for 1¼ to 1½ in. buttonholes, Nos. 10024, 10132, 10134, 10503, 18800, two each 10135, 10136 and three 405E .....

No.	Plate	Name
10575	—	Bed Plate Button .....
10503	4790	" " " with 240D and 664D
405E	423	" " " Screw .....
10020	416	" " Clamp Guide Slide with
		1827 .....
10021	416	Bed Plate Clamp Guide Slide Guide
399F	423	" " " " " " "
		Screw .....
1827	421	Bed Plate Clamp Guide Slide Roller
		and Stud .....
10023	416	Bed Plate Clamp Guide Slide Spring
10022	421	" " " " " " "
		Stop Stud .....
10024	416	Bed Plate Clamp Guide complete,
		Nos. 10020, 10022, 10023, two 10021
		and four 399F .....
18797	4792	Bed Plate Clamp Stop (left) with
		18752 .....
18798	4792	Bed Plate Clamp Stop (right) with
		18752 .....
231C	1797	Bed Plate Clamp Stop Screw .....
18752	—	" " " " Stud .....
10461	421	" " Dowel Pin .....
18620	4793	" " Protector (left), for $\frac{1}{2}$ to
		1 in. buttonholes, for 18801 .....
18621	4793	Bed Plate Protector (right), for $\frac{1}{2}$
		to 1 in. buttonholes, for 18801 .....
18619	4793	Bed Plate Protector, for $1\frac{1}{8}$ to $1\frac{1}{2}$ in.
		buttonholes, for 18799 .....
405E	423	Bed Plate Protector Screw .....
389F	423	" " Screw (4) .....
10818	419	Clamp Arm (lower, left) .....
10817	419	" " (lower, right) .....
10820	419	" " (lower) Front Guide
		(left) .....
10819	419	Clamp Arm (lower) Front Guide
		(right) .....
10157	421	Clamp Arm (lower) Front Guide
		Dowel Pin .....
402D	423	Clamp Arm (lower) Front Guide
		Screw .....
10159	419	Clamp Arm (lower) Rear Guide
		(left) .....
10161	423	Clamp Arm (lower) Rear Guide
		(left) Rivet .....
10158	419	Clamp Arm (lower) Rear Guide
		(right) .....
10160	421	Clamp Arm (lower) Rear Guide
		(right) Rivet .....

No.	Plate	Name
10823	419	Clamp Arm (upper, left) with 10165
10822	419	" " (upper, right) with 10165
10164	419	" " (upper) Adjusting Slide
247F	423	" " " " " "
		Screw .....
10165	421	Clamp Arm (upper) Adjusting Slide
		Steady Pin .....
10170	419	Clamp Arm (upper) Connecting Yoke
10171	419	" " " " " "
		Link with two 220D .....
220D	423	Clamp Arm (upper) Connecting Yoke
		Link Screw .....
10172	419	Clamp Arm (upper) Hinge .....
10173	423	" " " " Pin .....
176D	423	" " " " Screw .....
10195	4792	" " " " Spring .....
10174	419	" " " " Spreader .....
10821	418	" " " " Lever .....
99E	423	" " " " Hinge Screw
10176	419	" " " " Link .....
105D	423	" " " " " " Hinge
		Screw .....
109D	423	Clamp Arm Spreader Screw .....
10825	419	" " Check (left), $1\frac{1}{2}$ inch .....
10824	419	" " (right), $1\frac{1}{2}$ inch .....
10157	421	" " Hinge Pin .....
10177	419	" " Crank Shaft .....
10179	419	" " " " Bracket (left) .....
10178	419	" " " " (right) .....
397E	423	" " " " " " Screw
		(large) .....
223E	423	Clamp Crank Shaft Bracket Screw
		(small) .....
10180	419	Clamp Crank Shaft Lever .....
10181	423	" " " " " " Pin .....
10182	419	" " Guide Pin .....
10183	419	" " " " Lifter .....
103D	423	" " " " " " Hinge Screw
10184	419	" " " " " " Spring .....
233D	423	" " " " " " " " Screw
10157	421	" " " " " " Stop Pin .....
10185	419	" " " " " " Post .....
10573	4790	" " Plate .....
10202	—	" " Deflecting Piece, $\frac{1}{2}$ in.
		(left) .....
10201	—	Clamp Plate Deflecting Piece, $\frac{1}{2}$ in.
		(right) .....
10204	—	Clamp Plate Deflecting Piece, $\frac{3}{8}$ in.
		(left) .....

No.	Plate	Name
10203	—	Clamp Plate Deflecting Piece, $\frac{3}{8}$ in. (right) .....
10206	4790	Clamp Plate Deflecting Piece, $\frac{3}{8}$ in. (left) .....
10205	4790	Clamp Plate Deflecting Piece, $\frac{3}{8}$ in. (right) .....
10386	—	Clamp Plate Deflecting Piece, $\frac{1}{8}$ in. (left) .....
10385	—	Clamp Plate Deflecting Piece, $\frac{1}{8}$ in. (right) .....
10208	—	Clamp Plate Deflecting Piece, $\frac{3}{4}$ in. (left) .....
10207	—	Clamp Plate Deflecting Piece, $\frac{3}{4}$ in. (right) .....
10210	—	Clamp Plate Deflecting Piece, $\frac{3}{4}$ in. (left) .....
10209	—	Clamp Plate Deflecting Piece, $\frac{3}{4}$ in. (right) .....
10212	—	Clamp Plate Deflecting Piece, 1 in. (left) .....
10211	—	Clamp Plate Deflecting Piece, 1 in. (right) .....
10946	—	Clamp Plate Deflecting Piece, $1\frac{1}{8}$ in. (left) .....
10945	—	Clamp Plate Deflecting Piece, $1\frac{1}{8}$ in. (right) .....
10214	—	Clamp Plate Deflecting Piece, $1\frac{1}{8}$ in. (left) .....
10213	—	Clamp Plate Deflecting Piece, $1\frac{1}{8}$ in. (right) .....
10388	—	Clamp Plate Deflecting Piece, $1\frac{1}{8}$ in. (left) .....
10387	—	Clamp Plate Deflecting Piece, $1\frac{1}{8}$ in. (right) .....
10390	—	Clamp Plate Deflecting Piece, $1\frac{1}{8}$ in. (left) .....
10389	—	Clamp Plate Deflecting Piece, $1\frac{1}{8}$ in. (right) .....
757E	4791	Clamp Plate Deflecting Piece Screw
10187	423	" Thread Catch .....
240D	423	" " " Screw .....
10577	—	Clamp, $1\frac{1}{4}$ in., complete, Nos. 99E, 103D, 105D, 109D, 233D, 240D, 10158, 10159, 10170, 10171, 10174, 10176 to 10185, 10187, 10573, 10817 to 10823, 10826, 10827, two each 176D, 223E, 247E, 397E, 402D, 10160, 10161, 10164, 10172, 10173, 10195 and five 10157 .....

No.	Plate	Name
10578	—	Clamp, $1\frac{1}{2}$ in., complete, Nos. 99E, 103D, 105D, 109D, 233D, 240D, 10158, 10159, 10170, 10171, 10174, 10176 to 10185, 10187, 10573, 10817 to 10825, two each 176D, 223E, 247E, 397E, 402D, 10160, 10161, 10164, 10172, 10173, 10195 and five 10157 .....
18548	422	Cutting Block (brass), $\frac{1}{2}$ in., for 10551 .....
18750	4791	Cutting Block (brass), $\frac{1}{2}$ in., for 10632 .....
18751	4791	Cutting Block (brass), $\frac{3}{8}$ in., for 10632 .....
10464	422	Cutting Block (brass), $\frac{5}{8}$ in., for 10547 .....
10465	422	Cutting Block (brass), $\frac{3}{4}$ in., for 10547 .....
10469	422	Cutting Block (brass), $\frac{3}{4}$ in., for 10551 .....
10466	422	Cutting Block (brass), $\frac{3}{4}$ in., for 10549 .....
10502	422	Cutting Block (brass), $\frac{3}{4}$ in., for 10551 .....
10467	422	Cutting Block (brass), 1 in., for 10549 .....
10470	422	Cutting Block (brass), 1 in., for 10551 .....
10471	422	Cutting Block (brass), $1\frac{1}{8}$ in., for 10551 .....
10472	422	Cutting Block (brass), $1\frac{1}{4}$ in., for 10551 .....
10473	422	Cutting Block (brass), $1\frac{1}{8}$ in., for 10551 .....
10474	422	Cutting Block (brass), $1\frac{1}{2}$ in., for 10551 .....
10452	417	Cutting Block Arm .....
10453	422	" " " Ratchet Wheel
10454	422	" " " " "
		Retaining Spring Latch .....
159D	423	Cutting Block Arm Ratchet Wheel
		Retaining Spring Latch Screw ..
304C	1797	Cutting Block Arm Screw Center (2)
1513E	423	" " " " " Nut (2) .....
10455	418	Cutting Block Arm Spring .....
444E	423	" " Set Screw (2) .....
18576	4793	Eye Stop, for 10632 .....
10893	4793	" " " 10547 and 10549 .....
1071C	1797	" " Adjusting Screw .....
1518E	423	" " " " Nut .....

No.	Plate	Name
10026	4787	Face Plate .....
176D	423	" " Screw (3) .....
10152	421	" " Thread Guide .....
10028	417	Feed Driving Bell Crank Lever with 1805 .....
2D	416	Feed Driving Bell Crank Lever Hinge Screw .....
1805	421	Feed Driving Bell Crank Lever Rol- ler and Stud .....
10031	418	Feed Hand Ratchet Lever .....
10032	416	" " " " Handle ..
52C	1797	" " " " Hinge Screw .....
18790	4792	Feed Hand Ratchet Pawl with 18791
10034	421	" " " " Hinge Stud
5569	416	" " " " Spring ....
18791	4791	" " " " " Hook, for 18790 .....
10061	4792	Feed Hand Ratchet Pawl Spring Pin, for Bed .....
10036	418	Feed Hand Ratchet complete, Nos. 10031, 10032, 10034 and 18790 ...
10038	417	Feed and Looper Cam with two 445C
445C	423	" " " " Set Screw ..
10041	416	" Regulator (long) .....
10558	416	" " (reverse) .....
10559	416	" " (short) .....
176D	423	" " Screw (2) .....
13894	---	" Shipper Lever with 1814, for buttonholes from $\frac{1}{2}$ to $1\frac{1}{4}$ in. long
10477	418	Feed Shipper Lever with 1814, for buttonholes $1\frac{3}{8}$ and $1\frac{1}{2}$ in. long ..
71D	1797	Feed Shipper Lever Hinge Screw ..
1814	421	" " " Roller and Stud
10479	---	" Wheel with 10081, 10504, 10505, two each 401E and 756E, for $\frac{1}{2}$ in. buttonhole .....
10481	---	Feed Wheel with 10082, 10506, 10507, two each 401E and 756E, for $\frac{3}{8}$ in. buttonhole .....
10483	---	Feed Wheel with 10083, 10508, 10509, two each 401E and 756E, for $\frac{5}{8}$ in. buttonhole .....
10485	---	Feed Wheel with 756E, 10084, 10510, 10511 and three 401E, for $\frac{1}{2}$ in. buttonhole .....
10487	---	Feed Wheel with 756E, 10085, 10512, 10513 and three 401E, for $\frac{3}{4}$ in. buttonhole .....

No.	Plate	Name
10489	---	Feed Wheel with 10086, 10514, 10515, and four 401E, for $\frac{7}{8}$ in. buttonhole
10491	---	Feed Wheel with 756E, 10087, 10516, 10517 and three 401E, for 1 in. but- tonhole .....
18506	---	Feed Wheel with 10520, 18507, 18508, two each 401E and 756E, for $1\frac{1}{8}$ in. buttonhole .....
10495	---	Feed Wheel with 401E, 10518, 10519, 10521 and three 756E, for $1\frac{1}{4}$ in. buttonhole .....
10957	417	Feed Wheel with 401E, 10962, 10963, 10967 and three 756E, for $1\frac{1}{4}$ in. buttonhole .....
18569	---	Feed Wheel with 10523, 18570, 18571, two each 401E and 756E, for $1\frac{3}{8}$ in. buttonhole .....
10958	---	Feed Wheel with 10524, 10964, 10965, and four 401E, for $1\frac{1}{2}$ in. buttonhole
10059	416	Feed Wheel Brake Dog with 10060, 5569 416 " " " " Spring ....
10035	421	" " " " " Hook ..
10060	421	" " " " " Stud .....
10504	420	" " " Cam Groove Protector, $\frac{1}{2}$ in. (inside), for 10479 .....
10505	420	Feed Wheel Cam Groove Protector, $\frac{1}{2}$ in. (outside), for 10479 .....
10506	---	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (inside), for 10481 .....
10507	---	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (outside), for 10481 .....
10508	---	Feed Wheel Cam Groove Protector, $\frac{3}{4}$ in. (inside), for 10483 .....
10509	---	Feed Wheel Cam Groove Protector, $\frac{3}{4}$ in. (outside), for 10483 .....
10510	---	Feed Wheel Cam Groove Protector, $\frac{1}{2}$ in. (inside), for 10485 .....
10511	---	Feed Wheel Cam Groove Protector, $\frac{1}{2}$ in. (outside), for 10485 .....
10512	---	Feed Wheel Cam Groove Protector, $\frac{3}{4}$ in. (inside), for 10487 .....
10513	---	Feed Wheel Cam Groove Protector, $\frac{3}{4}$ in. (outside), for 10487 .....
10514	---	Feed Wheel Cam Groove Protector, $\frac{3}{4}$ in. (inside), for 10489 .....
10515	---	Feed Wheel Cam Groove Protector, $\frac{3}{4}$ in. (outside), for 10489 .....
10516	---	Feed Wheel Cam Groove Protector, 1 in. (inside), for 10491 .....

No.	Plate	Name
10517	—	Feed Wheel Cam Groove Protector, 1 in. (outside), for 10491 .....
18507	—	Feed Wheel Cam Groove Protector, 1 $\frac{1}{8}$ in. (inside), for 18506 .....
18508	—	Feed Wheel Cam Groove Protector, 1 $\frac{1}{8}$ in. (outside), for 18506 .....
10518	—	Feed Wheel Cam Groove Protector, 1 $\frac{1}{8}$ in. (inside), for 10495 .....
10519	—	Feed Wheel Cam Groove Protector, 1 $\frac{1}{8}$ in. (outside), for 10495 .....
10962	—	Feed Wheel Cam Groove Protector, 1 $\frac{1}{4}$ in. (inside), for 10957 .....
10963	—	Feed Wheel Cam Groove Protector, 1 $\frac{1}{4}$ in. (outside), for 10957 .....
18570	—	Feed Wheel Cam Groove Protector, 1 $\frac{3}{8}$ in. (inside), for 18569 .....
18571	—	Feed Wheel Cam Groove Protector, 1 $\frac{3}{8}$ in. (outside), for 18569 .....
10964	—	Feed Wheel Cam Groove Protector, 1 $\frac{1}{2}$ in. (inside), for 10958 .....
10965	—	Feed Wheel Cam Groove Protector, 1 $\frac{1}{2}$ in. (outside), for 10958 .....
401E	423	Feed Wheel Cam Groove Protector Screw (long) .....
756E	4791	Feed Wheel Cam Groove Protector Screw (short) .....
18563	4787	Feed Wheel Driving Lever with 129E
129E	4791	" " " " Adjusting Screw .....
10063	416	Feed Wheel Driving Lever Block ..
357F	1797	" " " " " Ad-justing Screw .....
1520E	420	Feed Wheel Driving Lever Block Adjusting Screw Nut .....
8734	416	Feed Wheel Driving Lever Spring ..
10061	4792	" " " " " Pin
429c	1797	" " " " " Supporting Screw .....
1513E	423	Feed Wheel Driving Lever Support- ing Screw Nut .....
10029	416	Feed Wheel Friction Block .....
10030	416	" " " " " Spring ..
430c	1797	" " " " " Ad-justing Screw .....
1520E	421	Feed Wheel Friction Block Spring Adjusting Screw Nut .....
10081	—	Feed Wheel Latch, $\frac{1}{2}$ in., for 10479
10082	416	" " " $\frac{1}{8}$ in., for 10481
10083	—	" " " $\frac{3}{8}$ in., for 10483
10084	—	" " " $\frac{1}{2}$ in., for 10485

No.	Plate	Name
10085	—	Feed Wheel Latch, $\frac{3}{4}$ in., for 10487
10086	—	" " " $\frac{7}{8}$ in., for 10489
10087	—	" " " 1 in., for 10491
10520	—	" " " 1 $\frac{1}{8}$ in., for 18506
10521	—	" " " 1 $\frac{1}{8}$ in., for 10495
10967	—	" " " 1 $\frac{1}{4}$ in., for 10957
10523	—	" " " 1 $\frac{3}{8}$ in., for 18569
10524	—	" " " 1 $\frac{1}{2}$ in., for 10958
10526	—	Knife, $\frac{1}{2}$ in. (large size eye) .....
10527	422	" $\frac{1}{8}$ in. (large size eye) .....
10528	422	" $\frac{3}{8}$ in. (large size eye) .....
10529	—	" $\frac{1}{2}$ in. (large size eye) .....
10530	422	" $\frac{3}{4}$ in. (large size eye) .....
10531	—	" $\frac{7}{8}$ in. (large size eye) .....
10532	422	" 1 in. (large size eye) .....
10533	—	" 1 $\frac{1}{8}$ in. (large size eye) .....
10534	422	" 1 $\frac{1}{4}$ in. (large size eye) .....
10535	422	" 1 $\frac{1}{2}$ in. (large size eye) .....
10632	1784	" Holder with 209F and two 10556, for 10526 and 10527 .....
10547	1784	Knife Holder with 209F and two 10556, for 10528 to 10530 .....
10549	418	Knife Holder with 209F and two 10556, for 10531 and 10532 .....
10551	418	Knife Holder with 209F and two 10556, for 10533 to 10535 .....
10552	422	Knife Holder Adjusting Collar with 453c .....
	453c	422 Knife Holder Adjusting Collar Set Screw .....
10553	422	Knife Holder Connecting Link .....
	72D	423 " " " " Hinge Screw .....
10554	421	Knife Holder Connecting Link Pin
10555	418	" " Hinge Pin .....
	450c	423 " " " " Set Screw (2)
10560	417	" " Lifting Rock Shaft .....
10561	418	" " " " " Con- necting Pin .....
10562	421	Knife Holder Lifting Rock Shaft Connecting Link Pin (2) .....
	293c	420 Knife Holder Lifting Rock Shaft Screw Center (2) .....
	1501E	420 Knife Holder Lifting Rock Shaft Screw Center Nut (2) .....
10556	4792	Knife Position Pin .....
	209F	423 " Set Screw .....
10118	421	Looper (long) .....

No.	Plate	Name
10119	421	Looper (short) .....
10121	416	" Carrier with 1824 .....
10122	418	" " Bracket .....
130D	1797	" " " Screw .....
10123	416	" " Crank .....
7958	4791	" " " Pin .....
209F	423	" " " Set Screw .....
10125	421	" " Needle Guard .....
235D	423	" " " " Screw .....
2077	4791	" " Pin .....
10127	4787	" " Pitman .....
378C	1797	" " " Hinge Screw (2) .....
1520E	421	" " " " " Nut .....
		(2) .....
1824	421	Looper Carrier Roller and Stud ...
10130	416	" " Shaft .....
10129	417	" Driving Bell Crank with 1807 .....
2D	416	" " " " Hinge Screw .....
1807	421	" " " " Roller and .....
		Stud .....
224F	423	Looper Screw (2) .....
10088	4787	Needle Bar .....
10089	4787	Needle Bar complete, Nos. 10088, .....
		10096, 10108 and 10110 .....
10091	416	Needle Bar Connecting Link with .....
		two 390c .....
390C	423	Needle Bar Connecting Link Adjust- .....
		ing Screw .....
29C	1797	Needle Bar Connecting Link Hinge .....
		Screw .....
7548	---	Needle Bar Connecting Stud .....
7448	416	" " " " 7548 .....
		with 155c .....
155C	4791	Needle Bar Connecting Stud Set .....
		Screw .....
10557	4787	Needle Bar Frame .....
10897	---	" " " Bell Crank with .....
		1813 .....
1813	421	Needle Bar Frame Bell Crank Roller .....
		and Stud .....
307C	1797	Needle Bar Frame Bell Crank Screw .....
		Center (2) .....
1513E	423	Needle Bar Frame Bell Crank Screw .....
		Center Nut (2) .....
10101	416	Needle Bar Frame Cam with two .....
		445c .....
445C	423	Needle Bar Frame Cam Set Screw .....
10103	4787	" " " Connecting Rod .....
		with 390c .....

No.	Plate	Name
390C	423	Needle Bar Frame Connecting Rod .....
		Adjusting Screw .....
10104	421	Needle Bar Frame Connecting Rod .....
		Ball .....
147C	1797	Needle Bar Frame Connecting Rod .....
		Ball Screw .....
37E	1797	Needle Bar Frame Regulating Screw .....
		Stud .....
1514E	423	Needle Bar Frame Regulating Screw .....
		Stud Nut .....
307C	1797	Needle Bar Frame Screw Center .....
		(lower) .....
306C	1797	Needle Bar Frame Screw Center .....
		(upper) .....
1513E	423	Needle Bar Frame Screw Center .....
		Nut (2) .....
18876	---	Needle Bar Packing Cord (2) .....
290E	1797	" " Screw Bushing (2) .....
10093	416	" " Thread Take-up with .....
		10114 .....
10094	421	Needle Bar Thread Take-up Roller .....
10095	421	" " " " " " .....
		Cap .....
233D	423	Needle Bar Thread Take-up Roller .....
		Cap Screw .....
10114	421	Needle Bar Thread Take-up Roller .....
		Pin .....
209F	423	Needle Bar Thread Take-up Set .....
		Screw .....
10096	416	Needle Bar Thread Take-up com- .....
		plete, Nos. 209F, 233D and 10093 .....
		to 10095 .....
10105	421	Needle Clamp .....
10106	421	" " Disc .....
10107	421	" " " Spring .....
93H	423	" " " " Screw .....
10108	421	" " Gib .....
209F	423	" " Set Screw .....
10109	421	" " Thread Guide .....
665D	1797	" " " " Screw .....
10110	421	Needle Clamp complete, Nos. 93H, .....
		209F, 665D, 10105, 10107, 10109 and .....
		two 10106 .....
10134	416	Spreader (left) with 99c and 10136 .....
664D	4791	" " Stop Screw .....
10132	416	" (right) with 99c and 10136 .....
240D	423	" " Stop Screw .....
99C	423	" Hinge Screw .....
10135	421	" Spring .....
10136	421	" " Hook .....



No.	Plate	Name
2102	416	Tension (under thread) Disc (2) ..
1560c	421	" " " " Regulating Thumb Nut .....
50012D	—	Tension (under thread) Screw Stud
10148	421	" " " " Spring .....
10145	421	" " " " Thread Guide
10144	4787	" (upper thread) and Spool Bracket .....
10146	—	Tension (upper thread) and Spool Bracket complete, Nos. 415D, 488D, 1560c, 2103, 8039, 10111, 10112, 10144, 10145 and two 2102 .....
159D	423	Tension (upper thread) and Spool Bracket Screw (2) .....
2102	416	Tension (upper thread) Disc .....
1560c	421	" " " " Regulating Thumb Nut .....
2103	421	Tension (upper thread) Spring ....
415D	1797	" " " " Stud .....
10145	421	" " " " Thread Guide
10150	416	Thread (under) Cord Guide .....
333D	423	" " " " " Screw ..
10147	4787	" " " " Spool Bracket .....
159D	423	" " " " " Screw (2)
488D	419	" " " " Spindle, 3½ in. long .....
487D	419	Thread (under) Spool Spindle, 4 in. long .....
10111	421	Thread (under) Spool Spindle Inside Cone (2) .....
10112	421	Thread (under) Spool Spindle Inside Cone Spring (2) .....
8064	—	Thread (under) Spool Spindle Out- side Cone .....
8039	416	Thread (under) Spool Spindle Out- side Cone 8064 with 759F (2) ...
759F	423	Thread (under) Spool Spindle Out- side Cone Thumb Screw .....
10149	416	Thread (under) Take-up Spring ...
10145	421	" " " " Thread Guide .....
10137	416	" (upper) Nipper Arm .....
77D	1797	" " " " " Hinge Screw .....
1821	421	Thread (upper) Nipper Arm Roller and Stud .....
10567	418	Thread (upper) Nipper Cam with 435c .....
3012	421	Thread (upper) Nipper Cam Pin..
435c	1797	" " " " " Set Screw .....

No.	Plate	Name
8800	420	Thread (upper) Nipper Disc (2) ..
1645E	1797	" " " " " Regu- lating Thumb Nut .....
1547D	423	Thread (upper) Nipper Disc Regu- lating Thumb Nut Lock Nut ....
1153C	1797	Thread (upper) Nipper Disc Screw Stud .....
1547D	423	Thread (upper) Nipper Disc Screw Stud Nut .....
10140	416	Thread (upper) Nipper Lever .....
49F	1797	" " " " " Screw
10141	421	" " " " " Spring
10568	416	" " " " Link .....
488D	419	" " " Spool Spindle, 3½ in. long .....
10111	421	Thread (upper) Spool Spindle Inside Cone .....
10112	421	Thread (upper) Spool Spindle Inside Cone Spring .....
8064	—	Thread (upper) Spool Spindle Out- side Cone .....
8039	416	Thread (upper) Spool Spindle Out- side Cone 8064 with 759F .....
759F	423	Thread (upper) Spool Spindle Out- side Cone Thumb Screw .....
10151	416	Thread (upper) Take-up Spring ....
236F	423	" " " " " Screw

## LIST OF PARTS COMPLETE

FOR

## MACHINE No. 23-10

HAS CUTTING ATTACHMENT AND  
AUTOMATIC STOP

For Cloth

Makes Buttonholes  $\frac{1}{2}$  to  $1\frac{1}{2}$  inches long

No.	Plate	Name
*10890	—	Arm with 771b and 10008 .....
8582	421	" Dowel Pin (2) .....
118E	1797	" Screw (3) .....
10002	417	" Shaft (horizontal) .....
18820	1784	" " " Gear with 453c .....
2117	421	" " " " Pin .....
453c	423	" " " " Set Screw .....
144d	1797	" " " " Screw .....
10005	417	" " (upright) .....
18821	1784	" " " Gear with 453c .....
2117	421	" " " " Pin .....
453c	423	" " " " Set Screw .....
*10008	—	" Side Plate .....
771b	1797	" " " Thumb Screw .....
10217	418	Barring Lever .....
10218	420	" " Cap .....
176d	423	" " " Screw (2) .....
10219	420	" " Clutch .....
217F	423	" " " Adjusting Screw (2) .....
10220	420	Barring Lever Clutch Lever .....
100d	423	" " " " Hinge Screw .....
10222	420	Barring Lever Clutch Lever Yielding Connection with 10251 .....
91F	423	Barring Lever Clutch Lever Yielding Connection Guide Screw .....
106d	423	Barring Lever Clutch Lever Yielding Connection Hinge Screw .....
10223	423	Barring Lever Clutch Lever Yielding Connection Spring .....
10251	423	Barring Lever Clutch Lever Yielding Connection Spring Hook .....

No.	Plate	Name
233D	423	Barring Lever Clutch Lever Yielding Connection Spring Screw .....
*10581	—	Bed .....
18801	—	" Plate with 18620, 18621 and four 405E, for $\frac{1}{2}$ to 1 in. buttonholes ..
18802	—	Bed Plate 18801 with 18797, 18798 and four 231c .....
18754	—	Bed Plate complete, for $\frac{1}{2}$ to 1 in. buttonholes, Nos. 10024, 10132, 10134, 18568, 18802, two each 10135, 10136 and three 405E .....
18799	4789	Bed Plate with two 18619 and four 405E, for $1\frac{1}{8}$ to $1\frac{1}{2}$ in. buttonholes
18800	—	Bed Plate 18799 with 18797, 18798 and four 231c .....
18753	—	Bed Plate complete, for $1\frac{1}{8}$ to $1\frac{1}{2}$ in. buttonholes, Nos. 10024, 10132, 10134, 18568, 18800, two each 10135, 10136 and three 405E .....
18568	416	Bed Plate Button with 240d and 664d
405E	423	" " " " Screw .....
10020	416	" " Clamp Guide Slide with 1827 .....
10021	416	Bed Plate Clamp Guide Slide Guide
399F	423	" " " " " " " Screw .....
1827	421	Bed Plate Clamp Guide Slide Roller and Stud .....
10023	416	Bed Plate Clamp Guide Slide Spring
10022	421	" " " " " " " Stop Stud .....
10024	416	Bed Plate Clamp Guide complete, Nos. 10020, 10022, 10023, two 10021 and four 399F .....
18797	4792	Bed Plate Clamp Stop (left) with 18752 .....
18798	4792	Bed Plate Clamp Stop (right) with 18752 .....
231c	1797	Bed Plate Clamp Stop Screw .....
18752	—	" " " " Stud .....
10461	421	" " Dowel Pin (2) .....
18620	4793	" " Protector (left), for $\frac{1}{2}$ to 1 in. buttonholes, for 18801 .....
18621	4793	Bed Plate Protector (right), for $\frac{1}{2}$ to 1 in. buttonholes, for 18801 .....
18619	4793	Bed Plate Protector, for $1\frac{1}{8}$ to $1\frac{1}{2}$ in. buttonholes, for 18799 .....
405E	423	Bed Plate Protector Screw .....
389F	423	" " " " Screw (4) .....

No.	Plate	Name
10818	419	Clamp Arm (lower, left) .....
10817	419	" " (lower, right) .....
10820	419	" " (lower) Front Guide (left) .....
10819	419	Clamp Arm (lower) Front Guide (right) .....
10157	421	Clamp Arm (lower) Front Guide Dowel Pin .....
402D	423	Clamp Arm (lower) Front Guide Screw .....
10159	419	Clamp Arm (lower) Rear Guide (left) .....
10161	423	Clamp Arm (lower) Rear Guide (left) Rivet .....
10158	419	Clamp Arm (lower) Rear Guide (right) .....
10160	421	Clamp Arm (lower) Rear Guide (right) Rivet .....
10823	419	Clamp Arm (upper, left) with 10165
10822	419	" " (upper, right) with 10165
10164	419	" " (upper) Adjusting Slide
247F	423	" " " " " " Screw .....
10165	421	Clamp Arm (upper) Adjusting Slide Steady Pin .....
10170	419	Clamp Arm (upper) Connecting Yoke
10171	419	" " " " " " Link with two 220D .....
220D	423	Clamp Arm (upper) Connecting Yoke Link Screw .....
10172	419	Clamp Arm (upper) Hinge .....
10173	423	" " " " Pin .....
176D	423	" " " Screw .....
10195	4792	" " " Spring .....
10174	419	" " " Spreader .....
10821	418	" " " Lever .....
99E	423	" " " Hinge Screw
10176	419	" " " Link .....
105D	423	" " " Hinge Screw
109D	423	" " " Screw .....
10827	4790	" Check (left), 1¼ inch .....
10826	4790	" " (right), 1¼ inch .....
10825	419	" " (left), 1½ inch .....
10824	419	" " (right), 1½ inch .....
10157	421	" " Hinge Pin .....
10177	419	" Crank Shaft .....
10179	419	" " " Bracket (left) ..
10178	419	" " " " (right) ...
397F	423	" " " " Screw (large) .....

No.	Plate	Name
223E	423	Clamp Crank Shaft Bracket Screw (small) .....
10180	419	Clamp Crank Shaft Lever .....
10181	423	" " " " Pin .....
10182	419	" Guide Pin .....
10183	419	" " " Lifter .....
103D	423	" " " Hinge Screw .
10184	419	" " " " Spring .....
233D	423	" " " " " Screw ..
10157	421	" " " " Stop Pin ....
10185	419	" " " Post .....
10828	4787	" Plate .....
10187	423	" Thread Catch .....
240D	423	" " " Screw .....
10829	—	Clamp, 1¼ in., complete, Nos. 99E, 103D, 105D, 109D, 233D, 240D, 10158, 10159, 10170, 10171, 10174, 10176 to 10185, 10187, 10817 to 10823, 10826 to 10828, two each 176D, 223E, 247F, 397E, 402D, 10160, 10161, 10164, 10172, 10173, 10195 and five 10157
10830	4787	Clamp, 1½ in., complete, Nos. 99E, 103D, 105D, 109D, 233D, 240D, 10158, 10159, 10170, 10171, 10174, 10176 to 10185, 10187, 10817 to 10825, 10828, two each 176D, 223E, 247F, 397E, 402D, 10160, 10161, 10164, 10172, 10173, 10195 and five 10157 .....
18548	422	Cutting Block (brass), ½ in., for 10551 .....
18750	4791	Cutting Block (brass), ½ in., for 10632 .....
18751	4791	Cutting Block (brass), ⅝ in., for 10632 .....
10464	422	Cutting Block (brass), ¾ in., for 10547 .....
10465	422	Cutting Block (brass), ¾ in., for 10547 .....
10469	422	Cutting Block (brass), ¾ in., for 10551 .....
10466	422	Cutting Block (brass), ¾ in., for 10549 .....
10502	422	Cutting Block (brass), ¾ in., for 10551 .....
10467	422	Cutting Block (brass), 1 in., for 10549 .....
10470	422	Cutting Block (brass), 1 in., for 10551 .....
10471	422	Cutting Block (brass), 1½ in., for 10551 .....

No.	Plate	Name
10472	422	Cutting Block (brass), 1 $\frac{1}{4}$ in., for 10551 .....
10473	422	Cutting Block (brass), 1 $\frac{3}{8}$ in., for 10551 .....
10474	422	Cutting Block (brass), 1 $\frac{1}{2}$ in., for 10551 .....
10452	417	Cutting Block Arm .....
10453	422	" " " Ratchet Wheel .....
10454	422	" " " " " " .....
		Retaining Spring Latch .....
159F	423	Cutting Block Arm Ratchet Wheel Retaining Spring Latch Screw ..
304c	1797	Cutting Block Arm Screw Center (2) ..
1513E	423	" " " " " Nut (2) .....
10455	418	Cutting Block Arm Spring .....
444F	423	" " Set Screw (2) .....
10229	417	Driving and Stop Motion Balance Wheel with two 445c .....
445c	423	Driving and Stop Motion Balance Wheel Set Screw .....
10230	418	Driving and Stop Motion Connecting Rod .....
10232	—	Driving and Stop Motion Connecting Rod 10230 with 10231 .....
10231	420	Driving and Stop Motion Connecting Rod Head .....
38D	1797	Driving and Stop Motion Connecting Rod Head Hinge Screw .....
10233	420	Driving and Stop Motion Connecting Rod Link .....
57c	1797	Driving and Stop Motion Connecting Rod Link Hinge Screw .....
10235	417	Driving and Stop Motion Friction Pulley with 10236 .....
10236	420	Driving and Stop Motion Friction Pulley Center Bearing .....
10238	417	Driving and Stop Motion Friction Pulley Washer (paper) .....
10239	417	Driving and Stop Motion Lever with 10556 .....
124F	1797	Driving and Stop Motion Lever Adjusting Screw (2) .....
1518E	423	Driving and Stop Motion Lever Adjusting Screw Nut (2) .....
10240	417	Driving and Stop Motion Lever Bracket .....
355D	1797	Driving and Stop Motion Lever Bracket Screw (2) .....

No.	Plate	Name
9263	423	Driving and Stop Motion Lever Bracket Screw Washer (2) .....
10241	4793	Driving and Stop Motion Lever Friction Pad (leather) .....
401E	423	Driving and Stop Motion Lever Friction Pad Screw (4) .....
150D	1797	Driving and Stop Motion Lever Screw .....
10243	420	Driving and Stop Motion Lever Screw Washer .....
10242	420	Driving and Stop Motion Lever Spring .....
10556	4792	Driving and Stop Motion Lever Spring Pin .....
159D	423	Driving and Stop Motion Lever Spring Screw .....
6312	423	Driving and Stop Motion Lever Spring Screw Washer .....
10245	420	Driving and Stop Motion Ratchet Lever with 1823 and 10251 .....
196F	1797	Driving and Stop Motion Ratchet Lever Adjusting Screw .....
63D	1797	Driving and Stop Motion Ratchet Lever Hinge Screw .....
10247	420	Driving and Stop Motion Ratchet Lever Pawl with 10248 .....
100D	423	Driving and Stop Motion Ratchet Lever Pawl Hinge Screw .....
10248	423	Driving and Stop Motion Ratchet Lever Pawl Pin .....
10249	420	Driving and Stop Motion Ratchet Lever Pawl Spring .....
236F	423	Driving and Stop Motion Ratchet Lever Pawl Spring Screw .....
1823	423	Driving and Stop Motion Ratchet Lever Roller and Stud .....
5569	416	Driving and Stop Motion Ratchet Lever Spring .....
10257	423	Driving and Stop Motion Ratchet Lever Spring Hook .....
10582	418	Driving and Stop Motion Starting Lever .....
52c	1797	Driving and Stop Motion Starting Lever Hinge Screw .....
10254	420	Driving and Stop Motion Tripping Lever with two 10257 .....
10255	420	Driving and Stop Motion Tripping Lever Catch .....
106D	423	Driving and Stop Motion Tripping Lever Catch Hinge Screw .....

No.	Plate	Name
10223	423	Driving and Stop Motion Tripping Lever Catch Spring .....
233D	423	Driving and Stop Motion Tripping Lever Catch Spring Screw .....
77D	1797	Driving and Stop Motion Tripping Lever Hinge Screw .....
10256	420	Driving and Stop Motion Tripping Lever Spring .....
10257	423	Driving and Stop Motion Tripping Lever Spring Pin .....
18576	4793	Eye Stop, for 10632 .....
10893	4793	" " " 10547 and 10549 ....
1071c	4791	" " Adjusting Screw .....
1518E	423	" " " " Nut .....
10026	4787	Face Plate .....
176D	423	" " Screw (3) .....
10152	421	" " Thread Guide .....
10028	417	Feed Driving Bell Crank Lever with 1805 .....
2D	416	Feed Driving Bell Crank Lever Hinge Screw .....
1805	421	Feed Driving Bell Crank Lever Rol- ler and Stud .....
10261	4792	Feed Hand Ratchet Lever .....
10262	4792	" " " " Handle ..
52c	1797	" " " " Hinge Screw .....
18877	—	Feed Hand Ratchet Pawl with 18791
10034	421	" " " " Hinge Stud
5569	416	" " " " Spring ...
18791	4791	" " " " " Hook
10061	4792	" " " " " Pin, for Bed .....
18878	—	Feed Hand Ratchet complete, Nos. 10034, 10261, 10262 and 18877 ...
10298	—	Feed and Looper Cam with two 445c
445c	423	" " " " Set Screw ..
10041	416	" Regulator (long) .....
10558	416	" " (reverse) .....
10559	416	" " (short) .....
176D	423	" " Screw (2) .....
18894	—	" Shipper Lever with 1814, for buttonholes from $\frac{1}{2}$ to $1\frac{1}{4}$ in. long
10477	418	Feed Shipper Lever with 1814, for buttonholes $1\frac{3}{8}$ and $1\frac{1}{2}$ in. long ..
71D	1797	Feed Shipper Lever Hinge Screw ..
1814	421	" " " " Roller and Stud.
10917	—	" Wheel with 207c, 10081, 10504, 10505, 10895, two each 401E and 756E, for $\frac{1}{2}$ in. buttonhole .....

No.	Plate	Name
10918	—	Feed Wheel with 207c, 10082, 10506, 10507, 10895, two each 401E and 756E, for $\frac{1}{8}$ in. buttonhole .....
10919	—	Feed Wheel with 207c, 10083, 10508, 10509, 10895, two each 401E and 756E, for $\frac{3}{8}$ in. buttonhole .....
10920	—	Feed Wheel with 207c, 756E, 10084, 10510, 10511, 10895 and three 401E, for $\frac{1}{8}$ in. buttonhole .....
10921	—	Feed Wheel with 207c, 756E, 10085, 10512, 10513, 10895 and three 401E, for $\frac{3}{8}$ in. buttonhole .....
10922	—	Feed Wheel with 207c, 10086, 10514, 10515, 10895 and four 401E, for $\frac{3}{8}$ in. buttonhole .....
10923	—	Feed Wheel with 207c, 756E, 10087, 10516, 10517, 10895 and three 401E, for 1 in. buttonhole .....
18562	—	Feed Wheel with 207c, 10520, 10895, 18507, 18508, two each 401E and 756E, for $1\frac{1}{8}$ in. buttonhole .....
10925	—	Feed Wheel with 207c, 401E, 10518, 10519, 10521, 10895 and three 756E, for $1\frac{1}{8}$ in. buttonhole .....
10959	—	Feed Wheel with 207c, 401E, 10895, 10962, 10963, 10967 and three 756E, for $1\frac{1}{8}$ in. buttonhole .....
18572	—	Feed Wheel with 207c, 10523, 10895, 18750, 18751, two each 401E and 756E, for $1\frac{3}{8}$ in. buttonhole .....
10960	—	Feed Wheel with 207c, 10524, 10895, 10964, 10965 and four 401E, for $1\frac{1}{2}$ in. buttonhole .....
10059	416	Feed Wheel Brake Dog with 10060
5569	416	" " " " Spring ...
10035	421	" " " " " Hook
10060	421	" " " " " Stud .....
10504	420	" " Cam Groove Protector, $\frac{1}{2}$ in. (inside), for 10917 .....
10505	420	Feed Wheel Cam Groove Protector, $\frac{1}{2}$ in. (outside), for 10917 .....
10506	—	Feed Wheel Cam Groove Protector, $\frac{1}{8}$ in. (inside), for 10918 .....
10507	—	Feed Wheel Cam Groove Protector, $\frac{1}{8}$ in. (outside), for 10918 .....
10508	—	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (inside), for 10919 .....
10509	—	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (outside), for 10919 .....

No.	Plate	Name
19510	---	Feed Wheel Cam Groove Protector, 1/4 in. (inside), for 10920 .....
10511	---	Feed Wheel Cam Groove Protector, 1/4 in. (outside), for 10920 .....
10512	---	Feed Wheel Cam Groove Protector, 3/4 in. (inside), for 10921 .....
10513	---	Feed Wheel Cam Groove Protector, 3/4 in. (outside), for 10921 .....
10514	---	Feed Wheel Cam Groove Protector, 3/8 in. (inside), for 10922 .....
10515	---	Feed Wheel Cam Groove Protector, 3/8 in. (outside), for 10922 .....
10516	---	Feed Wheel Cam Groove Protector, 1 in. (inside), for 10923 .....
10517	---	Feed Wheel Cam Groove Protector, 1 in. (outside), for 10923 .....
18507	---	Feed Wheel Cam Groove Protector, 1 1/16 in. (inside), for 18562 .....
18508	---	Feed Wheel Cam Groove Protector, 1 1/16 in. (outside), for 18562 .....
10518	---	Feed Wheel Cam Groove Protector, 1 1/8 in. (inside), for 10925 .....
10519	---	Feed Wheel Cam Groove Protector, 1 1/8 in. (outside), for 10925 .....
10962	---	Feed Wheel Cam Groove Protector, 1 1/4 in. (inside), for 10959 .....
10963	---	Feed Wheel Cam Groove Protector, 1 1/4 in. (outside), for 10959 .....
18570	---	Feed Wheel Cam Groove Protector, 1 3/4 in. (inside), for 18572 .....
18571	---	Feed Wheel Cam Groove Protector, 1 3/4 in. (outside), for 18572 .....
10964	---	Feed Wheel Cam Groove Protector, 1 1/2 in. (inside), for 10960 .....
10965	---	Feed Wheel Cam Groove Protector, 1 1/2 in. (outside), for 10960 .....
401E	423	Feed Wheel Cam Groove Protector, Screw (long) .....
756E	4791	Feed Wheel Cam Groove Protector Screw (short) .....
18563	4787	Feed Wheel Driving Lever with 129E
129E	4791	" " " " Adjusting Screw .....
10063	416	Feed Wheel Driving Lever Block ..
357F	1797	" " " " " Ad- justing Screw .....
1520E	420	Feed Wheel Driving Lever Block Adjusting Screw Nut .....

No.	Plate	Name
8734	416	Feed Wheel Driving Lever Spring..
10061	4792	" " " " " Pin
429C	1797	" " " " " Support- ing Screw .....
1513E	423	Feed Wheel Driving Lever Support- ing Screw Nut .....
10296	416	Feed Wheel Friction Block .....
10030	416	" " " " " Spring..
430C	1797	" " " " " Ad- justing Screw .....
1520E	421	Feed Wheel Friction Block Spring Adjusting Screw Nut .....
10081	-----	Feed Wheel Latch, 1/2 in., for 10917
10082	416	" " " 3/8 in., for 10918
10083	---	" " " 5/8 in., for 10919
10084	---	" " " 1 1/8 in., for 10920
10085	---	" " " 3/4 in., for 10921
10086	---	" " " 7/8 in., for 10922
10087	---	" " " 1 in., for 10923
10520	---	" " " 1 1/16 in., for 18562
10521	---	" " " 1 1/8 in., for 10925
10967	---	" " " 1 1/4 in., for 10959
10523	---	" " " 1 3/8 in., for 18572
10524	---	" " " 1 1/2 in., for 10960
10895	4793	" " " Tripping Point .....
207F	4791	" " " " " Screw..
10526	---	Knife, 1/2 in. (large size eye) .....
10527	---	" 3/8 in. (large size eye) .....
10528	422	" 5/8 in. (large size eye) .....
10529	---	" 1 1/8 in. (large size eye) .....
10530	422	" 3/4 in. (large size eye) .....
10531	---	" 7/8 in. (large size eye) .....
10532	422	" 1 in. (large size eye) .....
10533	---	" 1 1/8 in. (large size eye) .....
10534	422	" 1 1/4 in. (large size eye) .....
10535	422	" 1 1/2 in. (large size eye) .....
10632	1784	" Holder with 209F and two 10556, for 10526 and 10527 .....
10547	1784	Knife Holder with 209F and two 10556, for 10528 to 10530 .....
10549	418	Knife Holder with 209F and two 10556, for 10531 and 10532 .....
10551	418	Knife Holder with 209F and two 10556, for 10533 to 10535 .....
10552	422	Knife Holder Adjusting Collar with 453C .....
453C	423	Knife Holder Adjusting Collar Set Screw .....

No.	Plate	Name
10553	432	Knife Holder Connecting Link ....
72D	423	" " " " Hinge Screw .....
10554	421	Knife Holder Connecting Link Pin
10555	418	" " Hinge Pin .....
450C	423	" " " " Set Screw (2) .....
10560	417	Knife Holder Lifting Rock Shaft ...
10561	418	" " " " " Con- necting Link .....
10562	421	Knife Holder Lifting Rock Shaft Connecting Link Pin (2) .....
293C	420	Knife Holder Lifting Rock Shaft Screw Center (2) .....
1501E	420	Knife Holder Lifting Rock Shaft Screw Center Nut (2) .....
10556	4792	Knife Position Pin .....
209F	423	" Set Screw .....
10118	421	Looper (long) .....
10119	421	" (short) .....
10121	421	" Carrier with 1824 .....
10122	418	" " Bracket .....
130D	1797	" " " Screw .....
10123	416	" " Crank .....
7958	4791	" " " Pin .....
209F	423	" " " Set Screw .....
10125	421	" " Needle Guard .....
233D	423	" " " " Screw ...
2077	4791	" " Pin .....
10127	4787	" " Pitman .....
378C	1797	" " " Hinge Screw (2).
1520E	421	" " " " " Nut (2) .....
1824	421	Looper Carrier Roller and Stud ...
10130	416	" " Shaft .....
10129	417	" Driving Bell Crank with 1807.
2D	416	" " " " Hinge Screw
1807	421	" " " " Roller and Stud .....
224F	423	Looper Screw .....
10088	4787	Needle Bar .....
10089	4787	Needle Bar complete, Nos. 10088, 10096, 10108 and 10110 .....
10091	416	Needle Bar Connecting Link with two 390c .....
390C	423	Needle Bar Connecting Link Adjust- ing Screw .....
29C	1797	Needle Bar Connecting Link Hinge Screw .....

No.	Plate	Name
7548	—	Needle Bar Connecting Stud .....
7448	416	" " " " 7548 with 155c .....
155C	4791	Needle Bar Connecting Stud Set Screw .....
10557	4787	Needle Bar Frame .....
10897	—	" " " Bell Crank with 1813 .....
1813	421	Needle Bar Frame Bell Crank Rol- ler and Stud .....
307C	1797	Needle Bar Frame Bell Crank Screw Center (2) .....
1513E	423	Needle Bar Frame Bell Crank Screw Center Nut (2) .....
10101	416	Needle Bar Frame Cam with two 445c .....
445C	423	Needle Bar Frame Cam Set Screw..
10103	4787	" " " Connecting Rod with 390c .....
390C	423	Needle Bar Frame Connecting Rod Adjusting Screw .....
10104	421	Needle Bar Frame Connecting Rod Ball .....
147C	1797	Needle Bar Frame Connecting Rod Ball Screw .....
37E	1797	Needle Bar Frame Regulating Screw Stud .....
1514C	423	Needle Bar Frame Regulating Screw Stud Nut .....
307C	1797	Needle Bar Frame Screw Center (lower) .....
306C	1797	Needle Bar Frame Screw Center (upper) .....
1513E	423	Needle Bar Frame Screw Center Nut (2) .....
18876	—	Needle Bar Packing Cord (2) .....
290E	1797	" " Screw Bushing (2) ...
10093	416	" " Thread Take-up with 10114 .....
10094	421	Needle Bar Thread Take-up Roller
10095	421	" " " " " " Cap .....
233D	423	Needle Bar Thread Take-up Roller Cap Screw .....
10114	421	Needle Bar Thread Take-up Roller Pin .....
209F	423	Needle Bar Thread Take-up Set Screw .....

No.	Plate	Name
10096	416	Needle Bar Thread Take-up complete, Nos. 209F, 233D and 10093 to 10095 .....
10105	421	Needle Clamp .....
10106	421	" " Disc .....
10107	421	" " " Spring .....
93H	423	" " " " Screw .....
10108	421	" " Gib .....
209F	423	" " Set Screw .....
10109	421	" " Thread Guide .....
665D	1797	" " " " Screw ..
10110	421	Needle Clamp complete, Nos. 93H, 209F, 665D, 10105, 10107, 10109 and two 10106 .....
10134	416	Spreader (left) with 99c and 10136 .....
664D	4791	" " Stop Screw .....
10132	416	" (right) with 99c and 10136 ..
240D	423	" " Stop Screw .....
99c	423	" Hinge Screw .....
10135	421	" Spring .....
10136	421	" " Hook .....
2102	416	Tension (under thread) Disc .....
1560c	421	" " " " Regulating Thumb Nut .....
50021D	—	Tension (under thread) Screw Stud .....
10148	421	" " " Spring .....
10145	421	" " " Thread Guide .....
10144	4787	" (upper thread) and Spool Bracket .....
10146	—	Tension (upper thread) and Spool Bracket complete, Nos. 415D, 488D, 1560c, 2103, 8039, 10111, 10112, 10144, 10145 and two 2102 .....
159D	423	Tension (upper thread) and Spool Bracket Screw (2) .....
2102	416	Tension (upper thread) Disc .....
1560c	421	" " " " Regulating Thumb Nut .....
2103	421	Tension (upper thread) Spring .....
415D	1797	" " " Stud .....
10145	421	" " " Thread Guide .....
10150	416	Thread (under) Cord Guide .....
333D	423	" " " " Screw ..
10147	4787	" " Spool Bracket .....
159D	423	" " " " Screw (2) .....
488D	419	" " " Spindle, 3½ in. long .....
487D	419	Thread (under) Spool Spindle, 4 in. long .....

No.	Plate	Name
10111	421	Thread (under) Spool Spindle Inside Cone (2) .....
10112	421	Thread (under) Spool Spindle Inside Cone Spring (2) .....
8064	—	Thread (under) Spool Spindle Outside Cone (2) .....
8039	416	Thread (under) Spool Spindle Outside Cone 8064 with 759F (2) ...
759F	423	Thread (under) Spool Spindle Outside Cone Thumb Screw .....
10149	416	Thread (under) Take-up Spring ...
10145	421	" " Thread Guide .....
10137	416	" (upper) Nipper Arm .....
77D	1797	" " " " Hinge Screw .....
1821	421	Thread (upper) Nipper Arm Roller and Stud .....
10139	418	Thread (upper) Nipper Cam with 435c .....
3012	421	Thread (upper) Nipper Cam Pin ..
435c	1797	" " " " Set Screw .....
8800	421	Thread (upper) Nipper Disc .....
1645E	1797	" " " " Regulating Thumb Nut .....
1547D	423	Thread (upper) Nipper Disc Regulating Thumb Nut Lock Nut ....
1153c	1797	Thread (upper) Nipper Disc Screw Stud .....
1547D	423	Thread (upper) Nipper Disc Screw Stud Nut .....
10140	416	Thread (upper) Nipper Lever .....
49F	1797	" " " " Screw .....
10141	421	" " " " Spring .....
10142	416	" " " Link .....
488D	419	" " Spool Spindle, 3½ in. long .....
10111	421	Thread (upper) Spool Spindle Inside Cone .....
10112	421	Thread (upper) Spool Spindle Inside Cone Spring .....
8064	—	Thread (upper) Spool Spindle Outside Cone .....
8039	416	Thread (upper) Spool Spindle Outside Cone 8064 with 759F .....
759F	423	Thread (upper) Spool Spindle Outside Cone Thumb Screw .....
10151	416	Thread (upper) Take-up Spring ....
236F	423	" " " " Screw .....



## LIST OF PARTS COMPLETE

FOR

## MACHINE No. 23-11

HAS CUTTING ATTACHMENT, STRAIGHT BARRING  
ATTACHMENT AND AUTOMATIC STOP

For Cloth

Makes Buttonholes  $\frac{1}{2}$  to  $1\frac{1}{2}$  inches long

No.	Plate	Name
*10890	---	Arm with 771D and 10008 .....
8582	421	" Dowel Pin (2) .....
118E	1797	" Screw (3) .....
10002	417	" Shaft (horizontal) .....
18820	1784	" " " Gear with 453c .....
2117	421	" " " " Pin .....
453c	423	" " " " Set Screw .....
144D	1797	" " " " Screw .....
10005	417	" " (upright) .....
18821	1784	" " " Gear with 453c ..
2117	421	" " " " Pin .....
453c	423	" " " " Set Screw ..
*10008	---	" Side Plate .....
771D	1797	" " " Thumb Screw .....
10217	418	Barring Lever .....
10218	420	" " Cap .....
176D	423	" " " Screw (2) .....
10219	420	" " Clutch .....
217F	423	" " " Adjusting Screw (2) .....
10220	420	Barring Lever Clutch Lever .....
100D	423	" " " " Hinge Screw .....
10222	420	Barring Lever Clutch Lever Yielding Connection with 10251 .....
91F	423	Barring Lever Clutch Lever Yielding Connection Guide Screw .....
106D	423	Barring Lever Clutch Lever Yielding Connection Hinge Screw .....
10223	423	Barring Lever Clutch Lever Yielding Connection Spring .....
10251	423	Barring Lever Clutch Lever Yielding Connection Spring Hook .....

No.	Plate	Name
233D	423	Barring Lever Clutch Lever Yielding Connection Spring Screw .....
*10581	---	Bed .....
18805	---	" Plate with 18620, 18621 and four 405E, for $\frac{1}{2}$ to 1 in. buttonholes ..
18806	---	Bed Plate 18805 with 18797, 18798 and four 231c .....
18758	---	Bed Plate complete, for $\frac{1}{2}$ to 1 in. buttonholes, Nos. 10024, 10306, 10637, 18806 and three 405E .....
13803	4789	Bed Plate with two 18619 and four 405E, for $1\frac{1}{8}$ to $1\frac{1}{2}$ in. buttonholes
18804	---	Bed Plate 18803 with 18797, 18798 and four 231c .....
18757	---	Bed Plate complete, for $1\frac{1}{8}$ to $1\frac{1}{2}$ in. buttonholes, Nos. 10024, 10306, 10637, 18804 and three 405E .....
10637	4792	Bed Plate Button .....
405E	423	" " " Screw .....
10306	418	" " " Slide .....
10307	418	" " " " Connection with 10136 .....
10309	421	Bed Plate Button Slide Connection Spring .....
10136	421	Bed Plate Button Slide Connection Spring Hook (2) .....
214D	1797	Bed Plate Button Slide Connection Stop Screw .....
10020	416	Bed Plate Clamp Guide Slide with 1827 .....
10021	416	Bed Plate Clamp Guide Slide Guide
399F	423	" " " " " " " Screw .....
1827	421	Bed Plate Clamp Guide Slide Roller and Stud .....
10023	416	Bed Plate Clamp Guide Slide Spring
10022	421	" " " " " " " Stop Stud .....
10024	416	Bed Plate Clamp Guide complete, Nos. 10020, 10022, 10023, two 10021 and four 399F .....
18797	4792	Bed Plate Clamp Stop (left) with 18752 .....
18798	4792	Bed Plate Clamp Stop (right) with 18752 .....
231C	1797	Bed Plate Clamp Stop Screw .....
18752	---	" " " " Stud .....
10461	421	" " Dowel Pin .....
18619	4793	" " Protector, for $1\frac{1}{8}$ to $1\frac{1}{2}$ in. buttonholes, for 18799 .....

No.	Plate	Name
405E	423	Bed Plate Protector Screw .....
389F	423	" " Screw (4) .....
10818	419	Clamp Arm (lower, left) .....
10817	419	" " (lower, right) .....
10820	419	" " (lower) Front Guide (left) .....
10819	419	Clamp Arm (lower) Front Guide (right) .....
10157	421	Clamp Arm (lower) Front Guide Dowel Pin .....
402D	423	Clamp Arm (lower) Front Guide Screw .....
10159	419	Clamp Arm (lower) Rear Guide (left) .....
10161	423	Clamp Arm (lower) Rear Guide (left) Rivet .....
10158	419	Clamp Arm (lower) Rear Guide (right) .....
10160	421	Clamp Arm (lower) Rear Guide (right) Rivet .....
10823	419	Clamp Arm (upper, left) with 10165
10822	419	" " (upper, right) with 10165
10164	419	" " (upper) Adjusting Slide
247F	423	" " " " " "
		Screw .....
10165	421	Clamp Arm (upper) Adjusting Slide Steady Pin .....
10170	419	Clamp Arm (upper) Connecting Yoke
10171	419	" " " " " "
		Link with two 220D .....
220D	423	Clamp Arm (upper) Connecting Yoke Link Screw .....
10172	419	Clamp Arm (upper) Hinge .....
10173	423	" " " " Pin .....
176D	423	" " " " Screw .....
10195	4792	" " " " Spring .....
10174	419	" " " " Spreader .....
10821	418	" " " " Lever .....
99C	423	" " " " Hinge Screw
10176	419	" " " " Link .....
105D	423	" " " " Hinge Screw
109D	423	" " " " Screw .....
10825	419	" Check (left), 1½ inch .....
10824	419	" " (right), 1½ inch .....
10157	421	" " Hinge Pin .....
10177	419	" Crank Shaft .....
10179	419	" " " Bracket (left) ...
10178	419	" " " " (right) ...
397E	423	" " " " Screw (large) .....

No.	Plate	Name
223E	423	Clamp Crank Shaft Bracket Screw (small) .....
10180	419	Clamp Crank Shaft Lever .....
10181	423	" " " " Pin .....
10182	419	" " " " Guide Pin .....
10183	419	" " " " Lifter .....
103D	423	" " " " Hinge Screw.
10184	419	" " " " Spring .....
233D	423	" " " " " Screw..
10157	421	" " " " Stop Pin ....
10185	419	" " " " Post .....
10828	4787	" Plate .....
10187	423	" Thread Catch .....
240D	423	" " " " Screw .....
10829	---	Clamp, 1¼ in., complete, Nos. 99E, 103D, 105D, 109D, 233D, 240D, 10158, 10159, 10170, 10171, 10174, 10176 to 10185, 10187, 10817 to 10823, 10826 to 10828, two each 176D, 223E, 247F, 397E, 402D, 10160, 10161, 10164, 10172, 10173, 10195 and five 10157
10830	4787	Clamp, 1½ in., complete, Nos. 99E, 103D, 105D, 109D, 233D, 240D, 10158, 10159, 10170, 10171, 10174, 10176 to 10185, 10187, 10817 to 10825, 10828, two each 176D, 223E, 247F, 397E, 402D, 10160, 10161, 10164, 10172, 10173, 10195 and five 10157
18750	4791	Cutting Block (brass), ½ in., for 10632 .....
18751	4791	Cutting Block (brass), ⅜ in., for 10632 .....
10464	422	Cutting Block (brass), ⅝ in., for 10547 .....
10465	422	Cutting Block (brass), ¾ in., for 10547 .....
10466	422	Cutting Block (brass), ⅞ in., for 10549 .....
10467	422	Cutting Block (brass), 1 in., for 10549 .....
10471	422	Cutting Block (brass), 1¼ in., for 10551 .....
10472	422	Cutting Block (brass), 1½ in., for 10551 .....
10473	422	Cutting Block (brass), 1¾ in., for 10551 .....
10474	422	Cutting Block (brass), 1⅞ in., for 10551 .....

No.	Plate	Name
10452	417	Cutting Block Arm .....
10453	422	" " " Ratchet Wheel..
10454	422	" " " " " Re- taining Spring Latch .....
159D	423	Cutting Block Arm Ratchet Wheel Retaining Spring Latch Screw ..
304C	1797	Cutting Block Arm Screw Center (2)
1513E	423	" " " " " Nut (2) .....
10455	418	Cutting Block Arm Spring .....
444F	423	" " Set Screw .....
10229	417	Driving and Stop Motion Balance Wheel with two 445c .....
445C	423	Driving and Stop Motion Balance Wheel Set Screw .....
10230	418	Driving and Stop Motion Connecting Rod .....
10232	—	Driving and Stop Motion Connecting Rod 10230 with 10231 .....
10231	420	Driving and Stop Motion Connecting Rod Head .....
38D	1797	Driving and Stop Motion Connecting Rod Head Hinge Screw .....
10233	420	Driving and Stop Motion Connecting Rod Link .....
57C	1797	Driving and Stop Motion Connecting Rod Link Hinge Screw .....
10235	417	Driving and Stop Motion Friction Pulley with 10236 .....
10236	420	Driving and Stop Motion Friction Pulley Center Bearing .....
10238	417	Driving and Stop Motion Friction Pulley Washer (paper) .....
10239	417	Driving and Stop Motion Lever with 10556 .....
124F	1797	Driving and Stop Motion Lever Ad- justing Screw (2) .....
1518E	423	Driving and Stop Motion Lever Ad- justing Screw Nut (2) .....
10240	417	Driving and Stop Motion Lever Bracket .....
355D	1797	Driving and Stop Motion Lever Bracket Screw (2) .....
9263	423	Driving and Stop Motion Lever Bracket Screw Washer (2) .....
10241	4793	Driving and Stop Motion Lever Friction Pad (leather) .....
401E	423	Driving and Stop Motion Lever Friction Pad Screw (4) .....

No.	Plate	Name
150D	1797	Driving and Stop Motion Lever Screw .....
10243	420	Driving and Stop Motion Lever Screw Washer .....
10242	420	Driving and Stop Motion Lever Spring .....
10556	4792	Driving and Stop Motion Lever Spring Pin .....
159D	423	Driving and Stop Motion Lever Spring Screw .....
6312	423	Driving and Stop Motion Lever Spring Screw Washer .....
10245	420	Driving and Stop Motion Ratchet Lever with 1823 and 10251 .....
196F	1797	Driving and Stop Motion Ratchet Lever Adjusting Screw .....
63D	1797	Driving and Stop Motion Ratchet Lever Hinge Screw .....
10247	420	Driving and Stop Motion Ratchet Lever Pawl with 10248 .....
100D	423	Driving and Stop Motion Ratchet Lever Pawl Hinge Screw .....
10248	423	Driving and Stop Motion Ratchet Lever Pawl Pin .....
10249	420	Driving and Stop Motion Ratchet Lever Pawl Spring .....
236F	423	Driving and Stop Motion Ratchet Lever Pawl Spring Screw .....
1823	423	Driving and Stop Motion Ratchet Lever Roller and Stud .....
5569	416	Driving and Stop Motion Ratchet Lever Spring .....
10257	423	Driving and Stop Motion Ratchet Lever Spring Hook .....
10582	418	Driving and Stop Motion Starting Lever .....
52C	1797	Driving and Stop Motion Starting Lever Hinge Screw .....
10254	420	Driving and Stop Motion Tripping Lever with two 10257 .....
10255	420	Driving and Stop Motion Tripping Lever Catch .....
106D	423	Driving and Stop Motion Tripping Lever Catch Hinge Screw .....
10223	423	Driving and Stop Motion Tripping Lever Catch Spring .....
233D	423	Driving and Stop Motion Tripping Lever Catch Spring Screw .....
77D	1797	Driving and Stop Motion Tripping Lever Hinge Screw .....

No.	Plate	Name
10256	420	Driving and Stop Motion Tripping Lever Spring .....
10257	423	Driving and Stop Motion Tripping Lever Spring Pin .....
18576	4793	Eye Stop, for 10632 .....
10893	4793	" " " 10547 and 10549 .....
1071c	4791	" " Adjusting Screw .....
1518E	423	" " " " Nut .....
10026	4787	Face Plate .....
176D	423	" " Screw (3) .....
10152	421	" " Thread Guide .....
10028	417	Feed Driving Bell Crank Lever with 1805 .....
2D	416	Feed Driving Bell Crank Lever Hinge Screw .....
1805	421	Feed Driving Bell Crank Lever Rol- ler and Stud .....
10261	4792	Feed Hand Ratchet Lever .....
10262	4792	" " " " Handle..
52c	1797	" " " " Hinge Screw .....
18877	—	Feed Hand Ratchet Pawl with 18791
10034	421	" " " " Hinge Stud
5569	416	" " " " Spring ....
18791	4791	" " " " " Hook
10061	4792	" " " " " Pin, for Bed .....
18878	—	Feed Hand Ratchet complete, Nos. 10034, 10261, 10262 and 18877 ...
10370	417	Feed and Looper Cam with two 445c
445c	423	" " " " Set Screw ..
10041	416	" Regulator (long) .....
10558	416	" " (reverse) .....
10559	416	" " (short) .....
176D	423	" " Screw (2) .....
18894	—	" Shipper Lever with 1814, for buttonholes from $\frac{1}{2}$ to $1\frac{1}{4}$ in. long
10477	418	Feed Shipper Lever with 1814, for buttonholes $1\frac{3}{8}$ and $1\frac{1}{2}$ in. long ..
71D	1797	Feed Shipper Lever Hinge Screw..
1814	421	" " " Roller and Stud
10929	—	" Wheel with 207c, 10082, 10686, 10687, 10895, two each 401E and 756E, for $\frac{1}{2}$ in. buttonhole .....
10930	—	Feed Wheel with 207c, 10365, 10688, 10689, 10895, two each 401E and 756E, for $\frac{3}{8}$ in. buttonhole .....
10931	—	Feed Wheel with 207c, 756E, 10366, 10690, 10691, 10895 and three 401E, for $\frac{5}{8}$ in. buttonhole .....

No.	Plate	Name
10932	—	Feed Wheel with 207c, 756E, 10408, 10692, 10693, 10895 and three 401E, for $\frac{1}{2}$ in. buttonhole .....
10933	—	Feed Wheel with 207c, 756E, 10085, 10694, 10695, 10895 and three 401E, for $\frac{3}{4}$ in. buttonhole .....
10934	417	Feed Wheel with 207c, 756E, 10367, 10696, 10697, 10895 and three 401E, for $\frac{3}{8}$ in. buttonhole .....
10935	—	Feed Wheel with 207c, 756E, 10368, 10698, 10699, 10895 and three 401E, for 1 in. buttonhole .....
10975	—	Feed Wheel with 207c, 756E, 10705, 10895, 10977, 10978 and three 401E, for $1\frac{1}{8}$ in. buttonhole .....
10937	—	Feed Wheel with 207c, 401E, 10700, 10701, 10706, 10895 and three 756E, for $1\frac{1}{2}$ in. buttonhole .....
10938	—	Feed Wheel with 207c, 10702, 10703, 10707, 10895 and four 756E, for $1\frac{1}{4}$ in. buttonhole .....
18573	—	Feed Wheel with 207c, 10708, 10895, 18574, 18575, two each 401E and 756E, for $1\frac{3}{8}$ in. buttonhole .....
10940	—	Feed Wheel with 207c, 10709, 10895, 14105, 18895, 18896 and three 401E, for $1\frac{1}{2}$ in. buttonhole .....
10059	416	Feed Wheel Brake Dog with 10060.
5569	416	" " " " Spring ....
10035	421	" " " " " Hook
10060	421	" " " " Stud .....
10686	—	" " Cam Groove Protector, $\frac{1}{2}$ in. (inside), for 10929 .....
10687	—	Feed Wheel Cam Groove Protector, $\frac{1}{2}$ in. (outside), for 10929 .....
10688	—	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (inside), for 10930 .....
10689	—	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (outside), for 10930 .....
10690	—	Feed Wheel Cam Groove Protector, $\frac{5}{8}$ in. (inside), for 10931 .....
10691	—	Feed Wheel Cam Groove Protector, $\frac{5}{8}$ in. (outside), for 10931 .....
10692	—	Feed Wheel Cam Groove Protector, $\frac{1}{2}$ in. (inside), for 10932 .....
10693	—	Feed Wheel Cam Groove Protector, $\frac{1}{2}$ in. (outside), for 10932 .....
10694	—	Feed Wheel Cam Groove Protector, $\frac{3}{4}$ in. (inside), for 10933 .....

No.	Plate	Name
10695	—	Feed Wheel Cam Groove Protector, $\frac{3}{4}$ in. (outside), for 10933 .....
10696	—	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (inside), for 10934 .....
10697	—	Feed Wheel Cam Groove Protector, $\frac{7}{8}$ in. (outside), for 10934 .....
10698	—	Feed Wheel Cam Groove Protector, 1 in. (inside), for 10935 .....
10699	—	Feed Wheel Cam Groove Protector, 1 in. (outside), for 10935 .....
10977	—	Feed Wheel Cam Groove Protector, $1\frac{1}{16}$ in. (inside), for 10975 .....
10978	—	Feed Wheel Cam Groove Protector, $1\frac{1}{16}$ in. (outside), for 10975 .....
10700	—	Feed Wheel Cam Groove Protector, $1\frac{1}{8}$ in. (inside), for 10937 .....
10701	—	Feed Wheel Cam Groove Protector, $1\frac{1}{8}$ in. (outside), for 10937 .....
10702	—	Feed Wheel Cam Groove Protector, $1\frac{1}{4}$ in. (inside), for 10938 .....
10703	—	Feed Wheel Cam Groove Protector, $1\frac{1}{4}$ in. (outside), for 10938 .....
18574	—	Feed Wheel Cam Groove Protector, $1\frac{3}{8}$ in. (inside), for 18573 .....
18575	—	Feed Wheel Cam Groove Protector, $1\frac{3}{8}$ in. (outside), for 18573 .....
401E	423	Feed Wheel Cam Groove Protector Screw (long) .....
756E	4791	Feed Wheel Cam Groove Protector Screw (short) .....
18563	4787	Feed Wheel Driving Lever with 129E
129E	4791	“ “ “ “ Adjusting Screw .....
10063	416	Feed Wheel Driving Lever Block
357E	1797	“ “ “ “ Adjusting Screw .....
1520E	421	Feed Wheel Driving Lever Block Adjusting Screw Nut .....
8734	416	Feed Wheel Driving Lever Spring
10061	4792	“ “ “ “ Pin .....
429C	1797	Feed Wheel Driving Lever Supporting Screw .....
1513E	423	Feed Wheel Driving Lever Supporting Screw Nut .....
10296	416	Feed Wheel Friction Block .....
10030	416	“ “ “ “ Spring..
430C	1797	“ “ “ “ Adjusting Screw .....

No.	Plate	Name
1520E	421	Feed Wheel Friction Block Spring Adjusting Screw Nut .....
10082	—	Feed Wheel Latch, $\frac{1}{8}$ in., for 10929
10365	—	“ “ “ “ $\frac{1}{8}$ in., for 10930
10366	—	“ “ “ “ $\frac{5}{8}$ in., for 10931
10408	—	“ “ “ “ $1\frac{1}{8}$ in., for 10932
10085	—	“ “ “ “ $\frac{3}{4}$ in., for 10933
10367	—	“ “ “ “ $\frac{7}{8}$ in., for 10934
10368	—	“ “ “ “ 1 in., for 10935
10705	—	“ “ “ “ $1\frac{1}{10}$ in., for 10975
10706	—	“ “ “ “ $1\frac{1}{8}$ in., for 10937
10707	—	“ “ “ “ $1\frac{1}{4}$ in., for 10938
10708	—	“ “ “ “ $1\frac{3}{8}$ in., for 18573
10709	—	“ “ “ “ $1\frac{1}{2}$ in., for 10940
10895	4793	“ “ Tripping Point .....
207C	4791	“ “ “ “ Screw ..
10526	—	Knife, $\frac{1}{2}$ in. (large size eye) .....
10527	422	“ $\frac{9}{16}$ in. (large size eye) .....
10528	422	“ $\frac{5}{8}$ in. (large size eye) .....
10529	—	“ $1\frac{1}{8}$ in. (large size eye) .....
10530	422	“ $\frac{3}{4}$ in. (large size eye) .....
10531	—	“ $\frac{7}{8}$ in. (large size eye) .....
10532	422	“ 1 in. (large size eye) .....
10533	—	“ $1\frac{1}{8}$ in. (large size eye) .....
10534	422	“ $1\frac{1}{4}$ in. (large size eye) .....
10535	422	“ $1\frac{1}{2}$ in. (large size eye) .....
10632	1784	“ Holder with 209F and two 10556, for 10526 and 10527 .....
10547	1784	Knife Holder with 209F and two 10556, for 10528 to 10530 .....
10549	418	Knife Holder with 209F and two 10556, for 10531 and 10532 .....
10551	418	Knife Holder with 209F and two 10556, for 10533 to 10535 .....
10552	422	Knife Holder Adjusting Collar with 453C .....
453C	422	Knife Holder Adjusting Collar Set Screw .....
10553	422	Knife Holder Connecting Link .....
72D	423	“ “ “ “ Hinge Screw .....
10554	421	Knife Holder Connecting Link Pin..
10555	418	“ “ Hinge Pin .....
450C	423	“ “ “ “ Set Screw (2) .....
10560	417	Knife Holder Lifting Rock Shaft ...
10561	418	“ “ “ “ “ Connecting Link .....
10562	421	Knife Holder Lifting Rock Shaft Connecting Link Pin (2) .....

No.	Plate	Name
293C	420	Knife Holder Lifting Rock Shaft Screw Center (2) .....
1501E	420	Knife Holder Lifting Rock Shaft Screw Center Nut (2) .....
10556	4792	Knife Position Pin .....
209F	423	" Set Screw .....
10371	423	Looper (long) .....
10372	423	" (short) .....
10373	420	" Carrier .....
10122	418	" " Bracket .....
7958	4791	" " " Dowel Pin .....
130D	1797	" " " Screw .....
10123	416	" " Crank .....
7958	4791	" " " Pin .....
209F	423	" " " Set Screw .....
10374	423	" " Needle Guard .....
233D	423	" " " " Screw .....
2077	4791	" " Pin .....
10127	4787	" " Pitman .....
378C	1797	" " " Hinge Screw (2).
1520E	421	" " " " " Nut (2) .....
10130	416	Looper Carrier Shaft .....
10129	417	" Driving Bell Crank with 1807
2D	416	" " " " Hinge Screw
1807	421	" " " " Roller and Stud .....
224F	423	Looper Screw .....
10088	4787	Needle Bar .....
10089	4787	Needle Bar complete, Nos. 10088, 10096, 10108 and 10110 .....
10091	416	Needle Bar Connecting Link with two 390c .....
390c	423	Needle Bar Connecting Link Adjust- ing Screw .....
29c	1797	Needle Bar Connecting Link Hinge Screw .....
7548	—	Needle Bar Connecting Stud .....
7448	416	" " " " 7548 with 155c .....
155c	4791	Needle Bar Connecting Stud Set Screw .....
10557	4787	Needle Bar Frame .....
10897	—	" " " Bell Crank with 1813 .....
1813	421	Needle Bar Frame Bell Crank Roller and Stud .....
307c	1797	Needle Bar Frame Bell Crank Screw Center (2) .....

No.	Plate	Name
1513E	423	Needle Bar Frame Bell Crank Screw Center Nut (2) .....
10101	416	Needle Bar Frame Cam with two 445c .....
445c	423	Needle Bar Frame Cam Set Screw
10103	4787	" " " Connecting Rod with 390c .....
390c	423	Needle Bar Frame Connecting Rod Adjusting Screw .....
10104	421	Needle Bar Frame Connecting Rod Ball .....
147c	1797	Needle Bar Frame Connecting Rod Ball Screw .....
37E	1797	Needle Bar Frame Regulating Screw Stud .....
1514c	423	Needle Bar Frame Regulating Screw Stud Nut .....
307c	1797	Needle Bar Frame Screw Center (lower) .....
306c	1797	Needle Bar Frame Screw Center (upper) .....
1513E	423	Needle Bar Frame Screw Center Nut (2) .....
18876	—	Needle Bar Packing Cord (2) .....
290E	1797	" " Screw Bushing .....
10093	416	" " Thread Take-up with 10114 .....
10094	421	Needle Bar Thread Take-up Roller
10095	421	" " " " " "
233D	423	Cap .....
233D	423	Needle Bar Thread Take-up Roller Cap Screw .....
10114	421	Needle Bar Thread Take-up Roller Pin .....
209F	423	Needle Bar Thread Take-up Set Screw .....
10096	416	Needle Bar Thread Take-up com- plete, Nos. 209F, 233D and 10093 to 10095 .....
10105	421	Needle Clamp .....
10106	421	" " Disc .....
10107	421	" " " Spring .....
93H	423	" " " " Screw .....
10108	421	" " Gib .....
209F	423	" " Set Screw .....
10109	421	" " Thread Guide .....
665D	1797	" " " " Screw ..
10110	421	Needle Clamp complete, Nos. 93H, 209F, 665D, 10105, 10107, 10109 and two 10106 .....

No.	Plate	Name
10378	423	Spreader (left) with 110c .....
10376	423	" (right) with 110c .....
10382	423	" Cam (left) .....
10381	423	" " (right) .....
10383	423	" " Adjusting Slide (2) ...
185H	1797	" " " " Screw (2)
228D	423	" " Screw (2) .....
110C	423	" Hinge Screw .....
10223	423	" Spring (2) .....
10136	421	" " Hook .....
229D	423	" " Screw (2) .....
2102	416	Tension (under thread) Disc (2) ..
1560C	421	" " " " Regulating Thumb Nut .....
50021D	---	Tension (under thread) Screw Stud
10148	421	" " " Spring .....
10145	421	" " " Thread Guide
10144	421	" (upper thread) and Spool Bracket .....
10146	---	Tension (upper thread) and Spool Bracket complete, Nos. 415D, 488D, 1560C, 2103, 8039, 10111, 10112, 10144, 10145 and two 2102 .....
159D	423	Tension (upper thread) and Spool Bracket Screw (2) .....
2102	416	Tension (upper thread) Disc .....
1560C	421	" " " " Regulating Thumb Nut .....
2103	421	Tension (upper thread) Spring ....
415D	1797	" " " Stud .....
10145	421	" " " Thread Guide
10150	416	Thread (under) Cord Guide .....
333D	423	" " " " Screw ..
10147	4787	" " Spool Bracket .....
159D	423	" " " " Screw (2)
488D	419	" " " Spindle, 3½ in. long .....
487D	419	Thread (under) Spool Spindle, 4 in. long .....
10111	421	Thread (under) Spool Spindle Inside Cone (2) .....
10112	421	Thread (under) Spool Spindle Inside Cone Spring (2) .....
8064	---	Thread (under) Spool Spindle Out- side Cone .....
8039	416	Thread (under) Spool Spindle Out- side Cone 8064 with 759F (2) ...
759F	423	Thread (under) Spool Spindle Out- side Cone Thumb Screw .....

No.	Plate	Name
10149	416	Thread (under) Take-up Spring ...
10145	421	" " Thread Guide .....
10137	416	" (upper) Nipper Arm .....
77D	1797	" " " " Hinge Screw .....
1821	421	Thread (upper) Nipper Arm Roller and Stud .....
10139	418	Thread (upper) Nipper Cam with 435c .....
3012	421	Thread (upper) Nipper Cam Pin ..
435C	1797	" " " " Set Screw .....
8800	421	Thread (upper) Nipper Disc (2) ...
1645E	1797	" " " " Regu- lating Thumb Nut .....
1547D	423	Thread (upper) Nipper Disc Regu- lating Thumb Nut Lock Nut ....
1153C	1797	Thread (upper) Nipper Disc Screw Stud .....
1547D	423	Thread (upper) Nipper Disc Screw Stud Nut .....
10140	416	Thread (upper) Nipper Lever .....
49F	1797	" " " " Screw
10141	421	" " " " Spring
10142	416	" " " Link .....
488D	419	" " Spool Spindle, 3½ in. long .....
10111	421	Thread (upper) Spool Spindle Inside Cone .....
10112	421	Thread (upper) Spool Spindle Inside Cone Spring .....
8064	---	Thread (upper) Spool Spindle Out- side Cone .....
8039	416	Thread (upper) Spool Spindle Out- side Cone 8064 with 759F .....
759F	423	Thread (upper) Spool Spindle Out- side Cone Thumb Screw .....
10151	416	Thread (upper) Take-up Spring ...
236F	423	" " " " Screw

## LIST OF PARTS COMPLETE

FOR

## MACHINE No. 23-12

HAS CUTTING ATTACHMENT, TAPER BAR  
ATTACHMENT UP TO  $1\frac{3}{8}$  INCH AND  
AUTOMATIC STOP

For Cloth

Makes Buttonholes  $\frac{1}{2}$  to  $1\frac{3}{8}$  inches long

No.	Plate	Name
*10890	—	Arm with 771D and 10008 .....
8582	421	" Dowel Pin (2) .....
118E	1797	" Screw (3) .....
10002	417	" Shaft (horizontal) .....
18820	1784	" " " Gear with 453c .....
2117	421	" " " " Pin .....
453C	423	" " " " Set Screw .....
144D	1797	" " " " Screw .....
10005	417	" " (upright) .....
18821	1784	" " " Gear with 453c ..
2117	421	" " " " Pin .....
453C	423	" " " " Set Screw ..
*10008	—	" Side Plate .....
771D	1797	" " " Thumb Screw .....
10217	418	Barring Lever .....
10218	420	" " Cap .....
176D	423	" " " Screw (2) .....
10219	420	" " Clutch .....
217F	423	" " " Adjusting Screw (2) .....
10220	420	Barring Lever Clutch Lever .....
100D	423	" " " " Hinge Screw .....
10222	420	Barring Lever Clutch Lever Yielding Connection with 10251 .....
91F	423	Barring Lever Clutch Lever Yielding Connection Guide Screw .....
106D	423	Barring Lever Clutch Lever Yielding Connection Hinge Screw .....
10223	423	Barring Lever Clutch Lever Yielding Connection Spring .....

No.	Plate	Name
10251	423	Barring Lever Clutch Lever Yielding Connection Spring Hook .....
233D	423	Barring Lever Clutch Lever Yielding Connection Spring Screw .....
*10581	—	Bed .....
18801	—	" Plate with 18620, 18621 and four 405E, for $\frac{1}{2}$ to 1 in. buttonholes ..
18802	—	Bed Plate 18801 with 18797, 18798 and four 231c .....
18760	—	Bed Plate complete, for $\frac{1}{2}$ to 1 in. buttonholes, Nos. 10024, 10575, 18802 and three 405E .....
18799	4789	Bed Plate with two 18619 and four 405E, for $1\frac{1}{8}$ to $1\frac{1}{2}$ in. buttonholes
18800	—	Bed Plate 18799 with 18797, 18798 and four 231c .....
18759	—	Bed Plate complete, for $1\frac{1}{8}$ to $1\frac{1}{2}$ in. buttonholes, Nos. 10024, 10575, 18800 and three 405E .....
10575	—	Bed Plate Button .....
405E	423	" " " Screw .....
10020	416	" " " Clamp Guide Slide with 1827 .....
10021	416	Bed Plate Clamp Guide Slide Guide
399F	423	" " " " " " " Screw .....
1827	421	Bed Plate Clamp Guide Slide Roller and Stud .....
10023	416	Bed Plate Clamp Guide Slide Spring
10022	421	" " " " " " " Stop Stud .....
10024	416	Bed Plate Clamp Guide complete, Nos. 10020, 10022, 10023, two 10021 and four 399F .....
18797	4792	Bed Plate Clamp Stop (left) with 18752 .....
18798	4792	Bed Plate Clamp Stop (right) with 18752 .....
231C	1797	Bed Plate Clamp Stop Screw .....
18752	—	" " " " Stud .....
10461	421	" " Dowel Pin (2) .....
18620	4793	" " Protector (left), for $\frac{1}{2}$ to 1 in. buttonholes .....
18621	4793	Bed Plate Protector (right), for $\frac{1}{2}$ to 1 in. buttonholes .....
18619	4793	Bed Plate Protector, for $1\frac{1}{8}$ to $1\frac{1}{2}$ in. buttonholes .....
405E	423	Bed Plate Protector Screw .....
389F	423	" " " Screw (4) .....



No.	Plate	Name
10818	419	Clamp Arm (lower, left) .....
10817	419	" " (lower, right) .....
10820	419	" " (lower) Front Guide (left) .....
10819	419	Clamp Arm (lower) Front Guide (right) .....
10157	421	Clamp Arm (lower) Front Guide Dowel Pin .....
402D	423	Clamp Arm (lower) Front Guide Screw .....
10159	419	Clamp Arm (lower) Rear Guide (left) .....
10161	423	Clamp Arm (lower) Rear Guide (left) Rivet .....
10158	419	Clamp Arm (lower) Rear Guide (right) .....
10160	421	Clamp Arm (lower) Rear Guide (right) Rivet .....
10823	419	Clamp Arm (upper, left) with 10165
10822	419	" " (upper, right) with 10165
10164	419	" " (upper) Adjusting Slide
247F	423	" " " " " " Screw .....
10165	421	Clamp Arm (upper) Adjusting Slide Steady Pin .....
10170	419	Clamp Arm (upper) Connecting Yoke
10171	419	" " " " " " Link with two 220D .....
220D	423	Clamp Arm (upper) Connecting Yoke Link Screw .....
10172	419	Clamp Arm (upper) Hinge .....
10173	423	" " " " Pin .....
176D	423	" " " " Screw .....
10195	4792	" " " " Spring .....
10174	419	" " " " Spreader .....
10821	418	" " " " Lever .....
99E	423	" " " " Hinge Screw
10176	419	" " " " Link .....
105D	423	" " " " " " Hinge Screw .....
109D	423	Clamp Arm Spreader Screw .....
10825	419	" Check (left), 1½ inch .....
10824	419	" " (right), 1½ inch .....
10157	421	" " Hinge Pin .....
10177	419	" Crank Shaft .....
10179	419	" " " " Bracket (left) ..
10178	419	" " " " " " (right) ...
397E	423	" " " " " " Screw (large) .....

No.	Plate	Name
223E	423	Clamp Crank Shaft Bracket Screw (small) .....
10180	419	Clamp Crank Shaft Lever .....
10181	423	" " " " Pin .....
10182	419	" Guide Pin .....
10183	419	" " " " Lifter .....
103D	423	" " " " Hinge Screw.
10184	419	" " " " Spring .....
233D	423	" " " " " " Screw..
10157	421	" " " " Stop Pin ....
10185	419	" " " " Post .....
10573	4790	" Plate .....
10202	---	Clamp Plate Deflecting Piece, ½ in. (left) .....
10201	---	Clamp Plate Deflecting Piece, ½ in. (right) .....
10204	---	Clamp Plate Deflecting Piece, ⅝ in. (left) .....
10203	---	Clamp Plate Deflecting Piece, ⅝ in. (right) .....
10206	4790	Clamp Plate Deflecting Piece, ⅝ in. (left) .....
10205	4790	Clamp Plate Deflecting Piece, ⅝ in. (right) .....
10386	---	Clamp Plate Deflecting Piece, ⅞ in. (left) .....
10385	---	Clamp Plate Deflecting Piece, ⅞ in. (right) .....
10208	---	Clamp Plate Deflecting Piece, ¾ in. (left) .....
10207	---	Clamp Plate Deflecting Piece, ¾ in. (right) .....
10210	---	Clamp Plate Deflecting Piece, ¾ in. (left) .....
10209	---	Clamp Plate Deflecting Piece, ¾ in. (right) .....
10212	---	Clamp Plate Deflecting Piece, 1 in. (left) .....
10211	---	Clamp Plate Deflecting Piece, 1 in. (right) .....
10946	---	Clamp Plate Deflecting Piece, 1⅛ in. (left) .....
10945	---	Clamp Plate Deflecting Piece, 1⅛ in. (right) .....
10214	---	Clamp Plate Deflecting Piece, 1⅛ in. (left) .....
10213	---	Clamp Plate Deflecting Piece, 1⅛ in. (right) .....
10388	---	Clamp Plate Deflecting Piece, 1¼ in. (left) .....

No.	Plate	Name
10387	—	Clamp Plate Deflecting Piece, 1¼ in. (right) .....
10390	—	Clamp Plate Deflecting Piece, 1¾ in. (left) .....
10389	—	Clamp Plate Deflecting Piece, 1¾ in. (right) .....
757E	4791	Clamp Plate Deflecting Piece Screw
10187	423	" Thread Catch .....
240D	423	" " " Screw .....
10577	—	Clamp, 1¼ in., complete, Nos. 99E, 103D, 105D, 109D, 233D, 240D, 10158, 10159, 10170, 10171, 10174, 10176 to 10185, 10187, 10573, 10817 to 10823, 10826, 10827, two each 176D, 223E, 247F, 397E, 402D, 10160, 10161, 10164, 10172, 10173, 10195 and five 10157 .....
10578	—	Clamp, 1½ in., complete, Nos. 99E, 103D, 105D, 109D, 233D, 240D, 10158, 10159, 10170, 10171, 10174, 10176 to 10185, 10187, 10573, 10817 to 10825, two each 176D, 223E, 247F, 397E, 402D, 10160, 10161, 10164, 10172, 10173, 10195 and five 10157 .....
18750	4791	Cutting Block (brass), ½ in., for 10632 .....
18751	4791	Cutting Block (brass), ⅝ in., for 10632 .....
10464	422	Cutting Block (brass), ⅝ in., for 10547 .....
10465	422	Cutting Block (brass), ¾ in., for 10547 .....
10466	422	Cutting Block (brass), ⅞ in., for 10549 .....
10467	422	Cutting Block (brass), 1 in., for 10549 .....
10471	422	Cutting Block (brass), 1¼ in., for 10551 .....
10472	422	Cutting Block (brass), 1¼ in., for 10551 .....
10473	422	Cutting Block (brass), 1¾ in., for 10551 .....
10474	422	Cutting Block (brass), 1½ in., for 10551 .....
10452	417	Cutting Block Arm .....
10453	422	" " " Ratchet Wheel..
10454	422	" " " " " Re- taining Spring Latch .....
159F	423	Cutting Block Arm Ratchet Wheel Retaining Spring Latch Screw ..

No.	Plate	Name
304C	1797	Cutting Block Arm Screw Center (2)
1513E	423	" " " " " Nut (2) .....
10455	418	Cutting Block Arm Spring .....
444F	423	" " Set Screw (2) .....
10229	417	Driving and Stop Motion Balance Wheel with two 445c .....
445C	423	Driving and Stop Motion Balance Wheel Set Screw .....
10230	418	Driving and Stop Motion Connecting Rod .....
10232	—	Driving and Stop Motion Connecting Rod 10230 with 10231 .....
10231	420	Driving and Stop Motion Connecting Rod Head .....
38D	1797	Driving and Stop Motion Connecting Rod Head Hinge Screw .....
10233	420	Driving and Stop Motion Connecting Rod Link .....
57C	1797	Driving and Stop Motion Connecting Rod Link Hinge Screw .....
10235	417	Driving and Stop Motion Friction Pulley with 10236 .....
10236	420	Driving and Stop Motion Friction Pulley Center Bearing .....
10238	417	Driving and Stop Motion Friction Pulley Washer (paper) .....
10239	417	Driving and Stop Motion Lever with 10556 .....
124F	1797	Driving and Stop Motion Lever Ad- justing Screw (2) .....
1518E	423	Driving and Stop Motion Lever Ad- justing Screw Nut (2) .....
10240	417	Driving and Stop Motion Lever Bracket .....
355D	1797	Driving and Stop Motion Lever Bracket Screw (2) .....
9263	423	Driving and Stop Motion Lever Bracket Screw Washer (2) .....
10241	4793	Driving and Stop Motion Lever Friction Pad (leather) .....
401E	423	Driving and Stop Motion Lever Friction Pad Screw (4) .....
150D	1797	Driving and Stop Motion Lever Screw .....
10243	420	Driving and Stop Motion Lever Screw Washer .....
10242	420	Driving and Stop Motion Lever Spring .....

No.	Plate	Name
10556	4792	Driving and Stop Motion Lever Spring Pin .....
159D	423	Driving and Stop Motion Lever Spring Screw .....
6312	423	Driving and Stop Motion Lever Spring Screw Washer .....
10245	420	Driving and Stop Motion Ratchet Lever with 1823 and 10251 .....
196F	1797	Driving and Stop Motion Ratchet Lever Adjusting Screw .....
63D	1797	Driving and Stop Motion Ratchet Lever Hinge Screw .....
10247	420	Driving and Stop Motion Ratchet Lever Pawl with 10248 .....
100D	423	Driving and Stop Motion Ratchet Lever Pawl Hinge Screw .....
10248	423	Driving and Stop Motion Ratchet Lever Pawl Pin .....
10249	420	Driving and Stop Motion Ratchet Lever Pawl Spring .....
236F	423	Driving and Stop Motion Ratchet Lever Pawl Spring Screw .....
1823	423	Driving and Stop Motion Ratchet Lever Roller and Stud .....
5569	416	Driving and Stop Motion Ratchet Lever Spring .....
10257	423	Driving and Stop Motion Ratchet Lever Spring Hook .....
10582	418	Driving and Stop Motion Starting Lever .....
52c	1797	Driving and Stop Motion Starting Lever Hinge Screw .....
10254	420	Driving and Stop Motion Tripping Lever with two 10257 .....
10255	420	Driving and Stop Motion Tripping Lever Catch .....
106D	423	Driving and Stop Motion Tripping Lever Catch Hinge Screw .....
10223	423	Driving and Stop Motion Tripping Lever Catch Spring .....
233D	423	Driving and Stop Motion Tripping Lever Catch Spring Screw .....
77D	1797	Driving and Stop Motion Tripping Lever Hinge Screw .....
10256	420	Driving and Stop Motion Tripping Lever Spring .....
10257	423	Driving and Stop Motion Tripping Lever Spring Pin .....

No.	Plate	Name
18576	4793	Eye Stop, for 10632 .....
10893	4793	" " " 10547 and 10549 ....
1071c	4791	" " Adjusting Screw .....
1518E	423	" " " " Nut .....
10026	4787	Face Plate .....
176D	423	" " Screw (3) .....
10152	421	" " Thread Guide .....
10028	417	Feed Driving Bell Crank Lever with 1805 .....
2D	416	Feed Driving Bell Crank Lever Hinge Screw .....
1805	421	Feed Driving Bell Crank Lever Roller and Stud .....
10261	4792	Feed Hand Ratchet Lever .....
10262	4792	" " " " Handle ..
52c	1797	" " " " Hinge Screw .....
18877	—	Feed Hand Ratchet Pawl with 18791 .....
10034	421	" " " " Hinge Stud .....
5569	416	" " " " Spring ...
18791	4791	" " " " " Hook .....
10061	4792	" " " " " Pin, for Bed .....
18878	—	Feed Hand Ratchet complete, Nos. 10034, 10261, 10262 and 18877 ....
10370	417	Feed and Looper Cam with two 445c .....
445c	423	" " " " Set Screw ..
10041	416	" Regulator (long) .....
10558	416	" " (reverse) .....
10559	416	" " (short) .....
176D	423	" " Screw (2) .....
18894	—	" Shipper Lever with 1814, for buttonholes from $\frac{1}{2}$ to $1\frac{1}{4}$ in. long .....
10477	418	Feed Shipper Lever with 1814, for buttonholes $1\frac{1}{8}$ and $1\frac{1}{4}$ in. long ..
71D	1797	Feed Shipper Lever Hinge Screw ..
1814	421	" " " Roller and Stud ..
10917	—	" Wheel with 207c, 10081, 10504, 10505, 10895, two each 401E and 756E, for $\frac{1}{2}$ in. buttonhole .....
10918	—	Feed Wheel with 207c, 10082, 10506, 10507, 10895, two each 401E and 756E, for $\frac{3}{8}$ in. buttonhole .....
10919	—	Feed Wheel with 207c, 10083, 10508, 10509, 10895, two each 401E and 756E, for $\frac{3}{8}$ in. buttonhole .....
10920	—	Feed Wheel with 207c, 756E, 10084, 10510, 10511, 10895 and three 401E, for $\frac{1}{4}$ in. buttonhole .....

No.	Plate	Name
10921	—	Feed Wheel with 207c, 756E, 10085, 10512, 10513, 10895 and three 401E, for $\frac{3}{4}$ in. buttonhole .....
10922	—	Feed Wheel with 207c, 10086, 10514, 10515, 10895 and four 401E, for $\frac{3}{8}$ in. buttonhole .....
10923	—	Feed Wheel with 207c, 756E, 10087, 10516, 10517, 10895 and three 401E, for 1 in. buttonhole .....
18562	—	Feed Wheel with 207c, 10520, 10895, 18507, 18508, two each 401E and 756E, for $1\frac{1}{8}$ in. buttonhole .....
10925	—	Feed Wheel with 207c, 401E, 10518, 10519, 10521, 10895 and three 756E, for $1\frac{1}{8}$ in. buttonhole .....
10959	—	Feed Wheel with 207c, 401E, 10895, 10962, 10963, 10967 and three 756E, for $1\frac{1}{4}$ in. buttonhole .....
18572	—	Feed Wheel with 207c, 10523, 10895, 18570, 18571, two each 401E and 756E, for $1\frac{3}{8}$ in. buttonhole .....
10960	—	Feed Wheel with 207c, 10524, 10895, 10964, 10965 and four 401E, for $1\frac{1}{2}$ in. buttonhole .....
10059	416	Feed Wheel Brake Dog with 10060
5569	416	" " " " Spring .....
10035	421	" " " " Hook .....
10060	421	" " " " Stud .....
10504	420	" " Cam Groove Protector, $\frac{1}{2}$ in. (inside), for 10917 .....
10505	420	Feed Wheel Cam Groove Protector, $\frac{1}{2}$ in. (outside), for 10917 .....
10506	—	Feed Wheel Cam Groove Protector, $\frac{9}{16}$ in. (inside), for 10918 .....
10507	—	Feed Wheel Cam Groove Protector, $\frac{9}{16}$ in. (outside), for 10918 .....
10508	—	Feed Wheel Cam Groove Protector, $\frac{5}{8}$ in. (inside), for 10919 .....
10509	—	Feed Wheel Cam Groove Protector, $\frac{5}{8}$ in. (outside), for 10919 .....
10510	—	Feed Wheel Cam Groove Protector, $\frac{11}{16}$ in. (inside), for 10920 .....
10511	—	Feed Wheel Cam Groove Protector, $\frac{11}{16}$ in. (outside), for 10920 .....
10512	—	Feed Wheel Cam Groove Protector, $\frac{3}{4}$ in. (inside), for 10921 .....
10513	—	Feed Wheel Cam Groove Protector, $\frac{3}{4}$ in. (outside), for 10921 .....
10514	—	Feed Wheel Cam Groove Protector, $\frac{3}{4}$ in. (inside), for 10922 .....

No.	Plate	Name
10515	—	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (outside), for 10922 .....
10516	—	Feed Wheel Cam Groove Protector, 1 in. (inside), for 10923 .....
10517	—	Feed Wheel Cam Groove Protector, 1 in. (outside), for 10923 .....
18507	—	Feed Wheel Cam Groove Protector, $1\frac{1}{8}$ in. (inside), for 18562 .....
18508	—	Feed Wheel Cam Groove Protector, $1\frac{1}{8}$ in. (outside), for 18562 .....
10518	—	Feed Wheel Cam Groove Protector, $1\frac{1}{8}$ in. (inside), for 10925 .....
10519	—	Feed Wheel Cam Groove Protector, $1\frac{1}{8}$ in. (outside), for 10925 .....
10962	—	Feed Wheel Cam Groove Protector, $1\frac{1}{4}$ in. (inside), for 10959 .....
10963	—	Feed Wheel Cam Groove Protector, $1\frac{1}{4}$ in. (outside), for 10959 .....
18570	—	Feed Wheel Cam Groove Protector, $1\frac{3}{8}$ in. (inside), for 18572 .....
18571	—	Feed Wheel Cam Groove Protector, $1\frac{3}{8}$ in. (outside), for 18572 .....
10964	—	Feed Wheel Cam Groove Protector, $1\frac{1}{2}$ in. (inside), for 10960 .....
10965	—	Feed Wheel Cam Groove Protector, $1\frac{1}{2}$ in. (outside), for 10960 .....
401E	423	Feed Wheel Cam Groove Protector Screw (long) .....
756E	4791	Feed Wheel Cam Groove Protector Screw (short) .....
18563	4787	Feed Wheel Driving Lever with 129E
129E	4791	" " " " Adjusting Screw .....
10063	416	Feed Wheel Driving Lever Block
357F	1797	" " " " " " Adjusting Screw .....
1520E	420	Feed Wheel Driving Lever Block Adjusting Screw Nut .....
8734	416	Feed Wheel Driving Lever Spring
10061	4792	" " " " " " Pin .....
429c	1797	Feed Wheel Driving Lever Supporting Screw .....
1513E	423	Feed Wheel Driving Lever Supporting Screw Nut .....
10296	416	Feed Wheel Friction Block .....
10030	416	" " " " Spring..
430c	1797	" " " " " " Adjusting Screw .....

No.	Plate	Name
1520E	421	Feed Wheel Friction Block Spring Adjusting Screw Nut .....
10081	—	Feed Wheel Latch, $\frac{1}{2}$ in., for 10917
10082	416	" " " $\frac{3}{8}$ in., for 10918
10083	—	" " " $\frac{1}{2}$ in., for 10919
10084	—	" " " $\frac{11}{16}$ in., for 10920
10085	—	" " " $\frac{3}{4}$ in., for 10921
10086	—	" " " $\frac{7}{8}$ in., for 10922
10087	—	" " " 1 in., for 10923
10520	—	" " " $1\frac{1}{16}$ in., for 18562
10521	—	" " " $1\frac{1}{8}$ in., for 10925
10967	—	" " " $1\frac{1}{4}$ in., for 10959
10523	—	" " " $1\frac{3}{8}$ in., for 18752
10524	—	" " " $1\frac{1}{2}$ in., for 10960
10895	4793	" " Tripping Point .....
207c	4791	" " " " Screw ..
10526	—	Knife, $\frac{1}{2}$ in. (large size eye) .....
10527	422	" $\frac{3}{8}$ in. (large size eye) .....
10528	422	" $\frac{5}{8}$ in. (large size eye) .....
10529	—	" $1\frac{1}{8}$ in. (large size eye) .....
10530	422	" $\frac{3}{4}$ in. (large size eye) .....
10531	—	" $\frac{7}{8}$ in. (large size eye) .....
10532	422	" 1 in. (large size eye) .....
10533	—	" $1\frac{1}{8}$ in. (large size eye) .....
10534	422	" $1\frac{1}{4}$ in. (large size eye) .....
10535	422	" $1\frac{1}{2}$ in. (large size eye) .....
10632	1784	" Holder with 209F and two 10556, for 10526 and 10527 .....
10547	1784	Knife Holder with 209F and two 10556, for 10528 to 10530 .....
10549	418	Knife Holder with 209F and two 10556, for 10531 and 10532 .....
10551	418	Knife Holder with 209F and two 10556, for 10533 to 10535 .....
10552	422	Knife Holder Adjusting Collar with 453c .....
453c	422	Knife Holder Adjusting Collar Set Screw .....
10553	422	Knife Holder Connecting Link ....
72D	423	" " " " Hinge Screw .....
10554	421	Knife Holder Connecting Link Pin..
10555	418	" " Hinge Pin .....
450c	423	" " " " Set Screw (2)
10560	417	" " Lifting Rock Shaft ....
10561	418	" " " " " Con- necting Link .....
10562	421	Knife Holder Lifting Rock Shaft Connecting Link Pin (2) .....

No.	Plate	Name
293c	420	Knife Holder Lifting Rock Shaft Screw Center (2) .....
1501E	420	Knife Holder Lifting Rock Shaft Screw Center Nut (2) .....
10556	4792	Knife Position Pin .....
209F	423	" Set Screw .....
10371	423	Looper (long) .....
10372	423	" (short) .....
10373	420	" Carrier .....
10122	418	" " Bracket .....
7958	4791	" " " Dowel Pin ....
130D	1797	" " " Screw .....
10123	416	" " Crank .....
7958	4791	" " " Pin .....
209F	423	" " " Set Screw .....
10374	423	" " Needle Guard .....
233D	423	" " " " Screw ...
2077	4791	" " Pin .....
10127	4787	" " Pitman .....
378c	1797	" " " Hinge Screw (2)
1520E	421	" " " " " Nut (2) .....
10130	416	Looper Carrier Shaft .....
10129	417	" Driving Bell Crank with 1807
2D	416	" " " " Hinge Screw
1807	421	" " " " Roller and Stud .....
224F	423	Looper Screw (2) .....
10088	4787	Needle Bar .....
10089	4787	Needle Bar complete, Nos. 10088, 10096, 10108 and 10110 .....
10091	416	Needle Bar Connecting Link with two 390c .....
390c	423	Needle Bar Connecting Link Adjust- ing Screw .....
29c	1797	Needle Bar Connecting Link Hinge Screw .....
7548	—	Needle Bar Connecting Stud .....
7448	416	" " " " " 7548 with 155c .....
155c	4791	Needle Bar Connecting Stud Set Screw .....
10557	4787	Needle Bar Frame .....
10897	—	" " " Bell Crank with 1813 .....
1813	421	Needle Bar Frame Bell Crank Roller and Stud .....
307c	1797	Needle Bar Frame Bell Crank Screw Center (2) .....

No.	Plate	Name
1513E	423	Needle Bar Frame Bell Crank Screw Center Nut (2) .....
10101	416	Needle Bar Frame Cam with two 445c .....
445c	423	Needle Bar Frame Cam Set Screw..
10103	4787	" " " Connecting Rod with 390c .....
390c	423	Needle Bar Frame Connecting Rod Adjusting Screw .....
10104	421	Needle Bar Frame Connecting Rod Ball .....
147c	1797	Needle Bar Frame Connecting Rod Ball Screw .....
37E	1797	Needle Bar Frame Regulating Screw Stud .....
1514c	423	Needle Bar Frame Regulating Screw Stud Nut .....
307c	1797	Needle Bar Frame Screw Center (lower) .....
306c	1797	Needle Bar Frame Screw Center (upper) .....
1513E	423	Needle Bar Frame Screw Center Nut (2) .....
15876	-----	Needle Bar Packing Cord (2) .....
290E	1797	" " Screw Bushing (2) ...
10093	416	" " Thread Take-up with 10114 .....
10094	421	Needle Bar Thread Take-up Roller
10095	421	" " " " "
		Cap .....
233D	423	Needle Bar Thread Take-up Roller Cap Screw .....
10114	421	Needle Bar Thread Take-up Roller Pin .....
209F	423	Needle Bar Thread Take-up Set Screw .....
10096	416	Needle Bar Thread Take-up com- plete, Nos. 209F, 233D and 10093 to 10095 .....
10105	421	Needle Clamp .....
10106	421	" " Disc .....
10107	421	" " " Spring .....
93H	423	" " " " Screw .....
10108	421	" " Gib .....
209F	423	" " Set Screw .....
10109	421	" " Thread Guide .....
665D	1797	" " " " Screw ..
10110	421	Needle Clamp complete, Nos. 93H, 209F, 665D, 10105, 10107, 10109 and two 10106 .....

No.	Plate	Name
10378	423	Spreader (left) with 110c .....
10376	423	" (right) with 110c .....
10382	423	" Cam (left) .....
10381	423	" " (right) .....
10383	423	" " Adjusting Slide (2) ...
185H	1797	" " " " Screw (2)
228D	423	" " Screw (2) .....
110c	423	" Hinge Screw .....
10223	423	" Spring (2) .....
229D	423	" " Screw (2) .....
2102	416	Tension (under thread) Disc (2) ..
1560c	421	" " " Regulating Thumb Nut .....
50021D	-----	Tension (under thread) Screw Stud
10148	421	" " " Spring .....
10145	421	" " " Thread Guide
10144	4787	" (upper thread) and Spool Bracket .....
10146	-----	Tension (upper thread) and Spool Bracket complete, Nos. 415D, 488D, 1560c, 2103, 8039, 10111, 10112, 10144, 10145 and two 2102 .....
159D	423	Tension (upper thread) and Spool Bracket Screw (2) .....
2102	416	Tension (upper thread) Disc .....
1560c	421	" " " Regulating Thumb Nut .....
2103	421	Tension (upper thread) Spring .....
415D	1797	" " " Stud .....
10145	421	" " " Thread Guide
10150	416	Thread (under) Cord Guide .....
333D	423	" " " " Screw ..
10147	4787	" " Spool Bracket .....
159D	423	" " " " Screw (2)
488D	419	" " " Spindle, 3½ in. long .....
487D	419	Thread (under) Spool Spindle, 4 in. long .....
10111	421	Thread (under) Spool Spindle Inside Cone (2) .....
10112	421	Thread (under) Spool Spindle Inside Cone Spring (2) .....
8064	-----	Thread (under) Spool Spindle Out- side Cone .....
8039	416	Thread (under) Spool Spindle Out- side Cone 8064 with 759F (2) ..
759F	423	Thread (under) Spool Spindle Out- side Cone Thumb Screw .....

No.	Plate	Name
10149	416	Thread (under) Take-up Spring ....
10145	421	" " Thread Guide .....
10137	416	" (upper) Nipper Arm .....
77D	1797	" " " " Hinge Screw .....
1821	421	Thread (upper) Nipper Arm Roller and Stud .....
10139	418	Thread (upper) Nipper Cam with 435c .....
3012	421	Thread (upper) Nipper Cam Pin ..
435c	1797	" " " " Set Screw .....
8800	421	Thread (upper) Nipper Disc (2) ...
1645E	1797	" " " " Regu- lating Thumb Nut .....
1547D	423	Thread (upper) Nipper Disc Regu- lating Thumb Nut Lock Nut ....
1153c	1797	Thread (upper) Nipper Disc Screw Stud .....
1547D	423	Thread (upper) Nipper Disc Screw Stud Nut .....
10140	416	Thread (upper) Nipper Lever .....
49F	1797	" " " " Screw
10141	421	" " " " Spring
10142	416	" " " Link .....
488D	419	" " Spool Spindle, 3½ in. long .....
10111	421	Thread (upper) Spool Spindle Inside Cone .....
10112	421	Thread (upper) Spool Spindle Inside Cone Spring .....
8064	—	Thread (upper) Spool Spindle Out- side Cone .....
8039	416	Thread (upper) Spool Spindle Out- side Cone 8064 with 759F .....
759F	423	Thread (upper) Spool Spindle Out- side Cone Thumb Screw .....
10151	416	Thread (upper) Take-up Spring ...
236F	423	" " " " Screw

## LIST OF PARTS COMPLETE

FOR

## MACHINE No. 23-16

HAS CUTTING ATTACHMENT

For Cloth

Makes Buttonholes 2 inches long

No.	Plate	Name
*10891	—	Arm with 771D and 10008 .....
8582	421	" Dowel Pin (2) .....
118E	1797	" Screw (3) .....
10002	417	" Shaft (horizontal) .....
18820	1784	" " " Gear with 453c
2117	421	" " " " Pin .....
453c	423	" " " " Set Screw
144D	1797	" " " " Screw .....
10005	417	" " (upright) .....
18821	1784	" " " Gear with 453c ..
2117	421	" " " " Pin .....
453c	423	" " " " Set Screw ..
*10008	—	" Side Plate .....
771D	1797	" " " Thumb Screw .....
10010	4787	Balance Wheel, 2¼ in. pulley, with two 448c .....
448c	423	Balance Wheel Set Screw .....
*10760	—	Bed .....
18638	4789	" Plate with 18620, 18621 and four 405E .....
18813	—	Bed Plate 18638 with 18797, 18798 and four 231c .....
18814	—	Bed Plate complete, Nos. 10024, 10132, 10134, 10879, 18813, two each 10135, 10136 and three 405E
10879	4792	Bed Plate Button with 240D and 664D
405E	423	" " " " Screw .....
10020	416	" " Clamp Guide Slide with 1827 .....
10021	416	Bed Plate Clamp Guide Slide Guide
399F	423	" " " " " "
		Screw .....
1827	421	Bed Plate Clamp Guide Slide Roller and Stud .....

No.	Plate	Name
10023	416	Bed Plate Clamp Guide Slide Spring
10022	421	" " " " " "
		Stop Stud .....
10024	416	Bed Plate Clamp Guide complete, Nos. 10020, 10022, 10023, two 10021 and four 399F .....
18797	4792	Bed Plate Clamp Stop (left) with 18752 .....
18798	4792	Bed Plate Clamp Stop (right) with 18752 .....
231C	1797	Bed Plate Clamp Stop Screw .....
18752	—	" " " " Stud .....
10461	421	" " Dowel Pin .....
18620	4793	" " Protector (left), for $\frac{1}{2}$ to 1 in. buttonholes .....
18621	4793	Bed Plate Protector (right), for $\frac{1}{2}$ to 1 in. buttonholes .....
405E	423	Bed Plate Protector Screw .....
389F	423	" " Screw (4) .....
10763	1757	Clamp Arm (lower, left) .....
10762	1757	" " (lower, right) .....
10156	419	" " (lower) Front Guide (left) .....
10155	419	Clamp Arm (lower) Front Guide (right) .....
10157	421	Clamp Arm (lower) Front Guide Dowel Pin .....
402D	423	Clamp Arm (lower) Front Guide Screw .....
10159	419	Clamp Arm (lower) Rear Guide (left) .....
10161	423	Clamp Arm (lower) Rear Guide (left) Rivet .....
10158	419	Clamp Arm (lower) Rear Guide (right) .....
10160	421	Clamp Arm (lower) Rear Guide (right) Rivet .....
10765	1757	Clamp Arm (upper, left) with 10165
10764	1757	" " (upper, right) with 10165
10164	419	" " (upper) Adjusting Slide
247F	423	" " " " " "
		Screw .....
10165	421	Clamp Arm (upper) Adjusting Slide Steady Pin .....
10170	419	Clamp Arm (upper) Connecting Yoke
10171	419	" " " " " "
		Link with two 220D .....
220D	423	Clamp Arm (upper) Connecting Yoke Link Screw .....

No.	Plate	Name
10172	419	Clamp Arm (upper) Hinge .....
10173	423	" " " " Pin .....
176D	423	" " " " Screw .....
10195	4792	" " " " Spring .....
10174	419	" " " " Spreader .....
10821	418	" " " " Lever .....
99E	423	" " " " Hinge Screw
10176	419	" " " " Link .....
105D	423	" " " " Hinge Screw
109D	423	" " " " Screw .....
10767	1757	" Check (left) .....
10766	1757	" " (right) .....
10157	421	" " Hinge Pin .....
10177	419	" Crank Shaft .....
10179	419	" " " Bracket (left) ..
10178	419	" " " " (right) ...
397F	423	" " " " Screw (large) .....
223E	423	Clamp Crank Shaft Bracket Screw (small) .....
10180	419	Clamp Crank Shaft Lever .....
10181	423	" " " " Pin .....
10182	419	" Guide Pin .....
10183	419	" " " " Lifter .....
103D	423	" " " " Hinge Screw ..
10184	419	" " " " Spring .....
233D	423	" " " " " Screw
10157	421	" " " " Stop Pin ....
10185	419	" " " " Post .....
10768	1757	" Plate .....
10187	423	" Thread Catch .....
240D	423	" " " " Screw .....
10769	—	Clamp, 2 in., complete, Nos. 99E, 103D, 105D, 109D, 233D, 240D, 10155, 10156, 10158, 10159, 10170, 10171, 10174, 10176 to 10185, 10187, 10762 to 10768, 10821, two each 176D, 223E, 247F, 397E, 402D, 10160, 10161, 10164, 10172, 10173, 10195 and five 10157 .....
10880	422	Cutting Block (brass), 2 inch .....
10452	417	" " Arm .....
10453	422	" " " Ratchet Wheel ..
10454	422	" " " " " Re- taining Spring Latch .....
159F	423	Cutting Block Arm Ratchet Wheel Retaining Spring Latch Screw ..
304C	1797	Cutting Block Arm Screw Center (2)
1513E	423	" " " " " Nut (2) .....



No.	Plate	Name
10455	418	Cutting Block Arm Spring .....
444F	423	" " " " Set Screw (2) .....
10770	4792	Eye Stop .....
1071C	4791	" " Adjusting Screw .....
1518E	423	" " " " Nut .....
10026	4787	Face Plate .....
176D	423	" " Screw (3) .....
10152	421	" " Thread Guide .....
10028	417	Feed Driving Bell Crank Lever with 1805 .....
2D	416	Feed Driving Bell Crank Lever Hinge Screw .....
1805	421	Feed Driving Bell Crank Lever Roller and Stud .....
10031	418	Feed Hand Ratchet Lever .....
10032	416	" " " " Handle ..
52C	1797	" " " " Hinge Screw .....
18792	4792	Feed Hand Ratchet Pawl with 18791
10034	421	" " " " Hinge Stud
5569	416	" " " " Spring ...
18791	4791	" " " " Hook
10061	4792	" " " " " Pin, for Bed .....
10886	---	Feed Hand Ratchet complete, Nos. 10031, 10032, 10034 and 18792 ...
10038	417	Feed and Looper Cam with two 445C
445C	423	" " " " Set Screw ..
10041	416	" Regulator (long) .....
10558	416	" " (reverse) .....
176D	423	" " Screw (2) .....
10477	418	" Shipper Lever with 1814 .....
71D	1797	" " " Hinge Screw ...
10800	---	" Wheel with 10773, for 2 in. but- tonhole .....
10059	416	Feed Wheel Brake Dog with 10060
5569	416	" " " " Spring ...
10035	421	" " " " " Hook
10060	421	" " " " Stud .....
18563	4787	" " Driving Lever with 129E
129E	4791	" " " " Adjusting Screw .....
10063	416	Feed Wheel Driving Lever Block
357F	1797	" " " " " " Adjusting Screw .....
1520E	421	Feed Wheel Driving Lever Block Adjusting Screw Nut .....

No.	Plate	Name
8734	416	Feed Wheel Driving Lever Spring
10061	4792	" " " " " "
		Pin .....
429C	1797	Feed Wheel Driving Lever Support- ing Screw .....
1513E	423	Feed Wheel Driving Lever Support- ing Screw Nut .....
10772	4792	Feed Wheel Friction Block .....
18579	4792	" " " " Spring ..
430C	1797	" " " " " Ad- justing Screw .....
1520E	421	Feed Wheel Friction Block Spring Adjusting Screw Nut .....
10773	---	Feed Wheel Latch, 2 in., for 10800
10881	422	Knife, 2 in. (large size eye) .....
10730	4792	" Holder with 209F and two 10556
10552	422	" " Adjusting Collar with 453C
453C	422	" " " " Set Screw
10883	4792	" " Connecting Link .....
72D	423	" " " " Hinge Screw .....
10554	421	Knife Holder Connecting Link Pin
10555	418	" " Hinge Pin .....
450C	423	" " " " Set Screw (2)
18870	---	" " Lifting Rock Shaft ...
10884	4792	" " " " " Con- necting Link .....
10562	421	Knife Holder Lifting Rock Shaft Connecting Link Pin (2) .....
293C	420	Knife Holder Lifting Rock Shaft Screw Center (2) .....
1501E	420	Knife Holder Lifting Rock Shaft Screw Center Nut (2) .....
10556	4792	Knife Position Pin .....
209F	423	" Set Screw .....
10118	421	Looper (long) .....
10119	421	" (short) .....
18580	4792	" Carrier with 1824 .....
10122	418	" " Bracket .....
130D	1797	" " " Screw .....
10123	416	" " Crank .....
7958	4791	" " " Pin .....
209F	423	" " " Set Screw .....
10125	421	" " Needle Guard .....
233D	423	" " " " Screw ...
2077	4791	" " Pin .....
10127	4787	" " Pitman .....
378C	1797	" " " Hinge Screw (2).
1520E	421	" " " " " Nut (2) .....

No.	Plate	Name
1824	421	Looper Carrier Roller and Stud . . . .
10130	416	" " Shaft . . . . .
10129	417	" Driving Bell Crank with 1807
2D	416	" " " " Hinge Screw
1807	421	" " " " Roller and Stud . . . . .
224F	423	Looper Screw (2) . . . . .
10088	4787	Needle Bar . . . . .
10089	4787	Needle Bar complete, Nos. 10088, 10096, 10108 and 10110 . . . . .
10091	416	Needle Bar Connecting Link with two 390c . . . . .
390c	423	Needle Bar Connecting Link Adjusting Screw . . . . .
29c	1797	Needle Bar Connecting Link Hinge Screw . . . . .
7548	—	Needle Bar Connecting Stud . . . . .
7448	416	" " " " " 7548 with 155c . . . . .
155c	4791	Needle Bar Connecting Stud Set Screw . . . . .
10557	4787	Needle Bar Frame . . . . .
10897	—	" " " Bell Crank with 1813 . . . . .
1813	421	Needle Bar Frame Bell Crank Roller and Stud . . . . .
307c	1797	Needle Bar Frame Bell Crank Screw Center (2) . . . . .
1513E	423	Needle Bar Frame Bell Crank Screw Center Nut (2) . . . . .
10101	416	Needle Bar Frame Cam with two 445c . . . . .
445c	423	Needle Bar Frame Cam Set Screw . . . . .
10103	4787	" " " Connecting Rod with 390c . . . . .
390c	423	Needle Bar Frame Connecting Rod Adjusting Screw . . . . .
10104	421	Needle Bar Frame Connecting Rod Ball . . . . .
147c	1797	Needle Bar Frame Connecting Rod Ball Screw . . . . .
37E	1797	Needle Bar Frame Regulating Screw Stud . . . . .
1514c	423	Needle Bar Frame Regulating Screw Stud Nut . . . . .
307c	1797	Needle Bar Frame Screw Center (lower) . . . . .
306c	1797	Needle Bar Frame Screw Center (upper) . . . . .

No.	Plate	Name
1513E	423	Needle Bar Frame Screw Center Nut (2) . . . . .
1887E	—	Needle Bar Packing Cord (2) . . . . .
290E	1797	" " Screw Bushing (2) . . . . .
10093	416	" " Thread Take-up with 10114 . . . . .
10094	421	Needle Bar Thread Take-up Roller
10095	421	" " " " " " Cap . . . . .
233D	423	Needle Bar Thread Take-up Roller Cap Screw . . . . .
10114	421	Needle Bar Thread Take-up Roller Pin . . . . .
209F	423	Needle Bar Thread Take-up Set Screw . . . . .
10096	416	Needle Bar Thread Take-up complete, Nos. 209F, 233D and 10093 to 10095 . . . . .
10105	421	Needle Clamp . . . . .
10106	421	" " Disc . . . . .
10107	421	" " " Spring . . . . .
93H	423	" " " " Screw . . . . .
10108	421	" " Gib . . . . .
209F	423	" " Set Screw . . . . .
10109	421	" " Thread Guide . . . . .
665D	1797	" " " " Screw . . . . .
10110	421	Needle Clamp complete, Nos. 93H, 209F, 665D, 10105, 10107, 10109 and and two 10106 . . . . .
10134	416	Spreader (left) with 99c and 10136
664D	4791	" " Stop Screw . . . . .
10132	416	" (right) with 99c and 10136 . . . . .
240D	423	" " Stop Screw . . . . .
99c	423	" Hinge Screw . . . . .
10135	421	" Spring . . . . .
10136	421	" " Hook . . . . .
2102	416	Tension (under thread) Disc (2) . . . . .
1560c	421	" " " Regulating Thumb Nut . . . . .
50021D	—	Tension (under thread) Screw Stud
10148	421	" " " Spring . . . . .
10145	421	" " " Thread Guide
10144	421	" (upper thread) and Spool Bracket . . . . .
10146	—	Tension (upper thread) and Spool Bracket complete, Nos. 415D, 488D, 1560c, 2103, 8039, 10111, 10112, 10144, 10145 and two 2102 . . . . .
159D	423	Tension (upper thread) and Spool Bracket Screw (2) . . . . .

No.	Plate	Name
2102	416	Tension (upper thread) Disc .....
1560c	421	" " " " Regulating Thumb Nut .....
2103	421	Tension (upper thread) Spring ....
415D	1797	" " " " Stud .....
10145	421	" " " " Thread Guide
10150	416	Thread (under) Cord Guide .....
333D	423	" " " " " Screw ..
10147	4787	" " " " Spool Bracket .....
159D	423	" " " " " Screw (2)
488D	419	" " " " Spindle, 3½ in. long .....
487D	419	Thread (under) Spool Spindle, 4 in. long .....
10111	421	Thread (under) Spool Spindle Inside Cone (2) .....
10112	421	Thread (under) Spool Spindle Inside Cone Spring (2) .....
8064	—	Thread (under) Spool Spindle Out- side Cone .....
8039	416	Thread (under) Spool Spindle Out- side Cone 8064 with 759F (2) ...
759F	423	Thread (under) Spool Spindle Out- side Cone Thumb Screw .....
10149	416	Thread (under) Take-up Spring ...
10145	421	" " " " Thread Guide .....
10137	416	" (upper) Nipper Arm .....
77D	1797	" " " " " Hinge Screw .....
1821	421	Thread (upper) Nipper Arm Roller and Stud .....
10567	418	Thread (upper) Nipper Cam with 435c .....
3012	421	Thread (upper) Nipper Cam Pin ..
435c	1797	" " " " " Set Screw .....
8800	421	Thread (upper) Nipper Disc .....
1645E	1797	" " " " " Regulat- ing Thumb Nut .....
1547D	423	Thread (upper) Nipper Disc Regu- lating Thumb Nut Lock Nut ....
1153c	1797	Thread (upper) Nipper Disc Screw Stud .....
1547D	423	Thread (upper) Nipper Disc Screw Stud Nut .....
10140	416	Thread (upper) Nipper Lever .....
49F	1797	" " " " " Screw
10141	421	" " " " " Spring
10568	416	" " " " " Link .....

No.	Plate	Name
488D	419	Thread (upper) Spool Spindle, 3½ in. long .....
10111	421	Thread (upper) Spool Spindle Inside Cone .....
10112	421	Thread (upper) Spool Spindle Inside Cone Spring .....
8064	—	Thread (upper) Spool Spindle Out- side Cone .....
8039	416	Thread (upper) Spool Spindle Out- side Cone 8064 with 759F .....
759F	423	Thread (upper) Spool Spindle Out- side Cone Thumb Screw .....
10151	416	Thread (upper) Take-up Spring ....
236F	423	" " " " " Screw

**LIST OF PARTS COMPLETE**  
**FOR**  
**MACHINE No. 23-21**

**HAS CUTTING ATTACHMENT**

For Cloth

Makes Buttonholes 2½ inches long

No.	Plate	Name
*10891	---	Arm with 771D and 10008 .....
8582	421	" Dowel Pin (2) .....
118E	1797	" Screw (3) .....
10002	417	" Shaft (horizontal) .....
18820	1784	" " " Gear with 453c .....
2117	421	" " " " Pin .....
453c	423	" " " " Set Screw .....
144D	1797	" " " Screw .....
10005	417	" " (upright) .....
18821	1784	" " " Gear with 453c ..
2117	421	" " " " Pin .....
453c	423	" " " " Set Screw ..
*10008	---	" Side Plate .....
771D	1797	" " " Thumb Screw .....
10010	4784	Balance Wheel, 2¼ in. pulley, with two 448c .....
448c	423	Balance Wheel Set Screw .....
*18592	---	Bed with 18593 and four 145E .....
*18593	---	" Extension .....
18594	4794	" " Cover .....
390D	423	" " " Screw (2) .....
145E	423	" " Screw .....
18595	4788	" Plate .....
18887	---	Bed Plate complete, Nos. 10024, 10132, 10134, 18595, 18886, two each 10135, 10136 and three 405E .....
18886	---	Bed Plate Button with 240D and 664D
405E	423	" " " Screw .....
10020	416	" " Clamp Guide Slide with 1827 .....
10021	416	Bed Plate Clamp Guide Slide Guide
399F	423	" " " " " " "
		Screw .....
1827	421	Bed Plate Clamp Guide Slide Roller and Stud .....

No.	Plate	Name
10023	416	Bed Plate Clamp Guide Slide Spring
10022	421	" " " " " "
		Stop Stud .....
10024	416	Bed Plate Clamp Guide complete, Nos. 10020, 10022, 10023, two 10021 and four 399F .....
10461	421	Bed Plate Dowel Pin (2) .....
390c	423	" " Screw (5) .....
10462	421	" " Stud (2) .....
18598	1757	Clamp Arm (lower, left) .....
18597	1757	" " (lower, right) .....
10156	419	" " (lower) Front Guide (left) .....
10155	419	Clamp Arm (lower) Front Guide (right) .....
10157	421	Clamp Arm (lower) Front Guide Dowel Pin .....
402D	423	Clamp Arm (lower) Front Guide Screw .....
10159	419	Clamp Arm (lower) Rear Guide (left) .....
10161	423	Clamp Arm (lower) Rear Guide (left) Rivet .....
10158	419	Clamp Arm (lower) Rear Guide (right) .....
10160	421	Clamp Arm (lower) Rear Guide (right) Rivet .....
18600	1757	Clamp Arm (upper, left) with 10165
18599	1757	" " (upper, right) with 10165
10164	419	" " (upper) Adjusting Slide
247F	423	" " " " " "
		Screw .....
10165	421	Clamp Arm (upper) Adjusting Slide Steady Pin .....
10170	419	Clamp Arm (upper) Connecting Yoke
10171	419	" " " " "
		Link with two 220D .....
220D	423	Clamp Arm (upper) Connecting Yoke Link Screw .....
10172	419	Clamp Arm (upper) Hinge .....
10173	423	" " " " Pin .....
176D	423	" " " " Screw .....
10195	4792	" " " " Spring .....
10174	419	" " Spreader .....
10821	418	" " " " Lever .....
99E	423	" " " " " " Hinge Screw .....
10176	419	Clamp Arm Spreader Link .....
105D	423	" " " " " " Hinge Screw .....

No.	Plate	Name
109D	423	Clamp Arm Spreader Screw .....
18602	1757	" Check (left) .....
18601	1757	" " (right) .....
10157	421	" " Hinge Pin .....
10177	419	" Crank Shaft .....
10179	419	" " " Bracket (left) ..
10178	419	" " " " (right) ..
397E	423	" " " " Screw (large) .....
223E	423	Clamp Crank Shaft Bracket Screw (small) .....
10180	419	Clamp Crank Shaft Lever .....
10181	423	" " " " Pin .....
10182	419	" Guide Pin .....
10183	419	" " " Lifter .....
103D	423	" " " " Hinge Screw.
10184	419	" " " " Spring .....
233D	423	" " " " " Screw ..
10157	421	" " " " Stop Pin ....
10185	419	" " " Post .....
18603	1757	" Plate .....
10187	423	" Thread Catch .....
240D	423	" " " Screw .....
18604	—	Clamp, 2½ in., complete, Nos. 99E, 103D, 105D, 109D, 233D, 240D, 10155, 10156, 10158, 10159, 10170, 10171, 10174, 10176 to 10185, 10187, 10821, 18597 to 18603, two each 176D, 223E, 247E, 397E, 402D, 10160, 10161, 10164, 10172, 10173, 10195 and five 10157 .....
18605	422	Cutting Block (brass), 1¼ inch ....
10452	417	" " Arm .....
10453	422	" " " Ratchet Wheel ..
10454	422	" " " " " Re- taining Spring Latch .....
159D	423	Cutting Block Arm Ratchet Wheel Retaining Spring Latch Screw ..
304C	1797	Cutting Block Arm Screw Center (2)
1513E	423	" " " " " Nut (2) .....
10455	418	Cutting Block Arm Spring .....
444E	423	" " Set Screw (2) .....
10026	4787	Face Plate .....
176D	423	" " Screw (3) .....
10152	421	" " Thread Guide .....
10028	417	Feed Driving Bell Crank Lever with 1805 .....
2D	416	Feed Driving Bell Crank Lever Hinge Screw .....

No.	Plate	Name
1805	421	Feed Driving Bell Crank Lever Rol- ler and Stud .....
18606	4790	Feed Hand Ratchet Lever .....
10032	416	" " " " Handle..
52C	1797	" " " " Hinge Screw .....
18879	—	Feed Hand Ratchet Pawl with 18791
10034	421	" " " " Hinge Stud
5569	416	" " " " Spring ....
18791	4791	" " " " " Hook
10061	4792	" " " " " Pin .
18880	—	Feed Hand Ratchet complete, Nos. 10032, 10034, 18606 and 18879 ....
10038	417	Feed and Looper Cam with two 445C
445C	423	" " " " Set Screw ...
10041	416	" Regulator (long) .....
10558	416	" " (reverse) .....
176D	423	" " Screw (2) .....
10477	418	" Shipper Lever with 1814 .....
71D	1797	" " " Hinge Screw ...
1814	421	" " " Roller and Stud
18608	—	" Wheel with 18609, for 2½ in. buttonhole .....
10059	416	Feed Wheel Brake Dog with 10060
5569	416	" " " " Spring ....
10035	421	" " " " " Hook
10060	421	" " " " Stud .....
18563	4787	" " Driving Lever with 129E
129E	4791	" " " " Adjusting Screw .....
10063	416	Feed Wheel Driving Lever Block
357E	1797	" " " " " " Adjusting Screw .....
1520E	420	Feed Wheel Driving Lever Block Adjusting Screw Nut .....
8734	416	Feed Wheel Driving Lever Spring..
429C	1797	" " " " Supporting Screw .....
1513E	423	Feed Wheel Driving Lever Support- ing Screw Nut .....
10029	416	Feed Wheel Friction Block .....
10030	416	" " " " Spring ..
430C	1797	" " " " " Ad- justing Screw .....
1520E	421	Feed Wheel Friction Block Spring Adjusting Screw Nut .....
18609	—	Feed Wheel Latch .....
10881	422	Knife, 2 in. (large size eye) .....
18610	4792	" Holder with 209F and two 10556

No.	Plate	Name
10552	422	Knife Holder Adjusting Collar with 453c .....
453c	422	Knife Holder Adjusting Collar Set Screw .....
10883	4792	Knife Holder Connecting Link .....
72d	423	" " " " Hinge Screw .....
10554	421	Knife Holder Connecting Link Pin .....
10555	418	" " Hinge Pin .....
450c	423	" " " " Set Screw (2) .....
18870	—	" " Lifting Rock Shaft .....
10884	4792	" " " " " Con-necting Link .....
10562	421	Knife Holder Lifting Rock Shaft Connecting Link Pin (2) .....
293c	420	Knife Holder Lifting Rock Shaft Screw Center (2) .....
1501e	420	Knife Holder Lifting Rock Shaft Screw Center Nut (2) .....
10556	4792	Knife Position Pin .....
209f	423	" Set Screw .....
10118	421	Looper (long) .....
10119	421	" (short) .....
18580	4792	" Carrier with 1824 .....
10122	418	" " Bracket .....
130d	1797	" " " Screw .....
10123	416	" " Crank .....
7958	4791	" " " Pin .....
209f	423	" " " Set Screw .....
10125	421	" " Needle Guard .....
233d	423	" " " " Screw .....
2077	4791	" " Pin .....
10127	4787	" " Pitman .....
378c	1797	" " " Hinge Screw (2) .....
1520e	421	" " " " " Nut (2) .....
1824	421	Looper Carrier Roller and Stud .....
10130	416	" " Shaft .....
10129	417	" Driving Bell Crank with 1807 .....
2d	416	" " " " Hinge Screw .....
1807	421	" " " " Roller and Stud .....
224f	423	Looper Screw (2) .....
10088	4787	Needle Bar .....
10089	4787	Needle Bar complete, Nos. 10088, 10096, 10108 and 10110 .....
10091	416	Needle Bar Connecting Link with two 390c .....
390c	423	Needle Bar Connecting Link Adjusting Screw .....

No.	Plate	Name
29c	1797	Needle Bar Connecting Link Hinge Screw .....
7548	—	Needle Bar Connecting Stud .....
7448	416	" " " " 7548 with 155c .....
155c	4791	Needle Bar Connecting Stud Set Screw .....
10557	4787	Needle Bar Frame .....
10897	—	" " " Bell Crank with 1813 .....
1813	421	Needle Bar Frame Bell Crank Roller and Stud .....
307c	1797	Needle Bar Frame Bell Crank Screw Center (2) .....
1513e	423	Needle Bar Frame Bell Crank Screw Center Nut (2) .....
10101	416	Needle Bar Frame Cam with two 445c .....
445c	423	Needle Bar Frame Cam Set Screw .....
10103	4787	" " " Connecting Rod with 390c .....
390c	423	Needle Bar Frame Connecting Rod Adjusting Screw .....
10104	421	Needle Bar Frame Connecting Rod Ball .....
147c	1797	Needle Bar Frame Connecting Rod Ball Screw .....
37e	1797	Needle Bar Frame Regulating Screw Stud .....
1514c	423	Needle Bar Frame Regulating Screw Stud Nut .....
307c	1797	Needle Bar Frame Screw Center (lower) .....
306c	1797	Needle Bar Frame Screw Center (upper) .....
1513e	423	Needle Bar Frame Screw Center Nut (2) .....
18876	—	Needle Bar Packing Cord (2) .....
290e	1797	" " Screw Bushing (2) .....
10093	416	" " Thread Take-up with 10114 .....
10094	421	Needle Bar Thread Take-up Roller .....
10095	421	" " " " " Cap .....
233d	423	Needle Bar Thread Take-up Roller Cap Screw .....
10114	421	Needle Bar Thread Take-up Roller Pin .....
209f	423	Needle Bar Thread Take-up Set Screw .....

No.	Plate	Name
10096	416	Needle Bar Thread Take-up complete, Nos. 209F, 233D and 10093 to 10095 .....
10105	421	Needle Clamp .....
10106	421	" " Disc .....
10107	421	" " " Spring .....
93H	423	" " " " Screw ....
10108	421	" " Gib .....
209F	423	" " Set Screw .....
10109	421	" " Thread Guide .....
665D	1797	" " " " Screw ..
10110	421	Needle Clamp complete, Nos. 93H, 209F, 665D, 10105, 10107, 10109 and two 10106 .....
10134	416	Spreader (left) with 99c and 10136 .....
664D	4791	" " Stop Screw .....
10132	416	" (right) with 99c and 10136..
240D	423	" " Stop Screw .....
99c	423	" Hinge Screw .....
10135	421	" Spring .....
10136	421	" " Hook .....
2102	416	Tension (under thread) Disc (2) ..
1560c	421	" " " " Regulating Thumb Nut .....
50021D	----	Tension (under thread) Screw Stud .....
10148	421	" " " Spring .....
10145	421	" " " Thread Guide .....
10144	4787	" (upper thread) and Spool Bracket .....
10146	----	Tension (upper thread) and Spool Bracket complete, Nos. 415D, 488D, 1560c, 2103, 8039, 10111, 10112, 10144, 10145 and two 2102 .....
159D	423	Tension (upper thread) and Spool Bracket Screw (2) .....
2102	416	Tension (upper thread) Disc .....
1560c	421	" " " " Regulating Thumb Nut .....
2103	421	Tension (upper thread) Spring ....
415D	1797	" " " Stud .....
10145	421	" " " Thread Guide .....
10150	416	Thread (under) Cord Guide .....
333D	423	" " " " Screw ..
10147	4787	" " Spool Bracket .....
159D	423	" " " " Screw (2) .....
488D	419	" " " Spindle, 3½ in. long .....
487D	419	Thread (under) Spool Spindle, 4 in. long .....

No.	Plate	Name
10111	421	Thread (under) Spool Spindle Inside Cone (2) .....
10112	421	Thread (under) Spool Spindle Inside Cone Spring (2) .....
8064	---	Thread (under) Spool Spindle Outside Cone .....
8039	416	Thread (under) Spool Spindle Outside Cone 8064 with 759F (2) ....
759F	423	Thread (under) Spool Spindle Outside Cone Thumb Screw .....
10149	416	Thread (under) Take-up Spring ....
10145	421	" " Thread Guide .....
10137	416	" (upper) Nipper Arm .....
77D	1797	" " " " Hinge Screw .....
1821	421	Thread (upper) Nipper Arm Roller and Stud .....
10567	418	Thread (upper) Nipper Cam with 435c .....
3012	421	Thread (upper) Nipper Cam Pin ..
435c	1797	" " " " Set Screw .....
8800	421	Thread (upper) Nipper Disc (2) ...
1645E	1797	" " " " Regulating Thumb Nut .....
1547D	423	Thread (upper) Nipper Disc Regulating Thumb Nut Lock Nut ....
1153c	1797	Thread (upper) Nipper Disc Screw Stud .....
1547D	423	Thread (upper) Nipper Disc Screw Stud Nut .....
10140	416	Thread (upper) Nipper Lever .....
49F	1797	" " " " Screw .....
10141	421	" " " " Spring .....
10568	416	" " " Link .....
488D	419	" " Spool Spindle, 3½ in. long .....
10111	421	Thread (upper) Spool Spindle Inside Cone .....
10112	421	Thread (upper) Spool Spindle Inside Cone Spring .....
8064	---	Thread (upper) Spool Spindle Outside Cone .....
8039	416	Thread (upper) Spool Spindle Outside Cone 8064 with 759F .....
759F	423	Thread (upper) Spool Spindle Outside Cone Thumb Screw .....
10151	416	Thread (upper) Take-up Spring ...
236F	423	" " " " Screw .....

## LIST OF PARTS COMPLETE

FOR

## MACHINE No. 23-22

HAS CUTTING AND STRAIGHT BARRING ATTACH-  
MENT AND AUTOMATIC STOP

For Cloth

Makes Buttonholes  $\frac{1}{2}$  to  $1\frac{1}{2}$  in. long, without change  
of Feed Wheel

No.	Plate	Name
*10890	—	Arm with 771D and 10008 .....
8582	421	" Dowel Pin (2) .....
118E	1797	" Screw (3) .....
10002	417	" Shaft (horizontal) .....
18820	1784	" " " Gear with 453c .....
2117	421	" " " " Pin .....
453c	423	" " " " Set Screw .....
144D	1797	" " " " Screw .....
10005	417	" " (upright) .....
18821	1784	" " " Gear with 453c ..
2117	421	" " " " Pin .....
453c	423	" " " " Set Screw ..
*10008	—	" Side Plate .....
771D	1797	" " " Thumb Screw .....
10987	4793	Barring Feed Wheel Lever Brake Lever with 10035 .....
90D	4791	Barring Feed Wheel Lever Brake Lever Hinge Screw .....
1963	4791	Barring Feed Wheel Lever Brake Lever Releasing Roller and Stud ..
18888	—	Barring Feed Wheel Lever Brake Lever Spring .....
10035	421	Barring Feed Wheel Lever Brake Lever Spring Hook .....
10988	4791	Barring Feed Wheel Lever Brake Lever Stop Bracket with 10251 ..
404D	4791	Barring Feed Wheel Lever Brake Lever Stop Bracket Screw (2) ..
10217	418	Barring Lever .....
10218	420	" " Cap .....
176D	423	" " " Screw (2) .....
10219	420	" " Clutch .....

No.	Plate	Name
10220	420	Barring Lever Clutch Lever .....
100D	423	" " " " Hinge Screw .....
10222	420	Barring Lever Clutch Lever Yielding Connection with 10251 .....
91F	423	Barring Lever Clutch Lever Yielding Connection Guide Screw .....
106D	423	Barring Lever Clutch Lever Yielding Connection Hinge Screw .....
10223	423	Barring Lever Clutch Lever Yielding Connection Spring .....
10251	423	Barring Lever Clutch Lever Yielding Connection Spring Hook .....
233D	423	Barring Lever Clutch Lever Yielding Connection Spring Screw .....
*10989	—	Bed .....
18811	4789	" Plate with 18646, 18647 and four 405E .....
18812	—	Bed Plate 18811 with 18797, 18798 and four 231c .....
18763	—	Bed Plate complete, Nos. 10024, 10306, 10637, 18812 and three 405E ..
10637	4792	Bed Plate Button .....
405E	423	" " " " Screw .....
10306	418	" " " " Slide .....
10307	418	" " " " Connection with 10136 .....
10309	421	Bed Plate Button Slide Connection Spring .....
10136	421	Bed Plate Button Slide Connection Spring Hook (2) .....
214D	1797	Bed Plate Button Slide Connection Stop Screw .....
10020	416	Bed Plate Clamp Guide Slide with 1827 .....
10021	416	Bed Plate Clamp Guide Slide Guide ..
399F	423	" " " " " " " Screw .....
1827	421	Bed Plate Clamp Guide Slide Roller and Stud .....
10023	416	Bed Plate Clamp Guide Slide Spring ..
10022	421	" " " " " " " Stop Stud .....
10024	416	Bed Plate Clamp Guide complete, Nos. 10020, 10022, 10023, two 10021 and four 399F .....
18797	4792	Bed Plate Clamp Stop (left) with 18752 .....
18798	4792	Bed Plate Clamp Stop (right) with 18752 .....



No.	Plate	Name
231C	1797	Bed Plate Clamp Stop Screw .....
18752	—	“ “ “ “ Stud .....
10461	421	“ “ Dowel Pin .....
18646	4793	“ “ Protector (left) .....
18647	4793	“ “ “ (right) .....
405E	423	“ “ “ Screw .....
389F	423	“ “ Screw (4) .....
1071C	4791	Clamp Adjusting Screw .....
1518E	423	“ “ “ Nut .....
10818	419	“ Arm (lower, left) .....
10817	419	“ “ (lower, right) .....
10820	419	“ “ (lower) Front Guide (left) .....
10819	419	Clamp Arm (lower) Front Guide (right) .....
10157	421	Clamp Arm (lower) Front Guide Dowel Pin .....
402D	423	Clamp Arm (lower) Front Guide Screw .....
10159	419	Clamp Arm (lower) Rear Guide (left) .....
10161	423	Clamp Arm (lower) Rear Guide (left) Rivet .....
10158	419	Clamp Arm (lower) Rear Guide (right) .....
10160	421	Clamp Arm (lower) Rear Guide (right) Rivet .....
10823	419	Clamp Arm (upper, left) with 10165
10822	419	“ “ (upper, right) with 10165
10164	419	“ “ (upper) Adjusting Slide
247F	423	“ “ “ “ “ Screw .....
10165	421	Clamp Arm (upper) Adjusting Slide Steady Pin .....
10170	419	Clamp Arm (upper) Connecting Yoke
10171	419	“ “ “ “ “ Link with two 220D .....
220D	423	Clamp Arm (upper) Connecting Yoke Link Screw .....
10172	419	Clamp Arm (upper) Hinge .....
10173	423	“ “ “ “ Pin .....
176D	423	“ “ “ Screw .....
10195	4792	“ “ “ Spring .....
10174	419	“ “ Spreader .....
10821	418	“ “ “ Lever .....
99E	423	“ “ “ “ Hinge Screw .....
10176	419	Clamp Arm Spreader Link .....
105D	423	“ “ “ “ Hinge Screw .....

No.	Plate	Name
109D	423	Clamp Arm Spreader Screw .....
10825	419	“ Check (left), 1½ inch .....
18559	4790	“ “ (right), 1½ inch .....
10157	421	“ “ Hinge Pin .....
10177	419	“ Crank Shaft .....
10179	419	“ “ “ Bracket (left) ..
10178	419	“ “ “ “ (right) ...
397E	423	“ “ “ “ Screw (large) .....
223E	423	Clamp Crank Shaft Bracket Screw (small) .....
10180	419	Clamp Crank Shaft Lever .....
10181	423	“ “ “ “ Pin .....
10182	419	“ Guide Pin .....
10183	419	“ “ “ Lifter .....
103D	423	“ “ “ “ Hinge Screw ..
10184	419	“ “ “ “ Spring .....
233D	423	“ “ “ “ “ Screw ..
10157	421	“ “ “ “ Stop Pin ....
10185	419	“ “ “ Post .....
10828	4787	“ Plate .....
10187	423	“ Thread Catch .....
240D	423	“ “ “ Screw .....
18560	—	Clamp, 1½ in., complete, Nos. 99E, 103D, 105D, 109D, 233D, 240D, 10158, 10159, 10170, 10171, 10174, 10176 to 10185, 10187, 10817 to 10823, 10825, 10828, 18559, two each 176D, 223E, 247F, 397E, 402D, 10160, 10161, 10164, 10172, 10173, 10195 and five 10157 .....
18548	422	Cutting Block (brass), ½ inch .....
10469	422	“ “ “ “ ¾ inch .....
10502	422	“ “ “ “ ⅞ inch .....
10470	422	“ “ “ “ 1 inch .....
10471	422	“ “ “ “ 1½ inch .....
10472	422	“ “ “ “ 1¾ inch .....
10473	422	“ “ “ “ 1⅞ inch .....
10474	422	“ “ “ “ 1½ inch .....
10452	417	“ “ “ Arm .....
10453	422	“ “ “ Ratchet Wheel ..
10454	422	“ “ “ “ “ Re- taining Spring Latch .....
159D	423	Cutting Block Arm Ratchet Wheel Retaining Spring Latch Screw ..
304C	1797	Cutting Block Arm Screw Center (2)
1513E	423	“ “ “ “ “ Nut (2) .....
10455	418	Cutting Block Arm Spring .....
444F	423	“ “ Set Screw (2) .....

No.	Plate	Name
10229	417	Driving and Stop Motion Balance Wheel with two 445c .....
445c	423	Driving and Stop Motion Balance Wheel Set Screw .....
10230	418	Driving and Stop Motion Connecting Rod .....
10232	—	Driving and Stop Motion Connecting Rod 10230 with 10231 .....
10231	420	Driving and Stop Motion Connecting Rod Head .....
38D	1797	Driving and Stop Motion Connecting Rod Head Hinge Screw .....
10233	420	Driving and Stop Motion Connecting Rod Link .....
57c	1797	Driving and Stop Motion Connecting Rod Link Hinge Screw .....
10235	417	Driving and Stop Motion Friction Pulley with 10236 .....
10236	420	Driving and Stop Motion Friction Pulley Center Bearing .....
10238	417	Driving and Stop Motion Friction Pulley Washer (paper) .....
10239	417	Driving and Stop Motion Lever with 10556 .....
124F	1797	Driving and Stop Motion Lever Adjusting Screw (2) .....
1518E	423	Driving and Stop Motion Lever Adjusting Screw Nut (2) .....
10240	417	Driving and Stop Motion Lever Bracket .....
355D	1797	Driving and Stop Motion Lever Bracket Screw (2) .....
9263	423	Driving and Stop Motion Lever Bracket Screw Washer (2) .....
10241	4793	Driving and Stop Motion Lever Friction Pad (leather) .....
401E	423	Driving and Stop Motion Lever Friction Pad Screw (4) .....
150D	1797	Driving and Stop Motion Lever Screw .....
10243	420	Driving and Stop Motion Lever Screw Washer .....
10242	420	Driving and Stop Motion Lever Spring .....
10556	4792	Driving and Stop Motion Lever Spring Pin .....
159D	423	Driving and Stop Motion Lever Spring Screw .....
6312	423	Driving and Stop Motion Lever Spring Screw Washer .....

No.	Plate	Name
10245	420	Driving and Stop Motion Ratchet Lever with 1823 and 10251 .....
196D	1797	Driving and Stop Motion Ratchet Lever Adjusting Screw .....
63D	1797	Driving and Stop Motion Ratchet Lever Hinge Screw .....
10247	420	Driving and Stop Motion Ratchet Lever Pawl with 10248 .....
100D	423	Driving and Stop Motion Ratchet Lever Pawl Hinge Screw .....
10248	423	Driving and Stop Motion Ratchet Lever Pawl Pin .....
10249	420	Driving and Stop Motion Ratchet Lever Pawl Spring .....
236E	423	Driving and Stop Motion Ratchet Lever Pawl Spring Screw .....
10993	4793	Driving and Stop Motion Ratchet Lever Pawl Stop .....
10994	4793	Driving and Stop Motion Ratchet Lever Pawl Stop Lever .....
77D	1797	Driving and Stop Motion Ratchet Lever Pawl Stop Lever Hinge Screw .....
10995	4793	Driving and Stop Motion Ratchet Lever Pawl Stop Lever Hinge Screw Stud .....
10996	4793	Driving and Stop Motion Ratchet Lever Pawl Stop Lever Lifting Lever .....
10309	421	Driving and Stop Motion Ratchet Lever Pawl Stop Lever Lifting Lever Spring .....
10251	423	Driving and Stop Motion Ratchet Lever Pawl Stop Lever Lifting Lever Spring Hook .....
10997	4791	Driving and Stop Motion Ratchet Lever Pawl Stop Lever Lifting Lever Washer .....
402D	423	Driving and Stop Motion Ratchet Lever Pawl Stop Lever Lifting Lever Washer Screw .....
190D	4791	Driving and Stop Motion Ratchet Lever Pawl Stop Screw (2) .....
1823	423	Driving and Stop Motion Ratchet Lever Roller and Stud .....
5569	416	Driving and Stop Motion Ratchet Lever Spring .....
10251	423	Driving and Stop Motion Ratchet Lever Spring Hook .....

No.	Plate	Name
10582	418	Driving and Stop Motion Starting Lever .....
52c	1797	Driving and Stop Motion Starting Lever Hinge Screw .....
10998	4793	Driving and Stop Motion Tripping Lever with 1963, 10251 and 10257
10255	420	Driving and Stop Motion Tripping Lever Catch .....
106D	423	Driving and Stop Motion Tripping Lever Catch Hinge Screw .....
10223	423	Driving and Stop Motion Tripping Lever Catch Spring .....
233D	423	Driving and Stop Motion Tripping Lever Catch Spring Screw .....
901E	4791	Driving and Stop Motion Tripping Lever Screw Stud .....
10256	420	Driving and Stop Motion Tripping Lever Spring .....
10257	423	Driving and Stop Motion Tripping Lever Spring Pin .....
10026	4787	Face Plate .....
176D	423	" " Screw (3) .....
10152	421	" " Thread Guide .....
10028	417	Feed Driving Bell Crank Lever with 1805 .....
2D	416	Feed Driving Bell Crank Lever Hinge Screw .....
1805	421	Feed Driving Bell Crank Lever Roller and Stud .....
10370	417	Feed and Looper Cam with two 445c
445c	423	" " " " Set Screw ..
10261	4792	" Hand Ratchet Lever .....
10262	4792	" " " " Handle ..
52c	1797	" " " " Hinge Screw .....
18793	---	Feed Hand Ratchet Pawl with 18791
10034	421	" " " " Hinge Stud
5569	416	" " " " Spring ...
18791	4791	" " " " " Hook
10061	4792	" " " " " Pin, for Bed .....
11000	----	Feed Hand Ratchet complete, Nos. 10034, 10261, 10262 and 18793 ....
10041	416	Feed Regulator (long) .....
10558	416	" " (reverse) .....
176D	423	" " Screw (2) .....
18894	----	" Shipper Lever with 1814, for buttonholes from $\frac{1}{2}$ to $1\frac{1}{4}$ in. long
10477	418	Feed Shipper Lever with 1814, for buttonholes $1\frac{1}{8}$ and $1\frac{1}{4}$ in. long ..

No.	Plate	Name
71D	1797	Feed Shipper Lever Hinge Screw..
1814	421	" " " Roller and Stud
18565	---	" Wheel with 10524, 10964, 10965, 18566, 18567, four each 207c and 401E, for $\frac{1}{2}$ to $1\frac{1}{2}$ in. buttonholes..
10059	416	Feed Wheel Brake Dog with 10060
5569	416	" " " " Spring ...
10035	421	" " " " " Hook
10060	421	" " " " " Stud .....
10964	---	" " Cam Groove Protector, $1\frac{1}{2}$ in. (inside), for 18565 .....
10965	---	Feed Wheel Cam Groove Protector, $1\frac{1}{2}$ in. (outside), for 18565 .....
401E	423	Feed Wheel Cam Groove Protector Screw (long) .....
18564	---	Feed Wheel Driving Lever with 129E
129E	4791	" " " " Adjusting Screw .....
10063	416	Feed Wheel Driving Lever Block
357E	1797	" " " " " Adjusting Screw .....
1520E	420	Feed Wheel Driving Lever Block Adjusting Screw Nut .....
8734	416	Feed Wheel Driving Lever Spring
10061	4792	" " " " " Pin .....
429C	1797	Feed Wheel Driving Lever Supporting Screw .....
1513E	423	Feed Wheel Driving Lever Supporting Screw Nut .....
18503	4793	Feed Wheel Friction Block .....
10030	416	" " " " Spring ..
430C	1797	" " " " " Adjusting Screw .....
1520E	421	Feed Wheel Friction Block Spring Adjusting Screw Nut .....
10524	---	Feed Wheel Latch, $1\frac{1}{2}$ inch .....
18566	4793	" " Tripping Point, for $\frac{1}{2}$ in. buttonhole .....
18567	4793	Feed Wheel Tripping Point, for $\frac{3}{4}$ to $1\frac{1}{2}$ in. buttonholes .....
207C	4791	Feed Wheel Tripping Point Screw..
10535	---	Knife, $1\frac{1}{2}$ in. (large size eye) .....
10551	418	" Holder with 209F and two 10556 .....
10552	422	Knife Holder Adjusting Collar with 453C .....
453C	422	Knife Holder Adjusting Collar Set Screw .....

No.	Plate	Name
10553	422	Knife Holder Connecting Link ....
72D	423	" " " " Hinge Screw .....
10554	421	Knife Holder Connecting Link Pin..
10555	418	" " Hinge Pin .....
450C	423	" " " " Set Screw (2)
10560	417	" " Lifting Rock Shaft ....
10561	418	" " " " " Con- necting Link .....
10562	421	Knife Holder Lifting Rock Shaft Connecting Link Pin (2) .....
293C	420	Knife Holder Lifting Rock Shaft Screw Center (2) .....
1501E	420	Knife Holder Lifting Rock Shaft Screw Center Nut (2) .....
10556	4792	Knife Position Pin .....
209F	423	" Set Screw .....
10371	423	Looper (long) .....
10372	423	" (short) .....
10373	420	" Carrier .....
10122	418	" " Bracket .....
7958	4791	" " " Dowel Pin .....
130D	1797	" " " Screw .....
10123	416	" " Crank .....
7958	4791	" " " Pin .....
209F	423	" " " Set Screw .....
10374	423	" " Needle Guard .....
233D	423	" " " " Screw ...
2077	4791	" " Pin .....
10127	4787	" " Pitman .....
378C	1797	" " " Hinge Screw (2).
1520E	421	" " " " " Nut (2) .....
10130	416	Looper Carrier Shaft .....
10129	417	" Driving Bell Crank with 1807
2D	416	" " " " Hinge Screw
1807	421	" " " " Roller and Stud .....
224F	423	Looper Screw (2) .....
10088	4787	Needle Bar .....
10089	4787	Needle Bar complete, Nos. 10088, 10096, 10108 and 10110 .....
10091	416	Needle Bar Connecting Link with <b>two 390c</b> .....
390C	423	Needle Bar Connecting Link Adjust- ing Screw .....
29C	1797	Needle Bar Connecting Link Hinge Screw .....
7548	—	Needle Bar Connecting Stud .....

No.	Plate	Name
7448	416	Needle Bar Connecting Stud 7548 with 155c .....
155c	4791	Needle Bar Connecting Stud Set Screw .....
10557	4787	Needle Bar Frame .....
10897	—	" " " Bell Crank with 1813 .....
1813	421	Needle Bar Frame Bell Crank Roller and Stud .....
307C	1797	Needle Bar Frame Bell Crank Screw Center (2) .....
1513E	423	Needle Bar Frame Bell Crank Screw Center Nut (2) .....
10101	416	Needle Bar Frame Cam with two 445c .....
445C	423	Needle Bar Frame Cam Set Screw..
10103	4787	" " " Connecting Rod with 390c .....
390C	423	Needle Bar Frame Connecting Rod Adjusting Screw .....
10104	421	Needle Bar Frame Connecting Rod Ball .....
147C	1797	Needle Bar Frame Connecting Rod Ball Screw .....
37E	1797	Needle Bar Frame Regulating Screw Stud .....
1514C	423	Needle Bar Frame Regulating Screw Stud Nut .....
307C	1797	Needle Bar Frame Screw Center (lower) .....
306C	1797	Needle Bar Frame Screw Center (upper) .....
1513E	423	Needle Bar Frame Screw Center Nut (2) .....
18876	—	Needle Bar Packing Cord (2) .....
290E	1797	" " Screw Bushing (2) ....
10093	416	" " Thread Take-up with 10114 .....
10094	421	Needle Bar Thread Take-up Roller
10095	421	" " " " " "
		Cap .....
233D	423	Needle Bar Thread Take-up Roller Cap Screw .....
10114	421	Needle Bar Thread Take-up Roller Pin .....
209F	423	Needle Bar Thread Take-up Set Screw .....
10096	416	Needle Bar Thread Take-up com- plete, Nos. 209F, 233D and 10093 to 10095 .....

No.	Plate	Name
10105	421	Needle Clamp .....
10106	421	" " Disc .....
10107	421	" " Spring .....
93H	423	" " " " Screw .....
10108	421	" " Gib .....
209F	423	" " Set Screw .....
10109	421	" " Thread Guide .....
665D	1797	" " " " Screw ..
10110	421	Needle Clamp complete, Nos. 93H, 209F, 665D, 10105, 10107, 10109 and two 10106 .....
10378	423	Spreader (left) with 110c .....
10376	423	" (right) with 110c .....
10382	423	" Cam (left) .....
10381	423	" " (right) .....
10383	423	" " Adjusting Slide (2) ...
185H	1797	" " " " Screw (2)
228D	423	" " Screw (2) .....
110c	423	" Hinge Screw .....
10223	423	" Spring (2) .....
229D	423	" " Screw (2) .....
2102	416	Tension (under thread) Disc (2) ..
1560c	421	" " " " Regulating Thumb Nut .....
50021D	---	Tension (under thread) Screw Stud
10148	421	" " " Spring .....
10145	421	" " " Thread Guide
10144	4787	" (upper thread) and Spool Bracket .....
10146	---	Tension (upper thread) and Spool Bracket complete, Nos. 415D, 488D, 1560c, 2103, 8039, 10111, 10112, 10144, 10145 and two 2102 .....
159D	423	Tension (upper thread) and Spool Bracket Screw (2) .....
2102	416	Tension (upper thread) Disc .....
1560c	421	" " " " Regulating Thumb Nut .....
2103	421	Tension (upper thread) Spring ....
415D	1797	" " " Stud .....
10145	421	" " " Thread Guide
10150	416	Thread (under) Cord Guide .....
333D	423	" " " " Screw..
10147	4787	" " Spool Bracket .....
159D	423	" " " " Screw (2)
488D	419	" " " Spindle, 3½ in. long .....
487D	419	Thread (under) Spool Spindle, 4 in. long .....

No.	Plate	Name
10111	421	Thread (under) Spool Spindle Inside Cone (2) .....
10112	421	Thread (under) Spool Spindle Inside Cone Spring (2) .....
8064	---	Thread (under) Spool Spindle Out- side Cone .....
8039	416	Thread (under) Spool Spindle Out- side Cone 8064 with 759F (2) ...
759F	423	Thread (under) Spool Spindle Out- side Cone Thumb Screw .....
10149	416	Thread (under) Take-up Spring ...
10145	421	" " Thread Guide .....
10137	416	" (upper) Nipper Arm .....
77D	1797	" " " " Hinge Screw .....
1821	421	Thread (upper) Nipper Arm Roller and Stud .....
10139	418	Thread (upper) Nipper Cam with 435c .....
3012	421	Thread (upper) Nipper Cam Pin ..
435c	1797	" " " " Set Screw .....
8800	421	Thread (upper) Nipper Disc (2) ..
1645E	1797	" " " " Regu- lating Thumb Nut .....
1547D	423	Thread (upper) Nipper Disc Regu- lating Thumb Nut Lock Nut ....
1153c	1797	Thread (upper) Nipper Disc Screw Stud .....
1547D	423	Thread (upper) Nipper Disc Screw Stud Nut .....
10140	416	Thread (upper) Nipper Lever .....
49F	1797	" " " " Screw
10141	421	" " " " Spring
10142	416	" " " Link .....
488D	419	" " Spool Spindle, 3½ in. long .....
10111	421	Thread (upper) Spool Spindle Inside Cone .....
10112	421	Thread (upper) Spool Spindle Inside Cone Spring .....
8064	---	Thread (upper) Spool Spindle Out- side Cone .....
8039	416	Thread (upper) Spool Spindle Out- side Cone 8064 with 759F .....
759F	423	Thread (upper) Spool Spindle Out- side Cone Thumb Screw .....
10151	416	Thread (upper) Take-up Spring ....
236F	423	" " " " Screw

**LIST OF PARTS COMPLETE**  
FOR  
**MACHINE No. 23-30**

HAS CUTTING ATTACHMENT

For Cloth

Makes Imitation Hand Made, Narrow Bight Buttonholes  
 $\frac{1}{2}$  to  $1\frac{1}{2}$  inches long

No.	Plate	Name
*10451	—	Arm with 771D and 10008 .....
8582	421	" Dowel Pin (2) .....
118E	1797	" Screw (3) .....
10002	417	" Shaft (horizontal) .....
18820	1784	" " " Gear with 453c .....
2117	421	" " " " Pin .....
453c	423	" " " " Set Screw .....
144D	1797	" " " " Screw .....
10005	417	" " (upright) .....
18821	1784	" " " Gear with 453c ..
2117	421	" " " " Pin .....
453c	423	" " " " Set Screw ..
*10008	—	" Side Plate .....
771D	1797	" " " Thumb Screw .....
10010	4787	Balance Wheel, 2 $\frac{1}{4}$ in. pulley, with two 448c .....
448c	423	Balance Wheel Set Screw .....
*10456	—	Bed .....
18801	—	" Plate with 18620, 18621 and four 405E, for $\frac{1}{2}$ to 1 in. buttonholes ..
18802	—	Bed Plate 18801 with 18797, 18798 and four 231c .....
18839	—	Bed Plate complete, for $\frac{1}{2}$ to 1 in. buttonholes, Nos. 10024, 10134, 18802, 18837, 18846, two each 10135, 10136 and three 405E .....
18799	4789	Bed Plate with two 18619 and four 405E, for $1\frac{1}{8}$ to $1\frac{1}{2}$ in. buttonholes
18800	—	Bed Plate 18799 with 18797, 18798 and four 231c .....
18838	—	Bed Plate complete, for $1\frac{1}{8}$ to $1\frac{1}{2}$ in. buttonholes, Nos. 10024, 10134, 18800, 18837, 18846, two each 10135, 10136 and three 405E .....

No.	Plate	Name
18837	4792	Bed Plate Button with 240D and 664D
405E	423	" " " Screw .....
10020	416	" " Clamp Guide Slide with 1827 .....
10021	416	Bed Plate Clamp Guide Slide Guide
399F	423	" " " " " " " Screw .....
1827	421	Bed Plate Clamp Guide Slide Roller and Stud .....
10023	416	Bed Plate Clamp Guide Slide Spring
10022	421	" " " " " " " Stop Stud .....
10024	416	Bed Plate Clamp Guide complete, Nos. 10020, 10022, 10023, two 10021 and four 399F .....
18797	4792	Bed Plate Clamp Stop (left) with 18752 .....
18798	4792	Bed Plate Clamp Stop (right) with 18752 .....
231c	1797	Bed Plate Clamp Stop Screw .....
18752	—	" " " " Stud .....
10461	421	" " Dowel Pin (2) .....
18620	4793	" " Protector (left), for $\frac{1}{2}$ to 1 in. buttonholes .....
18621	4793	Bed Plate Protector (right), for $\frac{1}{2}$ to 1 in. buttonholes .....
18619	4793	Bed Plate Protector, for $1\frac{1}{8}$ to $1\frac{1}{2}$ in. buttonholes .....
405E	423	Bed Plate Protector Screw .....
389F	423	" " Screw (4) .....
10818	419	Clamp Arm (lower, left) .....
10817	419	" " (lower, right) .....
10820	419	" " (lower) Front Guide (left) .....
10819	419	Clamp Arm (lower) Front Guide (right) .....
10157	421	Clamp Arm (lower) Front Guide Dowel Pin .....
402D	423	Clamp Arm (lower) Front Guide Screw .....
10159	419	Clamp Arm (lower) Rear Guide (left) .....
10161	423	Clamp Arm (lower) Rear Guide (left) Rivet .....
10158	419	Clamp Arm (lower) Rear Guide (right) .....
10160	421	Clamp Arm (lower) Rear Guide (right) Rivet .....

No.	Plate	Name
10823	419	Clamp Arm (upper, left) with 10165
10822	419	" " (upper, right) with 10165
10164	419	" " (upper) Adjusting Slide
247F	423	" " " " " "
		Screw .....
10165	421	Clamp Arm (upper) Adjusting Slide
		Steady Pin .....
10170	419	Clamp Arm (upper) Connecting Yoke
10171	419	" " " " " "
		Link with two 220D .....
220D	423	Clamp Arm (upper) Connecting Yoke
		Link Screw .....
10172	419	Clamp Arm (upper) Hinge .....
10173	423	" " " " Pin .....
176D	423	" " " " Screw .....
10195	4792	" " " " Spring .....
10174	419	" " " " Spreader .....
10821	418	" " " " Lever .....
99E	423	" " " " Hinge Screw
10176	419	" " " " Link .....
105D	423	" " " " Hinge Screw
109D	423	" " " " Screw .....
10827	4790	" Check (left), 1 1/4 inch .....
10826	4790	" " (right), 1 1/4 inch .....
10825	419	" " (left), 1 1/2 inch .....
10824	419	" " (right), 1 1/2 inch .....
10157	421	" " Hinge Pin .....
10177	419	" Crank Shaft .....
10179	419	" " " " Bracket (left) ...
10178	419	" " " " " " (right) ...
397E	423	" " " " " " Screw
		(large) .....
223E	423	Clamp Crank Shaft Bracket Screw
		(small) .....
10180	419	Clamp Crank Shaft Lever .....
10181	423	" " " " Pin .....
10182	419	" Guide Pin .....
10183	419	" " " " Lifter .....
103D	423	" " " " Hinge Screw
10184	419	" " " " Spring .....
233D	423	" " " " " " Screw ..
10157	421	" " " " Stop Pin ....
10185	419	" " " " Post .....
18840	4795	" Plate .....
10187	423	" Thread Catch .....
240D	423	" " " " Screw .....

No.	Plate	Name
18841	—	Clamp, 1 1/4 in., complete, Nos. 99E, 103D, 105D, 109D, 233D, 240D, 10158, 10159, 10170, 10171, 10174, 10176 to 10185, 10187, 10817 to 10823, 10826, 10827, 18840, two each 176D, 223E, 247F, 397E, 402D, 10160, 10161, 10164, 10172, 10173, 10195 and five 10157 .....
18842	—	Clamp, 1 1/4 in., complete, Nos. 99E, 103D, 105D, 109D, 233D, 240D, 10158, 10159, 10170, 10171, 10174, 10176 to 10185, 10187, 10817 to 10825, 18840, two each 176D, 223E, 247F, 397E, 402D, 10160, 10161, 10164, 10172, 10173, 10195 and five 10157 .....
18548	422	Cutting Block (brass), 1/2 in., for 10551 .....
18750	4791	Cutting Block (brass), 3/4 in., for 10632 .....
18751	4791	Cutting Block (brass), 3/8 in., for 10632 .....
10464	422	Cutting Block (brass), 5/8 in., for 10547 .....
10465	422	Cutting Block (brass), 3/4 in., for 10547 .....
10469	422	Cutting Block (brass), 3/4 in., for 10551 .....
10466	422	Cutting Block (brass), 3/8 in., for 10549 .....
10502	422	Cutting Block (brass), 3/8 in., for 10551 .....
10467	422	Cutting Block (brass), 1 in., for 10549 .....
10470	422	Cutting Block (brass), 1 in., for 10551 .....
10471	422	Cutting Block (brass), 1 1/8 in., for 10551 .....
10472	422	Cutting Block (brass), 1 1/4 in., for 10551 .....
10473	422	Cutting Block (brass), 1 3/8 in., for 10551 .....
10474	422	Cutting Block (brass), 1 1/2 in., for 10551 .....
10452	417	Cutting Block Arm .....
10453	422	" " " " Ratchet Wheel
10454	422	" " " " " " " "
		Retaining Spring Latch .....
159D	423	Cutting Block Arm Ratchet Wheel
		Retaining Spring Latch Screw ..

No.	Plate	Name
304c	1797	Cutting Block Arm Screw Center (2)
1513E	423	" " " " " Nut (2) .....
10455	418	Cutting Block Arm Spring .....
444F	423	" " Set Screw (2) .....
18576	4793	Eye Stop .....
10893	4793	" " .....
1071c	1797	" " Adjusting Screw .....
1518E	423	" " " " Nut .....
10026	4787	Face Plate .....
176D	423	" " Screw (3) .....
10152	421	" " Thread Guide .....
10028	417	Feed Driving Bell Crank Lever with 1805 .....
2D	416	Feed Driving Bell Crank Lever Hinge Screw .....
1805	421	Feed Driving Bell Crank Lever Roller and Stud .....
10031	418	Feed Hand Ratchet Lever .....
10032	416	" " " " Handle ..
52c	1797	" " " " Hinge Screw .....
18790	4792	Feed Hand Ratchet Pawl with 18791
10034	421	" " " " Hinge Stud
5569	416	" " " " Spring ...
18791	4791	" " " " " Hook
10061	4792	" " " " " Pin, for Bed .....
10036	418	Feed Hand Ratchet complete, Nos. 10031, 10032, 10034 and 18790 ...
10038	417	Feed and Looper Cam with two 445c
445c	423	" " " " Set Screw ..
10041	416	" Regulator (long) .....
10558	416	" " (reverse) .....
10559	416	" " (short) .....
176D	423	" " Screw (2) .....
18894	---	" Shipper Lever with 1814, for buttonholes from $\frac{1}{2}$ to $1\frac{1}{4}$ in. long
10477	418	Feed Shipper Lever with 1814, for buttonholes $1\frac{3}{8}$ and $1\frac{1}{2}$ in. long ..
71D	1797	Feed Shipper Lever Hinge Screw ..
1814	421	" " " Roller and Stud
10479	---	" Wheel with 10081, 10504, 10505, two each 401E and 756E, for $\frac{1}{2}$ in. buttonhole .....
10481	---	Feed Wheel with 10082, 10506, 10507, two each 401E and 756E, for $\frac{3}{8}$ in. buttonhole .....

No.	Plate	Name
10483	---	Feed Wheel with 10083, 10508, 10509, two each 401E and 756E, for $\frac{5}{8}$ in. buttonhole .....
10485	---	Feed Wheel with 756E, 10084, 10510, 10511 and three 401E, for $1\frac{1}{8}$ in. buttonhole .....
10487	---	Feed Wheel with 756E, 10085, 10512, 10513 and three 401E, for $\frac{3}{4}$ in. buttonhole .....
10489	---	Feed Wheel with 10086, 10514, 10515 and four 401E, for $\frac{5}{8}$ in. buttonhole
10491	---	Feed Wheel with 756E, 10087, 10516, 10517 and three 401E, for 1 in. buttonhole .....
18506	---	Feed Wheel with 10520, 18507, 18508, two each 401E and 756E, for $1\frac{1}{8}$ in. buttonhole .....
10495	---	Feed Wheel with 401E, 10518, 10519, 10521 and three 756E, for $1\frac{1}{8}$ in. buttonhole .....
10957	417	Feed Wheel with 401E, 10962, 10963, 10967 and three 756E, for $1\frac{1}{4}$ in. buttonhole .....
18569	---	Feed Wheel with 10523, 18570, 18571, two each 401E and 756E, for $1\frac{3}{8}$ in. buttonhole .....
10958	---	Feed Wheel with 10524, 10964, 10965 and four 401E, for $1\frac{1}{2}$ in. buttonhole
10059	416	Feed Wheel Brake Dog with 10060
5569	416	" " " " Spring ...
10035	421	" " " " " Hook
10060	421	" " " " Stud .....
10504	420	" " Cam Groove Protector, $\frac{1}{2}$ in. (inside), for 10479 .....
10505	420	Feed Wheel Cam Groove Protector, $\frac{1}{2}$ in. (outside), for 10479 .....
10506	---	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (inside), for 10481 .....
10507	---	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (outside), for 10481 .....
10508	---	Feed Wheel Cam Groove Protector, $\frac{5}{8}$ in. (inside), for 10483 .....
10509	---	Feed Wheel Cam Groove Protector, $\frac{5}{8}$ in. (outside), for 10483 .....
10510	---	Feed Wheel Cam Groove Protector, $1\frac{1}{8}$ in. (inside), for 10485 .....
10511	---	Feed Wheel Cam Groove Protector, $1\frac{1}{8}$ in. (outside), for 10485 .....
10512	---	Feed Wheel Cam Groove Protector, $\frac{3}{4}$ in. (inside), for 10487 .....



No.	Plate	Name
10513	—	Feed Wheel Cam Groove Protector, $\frac{3}{4}$ in. (outside), for 10487 .....
10514	—	Feed Wheel Cam Groove Protector, $\frac{7}{8}$ in. (inside), for 10489 .....
10515	—	Feed Wheel Cam Groove Protector, $\frac{7}{8}$ in. (outside), for 10489 .....
10516	—	Feed Wheel Cam Groove Protector, 1 in. (inside), for 10491 .....
10517	—	Feed Wheel Cam Groove Protector, 1 in. (outside), for 10491 .....
18507	—	Feed Wheel Cam Groove Protector, $1\frac{1}{8}$ in. (inside), for 18506 .....
18508	—	Feed Wheel Cam Groove Protector, $1\frac{1}{8}$ in. (outside), for 18506 .....
10518	—	Feed Wheel Cam Groove Protector, $1\frac{1}{4}$ in. (inside), for 10495 .....
10519	—	Feed Wheel Cam Groove Protector, $1\frac{1}{4}$ in. (outside), for 10495 .....
10962	—	Feed Wheel Cam Groove Protector, $1\frac{1}{4}$ in. (inside), for 10957 .....
10963	—	Feed Wheel Cam Groove Protector, $1\frac{1}{4}$ in. (outside), for 10957 .....
18570	—	Feed Wheel Cam Groove Protector, $1\frac{3}{8}$ in. (inside), for 18569 .....
18571	—	Feed Wheel Cam Groove Protector, $1\frac{3}{8}$ in. (outside), for 18569 .....
10964	—	Feed Wheel Cam Groove Protector, $1\frac{1}{2}$ in. (inside), for 10958 .....
10965	—	Feed Wheel Cam Groove Protector, $1\frac{1}{2}$ in. (outside), for 10958 .....
401E	423	Feed Wheel Cam Groove Protector Screw (long) .....
756E	4791	Feed Wheel Cam Groove Protector Screw (short) .....
18563	4787	Feed Wheel Driving Lever with 129E
129E	4791	" " " " Adjusting Screw .....
10063	416	Feed Wheel Driving Lever Block
357F	1797	" " " " " " Adjusting Screw .....
1520E	421	Feed Wheel Driving Lever Block Adjusting Screw Nut .....
8734	416	Feed Wheel Driving Lever Spring
10061	4792	" " " " " " Pin .....
429C	1797	Feed Wheel Driving Lever Supporting Screw .....
1513E	423	Feed Wheel Driving Lever Supporting Screw Nut .....

No.	Plate	Name
10029	416	Feed Wheel Friction Block .....
10030	416	" " " " Spring ..
430C	1797	" " " " " " Adjusting Screw .....
1520E	421	Feed Wheel Friction Block Spring Adjusting Screw Nut .....
10081	—	Feed Wheel Latch, $\frac{1}{2}$ in., for 10479
10082	416	" " " " $\frac{3}{8}$ in., for 10481
10083	—	" " " " $\frac{5}{8}$ in., for 10483
10084	—	" " " " $\frac{1}{2}$ in., for 10485
10085	—	" " " " $\frac{3}{4}$ in., for 10487
10086	—	" " " " $\frac{3}{4}$ in., for 10489
10087	—	" " " " 1 in., for 10491
10520	—	" " " " $1\frac{1}{8}$ in., for 18506
10521	—	" " " " $1\frac{1}{2}$ in., for 10495
10967	—	" " " " $1\frac{1}{4}$ in., for 10957
10523	—	" " " " $1\frac{3}{8}$ in., for 18569
10524	—	" " " " $1\frac{1}{2}$ in., for 10958
18679	—	Knife, $\frac{1}{2}$ in. (medium size eye) ....
18680	—	" " $\frac{3}{8}$ in. (medium size eye) ....
18681	—	" " $\frac{3}{8}$ in. (medium size eye) ....
18682	—	" " $\frac{1}{2}$ in. (medium size eye) ....
18683	—	" " $\frac{3}{4}$ in. (medium size eye) ....
18684	—	" " $\frac{7}{8}$ in. (medium size eye) ....
18685	—	" " 1 in. (medium size eye) ....
18686	—	" " $1\frac{1}{8}$ in. (medium size eye) ....
18687	—	" " $1\frac{1}{4}$ in. (medium size eye) ....
18688	4791	" " $1\frac{1}{2}$ in. (medium size eye) ....
10632	1784	" Holder with 209F and two 10556, for 18679 and 18680 .....
10547	1784	Knife Holder with 209F and two 10556, for 18681 to 18683 .....
10549	418	Knife Holder with 209F and two 10556, for 18684 and 18685 .....
10551	418	Knife Holder with 209F and two 10556, for 18686 to 18688 .....
10552	422	Knife Holder Adjusting Collar with 453c .....
453C	422	Knife Holder Adjusting Collar Set Screw .....
10553	422	Knife Holder Connecting Link .....
72D	423	" " " " " " Hinge Screw .....
10554	421	Knife Holder Connecting Link Pin ..
10555	418	" " " " " " Hinge Pin .....
450C	423	" " " " " " Set Screw (2)
10560	417	" " " " " " Lifting Rock Shaft ....
10561	418	" " " " " " Connecting Link .....

No.	Plate	Name
10562	421	Knife Holder Lifting Rock Shaft Connecting Link Pin (2) .....
293C	420	Knife Holder Lifting Rock Shaft Screw Center (2) .....
1501E	420	Knife Holder Lifting Rock Shaft Screw Center Nut (2) .....
10556	4792	Knife Position Pin .....
209F	423	" Set Screw .....
18843	4791	Looper (long) .....
10119	421	" (short) .....
10121	416	" Carrier with 1824 .....
10122	418	" " Bracket .....
130D	1797	" " " Screw .....
10123	416	" " Crank .....
7958	4791	" " " Pin .....
209F	423	" " " Set Screw .....
10125	421	" " Needle Guard .....
233D	423	" " " " Screw .....
2077	4791	" " Pin .....
10127	4787	" " Pitman .....
378C	1797	" " " Hinge Screw (2)
1520E	421	" " " " " Nut (2) .....
1824	421	Looper Carrier Roller and Stud ....
10130	416	" " Shaft .....
10129	417	" Driving Bell Crank with 1807
2D	416	" " " " Hinge Screw
1807	421	" " " " Roller and Stud .....
224F	423	Looper Screw (2) .....
10088	4787	Needle Bar .....
10089	4787	Needle Bar complete, Nos. 10088, 10096, 10108 and 10110 .....
10091	416	Needle Bar Connecting Link with two 390c .....
390c	423	Needle Bar Connecting Link Adjust- ing Screw .....
29c	1797	Needle Bar Connecting Link Hinge Screw .....
7548	—	Needle Bar Connecting Stud .....
7448	416	" " " " 7548 with 155c .....
155c	4791	Needle Bar Connecting Stud Set Screw .....
10557	4797	Needle Bar Frame .....
10897	—	" " " Bell Crank with 1813 .....
1813	421	Needle Bar Frame Bell Crank Roller and Stud .....

No.	Plate	Name
307C	1797	Needle Bar Frame Bell Crank Screw Center (2) .....
1513E	423	Needle Bar Frame Bell Crank Screw Center Nut (2) .....
18826	4790	Needle Bar Frame Cam with two 445c .....
445C	423	Needle Bar Frame Cam Set Screw
10103	4787	" " " Connecting Rod with 390c .....
390C	423	Needle Bar Frame Connecting Rod Adjusting Screw .....
10104	421	Needle Bar Frame Connecting Rod Ball .....
147C	1797	Needle Bar Frame Connecting Rod Ball Screw .....
37E	1797	Needle Bar Frame Regulating Screw Stud .....
1514C	423	Needle Bar Frame Regulating Screw Stud Nut .....
307C	1797	Needle Bar Frame Screw Center (lower) .....
306C	1797	Needle Bar Frame Screw Center (upper) .....
1513E	423	Needle Bar Frame Screw Center Nut (2) .....
18876	—	Needle Bar Packing Cord (2) .....
290E	1797	" " Screw Bushing (2) ....
10093	416	" " Thread Take-up with 10114 .....
10094	421	Needle Bar Thread Take-up Roller
10095	421	" " " " " " Cap .....
233D	423	Needle Bar Thread Take-up Roller Cap Screw .....
10114	421	Needle Bar Thread Take-up Roller Pin .....
209F	423	Needle Bar Thread Take-up Set Screw .....
10096	416	Needle Bar Thread Take-up com- plete, Nos. 209F, 233D and 10093 to 10095 .....
10105	421	Needle Clamp .....
10106	421	" " Disc .....
10107	421	" " " Spring .....
93II	423	" " " " Screw ....
10108	421	" " " Gib .....
209F	423	" " " Set Screw .....
10109	421	" " " Thread Guide .....
665D	1797	" " " " Screw ..

No.	Plate	Name
10110	421	Needle Clamp complete, Nos. 93H, 209F, 665D, 10105, 10107, 10109 and two 10106 .....
10134	416	Spreader (left) with 99c and 10136
664D	4791	" " Stop Screw .....
18846	4792	" (right) with 99c and 10136..
240D	423	" " Stop Screw .....
99c	423	" Hinge Screw .....
10135	421	" Spring .....
10136	421	" Hook .....
2102	416	Tension (under thread) Disc (2) ..
1560c	421	" " " Regulating Thumb Nut .....
50021D	—	Tension (under thread) Screw Stud
10148	421	" " " Spring .....
10145	421	" " " Thread Guide
10144	421	" (upper thread) and Spool Bracket .....
10146	—	Tension (upper thread) and Spool Bracket complete, Nos. 415D, 488D, 1560c, 2103, 8039, 10111, 10112, 10144, 10145 and two 2102 .....
159D	423	Tension (upper thread) and Spool Bracket Screw (2) .....
2102	416	Tension (upper thread) Disc .....
1560c	421	" " " Regulating Thumb Nut .....
2103	421	Tension (upper thread) Spring .....
415D	1797	" " " Stud .....
10145	421	" " " Thread Guide
10150	416	Thread (under) Cord Guide .....
333D	423	" " " Screw..
10147	4787	" " Spool Bracket .....
159D	423	" " " Screw (2)
488D	419	" " " Spindle, 3½ in. long .....
487D	419	Thread (under) Spool Spindle, 4 in. long .....
10111	421	Thread (under) Spool Spindle Inside Cone (2) .....
10112	421	Thread (under) Spool Spindle Inside Cone Spring (2) .....
8064	—	Thread (under) Spool Spindle Outside Cone .....
8039	416	Thread (under) Spool Spindle Outside Cone 8039 with 759F (2) ....
18844	4791	Thread (under) Take-up Spring ...
10145	421	" " Thread Guide .....
10137	416	" (upper) Nipper Arm .....

No.	Plate	Name
77D	1797	Thread (upper) Nipper Arm Hinge Screw .....
1821	421	Thread (upper) Nipper Arm Roller and Stud .....
10567	418	Thread (upper) Nipper Cam with 435c .....
3012	421	Thread (upper) Nipper Cam Pin ..
435c	1797	" " " " " Set Screw .....
8800	421	Thread (upper) Nipper Disc .....
1645E	1797	" " " " " Regulating Thumb Nut .....
1547D	423	Thread (upper) Nipper Disc Regulating Thumb Nut Lock Nut ...
1153c	1797	Thread (upper) Nipper Disc Screw Stud .....
1547D	423	Thread (upper) Nipper Disc Screw Stud Nut .....
10140	416	Thread (upper) Nipper Lever .....
49F	1797	" " " " " Screw
10141	421	" " " " " Spring
10568	416	" " " " Link .....
488D	419	" " Spool Spindle, 3½ in. long .....
10111	421	Thread (upper) Spool Spindle Inside Cone .....
10112	421	Thread (upper) Spool Spindle Inside Cone Spring .....
8064	—	Thread (upper) Spool Spindle Outside Cone .....
8039	416	Thread (upper) Spool Spindle Outside Cone 8064 with 759F .....
759F	423	Thread (upper) Spool Spindle Outside Cone Thumb Screw .....
18845	4791	Thread (upper) Take-up Spring, for 10026 .....
236F	423	Thread (upper) Take-up Spring Screw .....

## ACCESSORIES

### FOR MACHINE NO. 23-1

No.	Plate	Name
10869	—	Cutting Punch (hand), for $\frac{5}{8}$ in. buttonhole .....
5569	416	Feed Wheel Brake Dog Spring ....
36569	—	Oiler with 36571 .....
36570	—	" 36569 filled with oil .....
36571	—	" Spout, $1\frac{3}{4}$ in. long, with 36807..
36807	—	" " Washer (leather) .....
26026	1784	Screw Driver, Nos. 120088 and 120090
*120088	—	" " Blade .....
*120090	—	" " Handle .....
10135	421	Spreader Spring (4) .....
10117	4787	Table Bracket Machine Holder (left) with two wood screws $1\frac{1}{4}$ in., No. 14, R. H. B. ....
10216	417	Table Bracket Machine Holder (right) with 10116 and three wood screws $1\frac{1}{4}$ in., No. 14, R.H.B. ....
10116	416	Table Bracket Machine Holder Pin
120340	—	Tweezers (curved) .....
10875	4787	Wrench, for 1518 and 1520 .....
10876	4787	" " 357 and 1513 .....
23 x 2	—	Needles, six, size 2 .....

### FOR MACHINE No. 23-3

Same as for 23-1 with the following exception:

10242	420	Driving and Stop Motion Lever Spring .....
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### FOR MACHINE No. 23-4

Same as for 23-1 with the following exceptions:

10223	423	Barring Lever Clutch Lever Yielding Connection Spring (2) .....
		(10135 Spreader Spring, not used)

### FOR MACHINE No. 23-9

Same as for 23-1 with the following exceptions:

No.	Plate	Name
10473	422	Cutting Block (brass), $1\frac{3}{8}$ inch .....
10535	422	Knife, $1\frac{1}{2}$ in. (large size eye) .....
10563	417	Table Bracket Machine Holder (left) with four wood screws $1\frac{1}{4}$ in., No. 14, R. H. B., in place of 10117 ..
10877	4787	Wrench, for 10453 .....
23 x 1	—	Needles, six, size 2, in place of 23x2

### FOR MACHINE No. 23-10

Same as for 23-1 with the following exceptions:

10474	422	Cutting Block (brass), $1\frac{1}{2}$ inch .....
10242	420	Driving and Stop Motion Lever Spring .....
10535	422	Knife, $1\frac{1}{2}$ inch (large size eye) ....
10563	417	Table Bracket Machine Holder (left) with four wood screws $1\frac{1}{4}$ in., No. 14, R.H.B., in place of 10117 .....
10877	4787	Wrench, for 10453 .....
23 x 1	—	Needles, six, size 2, in place of 23x2

### FOR MACHINE No. 23-11

Same as for 23-1 with the following exceptions:

10474	422	Cutting Block (brass), $1\frac{1}{2}$ in. (3) ..
10242	420	Driving and Stop Motion Lever Spring .....
10535	422	Knife, $1\frac{1}{2}$ in. (large size eye) .....
10223	423	Spreader Spring (2), in place of 10135 .....
10563	417	Table Bracket Machine Holder (left) with four wood screws $1\frac{1}{4}$ in., No. 14, R.H.B., in place of 10117 ....
10877	4787	Wrench, for 10453 .....
23 x 1	—	Needles, six, size 2, in place of 23x2

### FOR MACHINE No. 23-12

Same as for 23-1 with the following exceptions:

10473	422	Cutting Block (brass), $1\frac{3}{8}$ inch ....
10242	420	Driving and Stop Motion Lever Spring .....

No.	Plate	Name
10535	422	Knife, 1½ in. (large size eye) .....
10223	423	Spreader Spring (2), in place of 10135 .....
10563	417	Table Bracket Machine Holder (left) with two wood screws 1¼ in., No. 14, R.H.B., in place of 10117 ....
10877	4787	Wrench, for 10453 .....
23 x 1	—	Needles, six, size 2, in place of 23x2

## FOR MACHINE No. 23-16

Same as for 23-1 with the following exceptions:

18872	—	Cutting Block (brass), 1¼ inch ....
18874	—	“ “ “ 1½ inch ....
18875	—	“ “ “ 1¾ inch ....
10881	422	Knife, 2 in. (large size eye) .....
10563	417	Table Bracket Machine Holder (left) with four wood screws 1¼ in., No. 14, R.H.B., in place of 10117 ....
10877	4787	Wrench, for 10453 .....
23 x 1	—	Needles, six, size 2, in place of 23x2

## FOR MACHINE No. 23-21

Same as for 23-1 with the following exceptions:

18605	422	Cutting Block (brass), 1¾ inch ....
10881	422	Knife, 2 in. (large size eye) .....
10563	417	Table Bracket Machine Holder (left) with four wood screws 1¼ in., No. 14, R. H. B., in place of 10117 ..
10877	4787	Wrench, for 10453 .....
23 x 1	—	Needles, six, size 2, in place of 23x2

## FOR MACHINE No. 23-22

Same as for 23-1 with the following exceptions:

10469	422	Cutting Block (brass), for ¾ inch ..
10470	422	“ “ “ “ 1 inch ..
10472	422	“ “ “ “ 1¼ inch ..
10242	420	Driving and Stop Motion Lever Spring .....
10535	422	Knife, 1½ inch (large size eye) ....
10223	423	Spreader Spring (2), in place of 10135 .....
10563	417	Table Bracket Machine Holder (left) with four wood screws 1¼ in., No. 14, R.H.B., in place of 10117 ....
10877	4787	Wrench, for 10453 .....
23 x 1	—	Needles, six, size 2, in place of 23x2

## FOR MACHINE No. 23-30

Same as for 23-1 with the following exceptions:

No.	Plate	Name
10469	422	Cutting Block (brass), ¾ inch .....
10470	422	“ “ “ 1 inch .....
10472	422	“ “ “ 1¼ inch .....
18688	4791	Knife, 1½ in. (medium size eye) ...
10563	417	Table Bracket Machine Holder (left) with four wood screws 1¼ in., No. 14, R.H.B., in place of 10117 ....
10877	4787	Wrench, for 10453 .....
23 x 1	—	Needles, six, size 2, in place of 23x2

## TABLE BELT GUIDES

FOR MACHINES NOS. 23-3, 23-4, 23-10 TO 23-12  
AND 23-22

10857	4794	Table Belt Guide Bracket with 448c
10858	4794	“ “ “ “ Shaft .....
10859	4794	“ “ “ “ “ Pulley
448c	423	“ “ “ “ “ Set Screw .....
10856	4794	Table Belt Guide Bracket complete, Nos. 10857 to 10859 and three wood screws 1¼ in., No. 12, R.H.B.

**CUTTING PUNCH**

(HAND)

No.	Plate	Name
10866	—	Cutting Punch (hand), for $\frac{3}{8}$ in. buttonhole .....
10867	418	Cutting Punch (hand), for $\frac{1}{2}$ in. buttonhole .....
10868	—	Cutting Punch (hand), for $\frac{5}{16}$ in. buttonhole .....
10869	—	Cutting Punch (hand), for $\frac{7}{8}$ in. buttonhole .....
10870	—	Cutting Punch (hand), for $\frac{11}{16}$ in. buttonhole .....
10871	—	Cutting Punch (hand), for $\frac{3}{4}$ in. buttonhole .....
10872	—	Cutting Punch (hand), for $\frac{5}{8}$ in. buttonhole .....
10873	—	Cutting Punch (hand), for 1 in. buttonhole .....
234464	—	Cutting Punch (hand), for $\frac{7}{16}$ in. eyelet .....
234471	—	Cutting Punch (hand), for $\frac{1}{4}$ in. eyelet .....
234465	—	Cutting Punch (hand), for $\frac{3}{32}$ in. eyelet .....
234472	—	Cutting Punch (hand), for $\frac{1}{8}$ in. eyelet .....
234474	—	Cutting Punch (hand), for $\frac{1}{4}$ in. eyelet .....
15648	—	Cutting Punch (hand), for $\frac{1}{2}$ in. eyelet .....

**DRIVING ATTACHMENT**

No.	Plate	Name
10849	4794	Driving Pulley with 10236 .....
10236	420	" " Center Bearing .....
10237	4794	" " Spring .....
10850	4794	Friction Pulley .....
10851	4794	" " Stud .....
10238	417	" " Washer (paper) ....
10852	4794	Lever .....
10853	4794	" Bracket .....
144D	1797	" " Screw .....
10854	4793	" " Washer .....
10855	4793	" Brake Roll (wood) .....
127D	4791	" " " Screw .....
27070	—	Shaft Driving Pulley (sectional, grooved), 10 in. diam., $1\frac{3}{8}$ in. bore, with two 597c .....
597C	4791	Shaft Driving Pulley Clamping Screw .....
126036	—	Treadle .....
126037	—	" 126036 with 2718R, 50581R and 126038 .....
126038	—	Treadle Extension .....
50581R	—	" " Screw .....
2718R	—	" " " Washer .....
27639	4794	" Pitman Rod .....
9079	4794	" " " Clamp with 354c .....
354C	4791	" " " " Screw ....
60626	—	Treadle Pitman complete, Nos. two each 9079 and 27639 .....
204127	—	Treadle Stand (left) with two wood screws 1 in., No. 13 .....
204128	—	Treadle Stand (right) with two wood screws 1 in., No. 13 .....
126039	—	Treadle complete, Nos. 126037, 204127 and 204128 .....
126040	—	Treadle and Pitman complete, Nos. 60626 and 126039 .....
10847	—	Driving Attachment complete, Nos. 127D, 144D, 10237, 10238, 10849 to 10855, 27070, 126040 and three wood screws $1\frac{1}{4}$ in., No. 12 .....

## KNIVES

FOR MACHINES NOS. 23-9 TO 23-12, 23-22  
AND 23-30

No.	Plate	Name
10526	—	Knife, $\frac{1}{2}$ in. (large size eye) .....
10527	422	" $\frac{3}{8}$ in. (large size eye) .....
10528	422	" $\frac{1}{2}$ in. (large size eye) .....
10529	—	" $\frac{3}{4}$ in. (large size eye) .....
10530	422	" $\frac{1}{2}$ in. (large size eye) .....
10531	—	" $\frac{3}{4}$ in. (large size eye) .....
10532	422	" 1 in. (large size eye) .....
10533	—	" $1\frac{1}{8}$ in. (large size eye) .....
10534	422	" $1\frac{1}{4}$ in. (large size eye) .....
10535	422	" $1\frac{1}{2}$ in. (large size eye) .....
10536	—	" $\frac{1}{2}$ in. (small size eye) .....
10537	—	" $\frac{3}{8}$ in. (small size eye) .....
10538	—	" $\frac{1}{2}$ in. (small size eye) .....
10539	—	" $\frac{3}{4}$ in. (small size eye) .....
10540	—	" $\frac{1}{2}$ in. (small size eye) .....
10541	—	" $\frac{3}{8}$ in. (small size eye) .....
10542	—	" 1 in. (small size eye) .....
10543	—	" $1\frac{1}{8}$ in. (small size eye) .....
10544	—	" $1\frac{1}{4}$ in. (small size eye) .....
10545	—	" $1\frac{1}{2}$ in. (small size eye) .....

## TABLE BELT GUIDE

FOR AUTOMATIC STOP AND BARRING  
ATTACHMENT MACHINES AT RIGHT  
ANGLE WITH SHAFT  
(POWER TABLE)

10861	4794	Bracket with 448c .....
10862	4794	" Shaft .....
10864	4794	" " Collar with 448c .....
448c	423	" " " Set Screw .....
10865	4794	" " Pulley .....
448c	423	" " Set Screw .....
10860	4794	Bracket complete, Nos. 10861, 10862, two each 10864, 10865 and wood screws $1\frac{1}{4}$ in., No. 12, R.H.B. ....

## CLAMPS

CLAMP FOR SHIRT WORK

FOR MACHINE No. 23-1

Same as 10188 with the following exceptions:

No.	Plate	Name
10818	419	Clamp Arm (lower, left), in place of 10154 .....
10817	419	Clamp Arm (lower, right), in place of 10153 .....
10190	4790	Clamp Arm (upper, left) with 10165, in place of 10163 .....
10189	4790	Clamp Arm (upper, right) with 10165, in place of 10162 .....
10821	418	Clamp Arm Spreader Lever, in place of 10175 .....
10192	4790	Clamp Check (left), in place of 10167 .....
10191	4790	Clamp Check (right), in place of 10166 .....
10193	423	Clamp Check Dowel Pin .....
337D	4791	" " Screw, in place of 10157
10194	—	Clamp complete, Nos. 99E, 103D, 105D, 109D, 233D, 240D, 10155, 10156, 10158, 10159, 10170, 10171, 10174, 10176 to 10187, 10189 to 10192, 10817, 10818, 10821, two each 176D, 223E, 247E, 337D, 397E, 402D, 10160, 10161, 10164, 10172, 10173, 10193, 10195 and three 10157, in place of 10188 .....

CLAMP FOR MILITARY WORK

FOR MACHINES NOS. 23-9 AND 23-12

10818	419	Clamp Arm (lower, left) .....
10817	419	" " (lower, right) .....
10820	419	" " (lower) Front Guide (left) .....
10819	419	Clamp Arm (lower) Front Guide (right) .....
10157	421	Clamp Arm (lower) Front Guide Dowel Pin .....

## Clamps

No.	Plate	Name
402D	423	Clamp Arm (lower) Front Guide Screw .....
10159	419	Clamp Arm (lower) Rear Guide (left) .....
10161	423	Clamp Arm (lower) Rear Guide (left) Rivet .....
10158	419	Clamp Arm (lower) Rear Guide (right) .....
10160	421	Clamp Arm (lower) Rear Guide (right) Rivet .....
10833	4795	Clamp Arm (upper, left) with 10248
10832	4795	" " (upper, right) with 10248
10834	4795	" " (upper) Adjusting Slide
247F	423	" " " " " "
		Screw .....
10248	423	Clamp Arm (upper) Adjusting Slide Steady Pin .....
10170	419	Clamp Arm (upper) Connecting Yoke
10171	419	" " " " " "
		Link with two 220D .....
10836	4791	Clamp Arm (upper) Dowel Pin ....
10835	4795	" " " Hinge .....
10173	423	" " " " Pin .....
192D	1797	" " " Screw .....
10195	4792	" " " Spring .....
10174	419	" " " Spreader .....
10843	4795	" " " Lever .....
99E	423	" " " " Hinge Screw
10176	419	" " " Link .....
105D	423	" " " " Hinge Screw
109D	423	" " " Screw .....
10825	419	" Check (left), 1½ inch .....
10824	419	" " (right), 1½ inch .....
10157	421	" " Hinge Pin .....
10177	419	" Crank Shaft .....
10838	4795	" " " Bracket (left) ..
10837	4795	" " " " (right) ...
397E	423	" " " " Screw (large) .....
223E	423	Clamp Crank Shaft Bracket Screw (small) .....
10839	4795	Clamp Crank Shaft Lever .....
10181	423	" " " " Pin .....
10182	419	" Guide Pin .....
10841	4795	" " " Lifter .....
103D	423	" " " " Hinge Screw ..
10184	419	" " " " Spring .....
233D	423	" " " " " Screw ..
10842	4795	" " " " Stop .....
224D	423	" " " " " Screw ...

## Clamps

No.	Plate	Name
10845	4795	Clamp Guide Pin Post .....
10573	4790	" Plate .....
10187	423	" Thread Catch .....
240D	423	" " " Screw .....
18659	---	Clamp, 1½ in., complete, Nos. 99E, 103D, 105D, 109D, 224D, 233D, 240D, 10158, 10159, 10170, 10171, 10174, 10176, 10177, 10181, 10182, 10184, 10187, 10573, 10817 to 10820, 10824, 10825, 10832, 10833, 10837 to 10839, 10841 to 10843, 10845, two each 192D, 223E, 247F, 397E, 402D, 10160, 10161, 10173, 10195, 10834, 10835, four each 10157 and 10836 .....

## CLAMPS FOR EYELESS BUTTONHOLES

## FOR MACHINES NOS. 23-10 AND 23-11

Same as 10829 and 10830 with the following exceptions:

18578	4795	Clamp Plate, in place of 10828 ....
10944	---	Clamp, 1½ in., complete, Nos. 99E, 103D, 105D, 109D, 233D, 240D, 10158, 10159, 10170, 10171, 10174, 10176 to 10185, 10187, 10817 to 10823, 10826, 10827, 18578, two each 176D, 223E, 247F, 397E, 402D, 10160, 10161, 10164, 10172, 10173, 10195 and five 10157, in place of 10829 .....
10954	---	Clamp, 1½ in., complete, Nos. 99E, 103D, 105D, 109D, 233D, 240D, 10158, 10159, 10170, 10171, 10174, 10176 to 10185, 10187, 10817 to 10825, 18578, two each 176D, 223E, 247F, 397E, 402D, 10160, 10161, 10164, 10172, 10173, 10195 and five 10157, in place of 10830 .....

## FOR MILITARY WORK

Same as 10829 and 10830 with the following exceptions:

10833	4795	Clamp Arm (upper, left) with 10248, in place of 10823 .....
10832	4795	Clamp Arm (upper, right) with 10248, in place of 10822 .....
10834	4795	Clamp Arm (upper) Adjusting Slide, in place of 10164 .....
10248	423	Clamp Arm (upper) Adjusting Slide Steady Pin, in place of 10165 ...



No.	Plate	Name
10836	4791	Clamp Arm (upper) Dowel Pin ...
10835	4795	" " " Hinge, in place of 10172 .....
192D	1797	Clamp Arm (upper) Screw, in place of 176D .....
10843	4795	Clamp Arm Spreader Lever, in place of 10821 .....
10838	4795	Clamp Crank Shaft Bracket (left), in place of 10179 .....
10837	4795	Clamp Crank Shaft Bracket (right), in place of 10178 .....
10839	4795	Clamp Crank Shaft Lever, in place of 10180 .....
10841	4795	Clamp Guide Pin Lifter, in place of 10183 .....
10842	4795	Clamp Guide Pin Lifter Stop, in place of 10157 .....
224D	423	Clamp Guide Pin Lifter Stop Screw
10845	4795	" " " Post, in place of 10185 .....
10844	—	Clamp, 1½ in., complete, Nos. 99E, 103D, 105D, 109D, 224D, 233D, 240D, 10158, 10159, 10170, 10171, 10174, 10176, 10177, 10181, 10182, 10184, 10187, 10817 to 10820, 10826 to 10828, 10832, 10833, 10837 to 10839, 10841 to 10843, 10845, two each 192D, 223E, 247F, 397E, 402D, 10160, 10161, 10173, 10195, 10834, 10835, four each 10157 and 10836, in place of 10829 .....
10956	—	Clamp, 1½ in., complete, Nos. 99E, 103D, 105D, 109D, 224D, 233D, 240D, 10158, 10159, 10170, 10171, 10174, 10176, 10177, 10181, 10182, 10184, 10187, 10817 to 10820, 10824, 10825, 10828, 10832, 10833, 10837 to 10839, 10841 to 10843, 10845, two each 192D, 223E, 247F, 397E, 402D, 10160, 10161, 10173, 10195, 10834, 10835, four each 10157 and 10836, in place of 10830 .....

**CLAMP FOR MILITARY WORK**

**FOR MACHINE NO. 23-16**

Same as 10830 with the following exceptions:

10763	1757	Clamp Arm (lower, left), in place of 10818 .....
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No.	Plate	Name
10762	1757	Clamp Arm (lower, right), in place of 10817 .....
10156	419	Clamp Arm (lower) Front Guide (left), in place of 10820 .....
10155	419	Clamp Arm (lower) Front Guide (right), in place of 10819 .....
18582	4790	Clamp Arm (upper, left) with 10248, in place of 10823 .....
18581	4790	Clamp Arm (upper, right) with 10248, in place of 10822 .....
10834	4795	Clamp Arm (upper) Adjusting Slide, in place of 10164 .....
10248	423	Clamp Arm (upper) Adjusting Slide Steady Pin, in place of 10165 ...
10836	4791	Clamp Arm (upper) Dowel Pin ....
10835	4795	" " " Hinge, in place of 10172 .....
192D	1797	Clamp Arm (upper) Screw, in place of 176D .....
10843	4795	Clamp Arm Spreader Lever, in place of 10821 .....
10767	1757	Clamp Check (left), in place of 10825
10766	1757	" " (right), in place of 10824
10838	4795	" Crank Shaft Bracket (left), in place of 10179 .....
10837	4795	Clamp Crank Shaft Bracket (right), in place of 10178 .....
10839	4795	Clamp Crank Shaft Lever, in place of 10180 .....
10841	4795	Clamp Guide Pin Lifter, in place of 10183 .....
10842	4795	Clamp Guide Pin Lifter Stop, in place of 10157 .....
224F	423	Clamp Guide Pin Lifter Stop Screw
10845	4795	" " " Post, in place of 10185 .....
10768	1757	Clamp Plate, in place of 10828 ....
10955	—	Clamp, 2 in., complete, Nos. 99E, 103D, 105D, 109D, 224D, 233D, 240D, 10155, 10156, 10158, 10159, 10170, 10171, 10174, 10176, 10177, 10181, 10182, 10184, 10187, 10762, 10763, 10766 to 10768, 10837 to 10839, 10841 to 10843, 10845, 18581, 18582, two each 192D, 223E, 247F, 397E, 402D, 10160, 10161, 10173, 10195, 10834, 10835, four each 10157 and 10836, in place of 10830 .....

CLAMP PLATE DEFLECTING PIECES  
REVERSIBLE (KILBOWIE STYLE)

Thus,  $\frac{1}{2}$  in. Reversed gives  $1\frac{1}{4}$  in., etc.

FOR MACHINES NOS. 23-9 AND 23-12

No.	Plate	Name
10579	---	Clamp Plate .....
10395	---	" " Deflecting Piece, $\frac{3}{8}$ in. and $1\frac{3}{8}$ in. (left) .....
10394	---	Clamp Plate Deflecting Piece, $\frac{3}{8}$ in. and $1\frac{3}{8}$ in. (right) .....
10397	---	Clamp Plate Deflecting Piece, $\frac{1}{16}$ in. and $1\frac{1}{4}$ in. (left) .....
10396	---	Clamp Plate Deflecting Piece, $\frac{1}{16}$ in. and $1\frac{1}{4}$ in. (right) .....
10399	---	Clamp Plate Deflecting Piece, $\frac{1}{2}$ in. and $1\frac{1}{4}$ in. (left) .....
10398	---	Clamp Plate Deflecting Piece, $\frac{1}{2}$ in. and $1\frac{1}{4}$ in. (right) .....
10401	1754	Clamp Plate Deflecting Piece, $\frac{3}{16}$ in. and $1\frac{1}{8}$ in. (left) .....
10400	1754	Clamp Plate Deflecting Piece, $\frac{3}{16}$ in. and $1\frac{1}{8}$ in. (right) .....
10403	---	Clamp Plate Deflecting Piece, $\frac{3}{16}$ in. and $1\frac{1}{8}$ in. (left) .....
10402	---	Clamp Plate Deflecting Piece, $\frac{3}{16}$ in. $1\frac{1}{4}$ in. (right) .....
10952	---	Clamp Plate Deflecting Piece, $\frac{5}{8}$ in. and $\frac{7}{8}$ in. (left) .....
10951	---	Clamp Plate Deflecting Piece, $\frac{5}{8}$ in. and $\frac{7}{8}$ in. (right) .....
10405	---	Clamp Plate Deflecting Piece, $\frac{3}{4}$ in. and 1 in. (left) .....
10404	---	Clamp Plate Deflecting Piece, $\frac{3}{4}$ in. and 1 in. (right) .....
10407	---	Clamp Plate Deflecting Piece, $\frac{1}{2}$ in. and $1\frac{1}{2}$ in. (left) .....
10406	---	Clamp Plate Deflecting Piece, $\frac{1}{2}$ in. and $1\frac{1}{2}$ in. (right) .....
757E	1764	Clamp Plate Deflecting Piece Screw
10571	---	Clamp, $1\frac{1}{4}$ in., complete, Nos. 99E, 103D, 105D, 109D, 233D, 240D, 10158, 10159, 10170, 10171, 10174, 10176 to 10185, 10187, 10579, 10817 to 10823, 10826, 10827, two each 176D, 223E, 247F, 397E, 402D, 10160, 10161, 10164, 10172, 10173, 10195 and five 10157 .....

No.	Plate	Name
10572	---	Clamp, $1\frac{1}{2}$ in., complete, Nos. 99E, 103D, 105D, 109D, 233D, 240D, 10158, 10159, 10170, 10171, 10174, 10176 to 10185, 10187, 10579, 10817 to 10825, two each 176D, 223E, 247F, 397E, 402D, 10160, 10161, 10164, 10172, 10173, 10195 and five 10157 .....

## MISCELLANEOUS PARTS

No.	Plate	Name
2139	—	Balance Wheel Speed Pulley, $1\frac{1}{4}$ in. diam., with 451c, for Machines Nos. 23-1, 23-9, 23-16, 23-21 and 23-30 .....
2140	14787	Balance Wheel Speed Pulley, $2\frac{3}{8}$ in. diam., with 437c, for Machines Nos. 23-1, 23-9, 23-16, 23-21 and 23-30 .....
437c	423	Balance Wheel Speed Pulley Set Screw .....
451c	423	Balance Wheel Speed Pulley Set Screw .....
18889	—	Bed Plate Button .....
18890	—	" " " Adjustable Gimp and Needle Plate .....
18892	—	Bed Plate Button Adjustable Gimp and Needle Plate Drift .....
18891	—	Bed Plate Button complete, Nos. 18889, 18890 and 18892, for Machine No. 23-10 .....
10888	4792	Bed Plate Button (Chicago style) with 240b and 664b, for Machine No. 23-10 .....
10943	4792	Bed Plate Button (Chicago style) with 240b and 664b, for Machines Nos. 23-16 and 23-21 .....
10991	4793	Bed Plate Button (Hamburg style), for Machine No. 23-22 .....
18607	—	Feed Hand Ratchet complete, Nos. 10032, 10034, 18606 and 18792, for Machine No. 23-21 .....
10215	4793	Feed Wheel Driving Lever Block (Hamburg style) .....
18697	4795	Thread (upper) Cord Guide .....
18698	4795	" " " " Bracket .....
18699	4795	" " " " Hinge Pin and Thread Eyelet .....
18700	4795	Thread (upper) Cord Guide Lock Spring .....
10157	421	Thread (upper) Cord Guide Lock Spring Position Pin .....
18747	4793	Thread (upper) Cord Guide complete, Nos. 10157 and 18697 to 18700, for Machines Nos. 23-9 to 23-12, 23-16, 23-21, 23-22 and 23-30 .....

## OBSOLETE PARTS

No.	Plate	Name
10004	416	Arm Shaft (horizontal) Gear with 453c .....
10007	418	Arm Shaft (upright) Gear with 453c .....
10761	4788	Bed Plate, for Machine No. 23-16 ..
10302	4788	" " " I. B. H. Looper .....
18547	4788	" " " " " " " for Machine No. 23-11 .....
10457	417	Bed Plate with 10475 and two 621E ..
10636	4788	" " " 10475 and two 621E, for Machine No. 23-11 .....
10990	4788	Bed Plate with 18549 and two 621E, for Machine No. 23-22 .....
18622	4789	Bed Plate with two 18619 and four 405E, for Machines Nos. 23-9, 23-10 and 23-12 .....
18628	4789	Bed Plate with two 18619 and four 405E, for Machine No. 23-11 .....
18642	4789	Bed Plate with 18646, 18647 and four 405E, for Machine No. 23-22 .....
18596	—	Bed Plate complete, Nos. 10024, 10132, 10134, 10879, 18595, two each 10135, 10136 and three 405E .....
10310	418	Bed Plate Button Slide, for Machine No. 23-4 .....
10308	418	Bed Plate Button Slide Connection with 10136, for I. B. H. Looper, for Machines Nos. 23-4 and 23-11 ..
10168	4790	Clamp Check Pressure Spring .....
18557	4790	" " " " " .....
10226	418	" Wire Guard (right), for Machines Nos. 23-3 and 23-4 .....
10227	418	Clamp Wire Guard (left), for Machines Nos. 23-3 and 23-4 .....
10361	420	Driving and Stop Motion Connection Rod Link, for Machines Nos. 23-4 and 23-11 .....
10312	420	Driving and Stop Motion Ratchet Lever with 1823 and 10251, for five stitch bar, for Machines Nos. 23-4 and 23-11 .....
10427	4793	Driving and Stop Motion Tripping Lever (Kilbowle style) with 10251 and 10257, for Machines Nos. 23-3, 23-4 and 23-10 to 23-12 .....

No.	Plate	Name
10259	4793	Driving and Stop Motion Tripping Lever Point (long) (Kilbowie style) .....
10260	4793	Driving and Stop Motion Tripping Lever Point (short) (Kilbowie style) .....
10468	420	Eye Stop, for Machines Nos. 23-9 to 23-12 .....
10475	4793	Eye Stop Substitute .....
18549	4793	" " " .....
621E	4791	" " " Screw .....
18607	—	Feed Hand Ratchet complete, Nos. 10032, 10034, 18606 and 18792, for Machine No. 23-21 .....
10885	4792	Feed Hand Ratchet Pawl with 10035, for Machines Nos. 23-16 and 23-21
10999	4793	Feed Hand Ratchet Pawl with 10035, for Machine No. 23-22 .....
10497	—	Feed Wheel with 10522, for 1½ in. buttonhole, for Machine No. 23-9..
10522	416	Feed Wheel Latch, for 1½ inch ....
10299	420	" " Tripping Point .....
10565	421	Looper (single thread), for Machines Nos. 23-9, 23-10 and 23-21 .....
10380	420	Spreader (left) with 99c and 10136, for I.B.H. Looper, for Machines Nos. 23-4 and 23-11 .....
10384	420	Spreader Cam Fixture .....
10574	421	Thread (upper) Cord Guide Eyelet
10143	4791	" " Needle Stud .....

**NUMERICAL LIST OF PARTS**  
**FOR**  
**MACHINES**  
**Nos. 23-1, 23-3, 23-4, 23-9 to**  
**23-12, 23-16, 23-21,**  
**23-22 and 23-30**

# NUMERICAL LIST OF PARTS

No.	Plate	Name
2D	416	Feed Driving Bell Crank Lever Hinge Screw .....
2D	416	Looper Driving Bell Crank Hinge Screw .....
29c	1797	Needle Bar Connecting Link Hinge Screw .....
37E	1797	Needle Bar Frame Regulating Screw Stud .....
38D	1797	Driving and Stop Motion Connecting Rod Head Hinge Screw, for Machines Nos. 23-3, 23-4, 23-10 to 23-12 and 23-22 .....
49F	1797	Thread (upper) Nipper Lever Screw
52c	1797	Driving and Stop Motion Starting Lever Hinge Screw, for Machines Nos. 23-3, 23-4, 23-10 to 23-12 and 23-22 .....
52c	1797	Feed Hand Ratchet Lever Hinge Screw .....
57c	1797	Driving and Stop Motion Connecting Rod Link Hinge Screw, for Machines Nos. 23-3, 23-4, 23-10 to 23-12 and 23-22 .....
63D	1797	Driving and Stop Motion Ratchet Lever Hinge Screw, for Machines Nos. 23-3, 23-4, 23-10 to 23-12 and 23-22 .....
71D	1797	Feed Shipper Lever Hinge Screw..
72D	423	Knife Holder Connecting Link Hinge Screw, for Machines Nos. 23-9 to 23-12, 23-16, 23-21, 23-22 and 23-30 .....
77D	1797	Driving and Stop Motion Ratchet Lever Pawl Stop Lever Hinge Screw, for Machine No. 23-22 .....
77D	1797	Driving and Stop Motion Tripping Lever Hinge Screw, for Machines Nos. 23-3, 23-4 and 23-10 to 23-12
77D	1797	Thread (upper) Nipper Arm Hinge Screw .....
90D	4791	Barring Feed Wheel Lever Brake Lever Hinge Screw, for Machine No. 23-22 .....

No.	Plate	Name
91F	423	Barring Lever Clutch Lever Yielding Connection Guide Screw, for Machines Nos. 23-3, 23-4, 23-10 to 23-12 and 23-22 .....
93H	423	Needle Clamp Disc Spring Screw, for 10110 .....
99E	423	Clamp Arm Spreader Lever Hinge Screw .....
99C	423	Spreader Hinge Screw, for 10132, 10134, 10380 and 18846 .....
100D	423	Barring Lever Clutch Lever Hinge Screw, for Machines Nos. 23-3, 23-4, 23-10 to 23-12 and 23-22 ....
100D	423	Driving and Stop Motion Ratchet Lever Pawl Hinge Screw, for Machines Nos. 23-3, 23-4, 23-10 to 23-12 and 23-22 .....
103D	423	Clamp Guide Pin Lifter Hinge Screw
105D	423	" Arm Spreader Link Hinge Screw .....
106D	423	Barring Lever Clutch Lever Yielding Connection Hinge Screw, for Machines Nos. 23-3, 23-4, 23-10 to 23-12 and 23-22 .....
106D	423	Driving and Stop Motion Tripping Lever Catch Hinge Screw, for Machines Nos. 23-3, 23-4, 23-10 to 23-12 and 23-22 .....
109D	423	Clamp Arm Spreader Screw .....
110C	423	Spreader Hinge Screw, for 10376 and 10378 .....
118E	1797	Arm Screw .....
124F	1797	Driving and Stop Motion Lever Adjusting Screw, for Machines Nos. 23-3, 23-4, 23-10 to 23-12 and 23-22 .....
127D	4791	Driving Attachment Lever Brake Roll Screw, for 10847 .....
129E	4791	Feed Wheel Driving Lever Adjusting Screw, for 18563 and 18564 ..
130D	1797	Looper Carrier Bracket Screw ....
144D	1797	Arm Shaft (horizontal) Screw ....
144D	1797	Driving Attachment Lever Bracket Screw, for 10847 .....
145E	423	Bed Extension Screw, for 18592 ...
147C	1797	Needle Bar Frame Connecting Rod Ball Screw .....
150D	1797	Driving and Stop Motion Lever Screw, for Machines Nos. 23-3, 23-4, 23-10 to 23-12 and 23-22 ....

No.	Plate	Name
155C	4791	Needle Bar Connecting Stud Set Screw, for 7448 .....
159D	423	Cutting Block Arm Ratchet Wheel Retaining Spring Latch Screw, for Machines Nos. 23-9 to 23-12, 23-16, 23-21, 23-22 and 23-30 .....
159D	423	Driving and Stop Motion Lever Spring Screw, for Machines Nos. 23-3, 23-4, 23-10 to 23-12 and 23-22 .....
159D	423	Thread (under) Spool Bracket Screw
159D	423	Tension (upper thread) and Spool Bracket Screw .....
176D	423	Barring Lever Cap Screw, for Machines Nos. 23-3, 23-4, 23-10 to 23-12 and 23-22 .....
176D	423	Clamp Arm (upper) Screw, for 10188, 10194, 10571, 10572, 10577, 10578, 10769, 10829, 10830, 10944, 10954, 18560, 18604, 18841 and 18842 .....
176D	423	Face Plate Screw .....
176D	423	Feed Regulator Screw .....
185H	1797	Spreader Cam Adjusting Slide Screw, for Machines Nos. 23-4, 23-11, 23-12 and 23-22 .....
190D	4791	Driving and Stop Motion Ratchet Lever Pawl Stop Screw, for Machine No. 23-22 .....
192D	1797	Clamp Arm (upper) Screw, for 10844, 10955, 10956 and 18659 ...
196F	1797	Driving and Stop Motion Ratchet Lever Adjusting Screw, for Machines Nos. 23-3, 23-4, 23-10 to 23-12 and 23-22 .....
207C	4791	Feed Wheel Tripping Point Screw, for 10901 to 10925, 10929 to 10935, 10937, 10938 and 10940 .....
209F	423	Knife Set Screw, for 10547, 10549, 10551, 10632, 10730 and 18610 ...
209F	423	Looper Carrier Crank Set Screw ..
209F	423	Needle Bar Thread Take-up Set Screw, for 10096 .....
209F	423	Needle Clamp Set Screw, for 10110
214D	1797	Bed Plate Button Slide Connection Stop Screw, for Machines, Nos. 23-4, 23-11 and 23-22 .....
217F	423	Barring Lever Clutch Adjusting Screw, for Machines Nos. 23-3, 23-4 and 23-10 to 23-12 .....

No.	Plate	Name
220D	423	Clamp Arm (upper) Connecting Yoke Link Screw, for 10171 .....
223E	423	Clamp Crank Shaft Bracket Screw (small) .....
224D	423	Clamp Guide Pin Lifter Stop Screw, for 10844, 10955, 10956 and 18659..
224F	423	Looper Screw .....
228D	423	Spreader Cam Screw, for Machines Nos. 23-4, 23-11, 23-12 and 23-22 ..
229D	423	Spreader Spring Screw, for Machines Nos. 23-4, 23-11, 23-12 and 23-22 .....
231C	1797	Bed Plate Clamp Stop Screw, for 18800, 18802, 18804, 18806, 18812 and 18813 .....
233D	423	Barring Lever Clutch Lever Yielding Connection Spring Screw, for Machines Nos. 23-3, 23-4, 23-10 to 23-12 and 23-22 .....
233D	423	Clamp Guide Pin Lifter Spring Screw .....
233D	423	Driving and Stop Motion Tripping Lever Catch Spring Screw, for Machines Nos. 23-3, 23-4, 23-10 to 23-12 and 23-22 .....
233D	423	Looper Carrier Needle Guard Screw
233D	423	Needle Bar Thread Take-up Roller Cap Screw, for 10096 .....
236F	423	Driving and Stop Motion Ratchet Lever Pawl Spring Screw, for Machines 23-3, 23-4, 23-10 to 23-12 and 23-22 .....
236F	423	Thread (upper) Take-up Spring Screw .....
240D	423	Clamp Thread Catch Screw .....
240D	423	Spreader (right) Stop Screw, for 10018, 10503, 10879, 10888, 10943, 18568 and 18837 .....
247F	423	Clamp Arm (upper) Adjusting Slide Screw .....
290E	1797	Needle Bar Screw Bushing .....
293C	420	Knife Holder Lifting Rock Shaft Screw Center, for Machines Nos. 23-9 to 23-12, 23-16, 23-21, 23-22 and 23-30 .....
304C	1797	Cutting Block Arm Screw Center, for Machines Nos. 23-9 to 23-12, 23-16, 23-21, 23-22 and 23-30 .....
306C	1797	Needle Bar Frame Screw Center (upper) .....

No.	Plate	Name
307C	1797	Needle Bar Frame Bell Crank Screw Center .....
307C	1797	Needle Bar Frame Screw Center (lower) .....
333D	423	Thread (under) Cord Guide Screw
337D	4791	Clamp Check Screw, for 10194 ....
354C	4791	Driving Attachment Treadle Pitman Rod Clamp Screw, for 9079 .....
355D	1797	Driving and Stop Motion Lever Bracket Screw, for Machines Nos. 23-3, 23-4, 23-10 to 23-12 and 23-22
357F	1797	Feed Wheel Driving Lever Block Adjusting Screw .....
378C	1797	Looper Carrier Pitman Hinge Screw
389F	423	Bed Plate Screw, for all Machines of Class 23- except No. 23-21 .....
390D	423	Bed Extension Cover Screw, for Machine No. 23-21 .....
390F	423	Bed Plate Screw, for Machine No. 23-21 .....
390C	423	Needle Bar Connecting Link Adjusting Screw, for 10091 .....
390C	423	Needle Bar Frame Connecting Rod Adjusting Screw, for 10103 .....
397E	423	Clamp Crank Shaft Bracket Screw (large) .....
399F	423	Bed Plate Clamp Guide Slide Guide Screw, for 10024 .....
401E	423	Driving and Stop Motion Lever Friction Pad Screw, for Machines Nos. 23-3, 23-4, 23-10 to 23-12 and 23-22 .....
401E	423	Feed Wheel Cam Groove Protector Screw (long) .....
402D	423	Clamp Arm (lower) Front Guide Screw .....
402D	423	Driving and Stop Motion Ratchet Lever Pawl Stop Lever Lifting Lever Washer Screw, for Machine No. 23-22 .....
404D	4791	Barring Feed Wheel Lever Brake Lever Stop Bracket Screw, for Machines Nos. 23-22 .....
405E	423	Bed Plate Button Screw .....
405E	423	" " Protector Screw, for 18596, 18622, 18628, 18638 and 18642 ...
415D	1797	Tension (upper thread) Stud, for 10146 .....
429C	1797	Feed Wheel Driving Lever Supporting Screw .....

## Numerical List of Parts

No.	Plate	Name
430c	1797	Feed Wheel Friction Block Spring Adjusting Screw .....
435c	1797	Thread (upper) Nipper Cam Set Screw, for 10139 and 10567 .....
437c	423	Balance Wheel Speed Pulley Set Screw, for 2140 .....
444f	423	Cutting Block Set Screw, for Machines Nos. 23-9 to 23-12, 23-16, 23-21, 23-22 and 23-30 .....
445c	423	Driving and Stop Motion Balance Wheel Set Screw, for 10229 .....
445c	423	Feed and Looper Cam Set Screw, for 10038, 10298 and 10370 .....
445c	423	Needle Bar Frame Cam Set Screw, for 10101 and 18806 .....
448c	423	Balance Wheel Set Screw, for 10010
448c	423	Table Belt Guide Bracket Shaft Collar Set Screw, for 10864 .....
448c	423	Table Belt Guide Bracket Shaft Set Screw, for 10857 and 10861 .....
450c	423	Knife Holder Hinge Pin Set Screw, for Machines Nos. 23-9 to 23-12, 23-16, 23-21, 23-22 and 23-30 .....
451c	423	Balance Wheel Speed Pulley Set Screw, for 2139 .....
453c	423	Arm Shaft (horizontal) Gear Set Screw, for 10004 and 18820 .....
453c	423	Arm Shaft (upright) Gear Set Screw, for 10007 and 18821 .....
453c	423	Knife Holder Adjusting Collar Set Screw, for 10552 .....
487D	419	Thread (under) Spool Spindle, 4 in. long .....
488D	419	Thread (under) Spool Spindle, 3½ in. long .....
488D	419	Thread (upper) Spool Spindle, 3½ in. long, for 10146 .....
597c	4791	Driving Attachment Shaft Driving Pulley Clamping Screw, for 27070
621E	4791	Eye Stop Substitute Screw (obsolete), for 10457, 10636 and 10990
664D	4791	Spreader (left) Stop Screw, for 10018, 10503, 10879, 10888, 10943, 18568 and 18837 .....
665D	1797	Needle Clamp Thread Guide Screw, for 10110 .....
756E	4791	Feed Wheel Cam Groove Protector Screw (short) .....
757E	4791	Clamp Plate Deflecting Piece Screw, for Machines Nos. 23-9 and 23-12

## Numerical List of Parts

No.	Plate	Name
759F	423	Thread (under) Spool Spindle Outside Cone Thumb Screw, for 8039
759F	423	Thread (upper) Spool Spindle Outside Cone Thumb Screw, for 8039
771D	1797	Arm Side Plate Thumb Screw, for 10001, 10451, 10890 and 10891 ..
901E	4791	Driving and Stop Motion Tripping Lever Screw Stud, for Machine No. 23-22 .....
1071c	1797	Clamp Adjusting Screw, for Machine No. 23-22 .....
1071c	1797	Eye Stop Adjusting Screw, for Machines Nos. 23-9 to 23-12, 23-16 and 23-30 .....
1153c	1797	Thread (upper) Nipper Disc Screw Stud, for all Machines of Class 23-except Nos. 23-22 and 23-30 .....
1501E	420	Knife Holder Lifting Rock Shaft Screw Center Nut, for Machines Nos. 23-9 to 23-12, 23-16, 23-21, 23-22 and 23-30 .....
1513E	423	Cutting Block Arm Screw Center Nut, for Machines Nos. 23-9 to 23-12, 23-16, 23-21, 23-22 and 23-30
1513E	423	Feed Wheel Driving Lever Supporting Screw Nut .....
1513E	423	Needle Bar Frame Bell Crank Screw Center Nut .....
1513E	423	Needle Bar Frame Screw Center Nut
1514c	423	" " " Regulating Screw Stud Nut .....
1518E	423	Clamp Adjusting Screw Nut, for Machine No. 23-22 .....
1518E	423	Driving and Stop Motion Lever Adjusting Screw Nut, for Machines Nos. 23-3, 23-4, 23-10 to 23-12 and 23-22 .....
1518E	423	Eye Stop Adjusting Screw Nut, for Machines Nos. 23-9 to 23-12, 23-16 and 23-30 .....
1520E	421	Feed Wheel Driving Lever Block Adjusting Screw Nut .....
1520E	421	Feed Wheel Friction Block Spring Adjusting Screw Nut .....
1520E	421	Looper Carrier Pitman Hinge Screw Nut .....
1547D	423	Thread (upper) Nipper Disc Regulating Thumb Nut Lock Nut .....
1547D	423	Thread (upper) Nipper Disc Screw Stud Nut .....



No.	Plate	Name
1560c	421	Tension (under thread) Regulating Thumb Nut .....
1560c	421	Tension (upper thread) Regulating Thumb Nut, for 10146 .....
1645e	1797	Thread (upper) Nipper Disc Regulating Thumb Nut .....
1805	421	Feed Driving Bell Crank Lever Roller and Stud, for 10028 .....
1807	421	Looper Driving Bell Crank Roller and Stud, for 10129 .....
1813	421	Needle Bar Frame Bell Crank Roller and Stud, for 10099 and 10897 ..
1814	421	Feed Shipper Lever Roller and Stud, for 10040, 10477 and 18894 .....
1821	421	Thread (upper) Nipper Arm Roller and Stud .....
1823	423	Driving and Stop Motion Ratchet Lever Roller and Stud, for 10245 and 10312 .....
1824	421	Looper Carrier Roller and Stud, for 10121 and 18580 .....
1827	421	Bed Plate Clamp Guide Slide Roller and Stud, for 10020 .....
1963	4791	Barring Feed Wheel Lever Brake Lever Releasing Roller and Stud, for 10998 .....
2077	4791	Looper Carrier Pin .....
2102	416	Tension (under thread) Disc .....
2102	416	" (upper thread) Disc, for 10146 .....
2103	421	" " " Spring, for 10146 .....
2117	421	Arm Shaft (horizontal) Gear Pin ..
2117	421	" " (upright) Gear Pin .....
2139	----	Balance Wheel Speed Pulley, $1\frac{1}{2}$ in. diam., with 451c, for Machines Nos. 23-1, 23-9, 23-16, 23-21 and 23-30
2140	4787	Balance Wheel Speed Pulley, $2\frac{3}{16}$ in. diam., with 437c, for Machines Nos. 23-1, 23-9, 23-16, 23-21 and 23-30
2718r	----	Driving Attachment Treadle Extension Screw Washer, for 126037 ..
3012	421	Thread (upper) Nipper Cam Pin ..
5569	416	Driving and Stop Motion Ratchet Lever Spring, for Machines Nos. 23-3, 23-4, 23-10 to 23-12 and 23-22
5569	416	Feed Hand Ratchet Pawl Spring ..
5569	416	" Wheel Brake Dog Spring .....
6312	423	Driving and Stop Motion Lever Spring Screw Washer, for Machines Nos. 23-3, 23-4, 23-10 to 23-12 and 23-22 .....

No.	Plate	Name
7448	416	Needle Bar Connecting Stud 7548 with 155c .....
7548	---	Needle Bar Connecting Stud, for 7448
7958	4791	Looper Carrier Bracket Dowel Pin, for Machines Nos. 23-4, 23-11, 23-12 and 23-22 .....
7958	4791	Looper Carrier Crank Pin .....
8039	416	Thread (under) Spool Spindle Outside Cone 8064 with 759F .....
8039	416	Thread (upper) Spool Spindle Outside Cone 8064 with 759F, for 10146
8064	---	Thread (under) Spool Spindle Outside Cone, for 8039 .....
8064	---	Thread (upper) Spool Spindle Outside Cone, for 8039 .....
8582	421	Arm Dowel Pin .....
8734	416	Feed Wheel Driving Lever Spring..
8800	421	Thread (upper) Nipper Disc .....
9079	4794	Driving Attachment Treadle Pitman Rod Clamp with 354c, for 60626..
9263	423	Driving and Stop Motion Lever Bracket Screw Washer, for Machines Nos. 23-3, 23-4, 23-10 to 23-12 and 23-22 .....
*10001	---	Arm with 771D and 10008, for Machines Nos. 23-1, 23-3 and 23-4 ..
10002	417	Arm Shaft (horizontal) .....
10004	416	" " " Gear with 453c (obsolete) .....
10005	417	Arm Shaft (upright) .....
10007	418	" " " Gear with 453c (obsolete) .....
*10008	---	Arm Side Plate, for 10001, 10451, 10890 and 10891 .....
10010	4787	Balance Wheel, $2\frac{7}{8}$ in. pulley, with two 448c, for Machines Nos. 23-1, 23-9, 23-16, 23-21 and 23-30 .....
*10015	---	Bed, for Machine No. 23-1 .....
10016	417	" Plate, for 10025 .....
10018	416	" " Button with 240D and 664D, for 10025 .....
Nos. 10020 to 10023, for 10024		
10020	416	Bed Plate Clamp Guide Slide with 1827 .....
10021	416	Bed Plate Clamp Guide Slide
10022	421	" " " " " Spring Stop Stud .....
10023	416	Bed Plate Clamp Guide Slide Spring

No.	Plate	Name
10024	416	Bed Plate Clamp Guide complete, Nos. 10020, 10022, 10023, two 10021 and four 399E, for 10025, 10303, 18596, 18753 to 18760, 18763, 18814, 18838, 18839 and 18887 .....
10025	—	Bed Plate complete, Nos. 10016, 10018, 10024, 10132, 10134, two each 10135, 10136 and three 405E, for Machines Nos. 23-1 and 23-3 .....
10026	4787	Face Plate .....
10028	417	Feed Driving Bell Crank Lever with 1805 .....
10029	416	Feed Wheel Friction Block, for Machines Nos. 23-1, 23-9, 23-21 and 23-30 .....
10030	416	Feed Wheel Friction Block Spring, for all Machines of Class 23- except No. 23-16 .....
10031	418	Feed Hand Ratchet Lever, for 10036 and 10886 .....
10032	416	Feed Hand Ratchet Lever Handle, for 10036, 10886, 18607 and 18880 .....
10034	421	Feed Hand Ratchet Pawl Hinge Stud, for 10036, 10886, 11000, 18607, 18878 and 18880 .....
10035	421	Barring Feed Wheel Lever Brake Lever Spring Hook, for 10987 .....
10035	421	Feed Hand Ratchet Pawl Spring Hook, for Bed, for 10885 and 10999 .....
10035	421	Feed Wheel Brake Dog Spring Hook
10036	418	Feed Hand Ratchet complete, Nos. 10031, 10032, 10034 and 18790, for Machines Nos. 23-1, 23-9 and 23-30 .....
10038	417	Feed and Looper Cam with two 445c, for Machines Nos. 23-1, 23-9, 23-16, 23-21 and 23-30 .....
10040	418	Feed Shipper Lever with 1814, for Machines Nos. 23-1, 23-3 and 23-4 .....
10041	416	Feed Regulator, for Machines Nos. 23-1, 23-3 and 23-4 .....
10041	416	Feed Regulator (long), for Machines Nos. 23-9 to 23-12, 23-16, 23-21, 23-22 and 23-30 .....
10043	—	Feed Wheel with 10064, 10065, 10080, two each 401E and 756E, for $\frac{3}{8}$ in. buttonhole, for Machine No. 23-1 .....
10045	—	Feed Wheel with 10066, 10067, 10081, two each 401E and 756E, for $\frac{1}{2}$ in. buttonhole, for Machine No. 23-1 .....

No.	Plate	Name
10047	417	Feed Wheel with 10068, 10069, 10082, two each 401E and 756E, for $\frac{3}{8}$ in. buttonhole, for Machine No. 23-1 .....
10049	—	Feed Wheel with 10070, 10071, 10083, two each 401E and 756E, for $\frac{5}{8}$ in. buttonhole, for Machine No. 23-1 .....
10051	—	Feed Wheel with 10072, 10073, 10084, two each 401E and 756E, for $\frac{1}{2}$ in. buttonhole, for Machine No. 23-1 .....
10053	—	Feed Wheel with 756E, 10074, 10075, 10085 and three 401E, for $\frac{3}{4}$ in. buttonhole, for Machine No. 23-1 .....
10055	—	Feed Wheel with 10076, 10077, 10086, two each 401E and 756E, for $\frac{3}{8}$ in. buttonhole, for Machine No. 23-1 .....
10057	—	Feed Wheel with 10078, 10079, 10087, two each 401E and 756E, for 1 in. buttonhole, for Machine No. 23-1 .....
10059	416	Feed Wheel Brake Dog with 10060, for Machines Nos. 23-1, 23-3, 23-4, 23-9 to 23-12, 23-16 and 23-21 .....
10060	421	Feed Wheel Brake Dog Stud, for 10059 .....
10061	4792	Feed Hand Ratchet Pawl Spring Pin, for Bed, for Machines Nos. 23-9 to 23-12, 23-16, 23-21, 23-22 and 23-30 .....
10061	4792	Feed Wheel Driving Lever Spring Pin .....
10063	416	Feed Wheel Driving Lever Block .....
10064	—	" " Cam Groove Protector, $\frac{3}{8}$ in. (inside), for 10043 and 10901 .....
10065	—	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (outside), for 10043 and 10901 .....
10066	—	Feed Wheel Cam Groove Protector, $\frac{1}{2}$ in. (inside), for 10045 and 10902 .....
10067	—	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (outside), for 10045 and 10902 .....
10068	416	Feed Wheel Cam Groove Protector, $\frac{1}{8}$ in. (inside), for 10047 and 10903 .....
10069	416	Feed Wheel Cam Groove Protector, $\frac{1}{8}$ in. (outside), for 10047 and 10903 .....
10070	—	Feed Wheel Cam Groove Protector, $\frac{5}{8}$ in. (inside), for 10049 and 10904 .....
10071	—	Feed Wheel Cam Groove Protector, $\frac{5}{8}$ in. (outside), for 10049 and 10904 .....
10072	—	Feed Wheel Cam Groove Protector, $\frac{1}{4}$ in. (inside), for 10051 and 10905 .....
10073	—	Feed Wheel Cam Groove Protector, $\frac{1}{4}$ in. (outside), for 10051 and 10905 .....

No.	Plate	Name
10074	----	Feed Wheel Cam Groove Protector, ¾ in. (inside), for 10053 and 10906
10075	----	Feed Wheel Cam Groove Protector, ¾ in. (outside), for 10053 and 10906
10076	----	Feed Wheel Cam Groove Protector, ¾ in. (inside), for 10055 and 10907
10077	----	Feed Wheel Cam Groove Protector, ¾ in. (outside), for 10055 and 10907
10078	----	Feed Wheel Cam Groove Protector, 1 in. (inside), for 10057 and 10908
10079	----	Feed Wheel Cam Groove Protector, 1 in. (outside), for 10057 and 10908
10080	----	Feed Wheel Latch, ¾ in., for 10043 and 10901 .....
10081	----	Feed Wheel Latch, ½ in., for 10045, 10479, 10902 and 10917 .....
10082	416	Feed Wheel Latch, ¾ in., for 10047, 10481, 10903, 10910, 10918 and 10929 .....
10083	----	Feed Wheel Latch, ¾ in., for 10049, 10483, 10904 and 10919 .....
10084	----	Feed Wheel Latch, ¼ in., for 10051, 10485, 10905 and 10920 .....
10085	----	Feed Wheel Latch, ¾ in., for 10053, 10487, 10906, 10921 and 10933 ....
10086	----	Feed Wheel Latch, ¾ in., for 10055, 10489, 10907 and 10922 .....
10087	----	Feed Wheel Latch, 1 in., for 10057, 10491, 10908 and 10923 .....
10088	4787	Needle Bar, for 10089 .....
10089	4787	Needle Bar complete, Nos. 10083, 10096, 10108 and 10110 .....
10091	416	Needle Bar Connecting Link with two 390c .....
Nos. 10093 to 10095, for 10096		
10093	416	Needle Bar Thread Take-up with 10114 .....
10094	421	Needle Bar Thread Take-up Roller
10095	421	“ “ “ “ “ Cap .....
10096	416	Needle Bar Thread Take-up com- plete, Nos. 209F, 233D and 10093 to 10095, for 10089 .....
10099	4787	Needle Bar Frame Bell Crank with 1813 .....
10101	416	Needle Bar Frame Cam with two 445c, for all Machines of Class 23- except No. 23-30 .....

No.	Plate	Name
10103	4787	Needle Bar Frame Connecting Rod with 390c .....
10104	421	Needle Bar Frame Connecting Rod Ball .....
Nos. 10105 to 10107, for 10110		
10105	421	Needle Clamp .....
10106	421	“ “ Disc .....
10107	421	“ “ Spring .....
10108	421	“ “ Gib, for 10089 .....
10109	421	“ “ Thread Guide, for 10110
10110	421	Needle Clamp complete, 93H, 209F, 665D, 10105, 10107, 10109 and two 10106, for 10089 .....
10111	421	Thread (under) Spool Spindle Inside Cone .....
10111	421	Thread (upper) Spool Spindle Inside Cone, for 10146 .....
10112	421	Thread (under) Spool Spindle Inside Cone Spring .....
10112	421	Thread (upper) Spool Spindle Inside Cone Spring, for 10146 .....
10114	421	Needle Bar Thread Take-up Roller Pin, for 10093 .....
10116	416	Table Bracket Machine Holder Pin, for 10216 .....
10117	4787	Table Bracket Machine Holder (left) with two wood screws 1¼ in., No. 14, R.H.B., for Machines Nos. 23-1, 23-3 and 23-4 .....
10118	421	Looper (long), for Machines Nos. 23-1, 23-3, 23-9, 23-10, 23-16 and 23-21 .....
10119	421	Looper (short), for Machines Nos. 23-1, 23-3, 23-9, 23-10, 23-16, 23-21 and 23-30 .....
10121	416	Looper Carrier with 1824, for Ma- chines Nos. 23-1, 23-3, 23-9, 23-10 and 23-30 .....
10122	418	Looper Carrier Bracket .....
10123	416	“ “ Crank .....
10125	421	“ “ Needle Guard, for Ma- chines Nos. 23-1, 23-3, 23-9, 23-10, 23-16, 23-21 and 23-30 .....
10127	4787	Looper Carrier Pitman .....
10129	417	“ Driving Bell Crank with 1807
10130	416	“ Carrier Shaft .....
10132	416	Spreader (right) with 99c and 10136, for 10025, 18596, 18753 to 18756, 18814 and 18887 .....

No.	Plate	Name
10134	416	Spreader (left) with 99c and 10136, for 10025, 18596, 18753 to 18756, 18814, 18838, 18839 and 18887 . . . .
10135	421	Spreader Spring, for 10025, 18596, 18753 to 18756, 18814, 18838, 18839 and 18887 . . . . .
10136	421	Bed Plate Button Slide Connection Spring Hook, for 10307, 10308, 18596 and 18887 . . . . .
10136	421	Spreader Spring Hook, for 10025, 10132, 10134, 10380, 18753 to 18756, 18814, 18838, 18839 and 18846 . . .
10137	416	Thread (upper) Nipper Arm . . . . .
10139	418	" " " Cam with 435c, for Machines Nos. 23-1, 23-3, 23-4, 23-10 to 23-12 and 23-22 . . . . .
10140	416	Thread (upper) Nipper Lever . . . . .
10141	421	" " " " Spring . . . . .
10142	416	" " " Link, for Machines Nos. 23-1, 23-3, 23-4, 23-10 to 23-12 and 23-22 . . . . .
10143	4791	Thread (upper) Needle Stud (obsolete) . . . . .
10144	4787	Tension (upper thread) and Spool Bracket, for 10146 . . . . .
10145	421	Tension (under thread) Thread Guide . . . . .
10145	421	Tension (upper thread) Thread Guide, for 10146 . . . . .
10145	421	Thread (under) Thread Guide . . . . .
10146	—	Tension (upper thread) and Spool Bracket complete, Nos. 415D, 488D, 1560c, 2103, 8039, 10111, 10112, 10144, 10145 and two 2102 . . . . .
10147	4787	Thread (under) Spool Bracket . . . . .
10148	421	Tension (under thread) Spring . . . . .
10149	416	Thread (under) Take-up Spring, for all Machines of Class 23- except No. 23-30 . . . . .
10150	416	Thread (under) Cord Guide . . . . .
10151	416	" (upper) Take-up Spring, for 10026 . . . . .
10152	421	Face Plate Thread Guide . . . . .
10153	419	Clamp Arm (lower, right), for 10188
10154	419	" " (lower, left), for 10188
10155	419	" " (lower) Front Guide (right), for 10188, 10194, 10769, 10955 and 18604 . . . . .

No.	Plate	Name
10156	419	Clamp Arm (lower) Front Guide (left), for 10188, 10194, 10769, 10955 and 18604 . . . . .
10157	421	Clamp Arm (lower) Front Guide Dowel Pin . . . . .
10157	421	Clamp Check Hinge Pin, for 10188, 10571, 10572, 10577, 10578, 10769, 10829, 10830, 10844, 10944, 10954 to 10956, 18560, 18604, 18659, 18841 and 18842 . . . . .
10157	421	Clamp Guide Pin Lifter Stop Pin, for 10188, 10194, 10571, 10572, 10577, 10578, 10769, 10829, 10830, 10944, 10954, 18560, 18604, 18659, 18841 and 18842 . . . . .
10157	421	Thread (upper) Cord Guide Lock Spring Position Pin, for 18747 . . .
10158	419	Clamp Arm (lower) Rear Guide (right) . . . . .
10159	419	Clamp Arm (lower) Rear Guide (left) . . . . .
10160	421	Clamp Arm (lower) Rear Guide (right) Rivet . . . . .
10161	423	Clamp Arm (lower) Rear Guide (left) Rivet . . . . .
10162	419	Clamp Arm (upper, right) with 10165, for 10188 . . . . .
10163	419	Clamp Arm (upper, left) with 10165, for 10188 . . . . .
10164	419	Clamp Arm (upper) Adjusting Slide, for 10188, 10194, 10571, 10572, 10577, 10578, 10769, 10829, 10830, 10944, 10954, 18560, 18604, 18841 and 18842
10165	421	Clamp Arm (upper) Adjusting Slide Steady Pin, for 10162, 10163, 10189, 10190, 10764, 10765, 10822, 10823, 18599 and 18600 . . . . .
10166	419	Clamp Check (right), for 10188 . . .
10167	419	" " (left), for 10188 . . . . .
10168	4790	" " Pressure Spring (obsolete) . . . . .
10170	419	Clamp Arm (upper) Connecting Yoke . . . . .
10171	419	Clamp Arm (upper) Connecting Yoke Link with two 220D . . . . .
10172	419	Clamp Arm (upper) Hinge, for 10188, 10194, 10571, 10572, 10577, 10578, 10769, 10829, 10830, 10944, 10954, 18560, 18604, 18841 and 18842 . . .

No.	Plate	Name
10173	423	Clamp Arm (upper) Hinge Pin ....
10174	419	" " Spreader .....
10175	418	" " " Lever, for 10188
10176	419	" " " Link .....
10177	419	" Crank Shaft .....

Nos. 10178 to 10180, for 10188, 10194, 10571, 10572, 10577, 10578, 10769, 10829, 10830, 10944, 10954, 18560 18604, 18841 and 18842

10178	419	Clamp Crank Shaft Bracket (right)
10179	419	" " " " (left) ..
10180	419	" " " Lever .....
10181	423	" " " " Pin .....
10182	419	" Guide Pin .....
10183	419	" " " Lifter, for 10188, 10194, 10571, 10572, 10577, 10578, 10769, 10829, 10830, 10944, 10954, 18560, 18604, 18841 and 18842 ..
10184	419	Clamp Guide Pin Lifter Spring ....
10185	419	" " " Post, for 10188, 10194, 10571, 10572, 10577, 10578, 10769, 10829, 10830, 10944, 10954, 18560, 18604, 18841 and 18842 ....
10186	4787	Clamp Plate, for 10188 and 10194 ..
10187	423	" Thread Catch .....
10188	4787	Clamp complete, Nos. 99E, 103D, 105D, 109D, 233D, 240D, 10153 to 10156, 10158, 10159, 10162, 10163, 10166, 10167, 10170, 10171, 10174 to 10187, two each 176D, 223E, 247E, 397E, 402D, 10160, 10161, 10164, 10172, 10173, 10195 and five 10157, for Machines Nos. 23-1, 23-3 and 23-4 .....

Nos. 10189 to 10193, for 10194

10189	4790	Clamp Arm (upper, right) with 10165
10190	4790	" " (upper, left) with 10165
10191	4790	" Check (right) .....
10192	4790	" " (left) .....
10193	423	" " Dowel Pin .....
10194	—	Clamp complete, for shirt work, Nos. 99E, 103D, 105D, 109D, 233D, 240D, 10155, 10156, 10158, 10159, 10170, 10171, 10174, 10176 to 10187, 10189 to 10192, 10817, 10818, 10821, two each 176D, 223E, 247E, 337D, 397E, 402D, 10160, 10161, 10164, 10172, 10173, 10193, 10195 and three 10157, for Machine No. 23-1 .....

No.	Plate	Name
10195	4792	Clamp Arm (upper) Spring .....

Nos. 10201 to 10214, for Machines Nos. 23-9 and 23-12

10201	—	Clamp Plate Deflecting Piece, $\frac{1}{2}$ in. (right) .....
10202	—	Clamp Plate Deflecting Piece, $\frac{1}{2}$ in. (left) .....
10203	—	Clamp Plate Deflecting Piece, $\frac{1}{8}$ in. (right) .....
10204	—	Clamp Plate Deflecting Piece, $\frac{1}{8}$ in. (left) .....
10205	4790	Clamp Plate Deflecting Piece, $\frac{3}{8}$ in. (right) .....
10206	4790	Clamp Plate Deflecting Piece, $\frac{3}{8}$ in. (left) .....
10207	—	Clamp Plate Deflecting Piece, $\frac{3}{4}$ in. (right) .....
10208	—	Clamp Plate Deflecting Piece, $\frac{3}{4}$ in. (left) .....
10209	—	Clamp Plate Deflecting Piece, $\frac{3}{8}$ in. (right) .....
10210	—	Clamp Plate Deflecting Piece, $\frac{3}{8}$ in. (left) .....
10211	—	Clamp Plate Deflecting Piece, 1 in. (right) .....
10212	—	Clamp Plate Deflecting Piece, 1 in. (left) .....
10213	—	Clamp Plate Deflecting Piece, $1\frac{1}{2}$ in. (right) .....
10214	—	Clamp Plate Deflecting Piece, $1\frac{1}{2}$ in. (left) .....
10215	4793	Feed Wheel Driving Lever Block (Hamburg Style) .....
10216	417	Table Bracket Machine Holder (right) with 10116 and three wood screws $1\frac{1}{2}$ in., No. 14, R.H.B., for all Machines of Class 23- except No. 23-30 .....

Nos. 10217 to 10222, for Machines Nos. 23-3, 23-4, 23-10 to 23-12 and 23-22

10217	413	Barring Lever .....
10218	420	" " Cap .....
10219	420	" " Clutch .....
10220	420	" " " Lever .....
10222	420	" " " " Yielding Connection with 10251 .....

No.	Plate	Name
10223	423	Barring Lever Clutch Lever Yielding Connection Spring, for Machines Nos. 23-3, 23-4, 23-10 to 23-12 and 23-22 .....
10223	423	Driving and Stop Motion Tripping Lever Catch Spring, for Machines Nos. 23-3, 23-4, 23-10 to 23-12 and 23-22 .....
10223	423	Spreader Spring, for Machines Nos. 23-4, 23-11, 23-12 and 23-22 .....
*10225	---	Bed, for Machines Nos. 23-3 and 23-4
10226	418	Clamp Wire Guard (right) (obsolete), for Machines Nos. 23-3 and 23-4 .....
10227	418	Clamp Wire Guard (left) (obsolete), for Machines Nos. 23-3 and 23-4 ..
10229	417	Driving and Stop Motion Balance Wheel with two 445c, for Machines Nos. 23-3, 23-4, 23-10 to 23-12 and 23-22 .....
10230	418	Driving and Stop Motion Connecting Rod, for 10232 .....
10231	420	Driving and Stop Motion Connecting Rod Head, for 10232 .....
10232	---	Driving and Stop Motion Connecting Rod 10230 with 10231, for Machines Nos. 23-3, 23-4, 23-10 to 23-12 and 23-22 .....
10233	420	Driving and Stop Motion Connecting Rod Link, for Machines Nos. 23-3, 23-4, 23-10 to 23-12 and 23-22 .....
10235	417	Driving and Stop Motion Friction Pulley with 10236, for Machines Nos. 23-3, 23-4, 23-10 to 23-12 and 23-22 .....
10236	420	Driving and Stop Motion Friction Pulley Center Bearing, for 10235
10236	420	Driving Attachment Driving Pulley Pulley Center Bearing, for 10849
10237	4794	Driving Attachment Driving Pulley Spring, for 10847 .....
10238	417	Driving Attachment Friction Pulley Washer (paper), for 10847 .....
Nos. 10238 to 10247, for Machines Nos. 23-3, 23-4, 23-10 to 23-12 and 23-22		
10238	417	Driving and Stop Motion Friction Pulley Washer (paper) .....
10239	417	Driving and Stop Motion Lever with 10556 .....

No.	Plate	Name
10240	417	Driving and Stop Motion Lever Bracket .....
10241	4793	Driving and Stop Motion Lever Friction Pad (leather) .....
10242	420	Driving and Stop Motion Lever Spring .....
10243	420	Driving and Stop Motion Lever Screw Washer .....
10245	420	Driving and Stop Motion Ratchet Lever with 1823 and 10251 .....
10247	420	Driving and Stop Motion Ratchet Lever Pawl with 10248 .....
10248	423	Driving and Stop Motion Ratchet Lever Pawl Pin, for 10247 .....
10248	423	Clamp Arm (upper) Adjusting Slide Steady Pin, for 10832, 10833, 18581 and 18582 .....
10249	420	Driving and Stop Motion Ratchet Lever Pawl Spring, for Machines Nos. 23-3, 23-4, 23-10 to 23-12 and 23-22 .....
10251	423	Barring Lever Clutch Lever Yielding Connection Spring Hook, for 10222
10251	423	Driving and Stop Motion Ratchet Lever Pawl Stop Lever Lifting Lever Spring Hook, for 10988 ..
10251	423	Driving and Stop Motion Ratchet Lever Spring Hook, for 10245, 10312, 10427 and 10998 .....
10252	413	Driving and Stop Motion Starting Lever, for Machines Nos. 23-3 and 23-4 .....
10254	420	Driving and Stop Motion Tripping Lever with two 10257, for Machines Nos. 23-3, 23-4 and 23-10 to 23-12 .....
10255	420	Driving and Stop Motion Tripping Lever Catch, for Machines Nos. 23-3, 23-4, 23-10 to 23-12 and 23-22
10256	420	Driving and Stop Motion Tripping Lever Spring, for Machines Nos. 23-3, 23-4, 23-10 to 23-12 and 23-22
10257	423	Driving and Stop Motion Ratchet Lever Spring Hook, for 10254 ..
10257	423	Driving and Stop Motion Tripping Lever Spring Pin, for 10254, 10427 and 10998 .....
10259	4793	Driving and Stop Motion Tripping Lever Point (long) (Kilbowie style) (obsolete) .....

## Numerical List of Parts

No.	Plate	Name
10260	4793	Driving and Stop Motion Tripping Lever Point (short) (Kilbowie style) (obsolete) .....
10261	4792	Feed Hand Ratchet Lever, for 11000 and 18878 .....
10262	4792	Feed Hand Ratchet Lever Handle, for 11000 and 18878 .....
10296	420	Feed Wheel Friction Block, for Machines Nos. 23-3, 23-4 and 23-10 to 23-12 .....
10298	---	Feed and Looper Cam with two 445c, for Machines Nos. 23-3 and 23-10 .....
10299	420	Feed Wheel Tripping Point (obsolete) .....
10301	4788	Bed Plate, for 10449 .....
10302	4788	" " " L.B.H. Looper (obsolete) .....
10303	---	Bed Plate complete, Nos. 10024 and 10449, for Machine No. 23-4 .....
10305	416	Bed Plate Button, for 10449 .....
10306	418	" " " Slide, for 10449, 18757, 18758 and 18763 .....
10307	418	Bed Plate Button Slide Connection with 10136, for Machines Nos. 23-4, 23-11 and 23-22 .....
10308	418	Bed Plate Button Slide Connection with 10136, for L.B.H. Looper (obsolete), for Machines Nos. 23-4 and 23-11 .....
10309	421	Bed Plate Button Slide Connection Spring, for Machines Nos. 23-4, 23-11 and 23-22 .....
10309	421	Driving and Stop Motion Ratchet Lever Pawl Stop Lever Lifting Lever Spring, for Machine No. 23-22 .....
10310	418	Bed Plate Button Slide (obsolete), for Machine No. 23-4 .....
10312	420	Driving and Stop Motion Ratchet Lever with 1823 and 10251, for five stitch bar (obsolete), for Machines Nos. 23-4 and 23-11 .....
10347	---	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (inside), for 10909 .....
10348	---	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (outside), for 10909 .....
10349	---	Feed Wheel Cam Groove Protector, $\frac{1}{2}$ in. (inside), for 10910 .....

## Numerical List of Parts

No.	Plate	Name
10350	---	Feed Wheel Cam Groove Protector, $\frac{1}{2}$ in. (outside), for 10910 .....
10351	---	Feed Wheel Cam Groove Protector, $\frac{5}{8}$ in. (inside), for 10911 .....
10352	---	Feed Wheel Cam Groove Protector, $\frac{1}{8}$ in. (outside), for 10911 .....
10353	---	Feed Wheel Cam Groove Protector, $\frac{5}{8}$ in. (inside), for 10912 .....
10354	---	Feed Wheel Cam Groove Protector, $\frac{5}{8}$ in. (outside), for 10912 .....
10355	---	Feed Wheel Cam Groove Protector, $\frac{1}{4}$ in. (inside), for 10913 .....
10356	---	Feed Wheel Cam Groove Protector, $\frac{1}{4}$ in. (outside), for 10913 .....
10357	---	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (inside), for 10914 .....
10358	---	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (outside), for 10914 .....
10359	---	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (inside), for 10915 .....
10360	---	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (outside), for 10915 .....
10361	420	Driving and Stop Motion Connection Rod Link (obsolete), for Machines Nos. 23-4 and 23-11 .....
10362	---	Feed Wheel Cam Groove Protector, 1 in. (inside), for 10916 .....
10363	---	Feed Wheel Cam Groove Protector, 1 in. (outside), for 10916 .....
10364	---	Feed Wheel Latch, $\frac{3}{8}$ in., for 10909 .....
10365	---	" " " $\frac{1}{8}$ in., for 10911 and 10930 .....
10366	---	Feed Wheel Latch, $\frac{5}{8}$ in., for 10912 and 10931 .....
10367	---	Feed Wheel Latch, $\frac{5}{8}$ in., for 10915 and 10934 .....
10368	---	Feed Wheel Latch, 1 in., for 10916 and 10935 .....
Nos. 10370 to 10378, for Machines Nos. 23-4, 23-11, 23-12 and 23-22		
10370	417	Feed and Looper Cam with two 445c
10371	423	Looper (long) .....
10372	423	" (short) .....
10373	420	" Carrier .....
10374	423	" " Needle Guard .....
10376	423	Spreader (right) with 110c .....

No.	Plate	Name
10378	423	Spreader (left) with 110c .....
10380	420	" " " 99c and 10136, for I.B.H. Looper (obsolete), for Machines Nos. 23-4 and 23-11 ...
10381	423	Spreader Cam (right), for Machines Nos. 23-4, 23-11, 23-12 and 23-22 ..
10382	423	Spreader Cam (left), for Machines Nos. 23-4, 23-11, 23-12 and 23-22 ..
10383	423	Spreader Cam Adjusting Slide, for Machines Nos. 23-4, 23-11, 23-12 and 23-22 .....
10384	420	Spreader Cam Fixture (obsolete) ..

Nos. 10385 to 10390, for Machines 23-9 and 23-12

10385	---	Clamp Plate Deflecting Piece, $\frac{1}{8}$ in. (right) .....
10386	---	Clamp Plate Deflecting Piece, $\frac{1}{8}$ in. (left) .....
10387	---	Clamp Plate Deflecting Piece, $1\frac{1}{4}$ in. (right) .....
10388	---	Clamp Plate Deflecting Piece, $1\frac{1}{4}$ in. (left) .....
10389	---	Clamp Plate Deflecting Piece, $1\frac{3}{8}$ in. (right) .....
10390	---	Clamp Plate Deflecting Piece, $1\frac{3}{8}$ in. (left) .....

Nos. 10394 to 10407, for Machines Nos. 23-9  
and 23-12

10394	---	Clamp Plate Deflecting Piece, $\frac{3}{8}$ in. and $1\frac{3}{8}$ in. (right) .....
10395	---	Clamp Plate Deflecting Piece, $\frac{3}{8}$ in. and $1\frac{3}{8}$ in. (left) .....
10396	---	Clamp Plate Deflecting Piece, $\frac{5}{8}$ in. and $1\frac{3}{8}$ in. (right) .....
10397	---	Clamp Plate Deflecting Piece, $\frac{5}{8}$ in. and $1\frac{3}{8}$ in. (left) .....
10398	---	Clamp Plate Deflecting Piece, $\frac{1}{2}$ in. and $1\frac{1}{4}$ in. (right) .....
10399	---	Clamp Plate Deflecting Piece, $\frac{1}{2}$ in. and $1\frac{1}{4}$ in. (left) .....
10400	4790	Clamp Plate Deflecting Piece, $\frac{9}{16}$ in. and $\frac{1}{8}$ in. (right) .....
10401	4790	Clamp Plate Deflecting Piece, $\frac{9}{16}$ in. and $\frac{1}{8}$ in. (left) .....
10402	---	Clamp Plate Deflecting Piece, $\frac{9}{16}$ in. and $1\frac{1}{8}$ in. (right) .....
10403	---	Clamp Plate Deflecting Piece, $\frac{9}{16}$ in. and $1\frac{1}{8}$ in. (left) .....

No.	Plate	Name
10404	---	Clamp Plate Deflecting Piece, $\frac{3}{4}$ in. and 1 in. (right) .....
10405	---	Clamp Plate Deflecting Piece, $\frac{3}{4}$ in. and 1 in. (left) .....
10406	---	Clamp Plate Deflecting Piece, $\frac{1}{8}$ in. and $\frac{1}{8}$ in. (right) .....
10407	---	Clamp Plate Deflecting Piece, $\frac{1}{8}$ in. and $\frac{1}{8}$ in. (left) .....
10408	---	Feed Wheel Latch, $\frac{1}{8}$ in., for 10913 and 10932 .....
10409	---	Feed Wheel Latch, $\frac{3}{4}$ in., for 10914
10427	4793	Driving and Stop Motion Tripping Lever (Kilbowie style) with 10251 and 10257 (obsolete), for Machines Nos. 23-3, 23-4 and 23-10 to 23-12..
10449	---	Bed Plate 10301 with 10305, 10306 and three 405E, for 10303 .....
*10451	---	Arm with 771D and 10008, for Ma- chines Nos. 23-9 and 23-30 .....

Nos. 10452 to 10455, for Machines Nos. 23-9 to  
23-12, 23-16, 23-21, 23-22 and 23-30

10452	417	Cutting Block Arm .....
10453	422	" " " Ratchet Wheel
10454	422	" " " " "
		Retaining Spring Latch .....
10455	418	Cutting Block Arm Spring .....
*10456	---	Bed, for Machines Nos. 23-9 and 23-30
10457	417	" Plate with 10475 and two 621E (obsolete) .....
10461	421	Bed Plate Dowel Pin, for Machines Nos. 23-9 to 23-12, 23-16, 23-21, 23-22 and 23-30 .....
10462	421	Bed Plate Stud, for Machine No. 23-21 and obsolete for Nos. 23-9 to 23-12, 23-16 and 23-22 .....
10463	422	Cutting Block (brass), $\frac{3}{8}$ in. (obso- lete), for Machines Nos. 23-10 to 23-12, 23-22 and 23-30 .....
10464	422	Cutting Block (brass), $\frac{5}{8}$ in., for 10547 .....
10465	422	Cutting Block (brass), $\frac{3}{4}$ in., for 10547 .....
10466	422	Cutting Block (brass), $\frac{3}{4}$ in., for 10549 .....
10467	422	Cutting Block (brass), 1 in., for 10549 .....
10468	420	Eye Stop (obsolete), for Machines Nos. 23-9 to 23-12 .....



Nos. 10469 to 10474, for 10551, for Machines  
Nos. 23-9 to 23-12, 23-22 and 23-30

No.	Plate	Name
10469	422	Cutting Block (brass), $\frac{3}{4}$ inch .....
10470	422	" " " 1 inch .....
10471	422	" " " $1\frac{1}{8}$ inches ...
10472	422	" " " $1\frac{1}{4}$ inches ...
10473	422	" " " $1\frac{3}{8}$ inches ...
10474	422	" " " $1\frac{1}{2}$ inches ...
10475	4793	Eye Stop Substitute (obsolete), for 10457 and 10636 .....
10477	418	Feed Shipper Lever with 1814, for buttonholes $1\frac{3}{8}$ and $1\frac{1}{2}$ in. long, for Machines Nos. 23-9 to 23-12, 23-16, 23-21, 23-22 and 23-30 .....
10479	---	Feed Wheel with 10081, 10504, 10505, two each 401E and 756E, for $\frac{1}{2}$ in. buttonhole, for Machines Nos. 23-9 and 23-30 .....
10481	---	Feed Wheel with 10082, 10506, 10507, two each 401E and 756E, for $\frac{5}{16}$ in. buttonhole, for Machines Nos. 23-9 and 23-30 .....
10483	---	Feed Wheel with 10083, 10508, 10509, two each 401E and 756E, for $\frac{3}{8}$ in. buttonhole, for Machine No. 23-9 and 23-30 .....
10485	---	Feed Wheel with 756E, 10084, 10510, 10511 and three 401E, for $\frac{1}{8}$ in. buttonhole, for Machine No. 23-9 and 23-30 .....
10487	---	Feed Wheel with 756E, 10085, 10512, 10513 and three 401E, for $\frac{3}{4}$ in. buttonhole, for Machines Nos. 23-9 and 23-30 .....
10489	---	Feed Wheel with 10086, 10514, 10515 and four 401E, for $\frac{3}{8}$ in. buttonhole, for Machines Nos. 23-9 and 23-30
10491	---	Feed Wheel with 756E, 10087, 10516, 10517 and three 401E, for 1 in. buttonhole, for Machines Nos. 23-9 and 23-30 .....
10495	---	Feed Wheel with 401E, 10518, 10519, 10521 and three 756E, for $1\frac{1}{8}$ in. buttonhole, for Machines Nos. 23-9 and 23-30 .....
10497	---	Feed Wheel with 10522, for $1\frac{1}{4}$ in. buttonhole (obsolete), for Machine No. 23-9 .....

No.	Plate	Name
10502	422	Cutting Block (brass), $\frac{3}{4}$ in., for 10551, for Machines Nos. 23-9, 23-10, 23-22 and 23-30 .....
10503	4790	Bed Plate Button 10575 with 240D and 664D, for 18755 and 18756 ..
10504	420	Feed Wheel Cam Groove Protector, $\frac{1}{2}$ in. (inside), for 10479 and 10917
10505	420	Feed Wheel Cam Groove Protector, $\frac{1}{2}$ in. (outside), for 10479 and 10917
10506	---	Feed Wheel Cam Groove Protector, $\frac{3}{16}$ in. (inside), for 10481 and 10918
10507	---	Feed Wheel Cam Groove Protector, $\frac{3}{16}$ in. (outside), for 10481 and 10918
10508	---	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (inside), for 10483 and 10919
10509	---	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (outside), for 10483 and 10919
10510	---	Feed Wheel Cam Groove Protector, $\frac{1}{4}$ in. (inside), for 10485 and 10920
10511	---	Feed Wheel Cam Groove Protector, $\frac{1}{8}$ in. (outside), for 10485 and 10920
10512	---	Feed Wheel Cam Groove Protector, $\frac{3}{4}$ in. (inside), for 10487 and 10921
10513	---	Feed Wheel Cam Groove Protector, $\frac{3}{4}$ in. (outside), for 10487 and 10921
10514	---	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (inside), for 10489 and 10922
10515	---	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (outside), for 10489 and 10922
10516	---	Feed Wheel Cam Groove Protector, 1 in. (inside), for 10491 and 10923
10517	---	Feed Wheel Cam Groove Protector, 1 in. (outside), for 10491 and 10923
10518	---	Feed Wheel Cam Groove Protector, $1\frac{1}{8}$ in. (inside), for 10495 and 10925
10519	---	Feed Wheel Cam Groove Protector, $1\frac{1}{8}$ in. (outside), for 10495 and 10925
10520	---	Feed Wheel Latch, $1\frac{1}{16}$ in., for 18506 and 18562 .....
10521	---	Feed Wheel Latch, $1\frac{1}{8}$ in., for 10495 and 10925 .....
10522	416	Feed Wheel Latch, $1\frac{1}{4}$ in., for 10497 (obsolete) .....
10523	---	Feed Wheel Latch, $1\frac{3}{8}$ in., for 18569 and 18572 .....
10524	---	Feed Wheel Latch, $1\frac{1}{2}$ in., for 10958, 10960 and 18565 .....

Nos. 10526 to 10545, for Machines Nos. 23-9 to 23-12, 23-22 and 23-30

No.	Plate	Name
10526	—	Knife, $\frac{1}{2}$ in. (large size eye) .....
10527	422	" $\frac{5}{16}$ in. (large size eye) .....
10528	422	" $\frac{3}{8}$ in. (large size eye) .....
10529	—	" $\frac{1}{2}$ in. (large size eye) .....
10530	422	" $\frac{3}{4}$ in. (large size eye) .....
10531	—	" $\frac{7}{8}$ in. (large size eye) .....
10532	422	" 1 in. (large size eye) .....
10533	—	" $1\frac{1}{8}$ in. (large size eye) .....
10534	422	" $1\frac{1}{4}$ in. (large size eye) .....
10535	422	" $1\frac{1}{2}$ in. (large size eye) .....
10536	—	" $\frac{1}{2}$ in. (small size eye) .....
10537	—	" $\frac{3}{8}$ in. (small size eye) .....
10538	—	" $\frac{5}{8}$ in. (small size eye) .....
10539	—	" $\frac{7}{8}$ in. (small size eye) .....
10540	—	" $\frac{3}{4}$ in. (small size eye) .....
10541	—	" $\frac{5}{8}$ in. (small size eye) .....
10542	—	" 1 in. (small size eye) .....
10543	—	" $1\frac{1}{8}$ in. (small size eye) .....
10544	—	" $1\frac{1}{4}$ in. (small size eye) .....
10545	—	" $1\frac{1}{2}$ in. (small size eye) .....
10547	1784	" Holder with 209F and two 10556, for 10528 to 10530, 10538 to 10540 and 18681 to 18683 .....
10549	418	Knife Holder with 209F and two 10556, for 10531, 10532, 10541, 10542, 18684 and 18685 .....
10551	418	Knife Holder with 209F and two 10556, for 10533 to 10535, 10543 to 10545 and 18686 to 18688 .....
10552	422	Knife Holder Adjusting Collar with 453c, for Machines Nos. 23-9 to 23-12, 23-16, 23-21, 23-22 and 23-30
10553	422	Knife Holder Connecting Link, for Machines Nos. 23-9 to 23-12, 23-22 and 23-30 .....
10554	421	Knife Holder Connecting Link Pin, for Machines Nos. 23-9 to 23-12, 23-16, 23-21, 23-22 and 23-30 .....
10555	418	Knife Holder Hinge Pin, for Ma- chines Nos. 23-9 to 23-12, 23-16, 23-21, 23-22 and 23-30 .....
10556	4792	Driving and Stop Motion Lever Spring Pin, for 10239 .....
10556	4792	Knife Position Pin, for 10547, 10549, 10551, 10632, 10730 and 18610 ....
10557	4787	Needle Bar Frame .....

No.	Plate	Name
10558	416	Feed Regulator (reverse), for Ma- chines Nos. 23-9 to 23-12, 23-16, 23-21, 23-22 and 23-30 .....
10559	416	Feed Regulator (short), for Ma- chines Nos. 23-9 to 23-12 and 23-30
10560	417	Knife Holder Lifting Rock Shaft, for Machines Nos. 23-9 to 23-12, 23-22 and 23-30 .....
10561	418	Knife Holder Lifting Rock Shaft Connecting Link, for Machines Nos. 23-9 to 23-12, 23-22 and 23-30
10562	421	Knife Holder Lifting Rock Shaft Connecting Link Pin, for Machines Nos. 23-9 to 23-12, 23-16, 23-21, 23-22 and 23-30 .....
10563	417	Table Bracket Machine Holder (left) with four wood screws $1\frac{1}{4}$ in., No. 14, R.H.B., for Machines Nos. 23-9 to 23-12, 23-16, 23-21, 23-22 and 23-30
10565	421	Looper (single thread) (obsolete), for Machines Nos. 23-9, 23-10 and 23-21 .....
10567	418	Thread (upper) Nipper Cam with 435c, for Machines Nos. 23-9, 23-16, 23-21 and 23-30 .....
10568	416	Thread (upper) Nipper Link, for Ma- chines Nos. 23-9, 23-16, 23-21 and 23-30 .....
10571	—	Clamp (Kilbowie style), $1\frac{1}{4}$ in., com- plete, Nos. 99E, 103D, 105D, 109D, 233D, 240D, 10158, 10159, 10170, 10171, 10174, 10176 to 10185, 10187, 10579, 10817 to 10823, 10826, 10827, two each 176D, 223E, 247F, 397E, 402D, 10160, 10161, 10164, 10172, 10173, 10195 and five 10157, for Machines Nos. 23-9 and 23-12 ....
10572	—	Clamp (Kilbowie style), $1\frac{1}{2}$ in., com- plete, Nos. 99E, 103D, 105D, 109D, 233D, 240D, 10158, 10159, 10170, 10171, 10174, 10176 to 10185, 10187, 10579, 10817 to 10825, two each 176D, 223E, 247F, 397E, 402D, 10160, 10161, 10164, 10172, 10173, 10195 and five 10157, for Machines Nos. 23-9 and 23-12 .....
10573	4790	Clamp Plate, for 10577, 10578 and 18659 .....
10574	421	Thread (upper) Cord Guide Eyelet (obsolete) .....

No.	Plate	Name
10575	---	Bed Plate Button, for 10503, 18759 and 18760 .....
10577	---	Clamp, 1 $\frac{1}{4}$ in., complete, Nos. 99E, 103D, 105D, 109D, 233D, 240D, 10158, 10159, 10170, 10171, 10174, 10176 to 10185, 10187, 10573, 10817 to 10823, 10826, 10827, two each 176D, 223E, 247F, 397E, 402D, 10160, 10161, 10164, 10172, 10173, 10195 and five 10157, for Machines Nos. 23-9 and 23-12 .....
10578	---	Clamp, 1 $\frac{1}{2}$ in., complete, Nos. 99E, 103D, 105D, 109D, 233D, 240D, 10158, 10159, 10170, 10171, 10174, 10176 to 10185, 10187, 10573, 10817 to 10825, two each 176D, 223E, 247F, 397E, 402D, 10160, 10161, 10164, 10172, 10173, 10195 and five 10157, for Machines Nos. 23-9 and 23-12 ...
10579	---	Clamp Plate, for 10571 and 10572 ..
*10581	---	Bed, for Machines Nos. 23-10 to 23-12
10582	418	Driving and Stop Motion Starting Lever, for Machines Nos. 23-10 to 23-12 and 23-22 .....
10632	1784	Knife Holder with 209F and two 10556, for 10526, 10527, 10536, 10537, 18679 and 18680 .....
10636	4788	Bed Plate with 10475 and two 621E (obsolete), for Machine No. 23-11
10637	4792	Bed Plate Button, for 18757, 18758 and 18763 .....
10686	---	Feed Wheel Cam Groove Protector, $\frac{1}{2}$ in. (inside), for 10929 .....
10687	---	Feed Wheel Cam Groove Protector, $\frac{1}{2}$ in. (outside), for 10929 .....
10688	---	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (inside), for 10930 .....
10689	---	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (outside), for 10930 .....
10690	---	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (inside), for 10931 .....
10691	---	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (outside), for 10931 .....
10692	---	Feed Wheel Cam Groove Protector, $\frac{1}{4}$ in. (inside), for 10932 .....
10693	---	Feed Wheel Cam Groove Protector, $\frac{1}{4}$ in. (outside), for 10932 .....
10694	---	Feed Wheel Cam Groove Protector, $\frac{3}{4}$ in. (inside), for 10933 .....

No.	Plate	Name
10695	---	Feed Wheel Cam Groove Protector, $\frac{3}{4}$ in. (outside), for 10933 .....
10696	---	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (inside), for 10934 .....
10697	---	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (outside), for 10934 .....
10698	---	Feed Wheel Cam Groove Protector, 1 in. (inside), for 10935 .....
10699	---	Feed Wheel Cam Groove Protector, 1 in. (outside), for 10935 .....
10700	---	Feed Wheel Cam Groove Protector, 1 $\frac{1}{8}$ in. (inside), for 10937 .....
10701	---	Feed Wheel Cam Groove Protector, 1 $\frac{1}{8}$ in. (outside), for 10937 .....
10702	---	Feed Wheel Cam Groove Protector, 1 $\frac{1}{4}$ in. (inside), for 10938 .....
10703	---	Feed Wheel Cam Groove Protector, 1 $\frac{1}{4}$ in. (outside), for 10938 .....
10705	---	Feed Wheel Latch, 1 $\frac{1}{8}$ in., for 10970 and 10975 .....
10706	---	Feed Wheel Latch, 1 $\frac{1}{2}$ in., for 10937 and 10981 .....
10707	---	Feed Wheel Latch, 1 $\frac{1}{4}$ in., for 10938
10708	---	" " " 1 $\frac{3}{8}$ in., for 18573
10709	---	" " " 1 $\frac{1}{2}$ in., for 10940
10730	4792	Knife Holder with 209F and two 10556 .....
*10760	---	Bed, for Machine No. 23-16 .....
10761	4788	" Plate (obsolete), for Machine No. 23-16 .....
Nos. 10762 to 10768, for 10769		
10762	1757	Clamp Arm (lower, right); also for 10955 .....
10763	1757	Clamp Arm (lower, left); also for 10955 .....
10764	1757	Clamp Arm (upper, right) with 10165
10765	1757	" " (upper, left) with 10165
10766	1757	" Check (right); also for 10955
10767	1757	" " (left); also for 10955 ..
10768	1757	" Plate; also for 10955 .....
10769	---	Clamp, 2 in., complete, Nos. 99E, 103D, 105D, 109D, 233D, 240D, 10155, 10156, 10158, 10159, 10170, 10171, 10174, 10176 to 10185, 10187, 10762 to 10768, 10821, two each 176D, 223E, 247F, 397E, 402D, 10160, 10161, 10164, 10172, 10173, 10195 and five 10157, for Machine No. 23-16 .....

No.	Plate	Name
10770	4702	Eye Stop, for Machine No. 23-16 ...
10772	4792	Feed Wheel Friction Block, for Machine No. 23-16 .....
10773	---	Feed Wheel Latch, 2 in., for 10800
10800	---	" " with 10773, for 2 in. buttonhole, for Machine No. 23-16 ..
10817	419	Clamp Arm (lower, right), for 10194, 10571, 10572, 10577, 10578, 10829, 10830, 10844, 10944, 10954, 10956, 18560, 18659, 18841 and 18842 .....
10818	419	Clamp Arm (lower, left), for 10194, 10571, 10572, 10577, 10578, 10829, 10830, 10844, 10944, 10954, 10956, 18560, 18659, 18841 and 18842 .....
10819	419	Clamp Arm (lower) Front Guide (right), for 10571, 10572, 10577, 10578, 10829, 10830, 10844, 10944, 10954, 10956, 18560, 18659, 18841 and 18842 .....
10820	419	Clamp Arm (lower) Front Guide (left), for 10571, 10572, 10577, 10578, 10829, 10830, 10844, 10944, 10954, 10956, 18560, 18659, 18841 and 18842 .....
10821	418	Clamp Arm Spreader Lever, for 10194, 10571, 10572, 10577, 10578, 10769, 10829, 10830, 10944, 10954, 18560, 18604, 18841 and 18842 ...
10822	419	Clamp Arm (upper, right) with 10165, for 10571, 10572, 10577, 10578, 10829, 10830, 10944, 10954, 18560, 18841 and 18842 .....
10823	419	Clamp Arm (upper, left) with 10165, for 10571, 10572, 10577, 10578, 10829, 10830, 10944, 10954, 18560, 18841 and 18842 .....
10824	419	Clamp Check (right), 1½ in., for 10572, 10578, 10830, 10954, 10956, 18659 and 18842 .....
10825	419	Clamp Check (left), 1½ in., for 10572, 10578, 10830, 10954, 10956, 18659 and 18842 .....
10826	4790	Clamp Check (right), 1¼ in., for 10571, 10577, 10829, 10844, 10944 and 18841 .....
10827	4790	Clamp Check (left), 1¼ in., for 10571, 10577, 10829, 10844, 10944 and 18841 .....
10828	4787	Clamp Plate, for 10829, 10830, 10844, 10956 and 18560 .....

No.	Plate	Name
10829	---	Clamp, 1¼ in., complete, Nos. 99E, 103D, 105D, 109D, 233D, 240D, 10158, 10159, 10170, 10171, 10174, 10176 to 10185, 10187, 10817 to 10823, 10826 to 10828, two each 176D, 223E, 247F, 397E, 402D, 10160, 10161, 10164, 10172, 10173, 10195 and five 10157, for Machines Nos. 23-10 and 23-11
10830	4737	Clamp, 1½ in., complete, Nos. 99E, 103D, 105D, 109D, 233D, 240D, 10158, 10159, 10170, 10171, 10174, 10176 to 10185, 10187, 10817 to 10825, 10828, two each 176D, 223E, 247F, 397E, 402D, 10160, 10161, 10164, 10172, 10173, 10195 and five 10157, for Machines Nos. 23-10 and 23-11 ..
10832	4795	Clamp Arm (upper, right) with 10248, for 10844, 10956 and 18659
10833	4735	Clamp Arm (upper, left) with 10248, for 10844, 10956 and 18659 .....
Nos. 10834 to 10839, for 10844, 10955, 10956 and 18659		
10834	4795	Clamp Arm ((upper) Adjusting Slide
10835	4795	" " " Hinge .....
10836	4791	" " " Dowel Pin .....
10837	4795	" Crank Shaft Bracket (right) ..
10838	4795	" " " " (left) .....
10839	4795	" " " Lever .....
Nos. 10841 to 10843, for 10844, 10955, 10956 and 18659		
10841	4795	Clamp Guide Pin Lifter .....
10842	4795	" " " " Stop .....
10843	4795	" Arm Spreader Lever .....
10844	---	Clamp, 1¼ in., complete, for military work, Nos. 99E, 103D, 105D, 109D, 224D, 233D, 240D, 10158, 10159, 10170, 10171, 10174, 10176, 10177, 10181, 10182, 10184, 10187, 10817 to 10820, 10826 to 10828, 10832, 10833, 10837 to 10839, 10841 to 10843, 10845, two each 192D, 223E, 247F, 397E, 402D, 10160, 10161, 10173, 10195, 10834, 10835, four each 10157 and 10836, for Machines Nos. 23-10 and 23-11 .....
10845	4795	Clamp Guide Pin Post, for 10844, 10955, 10956 and 18659 .....

## Numerical List of Parts

No.	Plate	Name
10847	---	Driving Attachment complete, Nos. 127D, 144D, 10237, 10238, 10849 to 10855, 27070, 126040 and three wood screws $1\frac{1}{4}$ in., No. 12 .....
Nos. 10849 to 10855, for 10847		
10849	4794	Driving Attachment Driving Puley with 10236 .....
10850	4794	Driving Attachment Friction Pulley
10851	4794	" " " " Stud .....
10852	4794	Driving Attachment Lever .....
10853	4794	" " " Bracket
10854	4793	" " " Washer .....
10855	4793	Driving Attachment Lever Brake Roll (wood) .....
10856	4794	Table Belt Guide Bracket complete, Nos. 10857 to 10859 and three wood screws $1\frac{1}{4}$ in., No. 12, R.H.B., for Machines Nos. 23-3, 23-4, 23-10 to 23-12 and 23-22 .....
Nos. 10857 to 10859, for 10856		
10857	4794	Table Belt Guide Bracket with 448c
10858	4794	" " " " Shaft .....
10859	4794	" " " " Pulley
10860	4794	Table Belt Guide Bracket complete, Nos. 10861, 10862, two each 10864, 10865 and wood screws $1\frac{1}{4}$ in., No. 12, R.H.B. ....
10861	4794	Table Belt Guide Bracket with 448c, for 10860 .....
10862	4794	Table Belt Guide Bracket Shaft, for 10860 .....
10864	4794	Table Belt Guide Bracket Shaft Col- lar with 448c, for 10860 .....
10865	4794	Table Belt Guide Bracket Shaft Pul- ley, for 10860 .....
10866	---	Cutting Punch (hand), for $\frac{3}{8}$ in. but- tonhole .....
10867	473	Cutting Punch (hand), for $\frac{1}{2}$ in. but- tonhole .....
10868	---	Cutting Punch (hand), for $\frac{5}{16}$ in. but- tonhole .....
10869	---	Cutting Punch (hand), for $\frac{3}{8}$ in. but- tonhole .....
10870	---	Cutting Punch (hand), for $\frac{1}{4}$ in. but- tonhole .....

## Numerical List of Parts

No.	Plate	Name
10871	---	Cutting Punch (hand), for $\frac{3}{8}$ in. but- tonhole .....
10872	---	Cutting Punch (hand), for $\frac{3}{8}$ in. but- tonhole .....
10873	---	Cutting Punch (hand), for 1 in. but- tonhole .....
10875	4787	Wrench, for 1518 and 1520, for all Machines of Class 23- except No. 23-30 .....
10876	4787	Wrench, for 357 and 1513, for all Machines of Class 23- except No. 23-30 .....
10877	4787	Wrench, for 10453, for Machines Nos. 23-9 to 23-12, 23-16, 23-21, 23-22 and 23-30 .....
10879	4794	Bed Plate Button with 240D and 664D, for 18596 and 18814 .....
10880	422	Cutting Block (brass), 2 in., for Ma- chine No. 23-16 .....
Nos. 10881 to 10884, for Machines Nos. 23-16 and 23-21		
10881	422	Knife, 2 in. (large size eye) .....
10882	---	" 2 in. (small size eye) .....
10883	4792	" Holder Connecting Link .....
10884	4792	" " Lifting Rock Shaft Con- necting Link .....
10885	4792	Feed Hand Ratchet Pawl with 10035 (obsolete), for Machines Nos. 23-16 and 23-21 .....
10886	---	Feed Hand Ratchet complete, Nos. 10031, 10032, 10034 and 18792, for Machine No. 23-16 .....
10888	4792	Bed Plate Button (Chicago style) with 240D and 664D, for Machine No. 23-10 .....
*10890	---	Arm with 771D and 10008, for Ma- chines Nos. 23-10 to 23-12 and 23-22
*10891	---	Arm with 771D and 10008, for Ma- chines Nos. 23-16 and 23-21 .....
10893	4793	Eye Stop, for Machines Nos. 23-9 to 23-12 and 23-30 .....
10895	4793	Feed Wheel Tripping Point, for 10901 to 10923, 10925, 10929 to 10935, 10937 to 10940, 10959, 10960, 10970, 10975, 10981, 18562, 18572 and 18573 .....

No.	Plate	Name
10897	---	Needle Bar Frame Bell Crank with 1813, for Machines Nos. 23-9 to 23-12, 23-16, 23-21, 23-22 and 23-30

Nos. 10901 to 10908, for Machine No. 23-3

10901	---	Feed Wheel with 207c, 10064, 10065, 10080, 10895, two each 401E and 756E, for $\frac{3}{8}$ in. buttonhole .....
10902	---	Feed Wheel with 207c, 10066, 10067, 10081, 10895, two each 401E and 756E, for $\frac{1}{2}$ in. buttonhole .....
10903	---	Feed Wheel with 207c, 10068, 10069, 10082, 10895, two each 401E and 756E, for $\frac{5}{16}$ in. buttonhole .....
10904	---	Feed Wheel with 207c, 10070, 10071, 10083, 10895, two each 401E and 756E, for $\frac{3}{8}$ in. buttonhole .....
10905	---	Feed Wheel with 207c, 10072, 10073, 10084, 10895, two each 401E and 756E, for $\frac{1}{4}$ in. buttonhole .....
10906	---	Feed Wheel with 207c, 756E, 10074, 10075, 10085, 10895 and three 401E, for $\frac{3}{8}$ in. buttonhole .....
10907	---	Feed Wheel with 207c, 10076, 10077, 10086, 10895, two each 401E and 756E, for $\frac{3}{8}$ in. buttonhole .....
10908	---	Feed Wheel with 207c, 10078, 10079, 10087, 10895, two each 401E and 756E, for 1 in. buttonhole .....

Nos. 10909 to 10916, for Machine No. 23-4

10909	---	Feed Wheel with 207c, 10347, 10348, 10364, 10895, two each 401E and 756E, for $\frac{3}{8}$ in. buttonhole .....
10910	---	Feed Wheel with 207c, 10082, 10349, 10350, 10895, two each 401E and 756E, for $\frac{1}{2}$ in. buttonhole .....
10911	417	Feed Wheel with 207c, 10351, 10352, 10365, 10895, two each 401E and 756E, for $\frac{5}{16}$ in. buttonhole .....
10912	---	Feed Wheel with 207c, 10353, 10354, 10366, 10895, two each 401E and 756E, for $\frac{3}{8}$ in. buttonhole .....
10913	---	Feed Wheel with 207c, 10355, 10356, 10408, 10895 and four 401E, for $\frac{1}{4}$ in. buttonhole .....

No.	Plate	Name
10914	---	Feed Wheel with 207c, 10357, 10358, 10409, 10895 and four 401E, for $\frac{3}{4}$ in. buttonhole .....
10915	---	Feed Wheel with 207c, 10359, 10360, 10367, 10895, two each 401E and 756E, for $\frac{3}{8}$ in. buttonhole .....
10916	---	Feed Wheel with 207c, 10362, 10363, 10368, 10895, two each 401E and 756E, for 1 in. buttonhole .....

Nos. 10917 to 10923, for Machines Nos. 23-10 and 23-12

10917	---	Feed Wheel with 207c, 10081, 10504, 10505, 10895, two each 401E and 756E, for $\frac{1}{2}$ in. buttonhole .....
10918	---	Feed Wheel with 207c, 10082, 10506, 10507, 10895, two each 401E and 756E, for $\frac{5}{16}$ in. buttonhole .....
10919	---	Feed Wheel with 207c, 10083, 10508, 10509, 10895, two each 401E and 756E, for $\frac{3}{8}$ in. buttonhole .....
10920	---	Feed Wheel with 207c, 756E, 10084, 10510, 10511, 10895 and three 401E, for $\frac{1}{4}$ in. buttonhole .....
10921	---	Feed Wheel with 207c, 756E, 10085, 10512, 10513, 10895 and three 401E, for $\frac{3}{8}$ in. buttonhole .....
10922	---	Feed Wheel with 207c, 10086, 10514, 10515, 10895 and four 401E, for $\frac{3}{8}$ in. buttonhole .....
10923	---	Feed Wheel with 207c, 756E, 10087, 10516, 10517, 10895 and three 401E, for 1 in. buttonhole .....
10925	---	Feed Wheel with 207c, 401E, 10518, 10519, 10521, 10895 and three 756E, for $1\frac{1}{2}$ in. buttonhole, for Machines Nos. 23-10 and 23-12 .....

Nos. 10929 to 10935, for Machine No. 23-11

10929	---	Feed Wheel with 207c, 10082, 10686, 10687, 10895, two each 401E and 756E, for $\frac{1}{2}$ in. buttonhole .....
10930	---	Feed Wheel with 207c, 10365, 10688, 10689, 10895, two each 401E and 756E, for $\frac{5}{16}$ in. buttonhole .....
10931	---	Feed Wheel with 207c, 756E, 10366, 10690, 10691, 10895 and three 401E, for $\frac{3}{8}$ in. buttonhole .....

## Numerical List of Parts

No.	Plate	Name
10932	—	Feed Wheel with 207c, 756E, 10408, 10692, 10693, 10895 and three 401E, for $\frac{1}{4}$ in. buttonhole .....
10933	—	Feed Wheel with 207c, 756E, 10085, 10694, 10695, 10895 and three 401E, for $\frac{3}{8}$ in. buttonhole .....
10934	417	Feed Wheel with 207c, 756E, 10367, 10696, 10697, 10895 and three 401E, for $\frac{3}{8}$ in. buttonhole .....
10935	—	Feed Wheel with 207c, 756E, 10368, 10698, 10699, 10895 and three 401E, for 1 in. buttonhole .....
10937	—	Feed Wheel with 207c, 401E, 10700, 10701, 10706, 10895 and three 756E, for $1\frac{1}{4}$ in. buttonhole, for Machine No. 23-11 .....
10938	—	Feed Wheel with 207c, 10702, 10703, 10707, 10895 and four 756E, for $1\frac{1}{4}$ in. buttonhole, for Machine No. 23-11 .....
10940	—	Feed Wheel with 207c, 10709, 10895, 14105, 18895, 18896 and three 401E, for $1\frac{1}{2}$ in. buttonhole, for Machine No. 23-11 .....
10943	4792	Bed Plate Button (Chicago style) with 240D and 664D, for Machines Nos. 23-16 and 23-21 .....
10944	—	Clamp, $1\frac{1}{2}$ in., complete, for eyeless buttonholes, Nos. 99E, 103D, 105D, 109D, 233D, 240D, 10158, 10159, 10170, 10171, 10174, 10176 to 10185, 10187, 10817 to 10823, 10826, 10827, 18578, two each 176D, 223E, 247F, 397E, 402D, 10160, 10161, 10164, 10172, 10173, 10195 and five 10157, for Machines Nos. 23-10 and 23-11 .....
10945	—	Clamp Plate Deflecting Piece, $1\frac{1}{8}$ in. (right), for Machines Nos. 23-9, 23-12 and 23-21 .....
10946	—	Clamp Plate Deflecting Piece, $1\frac{1}{8}$ in. (left), for Machines Nos. 23-9 and 23-12 .....
10951	—	Clamp Plate Deflecting Piece (Kilbowie style), $\frac{5}{8}$ in. and $\frac{3}{4}$ in. (right), for Machines Nos. 23-9 and 23-12 .....
10952	—	Clamp Plate Deflecting Piece (Kilbowie style), $\frac{5}{8}$ in. and $\frac{3}{4}$ in. (left), for Machines Nos. 23-9 and 23-12 .....

No.	Plate	Name
10954	—	Clamp, $1\frac{1}{2}$ in., complete, for eyeless buttonholes, Nos. 99E, 103D, 105D, 109D, 233D, 240D, 10158, 10159, 10170, 10171, 10174, 10176 to 10185, 10187, 10817 to 10825, 18578, two each 176D, 223E, 247F, 397E, 402D, 10160, 10161, 10164, 10172, 10173, 10195 and five 10157, for Machines Nos. 23-10 and 23-11 .....
10955	—	Clamp, 2 in., complete, for military work, Nos. 99E, 103D, 105D, 109D, 224D, 233D, 240D, 10155, 10156, 10158, 10159, 10170, 10171, 10174, 10176, 10177, 10181, 10182, 10184, 10187, 10762, 10763, 10766 to 10768, 10837 to 10839, 10841 to 10843, 10845, 18581, 18582, two each 192D, 223E, 247F, 397E, 402D, 10160, 10161, 10173, 10195, 10834, 10835, four each 10157 and 10836, for Machine No. 23-16 .....
10956	—	Clamp, $1\frac{1}{2}$ in., complete, for military work, Nos. 99E, 103D, 105D, 109D, 224D, 233D, 240D, 10158, 10159, 10170, 10171, 10174, 10176, 10177, 10181, 10182, 10184, 10187, 10817 to 10820, 10824, 10825, 10828, 10832, 10833, 10837 to 10839, 10841 to 10843, 10845, two each 192D, 223E, 247F, 397E, 402D, 10160, 10161, 10173, 10195, 10834, 10835, four each 10157 and 10836, for Machines Nos. 23-10 and 23-11 .....
10957	417	Feed Wheel with 401E, 10962, 10963, 10967 and three 756E, for $1\frac{1}{4}$ in. buttonhole, for Machines Nos. 23-9 and 23-30 .....
10958	—	Feed Wheel with 10524, 10964, 10965 and four 401E, for $1\frac{1}{2}$ in. buttonhole, for Machines Nos. 23-9 and 23-30 .....
10959	—	Feed Wheel with 207c, 401E, 10895, 10962, 10963, 10967 and three 756E, for $1\frac{1}{4}$ in. buttonhole, for Machines Nos. 23-10 and 23-12 .....
10960	—	Feed Wheel with 207c, 10524, 10895, 10964, 10965 and four 401E, for $1\frac{1}{2}$ in. buttonhole, for Machines Nos. 23-10 and 23-12 .....
10962	—	Feed Wheel Cam Groove Protector, $1\frac{1}{4}$ in. (inside), for 10957 and 10959 .....

No.	Plate	Name
10963	—	Feed Wheel Cam Groove Protector, 1 $\frac{1}{8}$ in. (outside), for 10957 and 10959 .....
10964	—	Feed Wheel Cam Groove Protector, 1 $\frac{1}{2}$ in. (inside), for 10958, 10960 and 18565 .....
10965	—	Feed Wheel Cam Groove Protector, 1 $\frac{1}{2}$ in. (outside), for 10958, 10960 and 18565 .....
10967	—	Feed Wheel Latch, 1 $\frac{1}{8}$ in., for 10957 and 10959 .....
10970	—	Feed Wheel with 207c, 10705, 10895, 10972, 10973, two each 401E and 756E, for 1 $\frac{1}{8}$ in. buttonhole, for Machine No. 23-4 .....
10972	—	Feed Wheel Cam Groove Protector, 1 $\frac{1}{8}$ in. (inside), for 10970 .....
10973	—	Feed Wheel Cam Groove Protector, 1 $\frac{1}{8}$ in. (outside), for 10970 .....
10975	—	Feed Wheel with 207c, 756E, 10705, 10895, 10977, 10978 and three 401E, for 1 $\frac{1}{8}$ in. buttonhole, for Machine No. 23-11 .....
10977	—	Feed Wheel Cam Groove Protector, 1 $\frac{1}{8}$ in. (inside), for 10975 .....
10978	—	Feed Wheel Cam Groove Protector, 1 $\frac{1}{8}$ in. (outside), for 10975 .....
10981	—	Feed Wheel with 207c, 10706, 10895, 10983, 10984 and four 756E, for 1 $\frac{1}{2}$ in. buttonhole, for Machine No. 23-4 .....
10983	—	Feed Wheel Cam Groove Protector, 1 $\frac{1}{2}$ in. (inside), for 10981 .....
10984	—	Feed Wheel Cam Groove Protector, 1 $\frac{1}{2}$ in. (outside), for 10981 .....
Nos. 10987 to 11000, for Machine No. 23-22		
10987	4793	Barring Feed Wheel Lever Brake with 10035 .....
10988	4791	Barring Feed Wheel Lever Brake Lever Stop Bracket with 10251 ..
*10989	—	Bed .....
10990	4788	" Plate with 18549 and two 621E (obsolete) .....
10991	4793	Bed Plate Button (Hamburg style)
10993	4793	Driving and Stop Motion Ratchet Lever Pawl Stop .....
10994	4793	Driving and Stop Motion Ratchet Lever Pawl Stop Lever .....

No.	Plate	Name
10995	4793	Driving and Stop Motion Ratchet Lever Pawl Stop Lever Hinge Screw Stud .....
10996	4793	Driving and Stop Motion Ratchet Lever Pawl Stop Lever Lifting Lever .....
10997	4791	Driving and Stop Motion Ratchet Lever Pawl Stop Lever Lifting Lever Washer .....
10998	4793	Driving and Stop Motion Tripping Lever with 1963, 10251 and 10257
10999	4793	Feed Hand Ratchet Pawl with 10035 (obsolete), for Machine No. 23-22
11000	—	Feed Hand Ratchet complete, Nos. Nos. 10034, 10261, 10262 and 18793
14105	—	Cam Groove Protector Pin, for 10940
15648	—	Cutting Punch (hand), for $\frac{3}{8}$ in. eyelet .....
18503	4793	Feed Wheel Friction Block, for Machine No. 23-22 .....
18506	—	Feed Wheel with 10520, 18507, 18508, two each 401E and 756E, for 1 $\frac{1}{8}$ in. buttonhole, for Machines Nos. 23-9 and 23-30 .....
18507	—	Feed Wheel Cam Groove Protector, 1 $\frac{1}{8}$ in. (inside), for 18506 and 18562 .....
18508	—	Feed Wheel Cam Groove Protector, 1 $\frac{1}{8}$ in. (outside), for 18506 and 18562 .....
18547	4788	Bed Plate, for I.B.H. Looper (obsolete), for Machine No. 23-11 .....
18548	422	Cutting Block (brass), $\frac{1}{2}$ in., for 10551
18549	4793	Eye Stop Substitute (obsolete), for 10990 .....
18557	4790	Clamp Check Presser Spring (obsolete) .....
18559	4790	Clamp Check (right), 1 $\frac{1}{2}$ in., for 18560 .....
18560	—	Clamp, 1 $\frac{1}{2}$ in., complete, Nos. 99E, 103D, 105D, 109D, 233D, 240D, 10158, 10159, 10170, 10171, 10174, 10176 to 10185, 10187, 10817 to 10823, 10825, 10828, 18559, two each 176D, 223E, 247F, 397E, 402D, 10160, 10161, 10164, 10172, 10173, 10195 and five 10157, for Machine No. 23-22 .....



No.	Plate	Name
18562	—	Feed Wheel with 207c, 10520, 10895, 18507, 18508, two each 401E and 756E, for 1 $\frac{1}{16}$ in. buttonhole, for Machines Nos. 23-10 and 23-12 ..
18563	4787	Feed Wheel Driving Lever with 129E, for all Machines of Class 23- except No. 23-22 ..
18564	—	Feed Wheel Driving Lever with 129E, for Machine No. 23-22 ..
18565	—	Feed Wheel with 10524, 10964, 10965, 18566, 18567, four each 207c and 401E, for $\frac{1}{2}$ to 1 $\frac{1}{2}$ in. buttonholes, for Machine No. 23-22 ..
18566	4793	Feed Wheel Tripping Point, for $\frac{1}{2}$ in. buttonhole, for 18565 ..
18567	4793	Feed Wheel Tripping Point, for $\frac{3}{4}$ to 1 $\frac{1}{2}$ in. buttonholes, for 18565 ..
18568	416	Bed Plate Button with 240D and 664D, for 18753 and 18754 ..
18569	—	Feed Wheel with 10523, 18570, 18571, two each 401E and 756E, for 1 $\frac{3}{8}$ in. buttonhole, for Machines Nos. 23-9 and 23-30 ..
18570	—	Feed Wheel Cam Groove Protector, 1 $\frac{3}{8}$ in. (inside), for 18569 and 18572 ..
18571	—	Feed Wheel Cam Groove Protector, 1 $\frac{3}{8}$ in. (outside), for 18569 and 18572 ..
18572	—	Feed Wheel with 207c, 10523, 10895, 18570, 18571, two each 401E and 756E, for 1 $\frac{3}{8}$ in. buttonhole, for Machines Nos. 23-10 and 23-12 ..
18573	—	Feed Wheel with 207c, 10708, 10895, 18574, 18575, two each 401E and 756E, for 1 $\frac{3}{8}$ in. buttonhole, for Machine No. 23-11 ..
18574	—	Feed Wheel Cam Groove Protector, 1 $\frac{3}{8}$ in. (inside), for 18573 ..
18575	—	Feed Wheel Cam Groove Protector, 1 $\frac{3}{8}$ in. (outside), for 18573 ..
18576	4793	Eye Stop, for 10632 ..
18578	4795	Clamp Plate, for 10944 and 10954 ..
18579	4792	Feed Wheel Friction Block Spring, for Machine No. 23-16 ..
18580	4792	Looper Carrier with 1824, for Machines Nos. 23-16 and 23-21 ..
18581	4790	Clamp Arm (upper, right) with 10248, for 10955 ..
18582	4790	Clamp Arm (upper, left) with 10248, for 10955 ..

Nos. 18592 to 18610, for Machine No. 23-21

No.	Plate	Name
*18592	—	Bed with 18593 and four 145E, ..
*18593	—	“ Extension, for 18592 ..
18594	479:	“ “ Cover ..
18595	4788	“ Plate, for 18596 and 18887 ..
18596	—	Bed Plate complete, Nos. 10024, 10132, 10134, 10879, 18595, two each 10135, 10136 and three 405E (obsolete) ..

Nos. 18597 to 18603, for 18604

18597	1757	Clamp Arm (lower, right) ..
18598	1757	“ “ (lower, left) ..
18599	1757	“ “ (upper, right) with 10165 ..
18600	1757	“ “ (upper, left) with 10165 ..
18601	1757	“ Check (right) ..
18602	1757	“ “ (left) ..
18603	1757	“ Plate ..
18604	—	Clamp, 2 $\frac{1}{2}$ in., complete, Nos. 99E, 103D, 105D, 109D, 233D, 240D, 10155, 10156, 10158, 10159, 10170, 10171, 10174, 10176 to 10185, 10187, 10821, 18597 to 18603, two each 176D, 223E, 247E, 397E, 402D, 10160, 10161, 10164, 10172, 10173, 10195 and five 10157 ..
18605	422	Cutting Block (brass), 1 $\frac{3}{8}$ inch ..
18606	4790	Feed Hand Ratchet Lever, for 18607 and 18880 ..
18607	—	Feed Hand Ratchet complete, Nos. 10032, 10034, 18606 and 18792 (obsolete) ..
18608	—	Feed Wheel with 18609, for 2 $\frac{1}{2}$ in. buttonhole ..
18609	—	Feed Wheel Latch, for 18608 ..
18610	4792	Knife Holder with 209E and two 10556 ..
18619	4793	Bed Plate Protector, for 1 $\frac{1}{8}$ to 1 $\frac{1}{2}$ in. buttonholes, for 18622, 18628, 18799 and 18803 ..
18620	4793	Bed Plate Protector (left), for $\frac{1}{2}$ to 1 in. buttonholes, for 18638, 18801 and 18805 ..
18621	4793	Bed Plate Protector (right), for $\frac{1}{2}$ to 1 in. buttonholes, for 18638, 18801 and 18805 ..

No.	Plate	Name
18622	4783	Bed Plate with two 18619 and four 405E, for $1\frac{1}{8}$ to $1\frac{1}{2}$ in. buttonholes (obsolete), for Machines Nos. 23-9, 23-10 and 23-12 .....
18628	4789	Bed Plate with two 18619 and four 405E, for $1\frac{1}{8}$ to $1\frac{1}{2}$ in. buttonholes (obsolete), for Machine No. 23-11 .....
18638	4789	Bed Plate with 18620, 18621 and four 405E, for 2 in. buttonholes, for 18813 .....
18642	4789	Bed Plate with 18646, 18647 and four 405E (obsolete), for Machine No. 23-22 .....
18646	4793	Bed Plate Protector (left), for 18642 and 18811 .....
18647	4793	Bed Plate Protector (right), for 18642 and 18811 .....
18659	—	Clamp (military), $1\frac{1}{2}$ in., complete, Nos. 99E, 103D, 105D, 109D, 224D, 233D, 240D, 10158, 10159, 10170, 10171, 10174, 10176, 10177, 10181, 10182, 10184, 10187, 10573, 10817 to 10820, 10824, 10825, 10832, 10833, 10837 to 10839, 10841 to 10843, 10845, two each 192D, 223E, 247D, 397E, 402D, 10160, 10161, 10173, 10195, 10834, 10835, four each 10157 and 10836, for Machines Nos. 23-9 and 23-12 .....

Nos. 18679 to 18688, for Machine No. 23-30

18679	—	Knife, $\frac{1}{2}$ in. (medium size eye) ....
18680	—	" $\frac{3}{8}$ in. (medium size eye) ....
18681	—	" $\frac{5}{8}$ in. (medium size eye) ....
18682	—	" $1\frac{1}{8}$ in. (medium size eye) ....
18683	—	" $\frac{3}{4}$ in. (medium size eye) ....
18684	—	" $\frac{7}{8}$ in. (medium size eye) ....
18685	—	" 1 in. (medium size eye) ....
18686	—	" $1\frac{1}{8}$ in. (medium size eye) ....
18687	—	" $1\frac{1}{4}$ in. (medium size eye) ....
18688	4791	" $1\frac{1}{2}$ in. (medium size eye) ....

Nos. 18697 to 18700, for 18747

18697	4795	Thread (upper) Cord Guide .....
18698	4795	" " " Bracket .....
18699	4795	" " " " Hinge Pin and Thread Eyelet .....
18700	4795	Thread (upper) Cord Guide Lock Spring .....

No.	Plate	Name
18747	4793	Thread (upper) Cord Guide complete, Nos. 10157 and 18697 to 18700, for Machines Nos. 23-9 to 23-12, 23-16, 23-21, 23-22 and 23-30 .....
18750	4791	Cutting Block (brass), $\frac{1}{2}$ in., for 10632, for Machines Nos. 23-9 to 23-12, 23-22 and 23-30 .....
18751	4791	Cutting Block (brass), $\frac{3}{8}$ in., for 10632, for Machines Nos. 23-9 to 23-12, 23-22 and 23-30 .....
18752	—	Bed Plate Clamp Stop Stud, for 18797 and 18798 .....
18753	—	Bed Plate complete, for $1\frac{1}{8}$ to $1\frac{1}{2}$ in. buttonholes, Nos. 10024, 10132, 10134, 18568, 18800, two each 10135, 10136 and three 405E, for Machine No. 23-10 .....
18754	—	Bed Plate complete, for $\frac{1}{2}$ to 1 in. buttonholes, Nos. 10024, 10132, 10134, 18568, 18802, two each 10135, 10136 and three 405E, for Machine No. 23-10 .....
18755	—	Bed Plate complete, for $1\frac{1}{8}$ to $1\frac{1}{2}$ in. buttonholes, Nos. 10024, 10132, 10134, 10503, 18800, two each 10135, 10136 and three 405E, for Machine No. 23-9 .....
18756	—	Bed Plate complete, for $\frac{1}{2}$ to 1 in. buttonholes, Nos. 10024, 10132, 10134, 10503, 18802, two each 10135, 10136 and three 405E, for Machine No. 23-9 .....
18757	—	Bed Plate complete, for $1\frac{1}{8}$ to $1\frac{1}{2}$ in. buttonholes, Nos. 10024, 10306, 10637, 18804 and three 405E, for Machine No. 23-11 .....
18758	—	Bed Plate complete, for $\frac{1}{2}$ to 1 in. buttonholes, Nos. 10024, 10306, 10637, 18806 and three 405E, for Machine No. 23-11 .....
18759	—	Bed Plate complete, for $1\frac{1}{8}$ to $1\frac{1}{2}$ in. buttonholes, Nos. 10024, 10575, 18800 and three 405E, for Machine No. 23-12 .....
18760	—	Bed Plate complete, for $\frac{1}{2}$ to 1 in. buttonholes, Nos. 10024, 10575, 18802 and three 405E, for Machine No. 23-12 .....

No.	Plate	Name
18763	---	Bed Plate complete, Nos. 10024, 10306, 10637, 18812 and three 405E, for Machine No. 23-22 .....
18790	4792	Feed Hand Ratchet Pawl with 18791, for 10036 .....
18791	4791	Feed Hand Ratchet Pawl Spring Hook, for 18790, 18792, 18793, 18877 and 18879 .....
18792	4792	Feed Hand Ratchet Pawl with 18791, for 10886 and 18607, for Machine No. 23-16 .....
18793	----	Feed Hand Ratchet Pawl with 18791, for 11000 .....
18797	4792	Bed Plate Clamp Stop (left) with 18752, for 18800, 18802, 18804, 18806, 18812 and 18813 .....
18798	4792	Bed Plate Clamp Stop (right) with 18752, for 18800, 18802, 18804, 18806, 18812 and 18813 .....
18799	4789	Bed Plate with two 18619 and four 405E, for 1 $\frac{1}{8}$ to 1 $\frac{1}{2}$ in. buttonholes, for 18800 .....
18800	----	Bed Plate 18799 with 18797, 18798 and four 231c, for 18753, 18755, 18759 and 18838 .....
18801	----	Bed Plate with 18620, 18621 and four 405E, for $\frac{1}{2}$ to 1 in. buttonholes, for 18802 .....
18802	----	Bed Plate 18801 with 18797, 18798 and four 231c, for 18754, 18756, 18760 and 18839 .....
18803	4789	Bed Plate with two 18619 and four 405E, for 1 $\frac{1}{8}$ to 1 $\frac{1}{2}$ in. buttonholes, for 18804 .....
18804	----	Bed Plate 18803 with 18797, 18798 and four 231c, for 18757 .....
18805	----	Bed Plate with 18620, 18621 and four 405E, for $\frac{1}{2}$ to 1 in. buttonholes, for 18806 .....
18806	----	Bed Plate 18805 with 18797, 18798 and four 231c, for 18758 .....
18811	4789	Bed Plate with 18646, 18647 and four 405E, for 18812 .....
18812	----	Bed Plate 18811 with 18797, 18798 and four 231c, for 18763 .....
18813	----	Bed Plate 18638 with 18797, 18798 and four 231c, for 18814 .....

No.	Plate	Name
18814	---	Bed Plate complete, Nos. 10024, 10132, 10134, 10879, 18813, two each 10135, 10136 and three 405E, for Machine No. 23-16 .....
18820	1784	Arm Shaft (horizontal) Gear with 453c, for all Machines of Class 23- except Nos. 23-22 and 23-30 .....
18821	1784	Arm Shaft (upright) Gear with 453c, for all Machines of Class 23- except Nos. 23-22 and 23-30 .....
18826	4790	Needle Bar Frame Cam with two 445c, for Machine No. 23-30 .....
Nos. 18837 to 18846, for Machine No. 23-30		
18837	4792	Bed Plate Button with 240D and 664D, for 18838 and 18839 .....
18838	---	Bed Plate complete, for 1 $\frac{1}{8}$ to 1 $\frac{1}{2}$ in. buttonholes, Nos. 10024, 10134, 18800, 18837, 18846, two each 10135, 10136 and three 405E .....
18839	---	Bed Plate complete, for $\frac{1}{2}$ to 1 in. buttonholes, Nos. 10024, 10134, 18802, 18837, 18846, two each 10135, 10136 and three 405E .....
18840	4795	Clamp Plate, for 18841 and 18842 ..
18841	----	Clamp, 1 $\frac{1}{2}$ in., complete, Nos. 99E, 103D, 105D, 109D, 233D, 240D, 10158, 10159, 10170, 10171, 10174, 10176 to 10185, 10187, 10817 to 10823, 10826, 10827, 18840, two each 176D, 223E, 247E, 397E, 402D, 10160, 10161, 10164, 10172, 10173, 10195 and five 10157 .....
18842	----	Clamp, 1 $\frac{1}{2}$ in., complete, Nos. 99E, 103D, 105D, 109D, 233D, 240D, 10158, 10159, 10170, 10171, 10174, 10176 to 10185, 10187, 10817 to 10825, 18840, two each 176D, 223E, 247E, 397E, 402D, 10160, 10161, 10164, 10172, 10173, 10195 and five 10157 .....
18843	4791	Looper (long) .....
18844	4791	Thread (under) Take-up Spring ...
18845	4791	" (upper) Take-up Spring .....
18846	4792	Spreader (right) with 99c and 10136, for 18838 and 18839 .....
18870	----	Knife Holder Lifting Rock Shaft, for Machines Nos. 23-16 and 23-21
18872	----	Cutting Block (brass), 1 $\frac{1}{4}$ in., for Machine No. 23-16 .....

No.	Plate	Name
18874	---	Cutting Block (brass), 1½ in., for Machine No. 23-16 .....
18875	---	Cutting Block (brass), 1¾ in., for Machine No. 23-16 .....
18876	----	Needle Bar Packing Cord .....
18877	---	Feed Hand Ratchet Pawl with 18791, for 18878 .....
18878	---	Feed Hand Ratchet complete, Nos. 10034, 10261, 10262 and 18877, for Machines Nos. 23-3, 23-4 and 23-10 to 23-12 .....
18879	---	Feed Hand Ratchet Pawl with 18791, for 18880 .....
18880	---	Feed Hand Ratchet complete, Nos. 10032, 10034, 18606 and 18879, for Machine No. 23-21 .....
18886	----	Bed Plate Button with 240D and 664D, for 18887 .....
18887	----	Bed Plate complete, Nos. 10024, 10132, 10134, 18595, 18886, two each 10135, 10136 and three 405E, for Machine No. 23-21 .....
18888	---	Barring Feed Wheel Lever Brake Lever Spring, for Machine No. 23-22 .....
18889	---	Bed Plate Button, for 18891 .....
18890	----	" " Adjustable Gimp and Needle Plate, for 18891 .....
18891	----	Bed Plate Button complete, Nos. 18889, 18890 and 18892, for Machine No. 23-10 .....
18892	----	Bed Plate Button Adjustable Gimp and Needle Plate Drift, for 18891 .....
18894	---	Feed Shipper Lever with 1814, for buttonholes from ½ to 1¼ in. long, for Machines Nos. 23-9 to 23-12, 23-16, 23-21, 23-22 and 23-30 .....
18895	---	Feed Wheel Cam Groove Protector, 1½ in. (inside), for 10940 .....
18896	---	Feed Wheel Cam Groove Protector, 1½ in. (outside), for 10940 .....
26026	1784	Screw Driver, Nos. 120088 and 120090, for all Machines of Class 23- except No. 23-30 .....
27070	---	Driving Attachment Shaft Driving Pulley (sectional, grooved), 10 in. diam., 1¾ in. bore, with two 597c, for 10847 .....
27639	4794	Driving Attachment Treadle Pitman Rod, for 60626 .....

No.	Plate	Name
36569	---	Oiler with 36571, for 36570 .....
36570	---	" 36569 filled with oil, for all Machines of Class 23- except No. 23-30 .....
36571	---	Oiler Spout, 1¾ in. long, with 36807, for 36569 .....
36807	---	Oiler Spout Washer (leather), for 36571 .....
50021D	---	Tension (under thread) Screw Stud, for all Machines of Class 23- except Nos. 23-22 and 23-30 .....
50581R	---	Driving Attachment Treadle Extension Screw, for 126037 .....
60626	---	Driving Attachment Treadle Pitman complete, Nos. two each 9079 and 27639, for 126040 .....
*120088	---	Screw Driver Blade, for 26026 .....
*120090	---	" " Handle, for 26026 .....
120341	---	Tweezers (curved) .....
126036	----	Driving Attachment Treadle, for 126037 .....
126037	----	Driving Attachment Treadle 126036 with 2718R, 50581R and 126038, for 126039 .....
126038	----	Driving Attachment Treadle Extension, for 126037 .....
126039	----	Driving Attachment Treadle complete, Nos. 126037, 204127 and 204128, for 126040 .....
126040	----	Driving Attachment Treadle and Pitman complete, Nos. 60626 and 126039, for 10847 .....
204127	----	Driving Attachment Treadle Stand (left) with two wood screws 1 in., No. 13, for 126039 .....
204128	----	Driving Attachment Treadle Stand (right) with two wood screws 1 in., No. 13, for 126039 .....
234464	---	Cutting Punch (hand), for ⅜ in. eyelet .....
234465	---	Cutting Punch (hand), for ⅝ in. eyelet .....
234471	---	Cutting Punch (hand), for ¾ in. eyelet .....
234472	---	Cutting Punch (hand), for ⅞ in. eyelet .....
234474	---	Cutting Punch (hand), for 1 in. eyelet .....

**ILLUSTRATIONS OF PARTS**

**FOR**

**MACHINES**

**Nos. 23-1, 23-3, 23-4, 23-9 to**

**23-12, 23-16, 23-21,**

**23-22 and 23-30**

PLATE 416—ONE-HALF SIZE

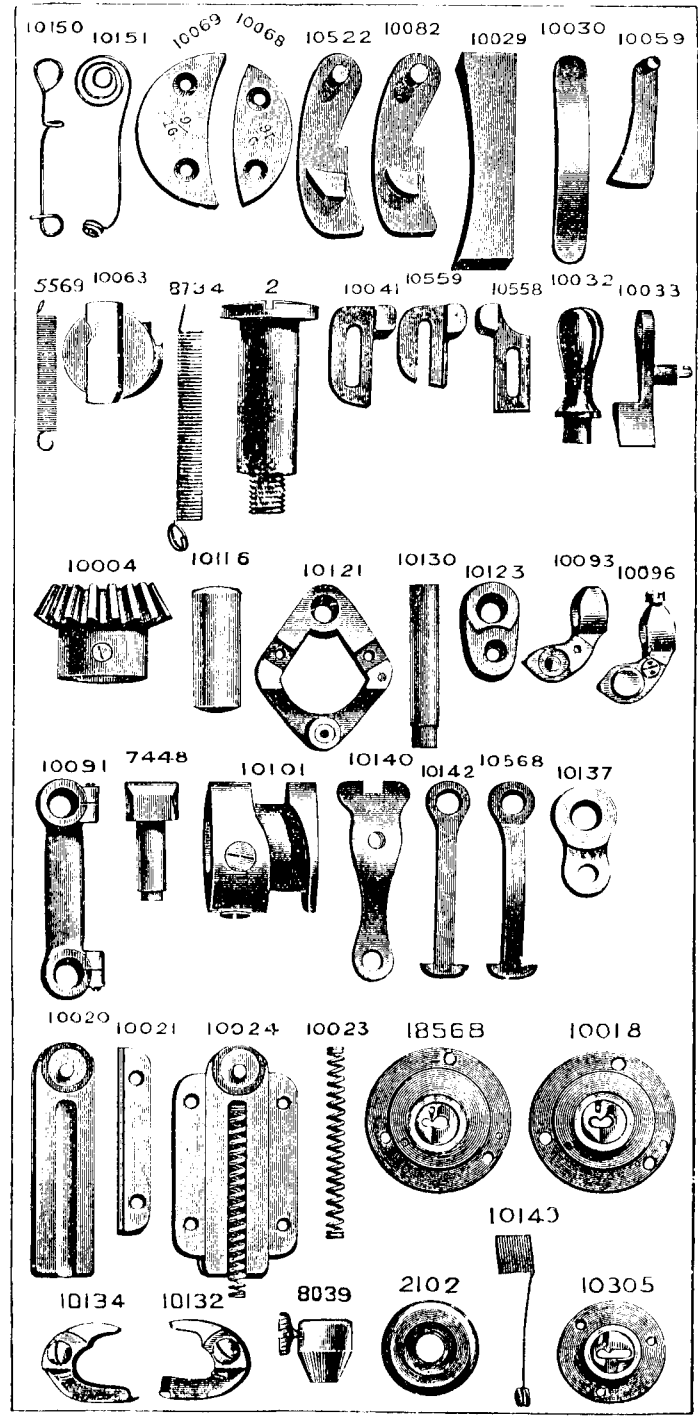


PLATE 417—ONE-SIXTH SIZE

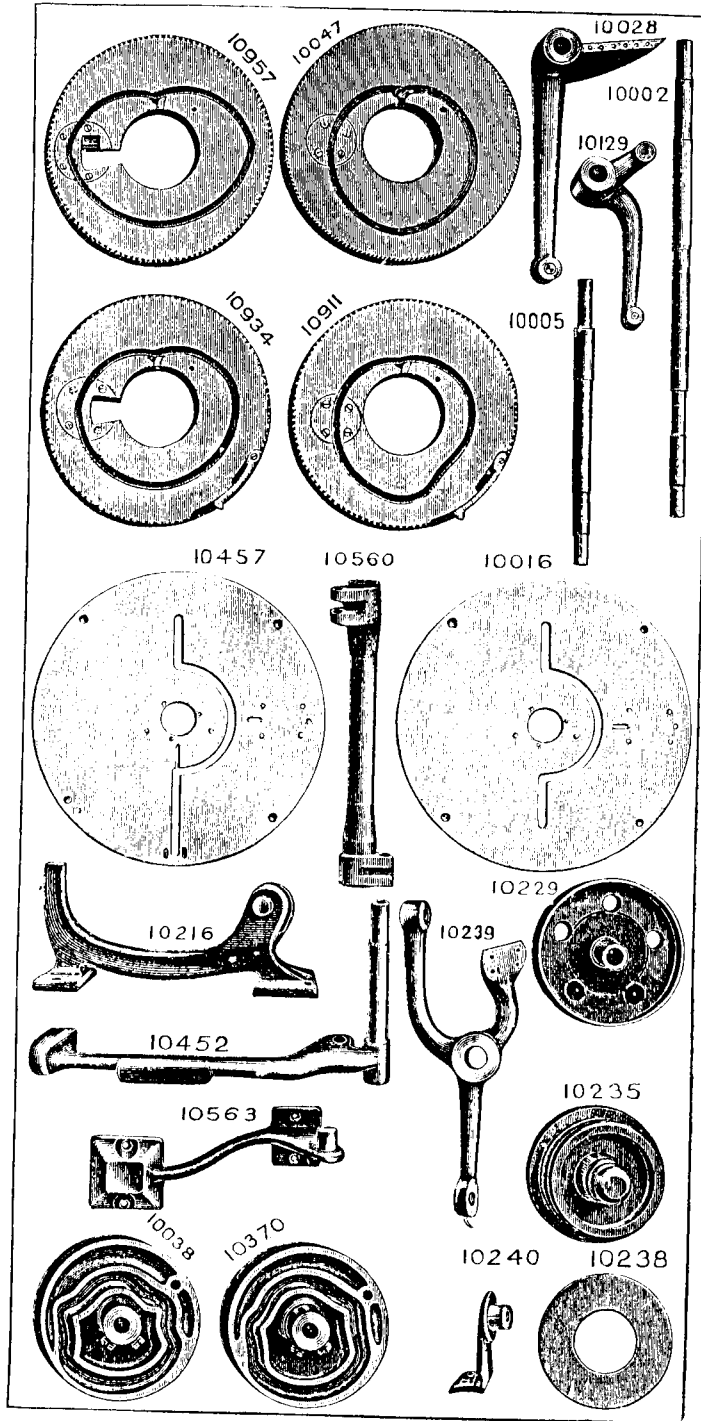


PLATE 418—ONE-THIRD SIZE

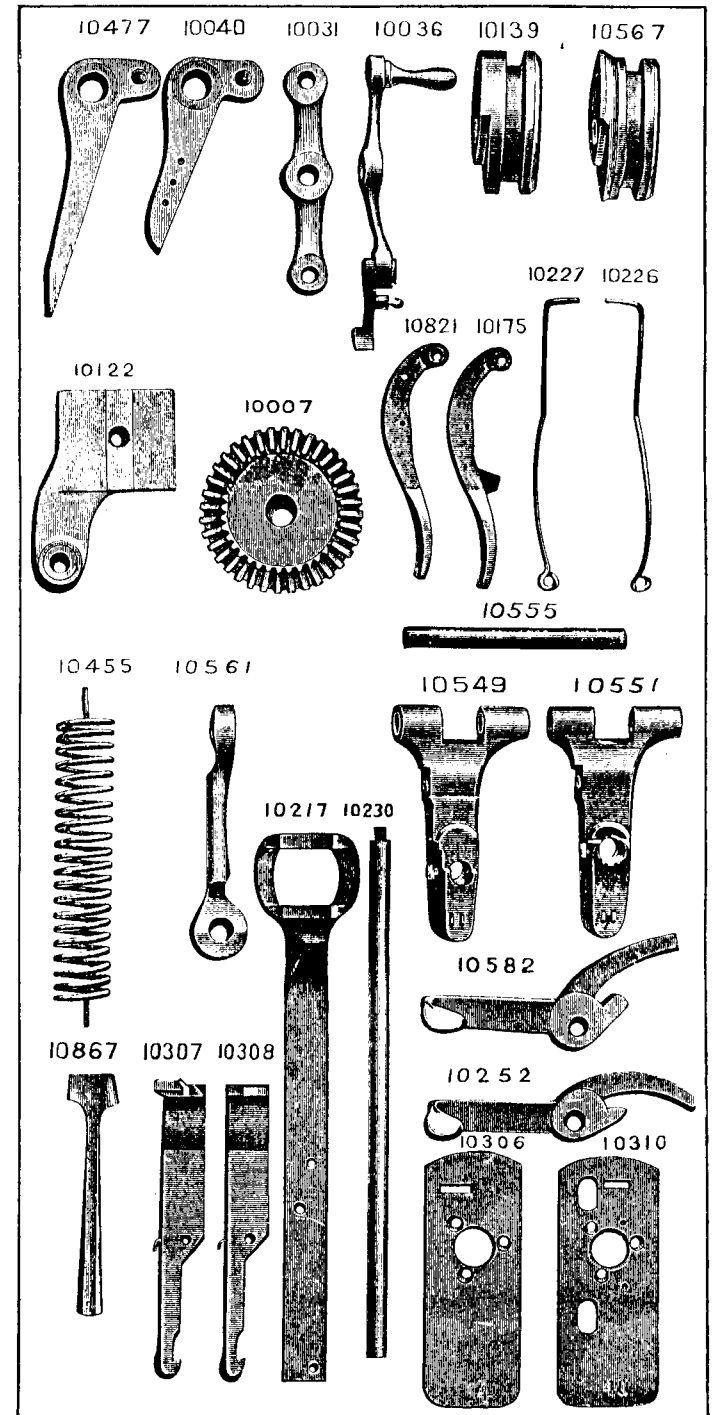


PLATE 419—ONE-HALF SIZE

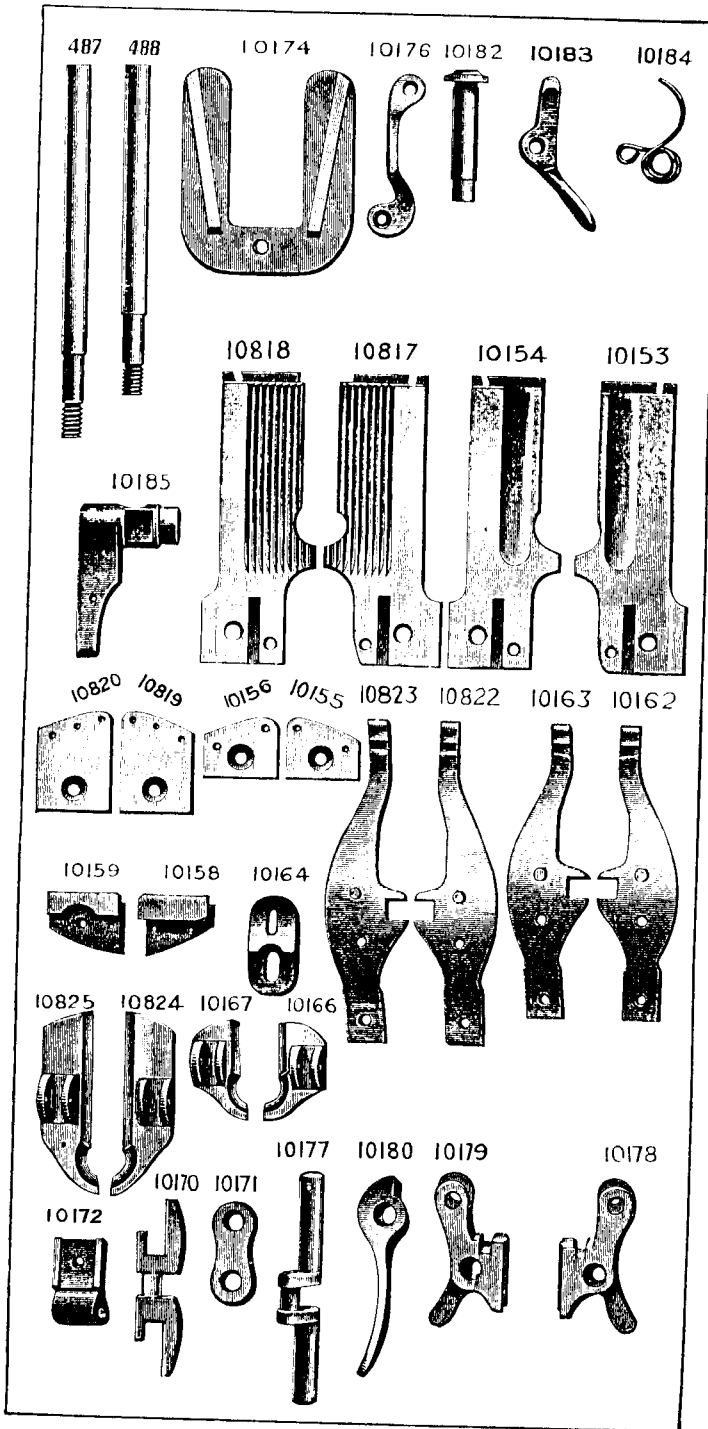


PLATE 420—ONE-HALF SIZE

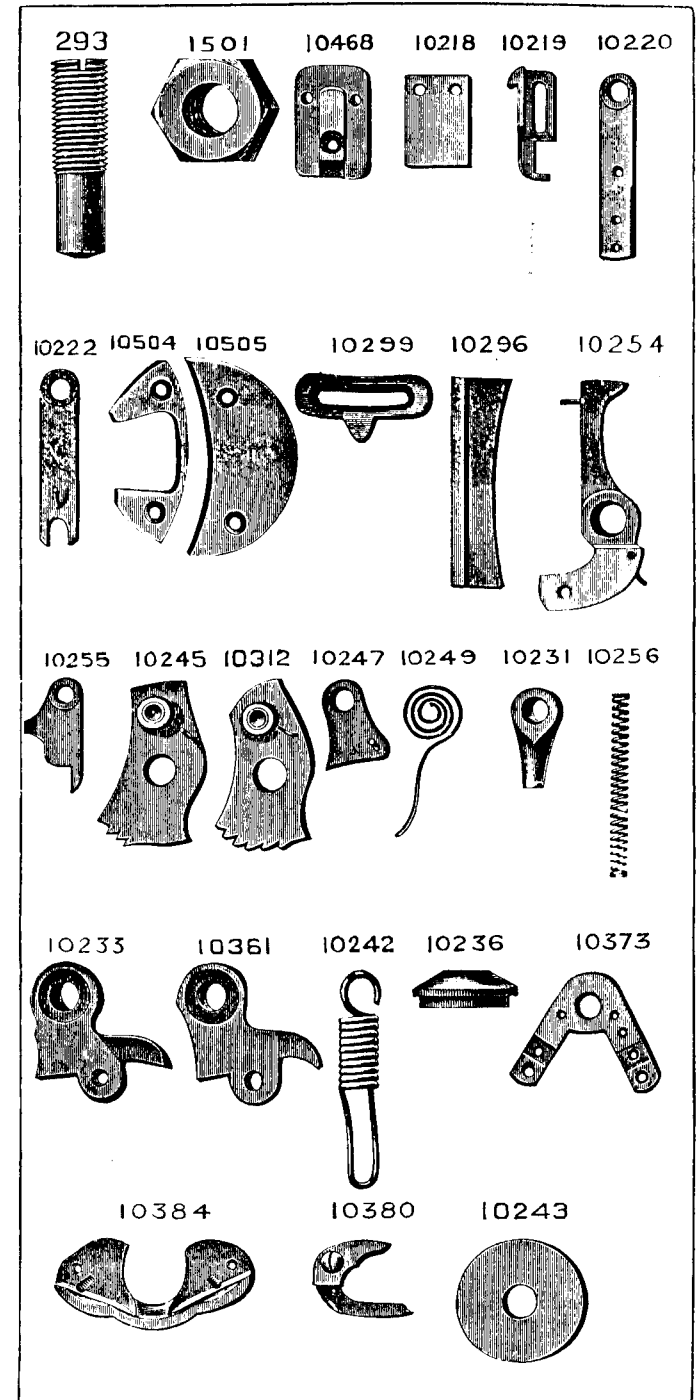




PLATE 421—FULL SIZE

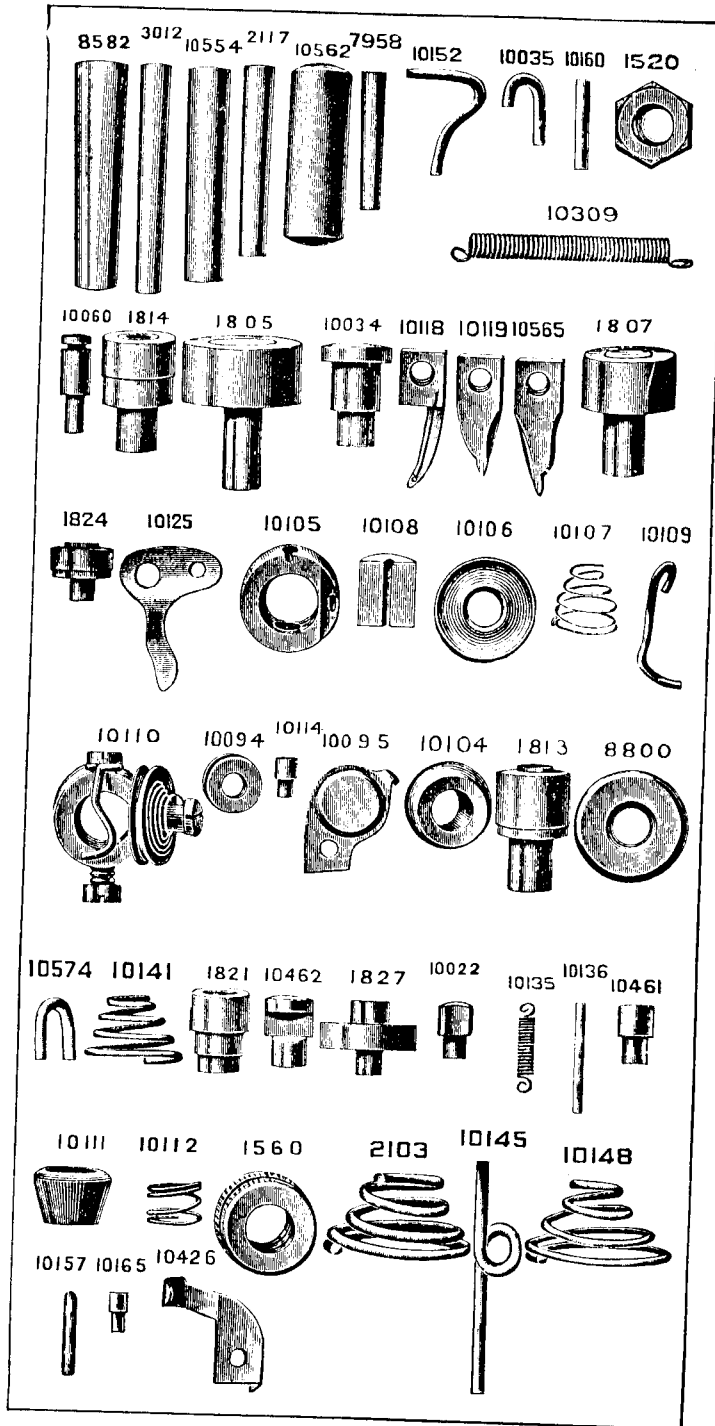


PLATE 422—ONE-HALF SIZE

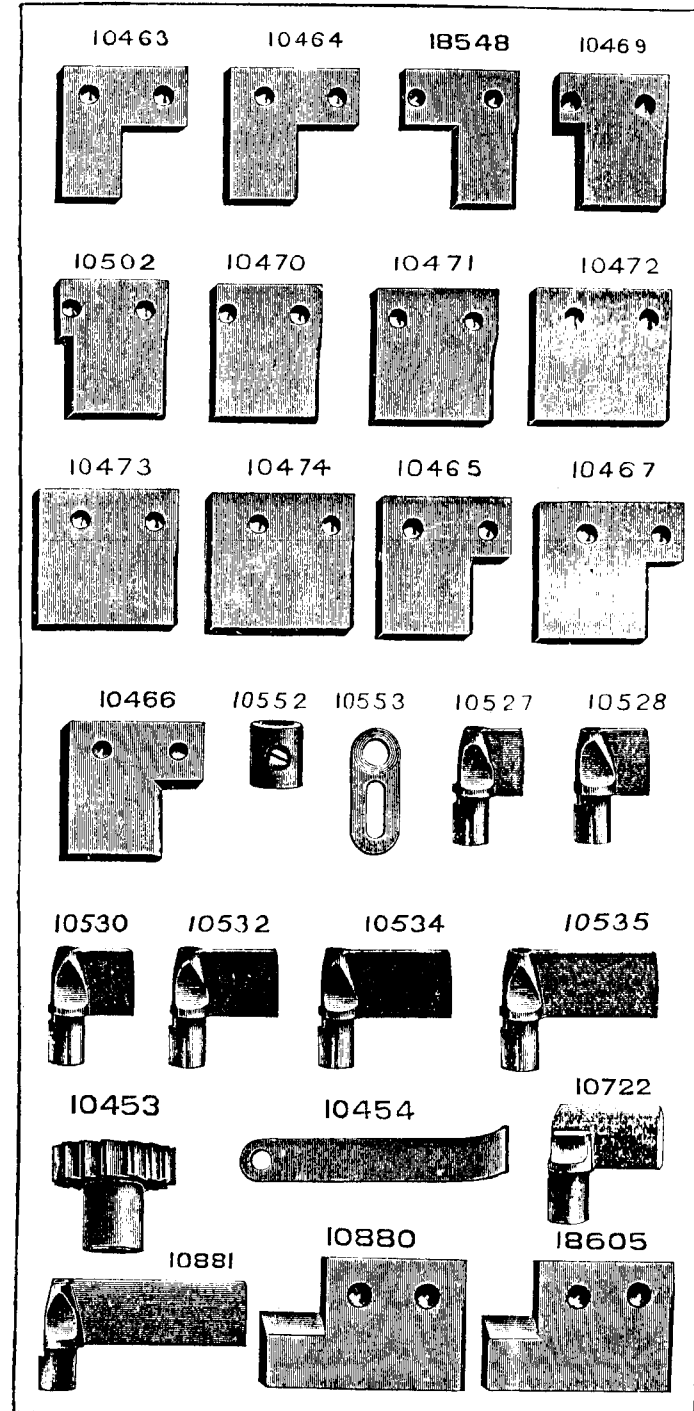


PLATE 423—FULL SIZE

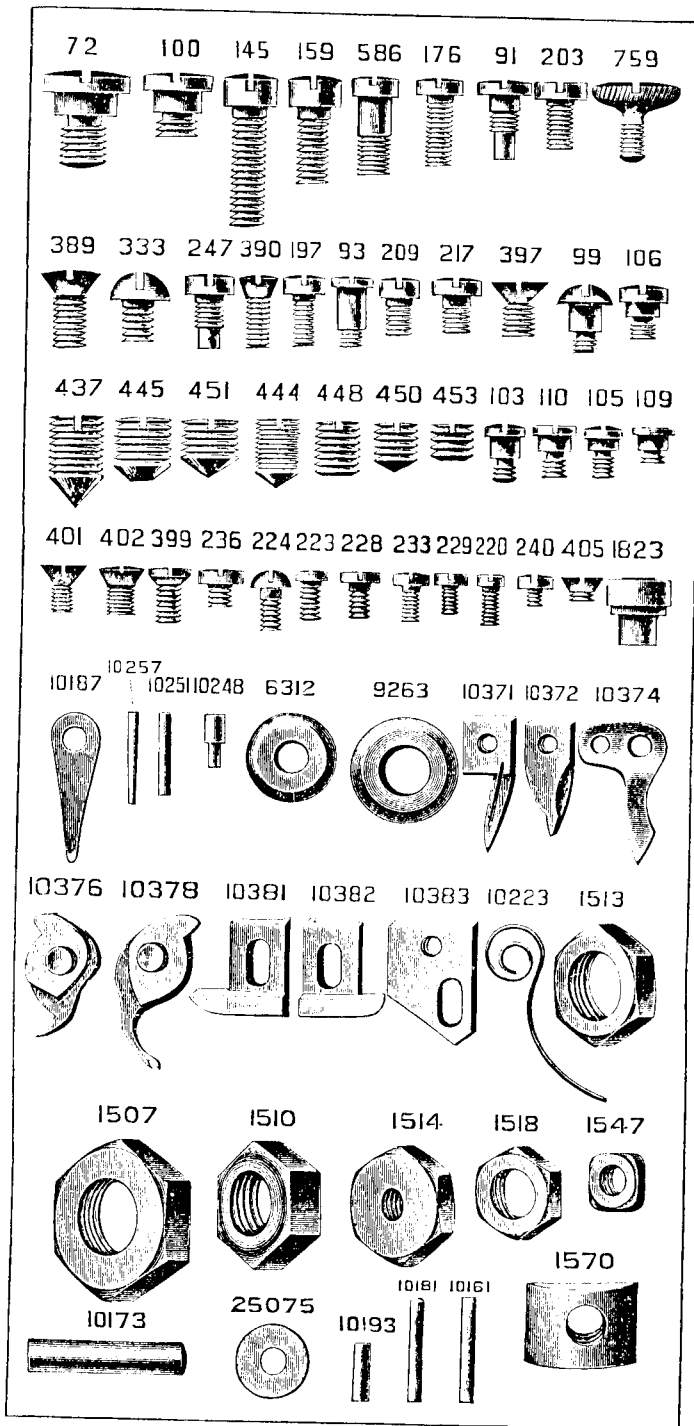


PLATE 1757—ONE-HALF SIZE

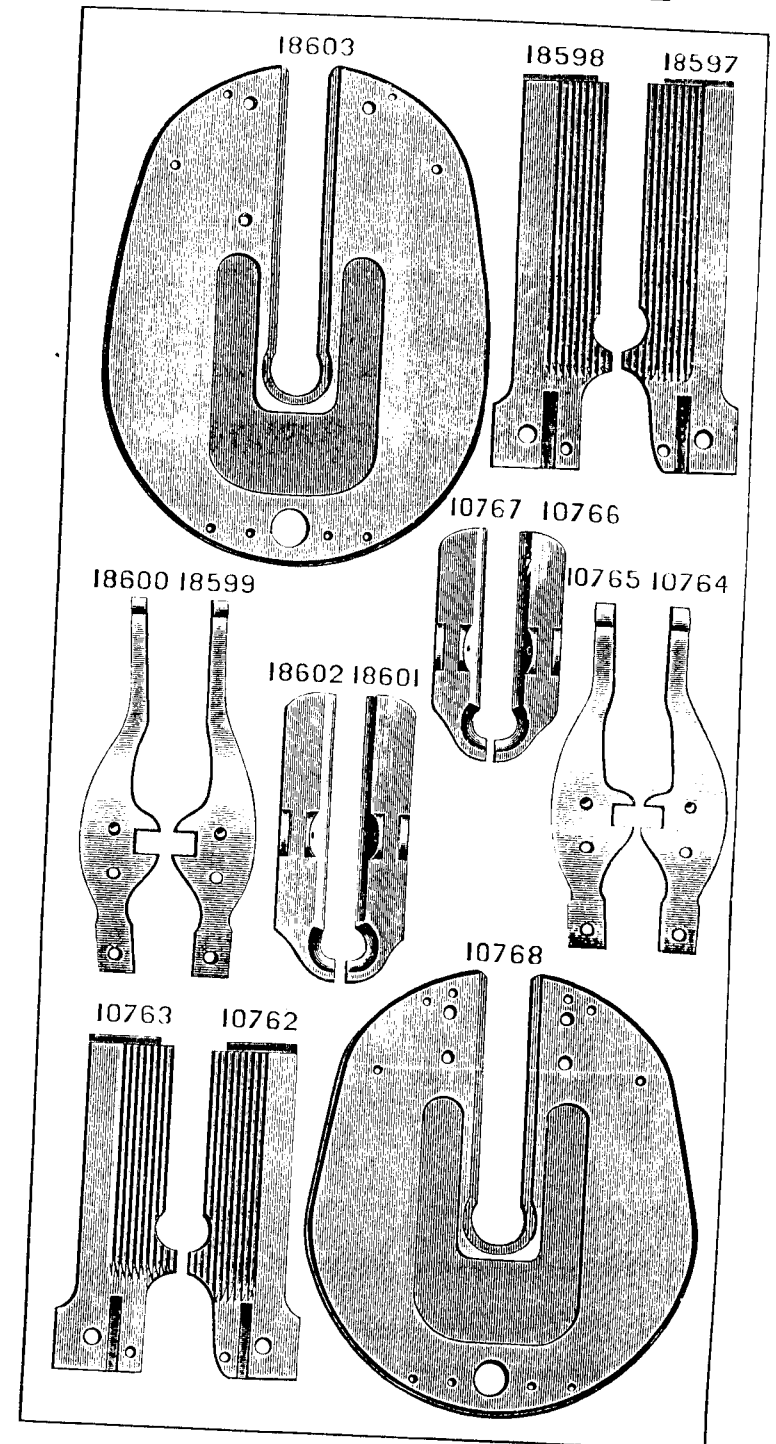


PLATE 1784—ONE-HALF SIZE

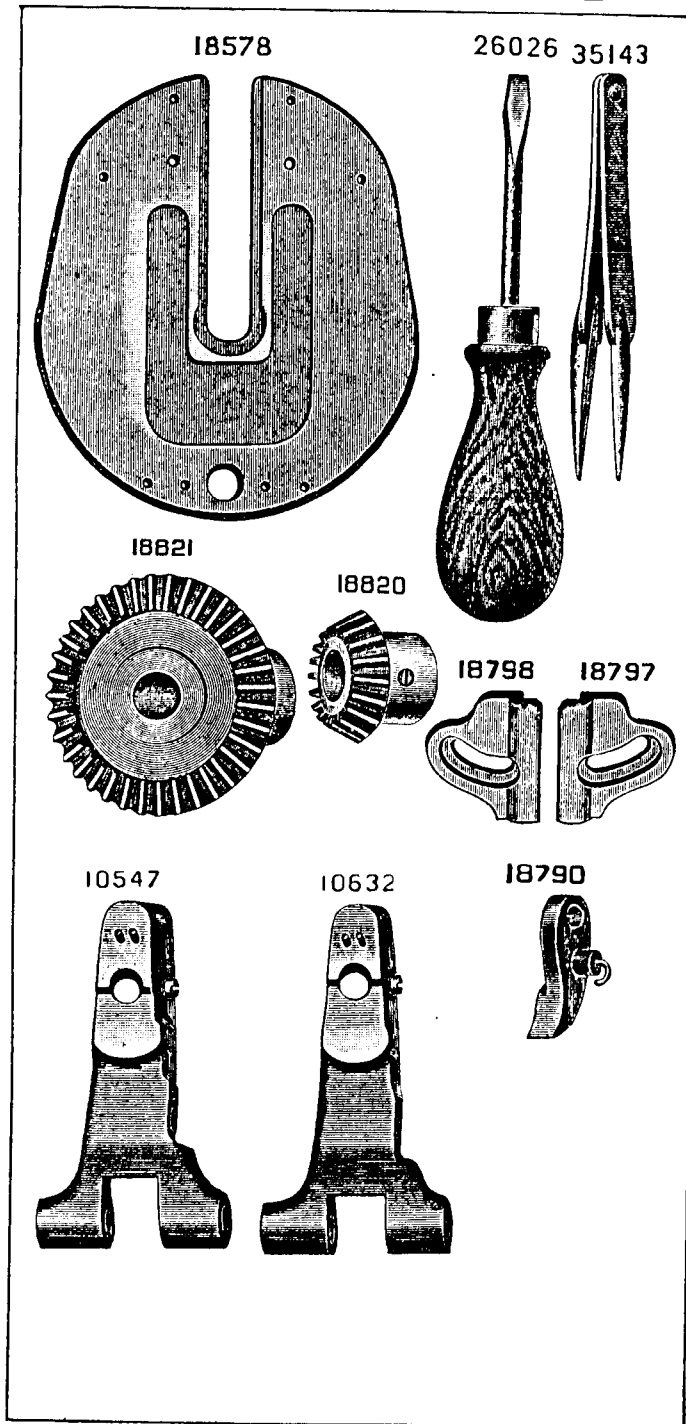


PLATE 1797—FULL SIZE

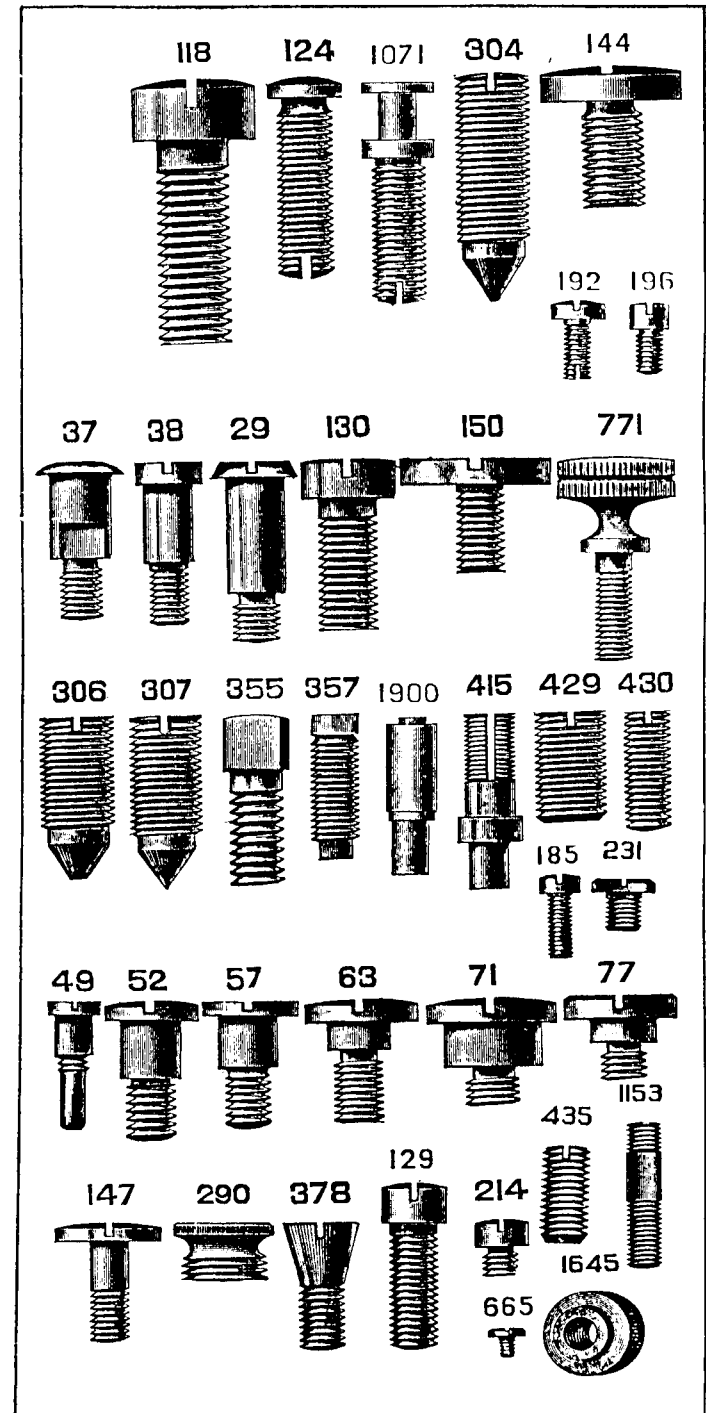


PLATE 4787—ONE-FOURTH SIZE

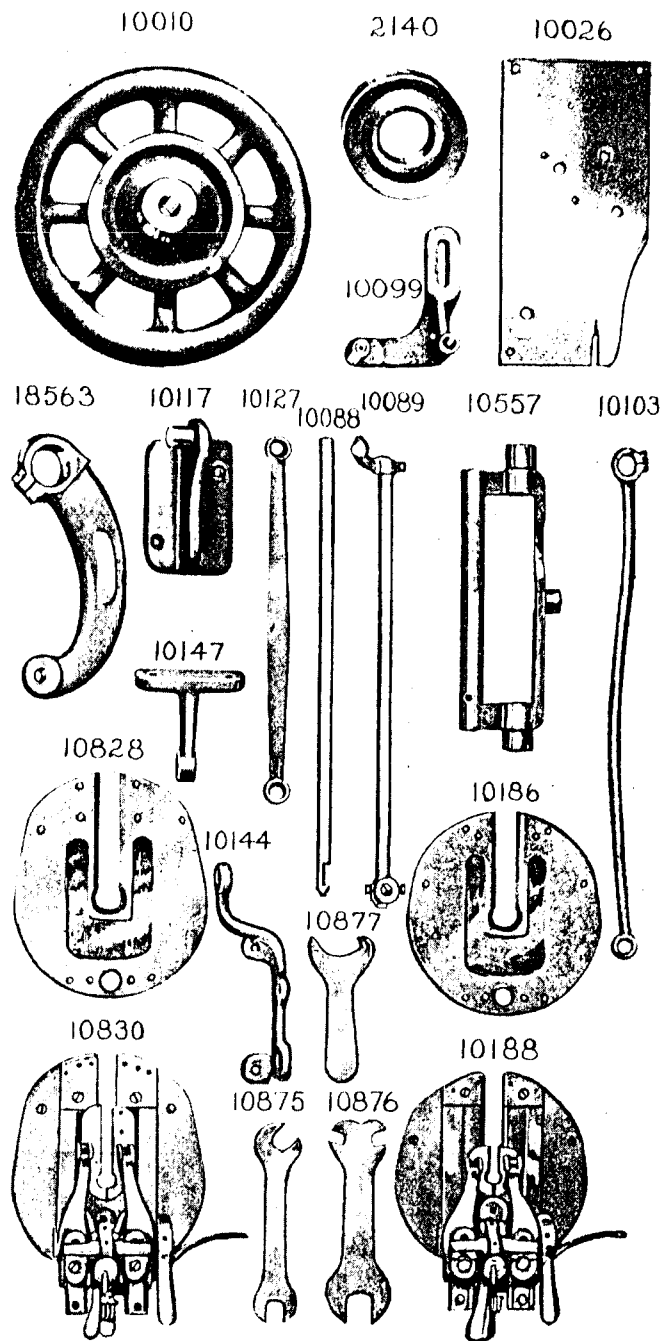


PLATE 4788—ONE-SIXTH SIZE

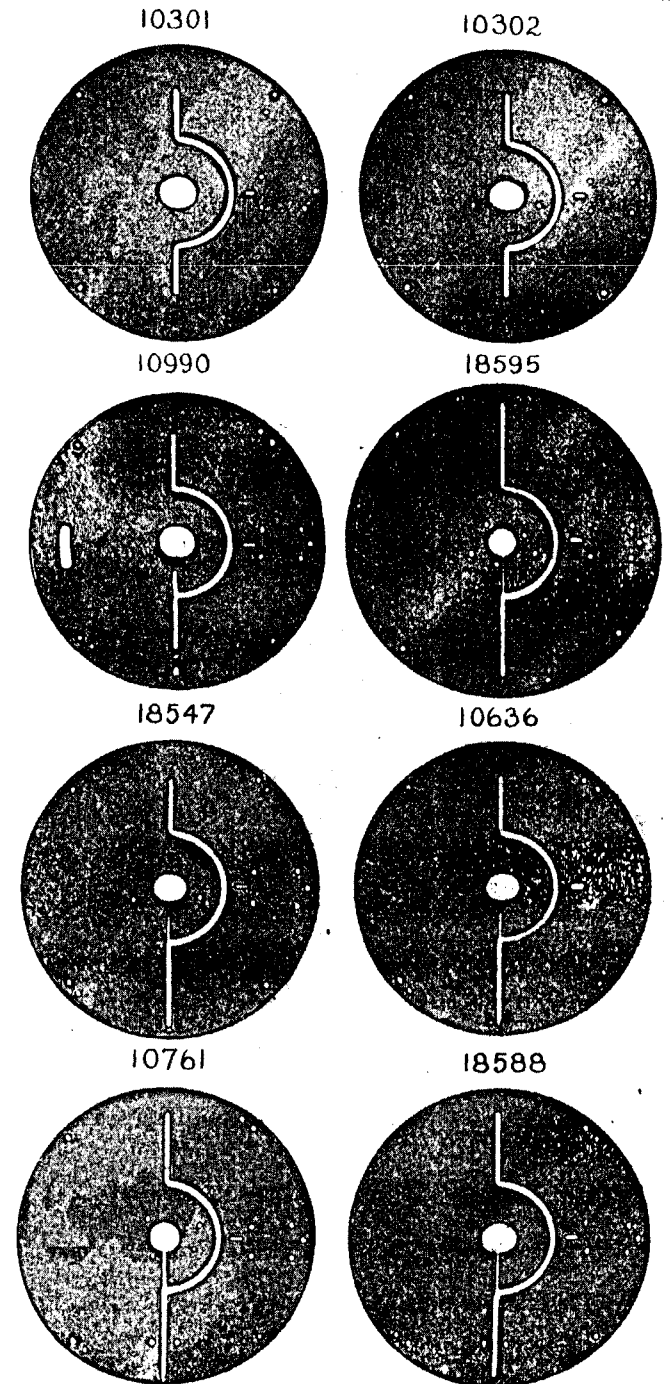
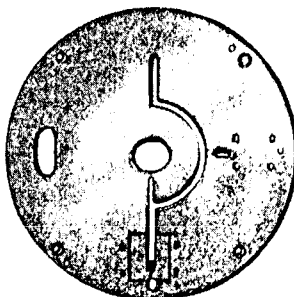


PLATE 4789—ONE-SIXTH SIZE

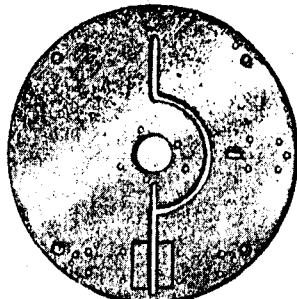
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18642



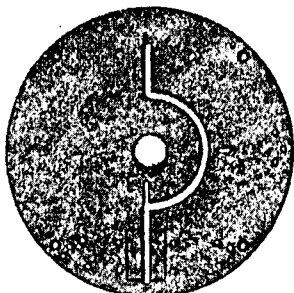
18799



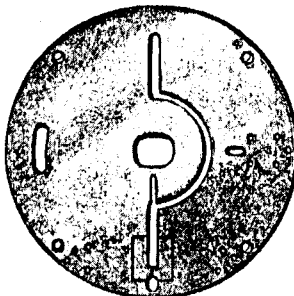
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18622



18811

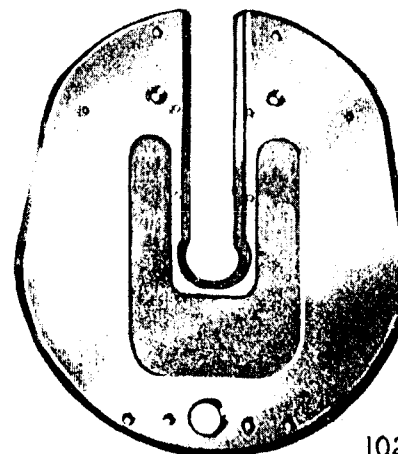


18628



PLATE 4790—ONE-HALF SIZE

10573



15647



18606



10206



10205



10503



18582



18581



10827



10826



18559



10168



18557



10401



10400



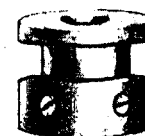
10190



10189



18826



10192



10191



PLATE 4791—FULL SIZE

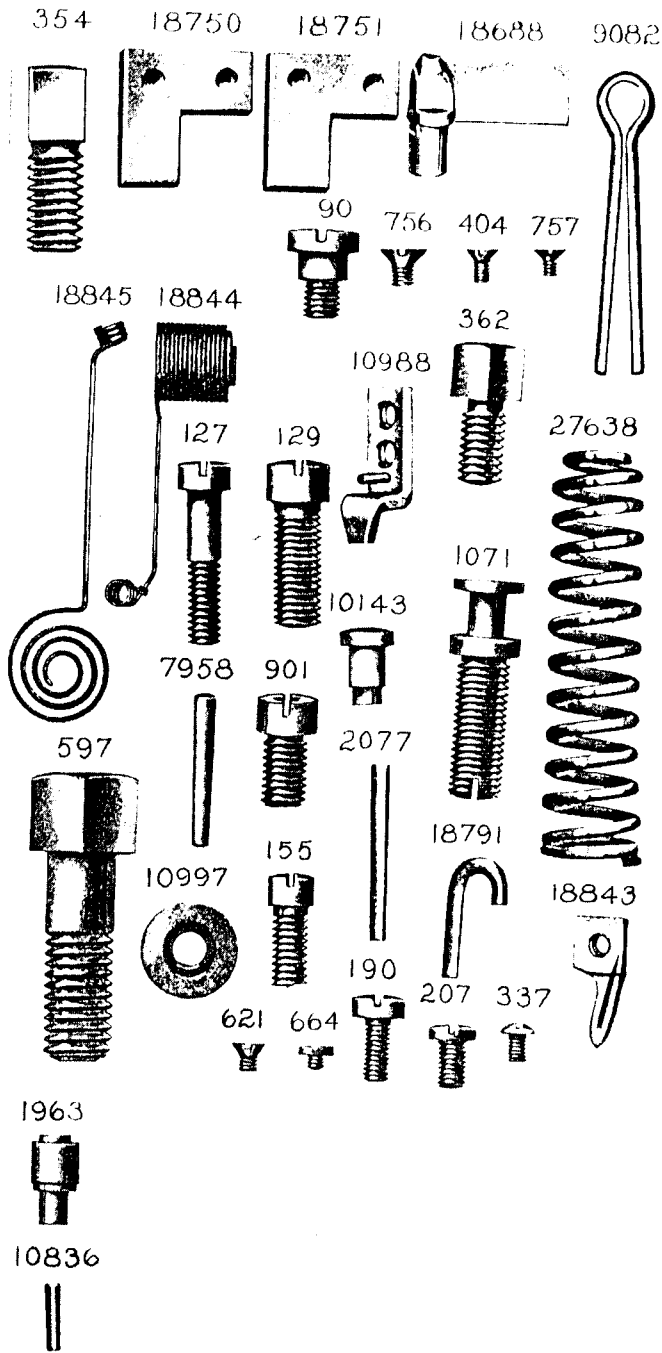


PLATE 4792—ONE-HALF SIZE

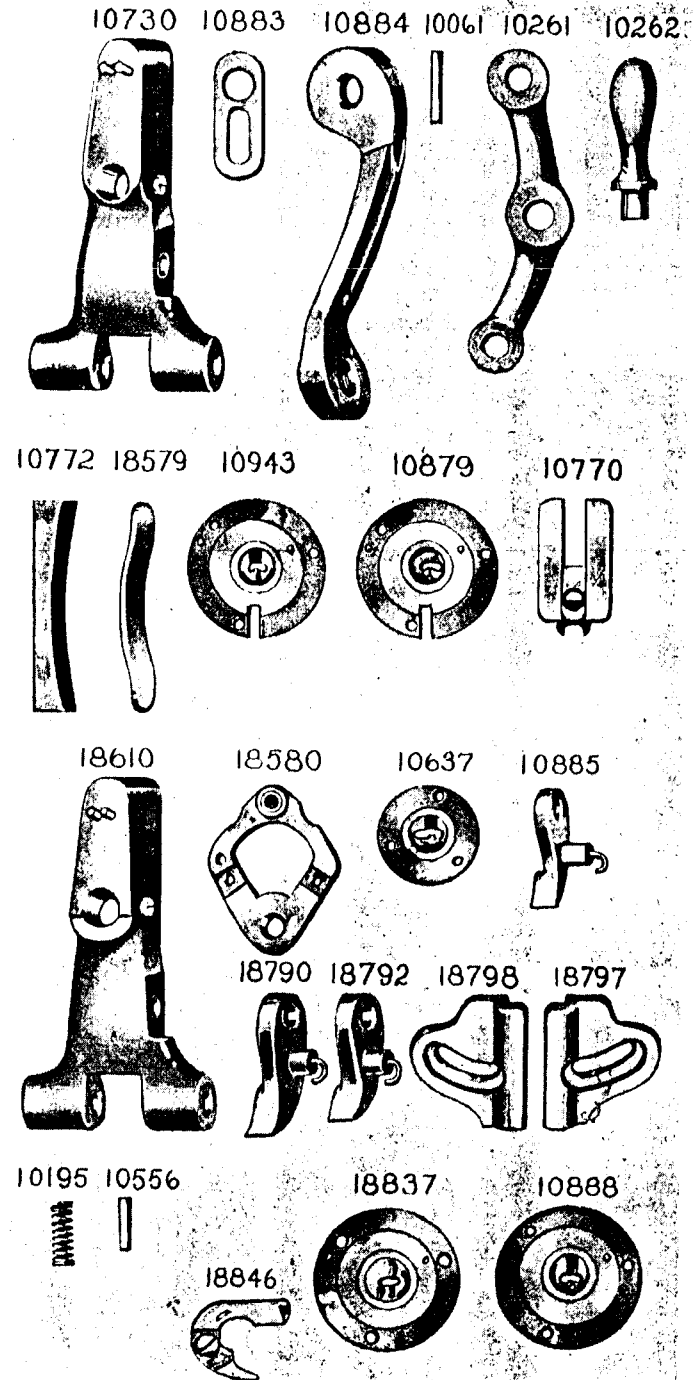


PLATE 4793—ONE-HALF SIZE

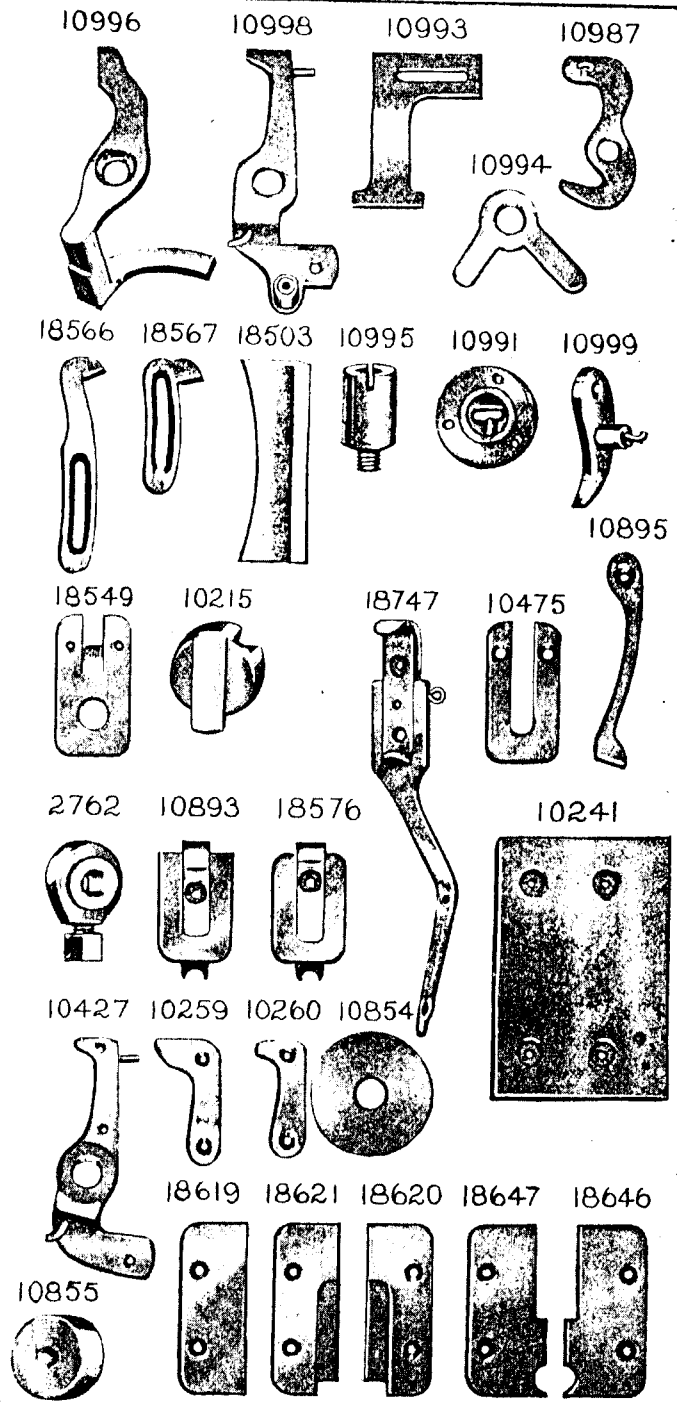


PLATE 4794—ONE-FOURTH SIZE

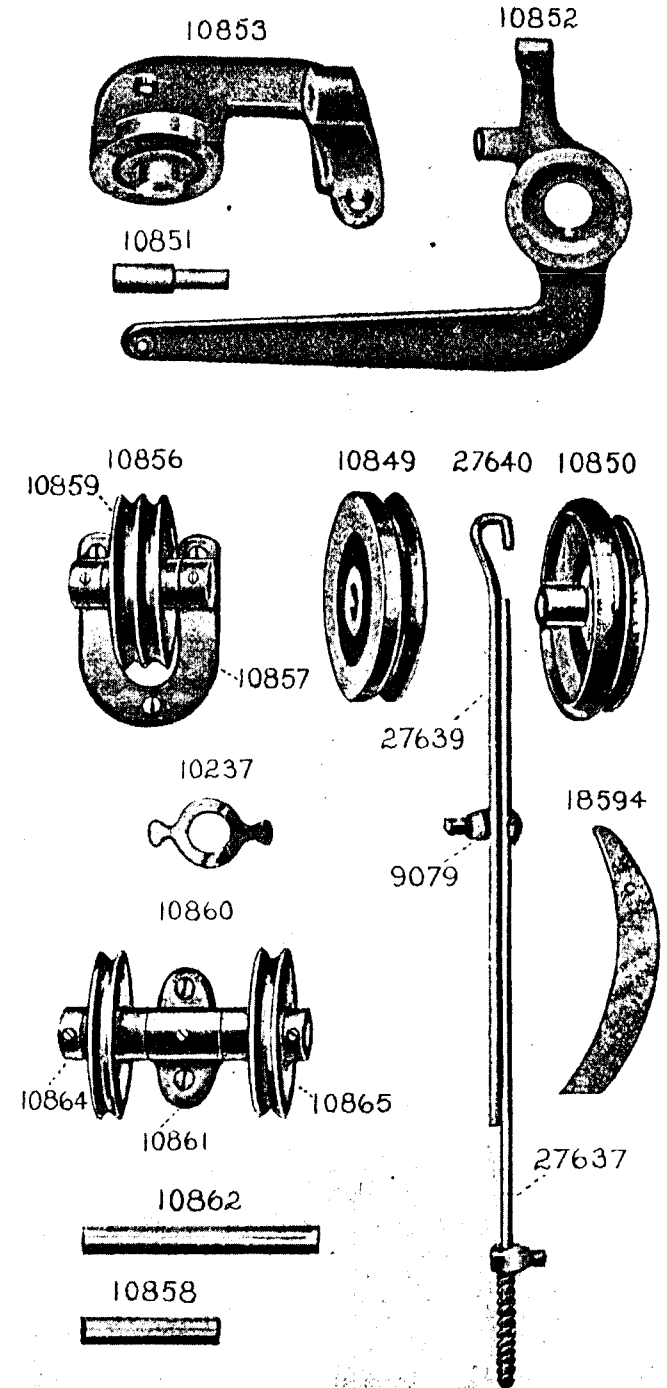
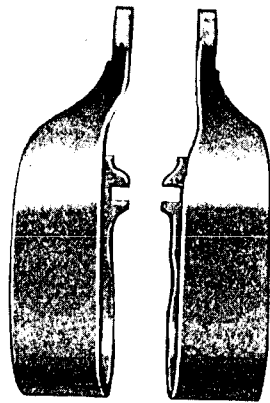
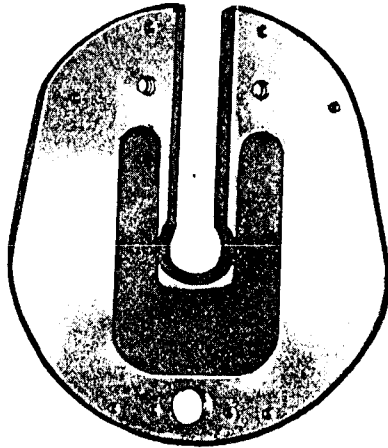


PLATE 4795—ONE-HALF SIZE

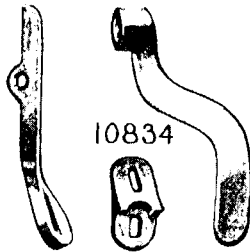
10833 10832



18840



10841 10839



10843



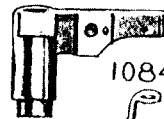
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10835



10845



10842



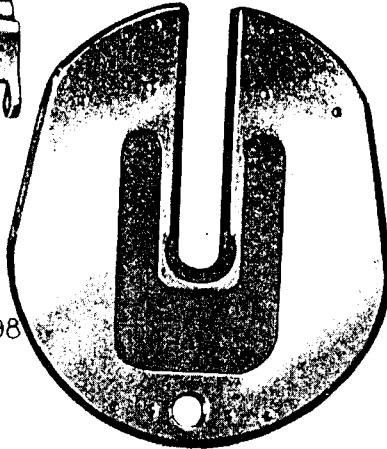
10838



10837



18578



18697



18699



18700 18698

