SINGER
45K56,K89

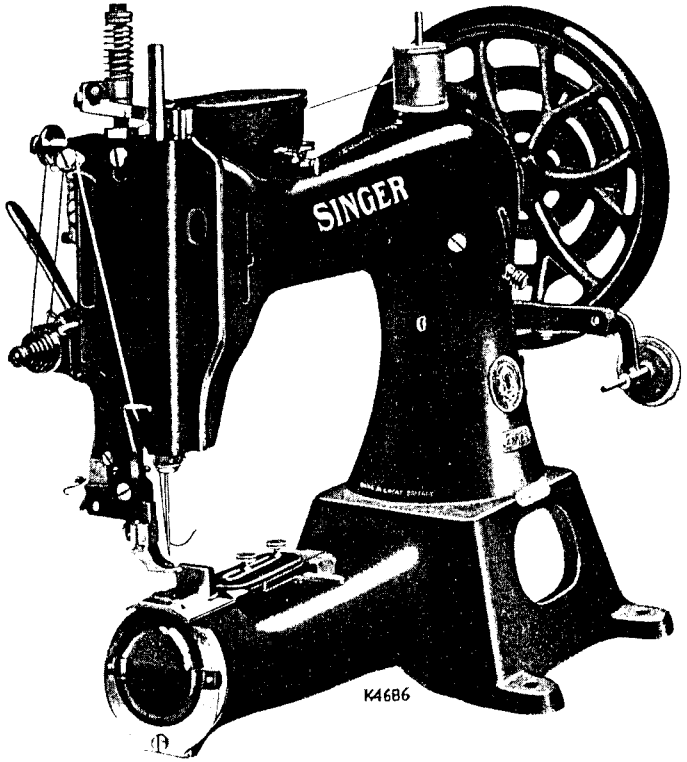
Form K6260
(Supersedes K5412)

ILLUSTRATED

LIST OF PARTS

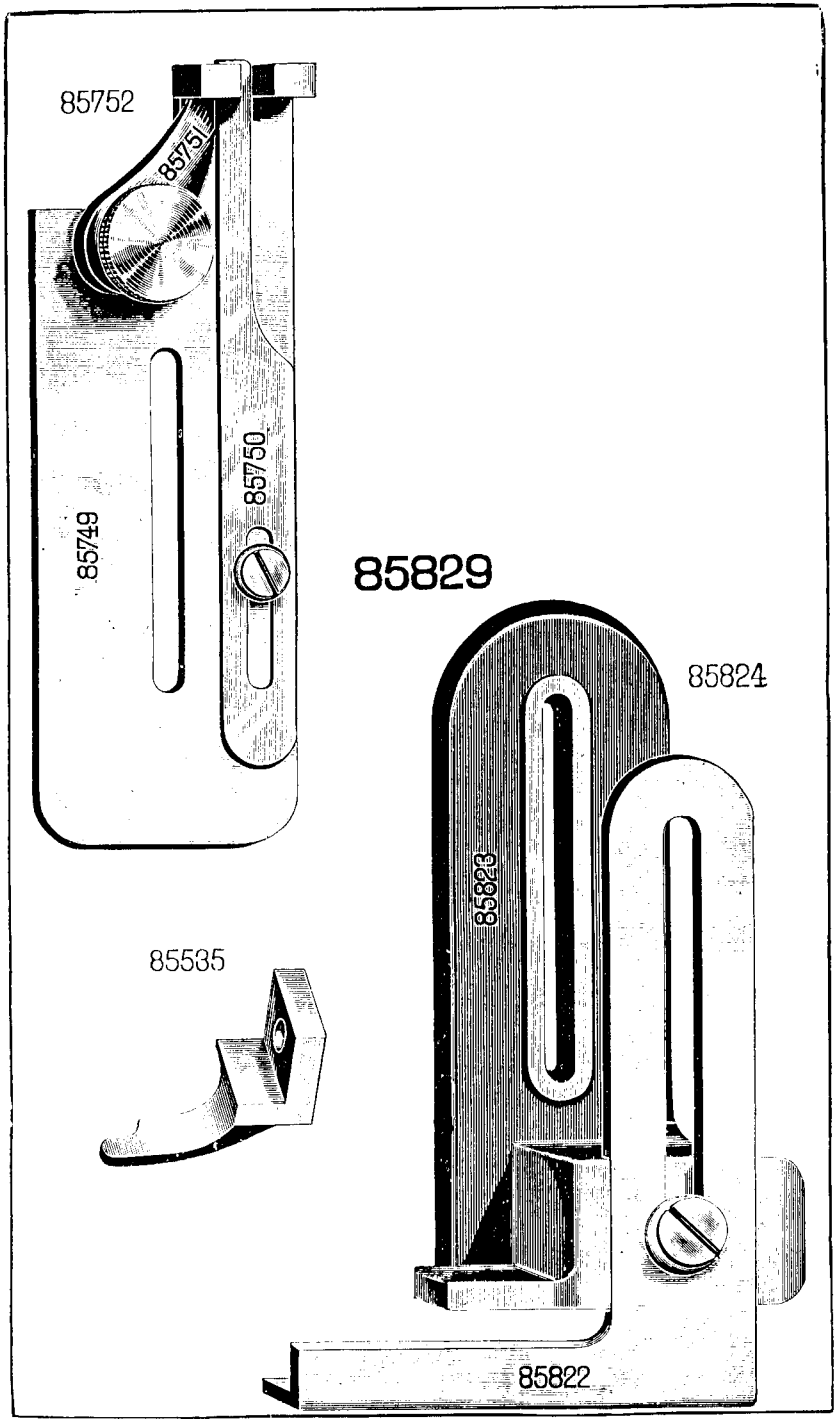
FOR

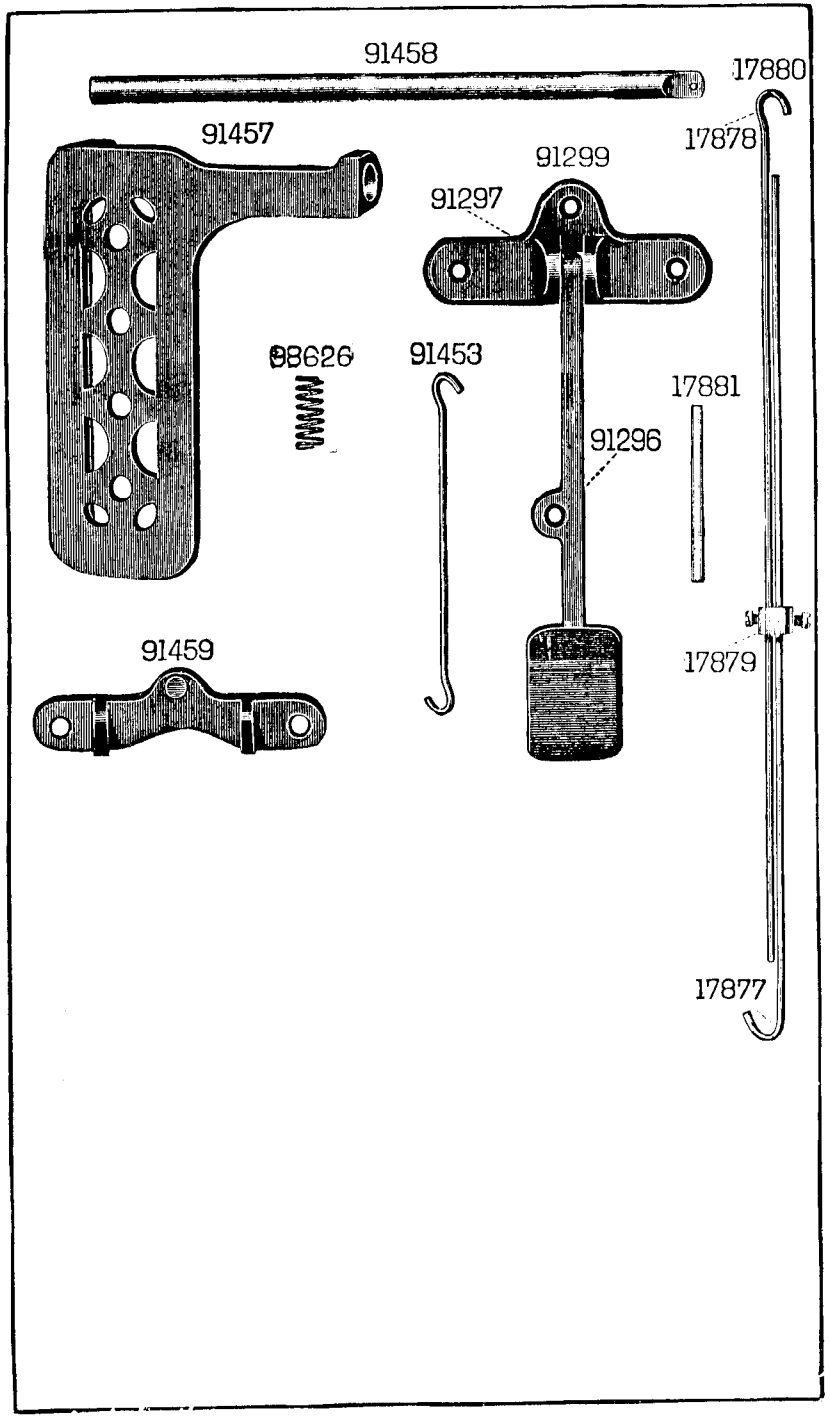
45K56 and 45K89 MACHINES

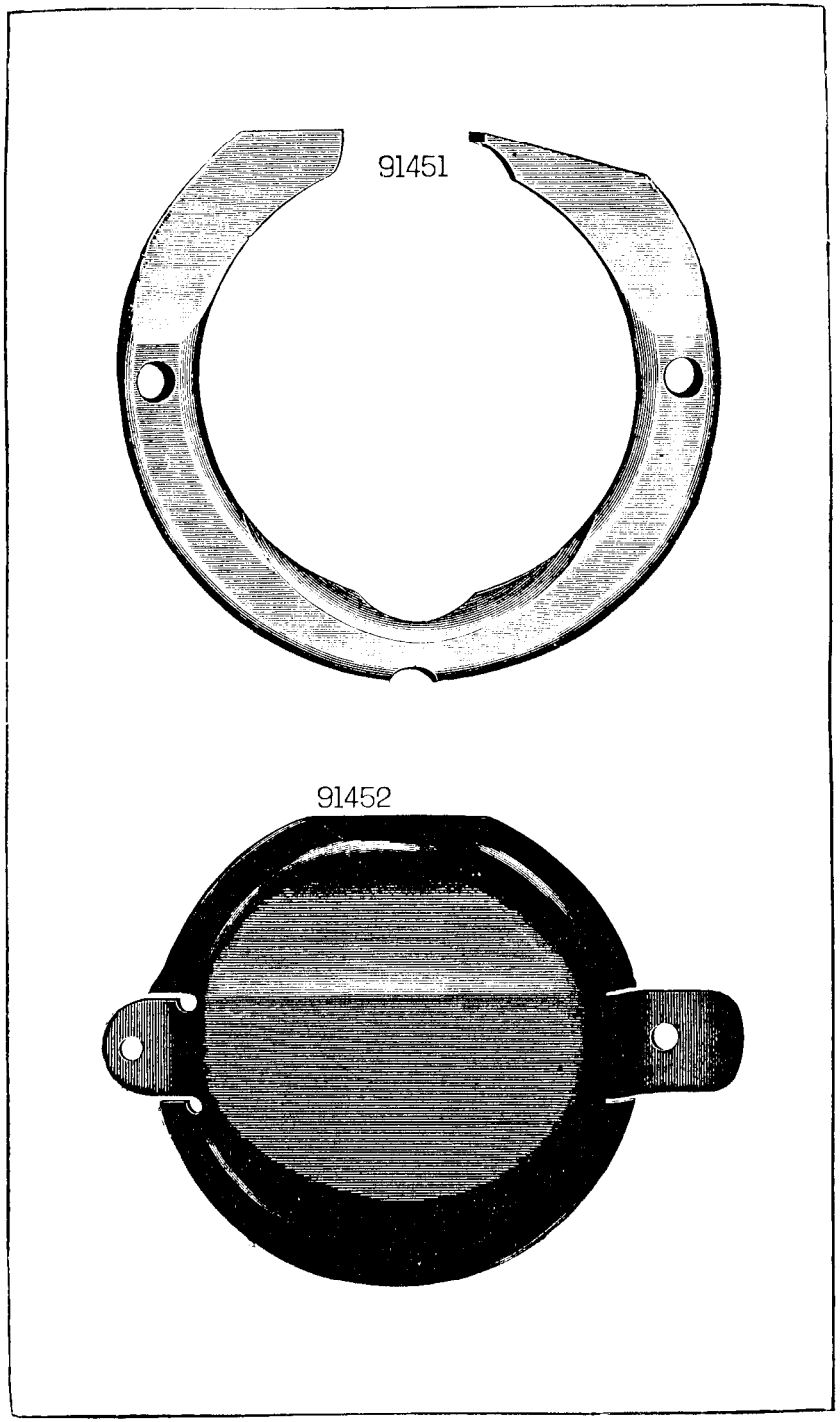


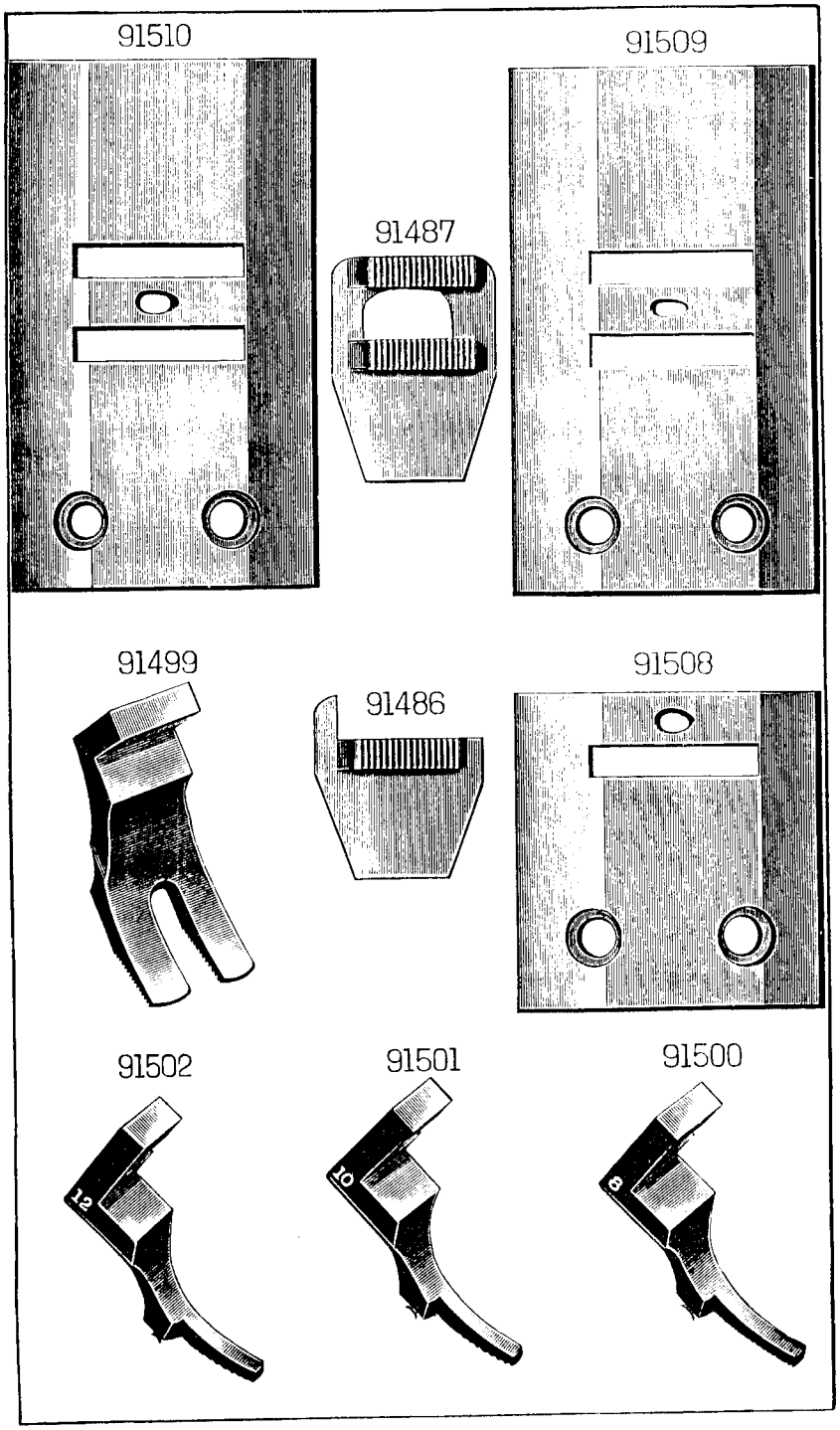
Machine No. 45K89

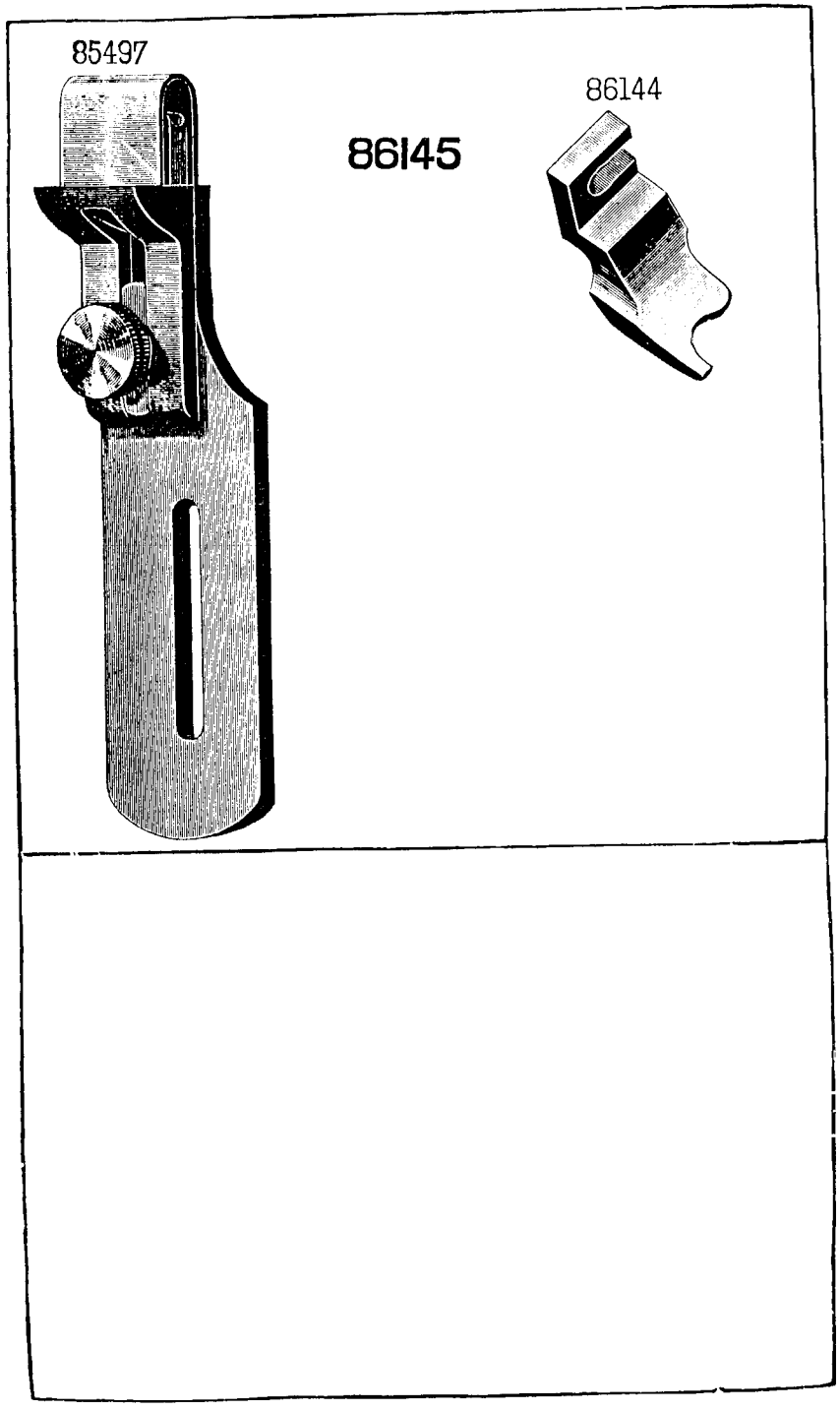
**A Trade Mark of THE SINGER MANUFACTURING COMPANY

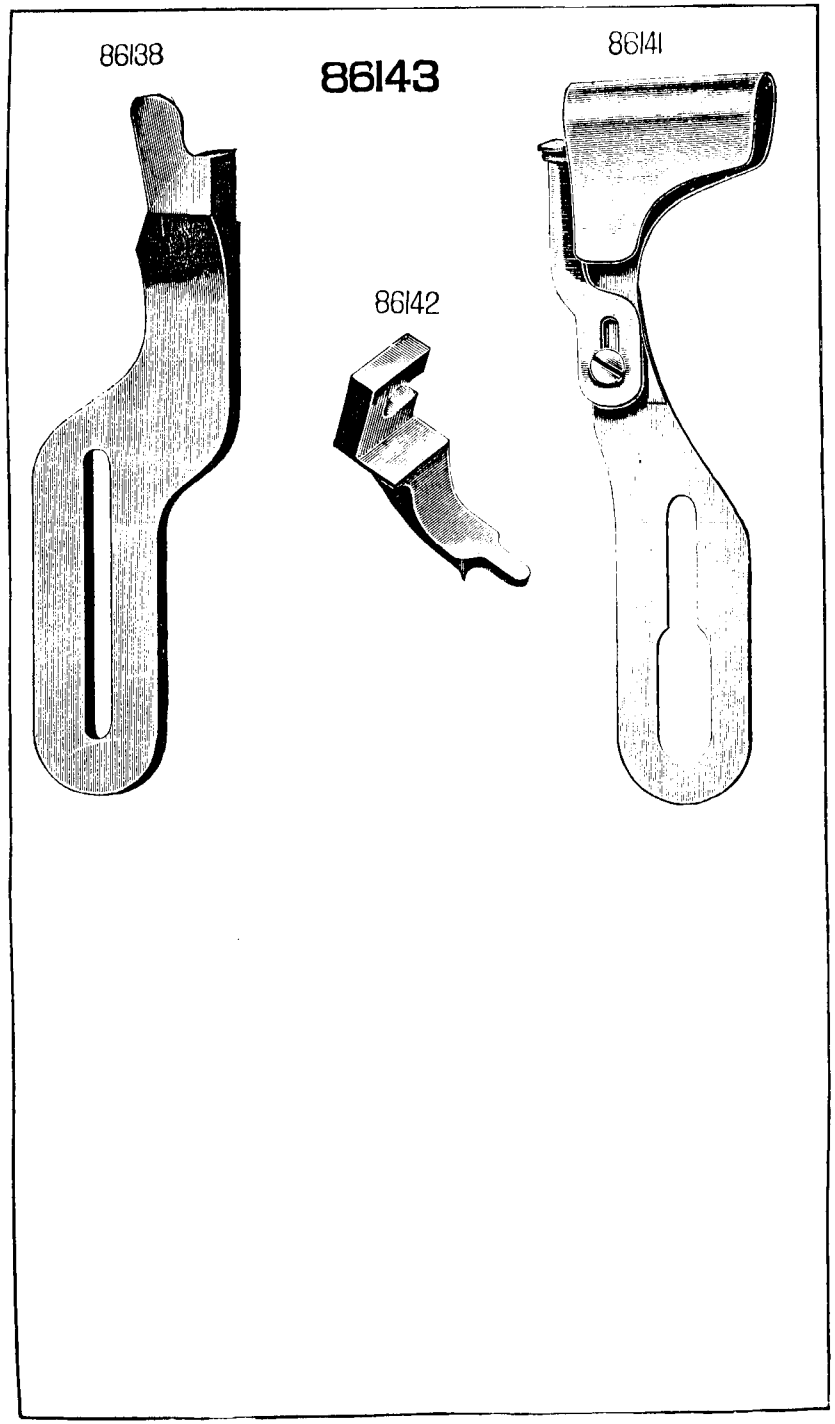

85752
85751
85750
85749
85829
85824
85823
85535
85822

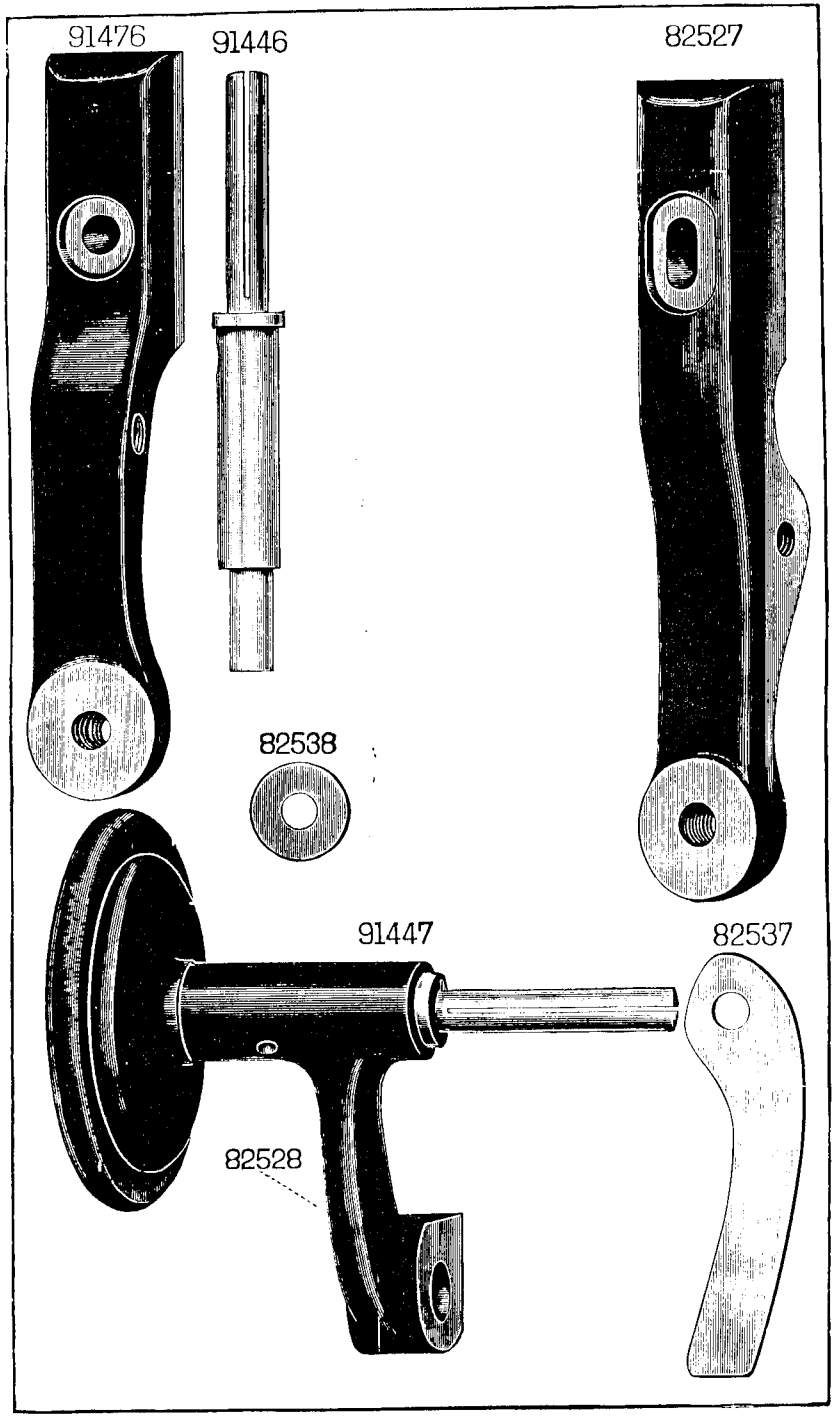

91458
17880
91457
17878
91299
91297
88626
91453
17881
91296
91459
17879
17877

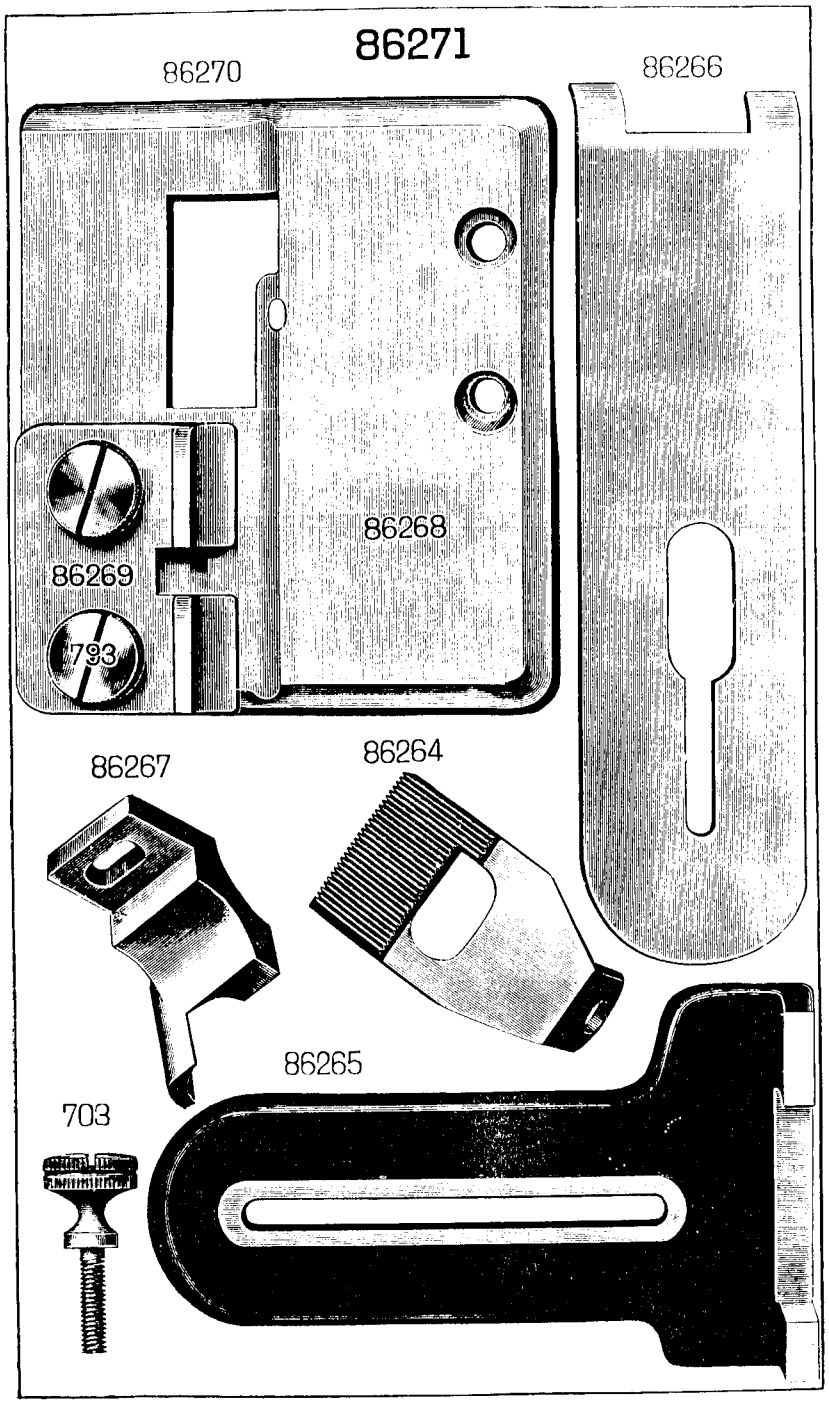

91451
91452

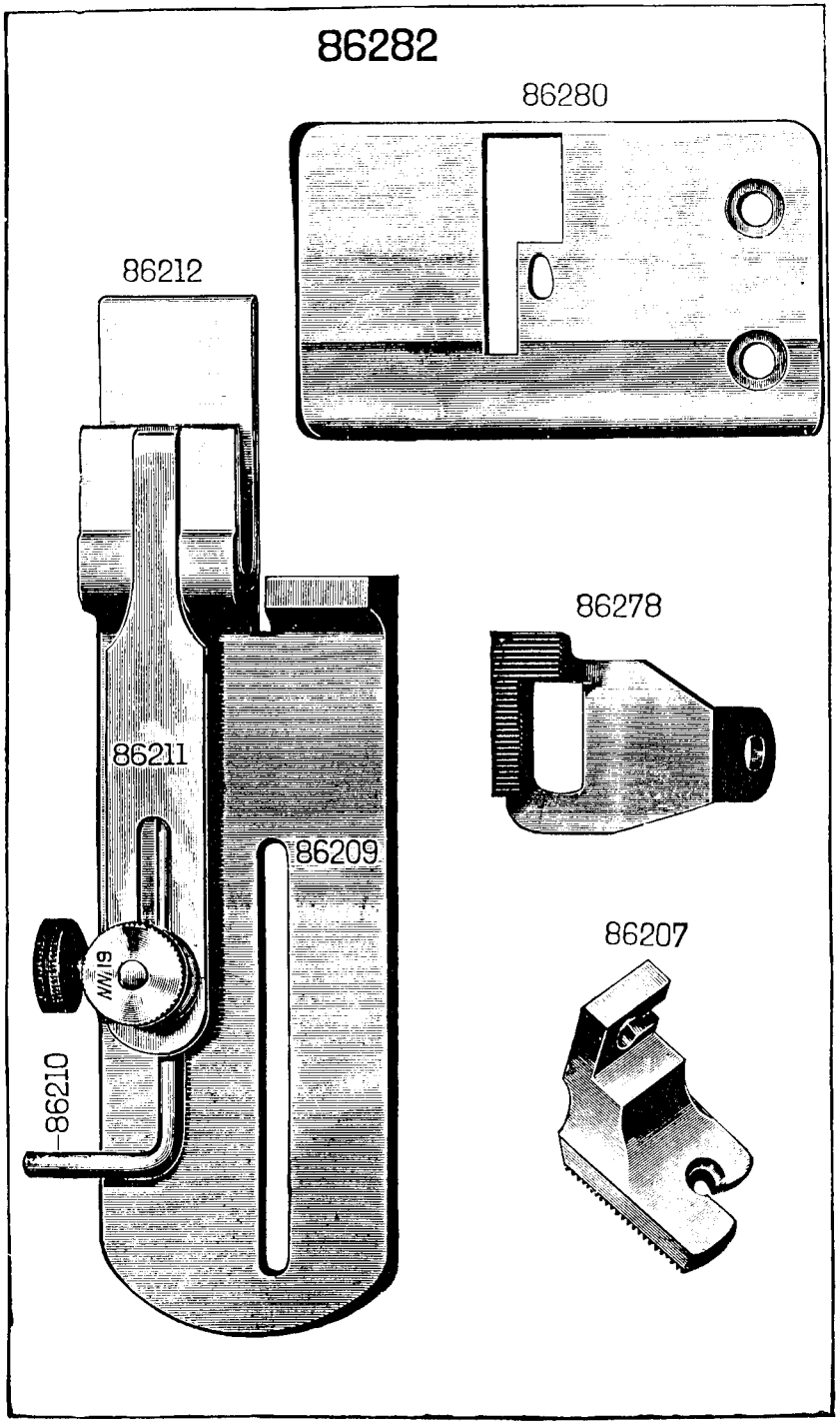

91510
91509
91487
91499
91508
91486
91502
91501
91500
12
10
8

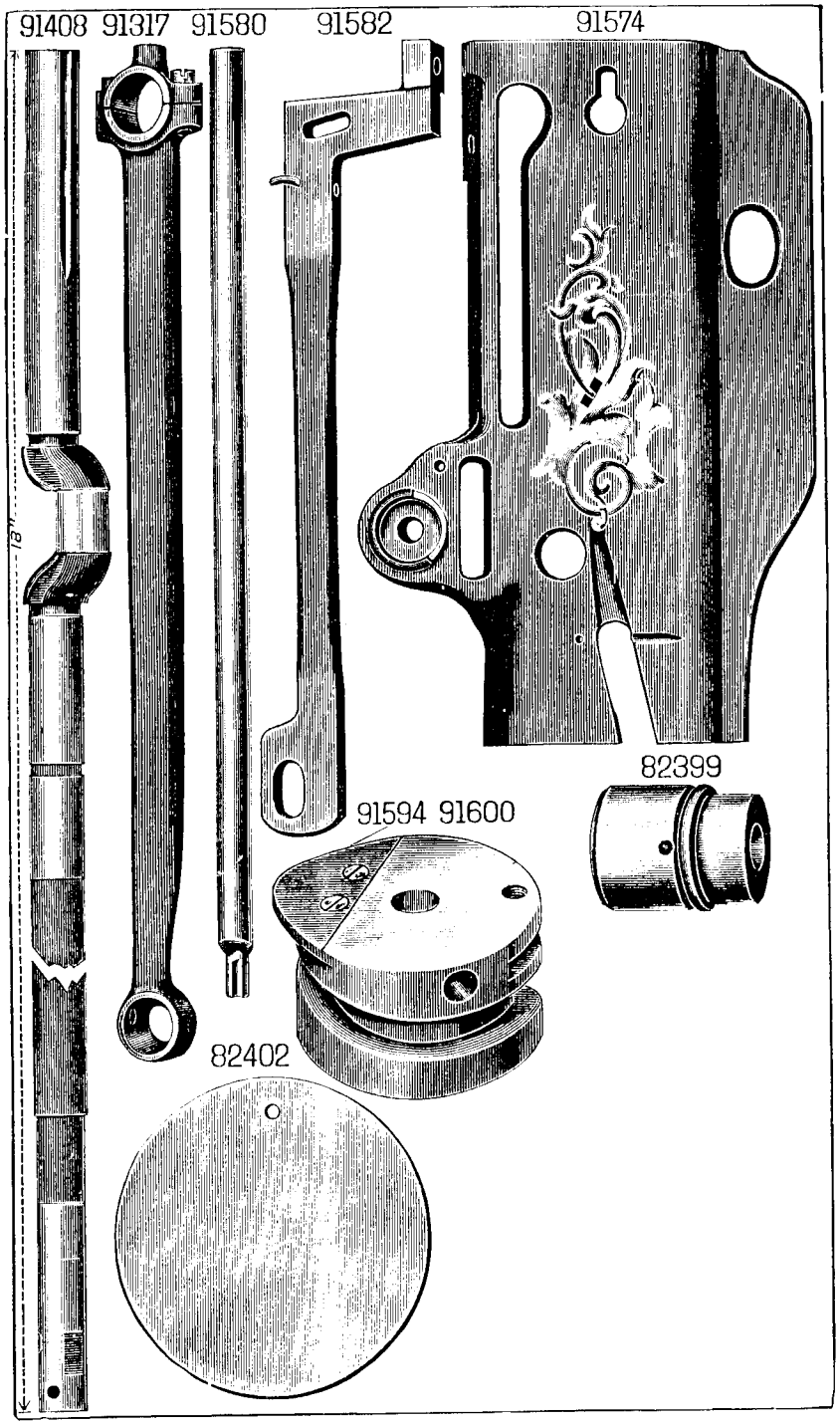

85497
86145
86144

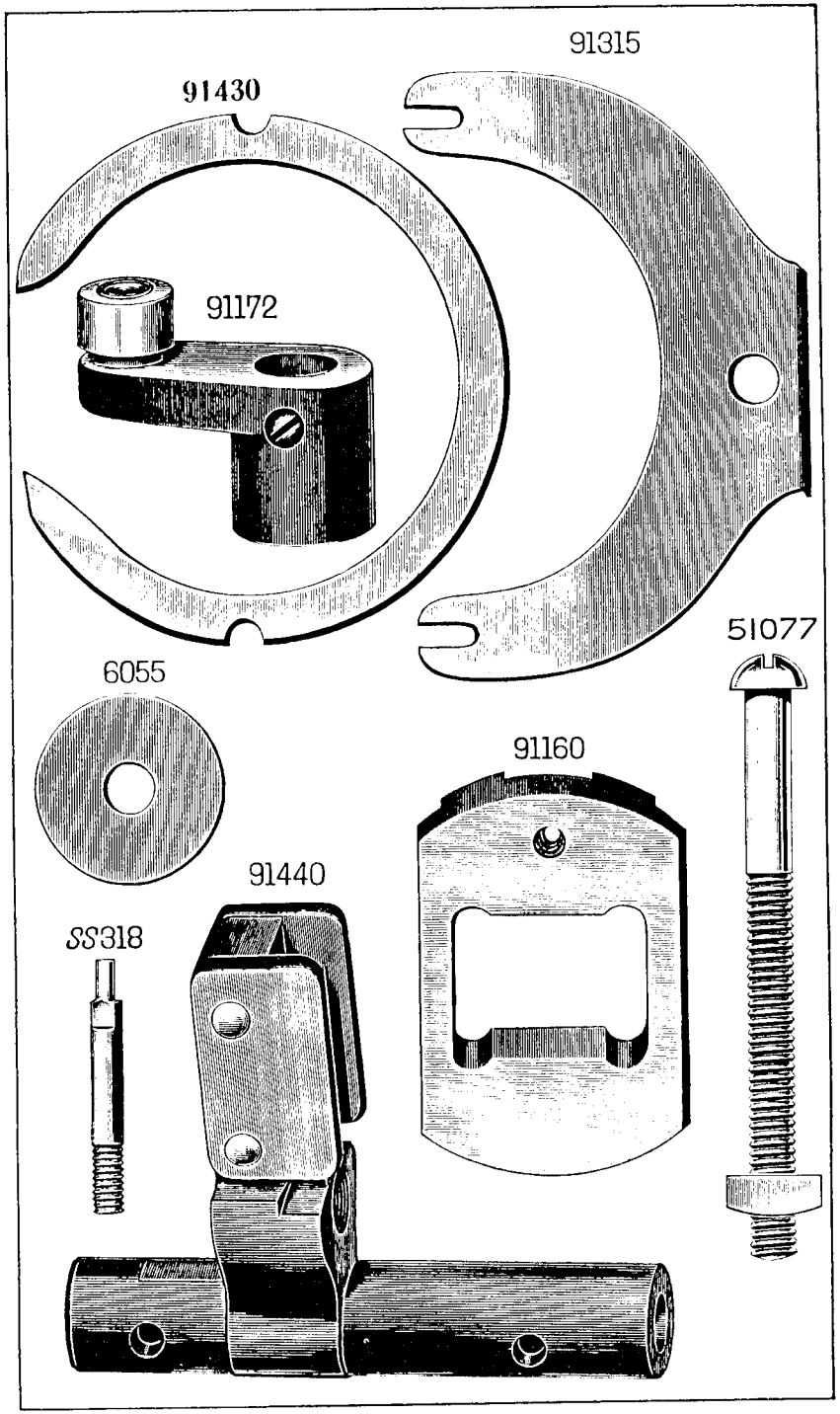

86138
86143
86141
86142

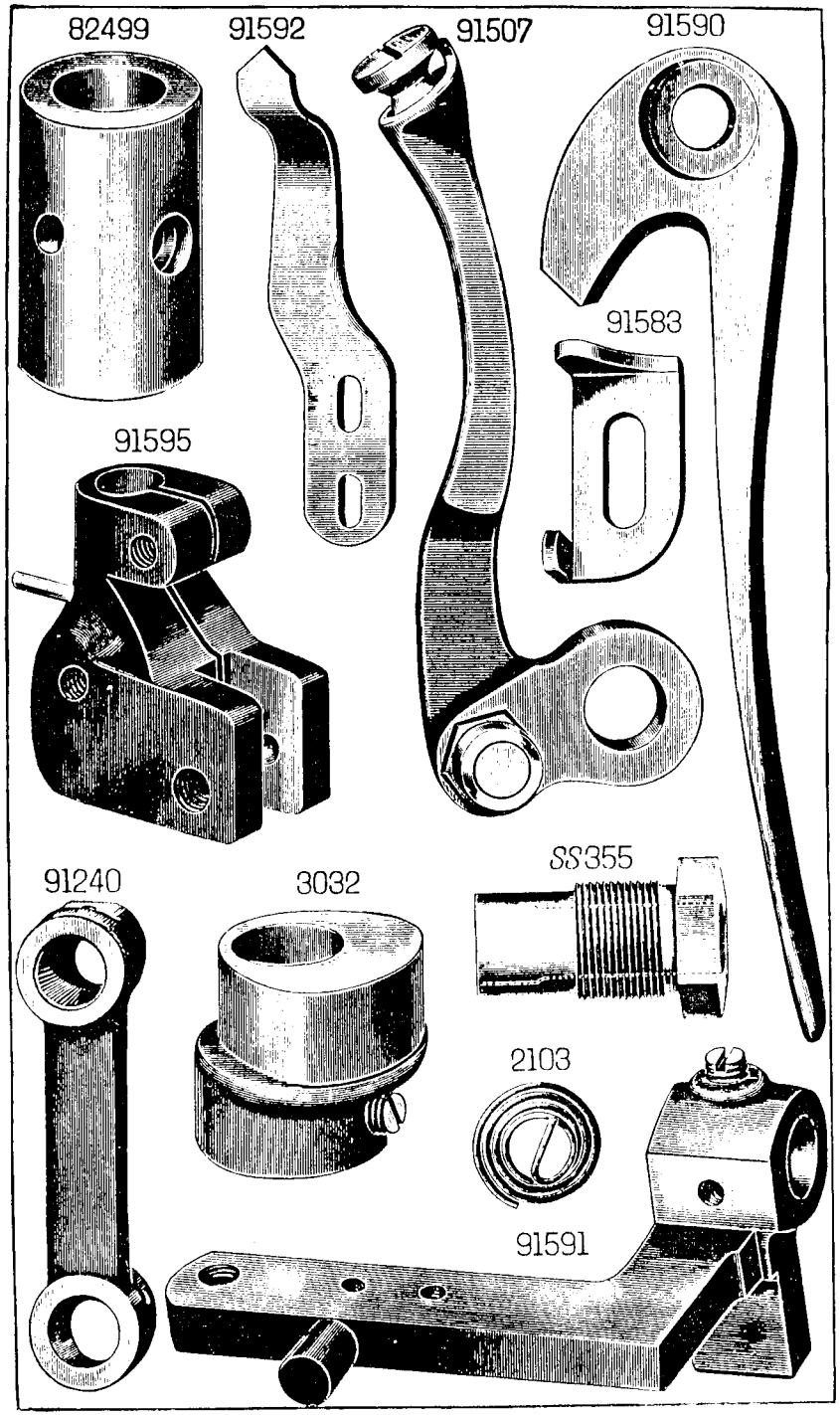

91476
91446
82527
82538
91447
82537
82528

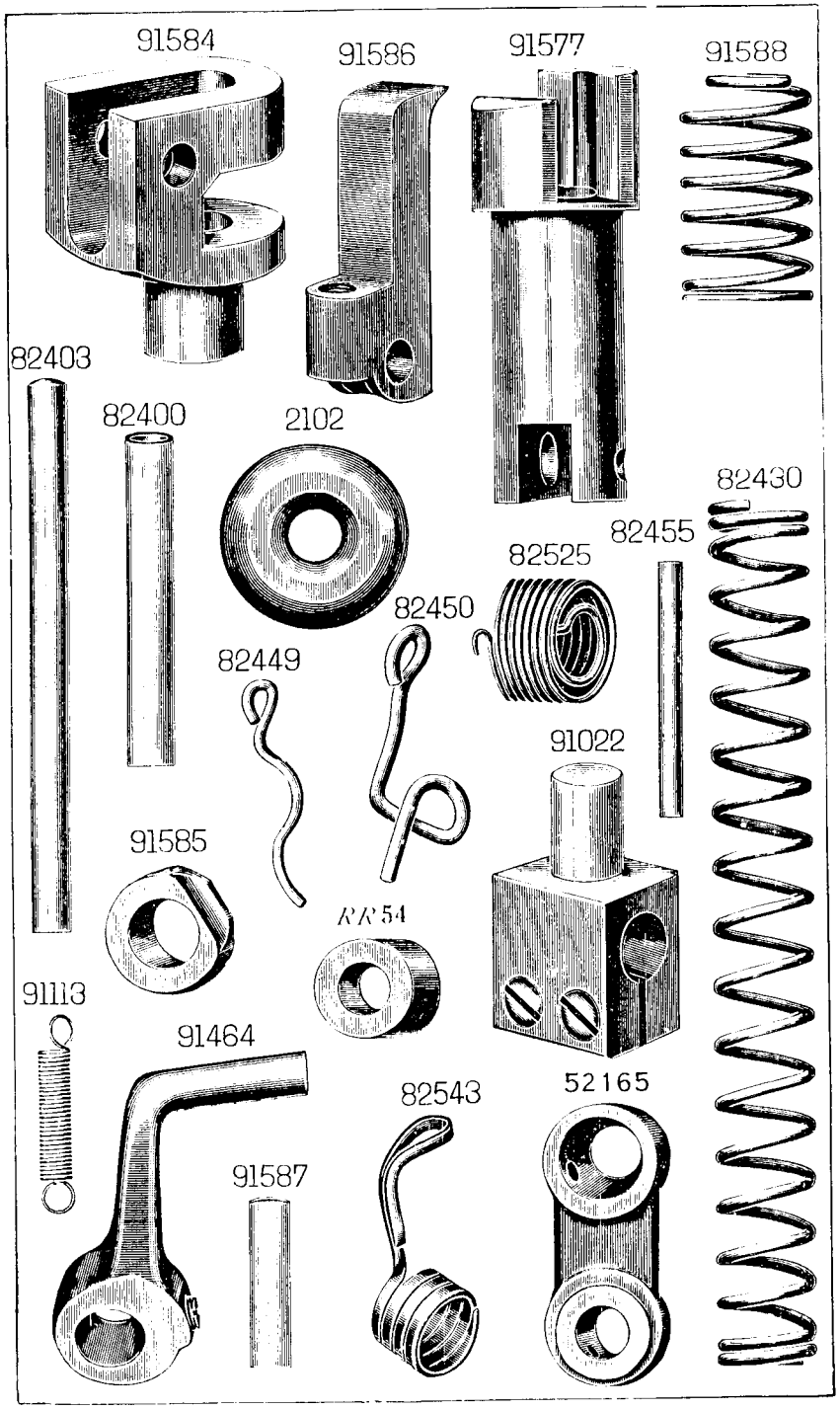

86271
86270
86266
86268
86269
793
86267
86264
86265
703

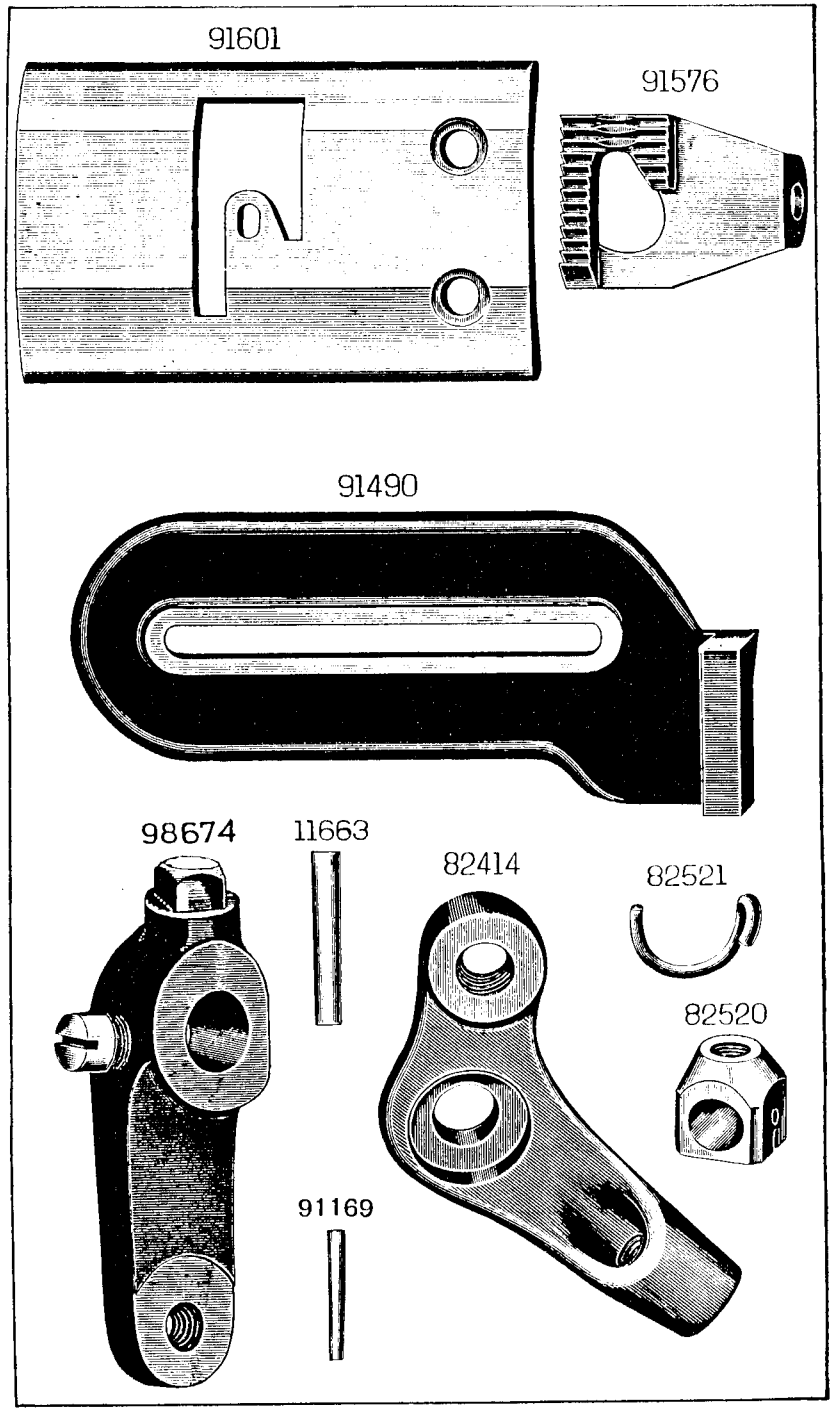

86282
86280
86212
86211
86209
86210
86278
86207

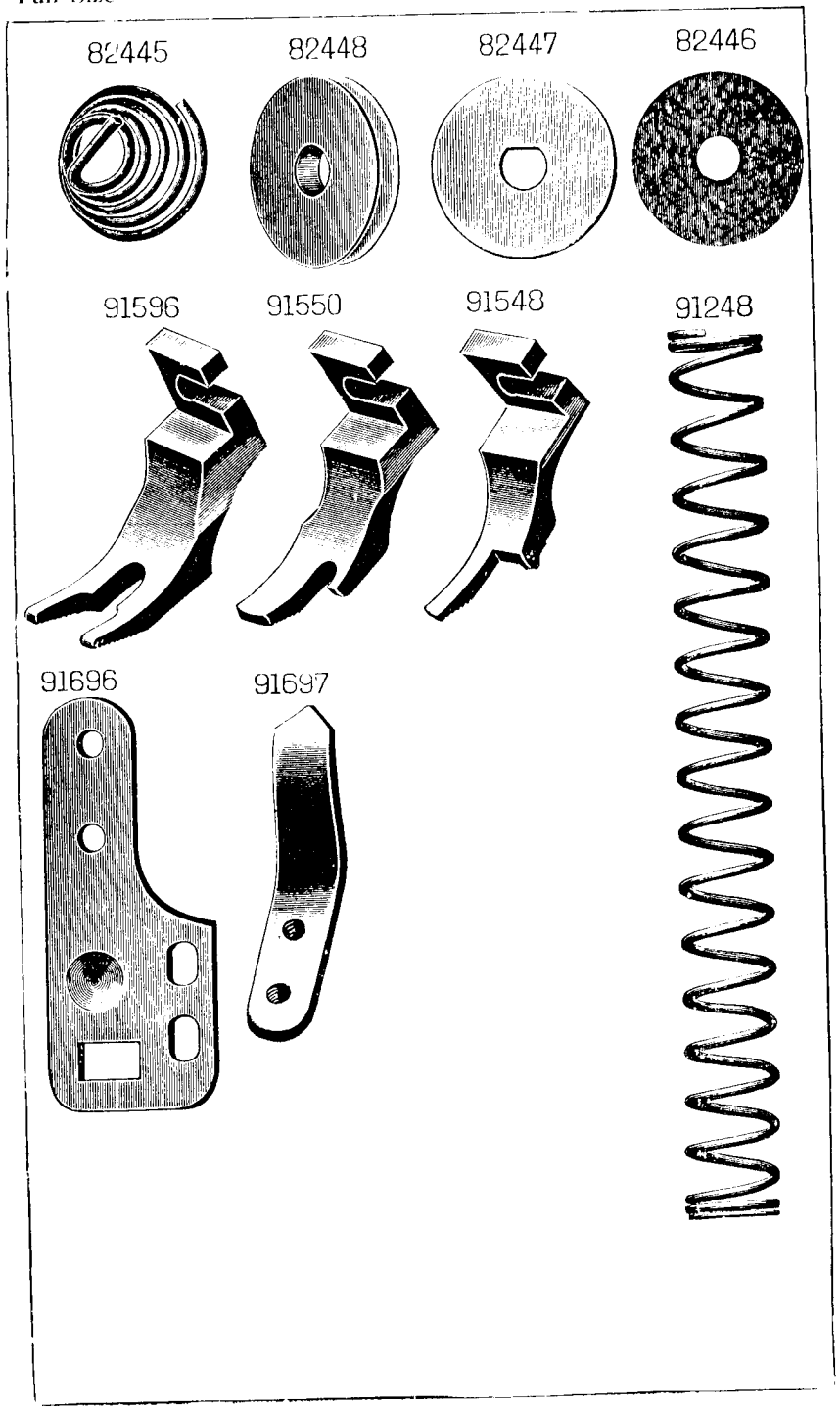

91408
91317
91580
91582
91574
18"
82399
91594
91600
82402


91315
91430
91172
51077
6055
91160
91440
SS318

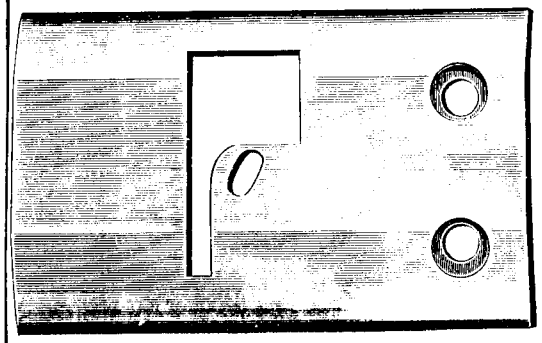

82499
91592
91507
91590
91583
91595
91240
3032
SS355
2103
91591


91584
91586
91577
91588
82403
82400
2102
82430
82455
82525
82450
82449
91022
91585
KK54
91113
91464
82543
52165
91587

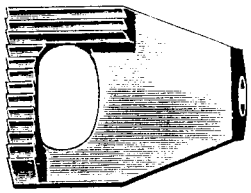

91601
91576
91490
98674
11663
82414
82521
82520
91169


82445
82448
82447
82446
91596
91550
91548
91248
91696
91697

91557

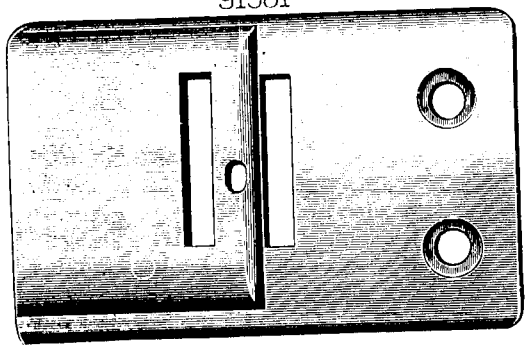


91541

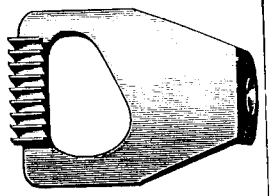


91552

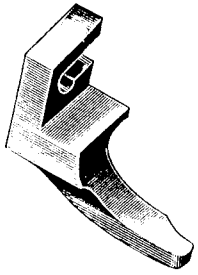
91561

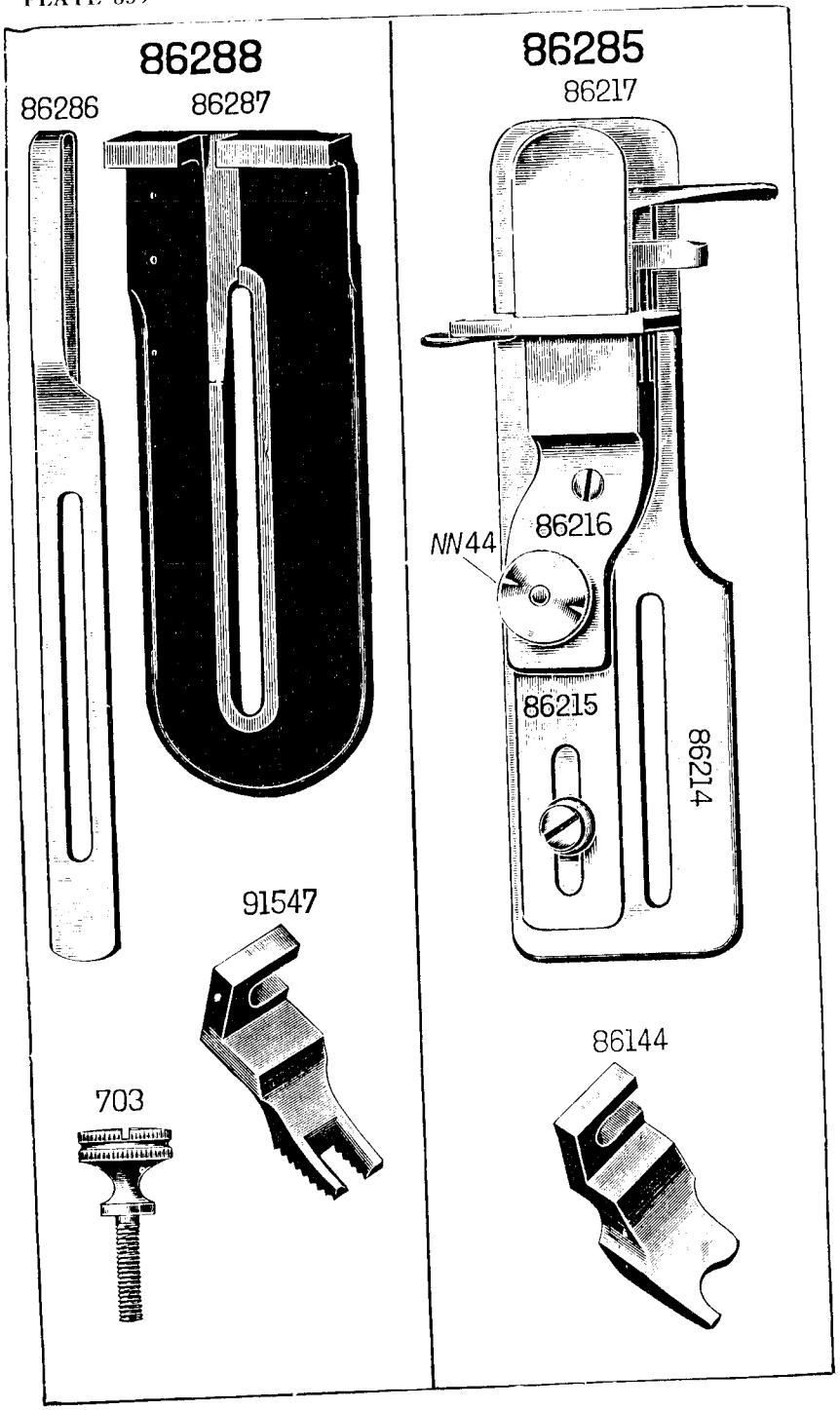


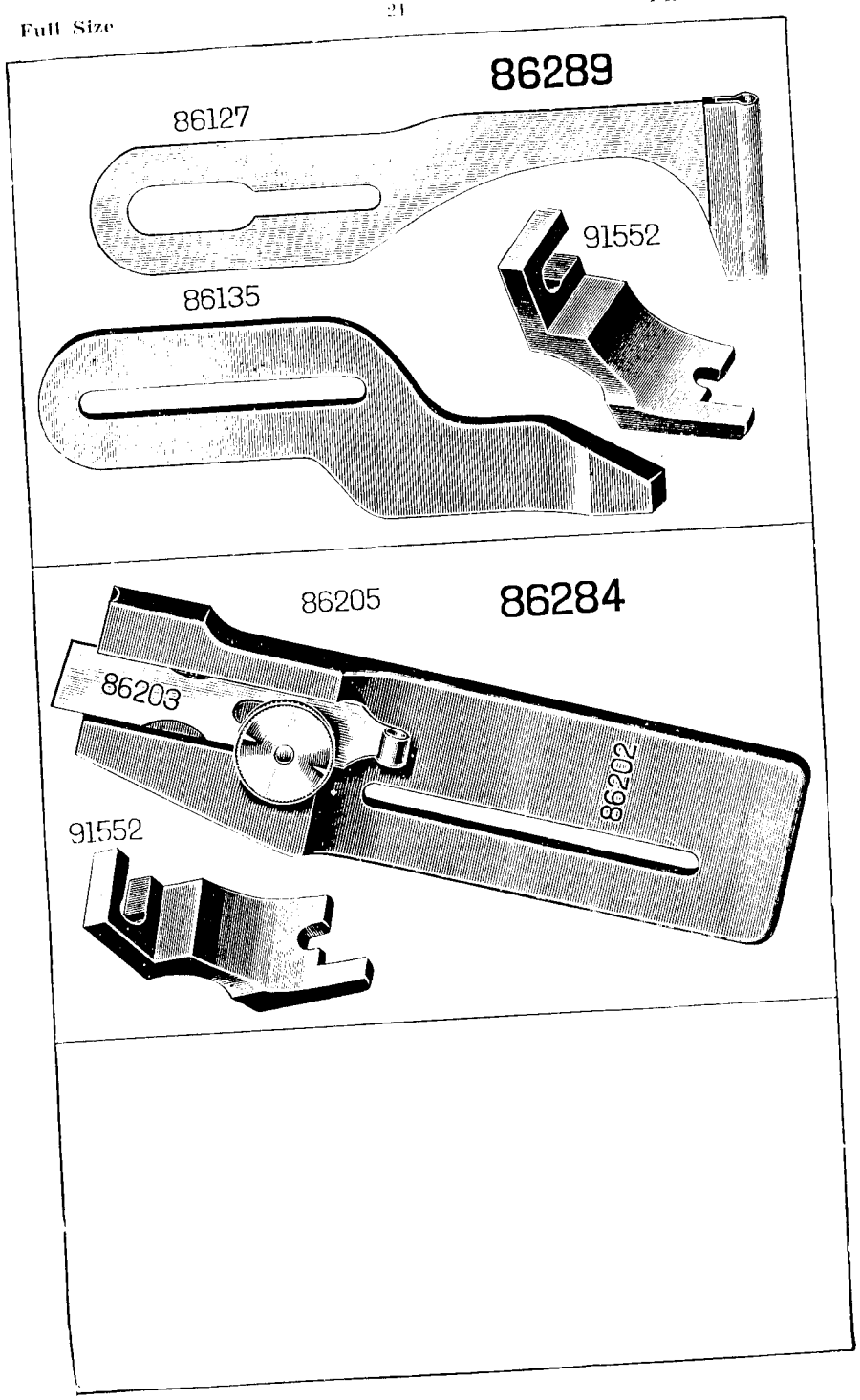
91543

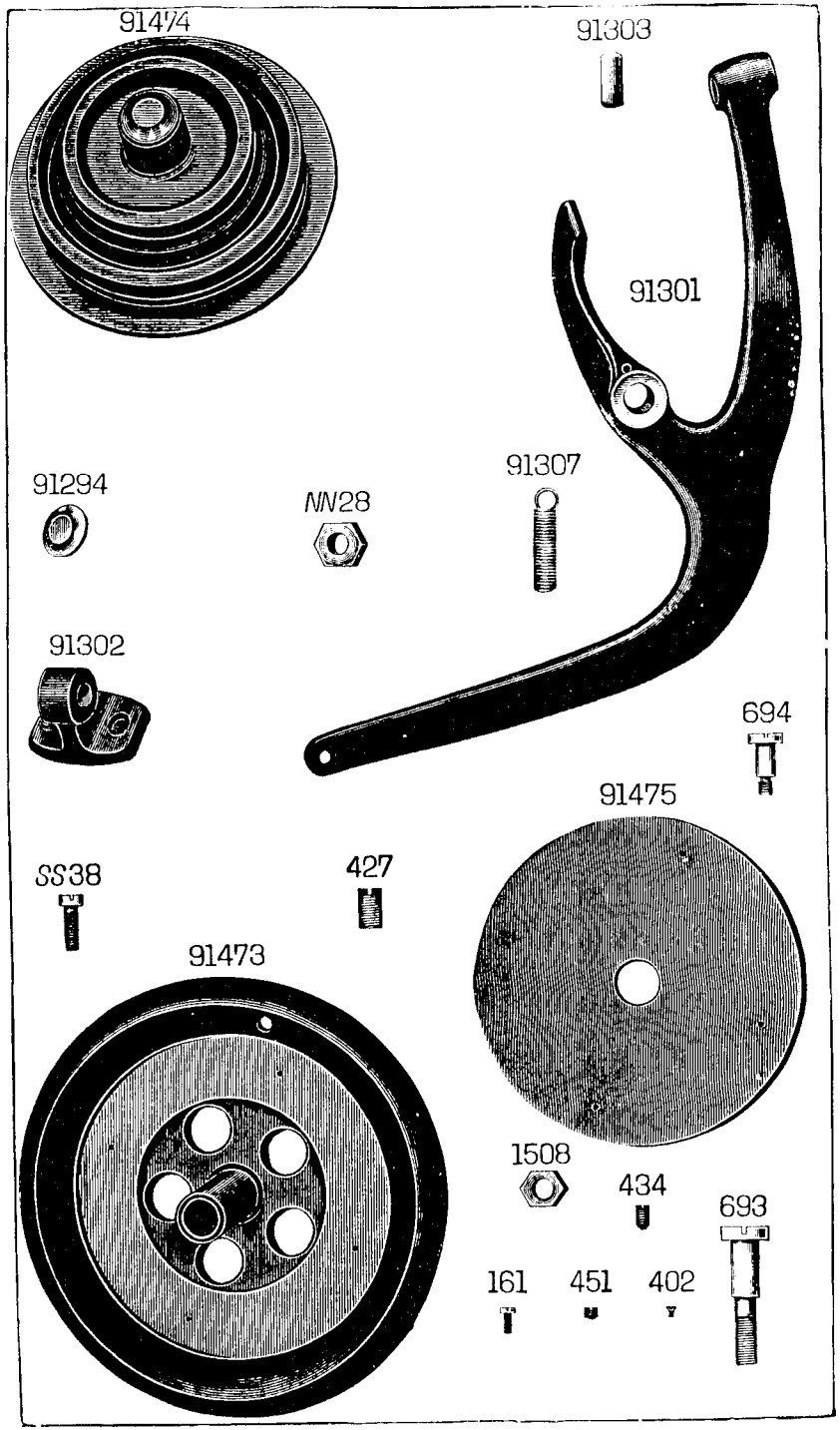


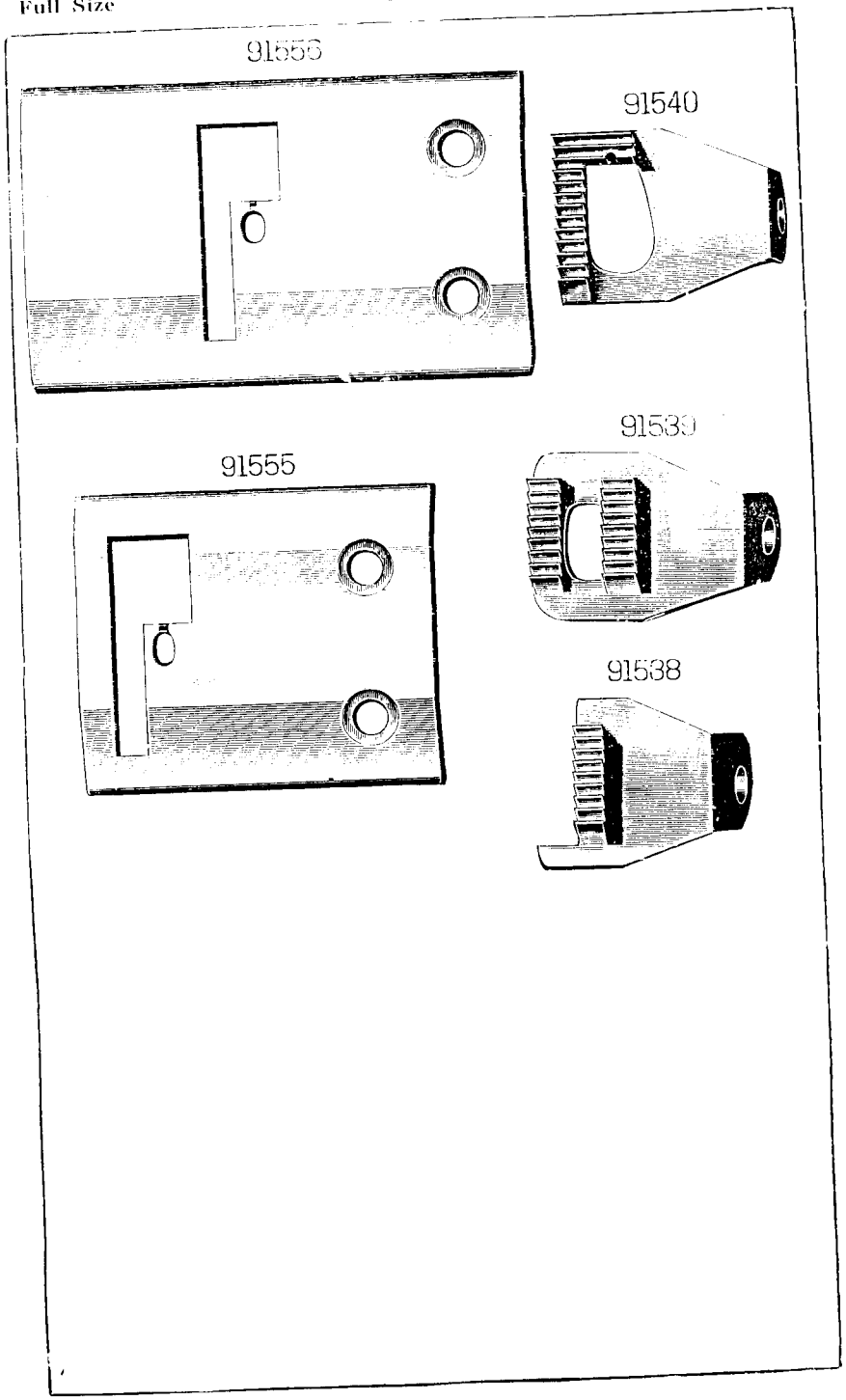
91554

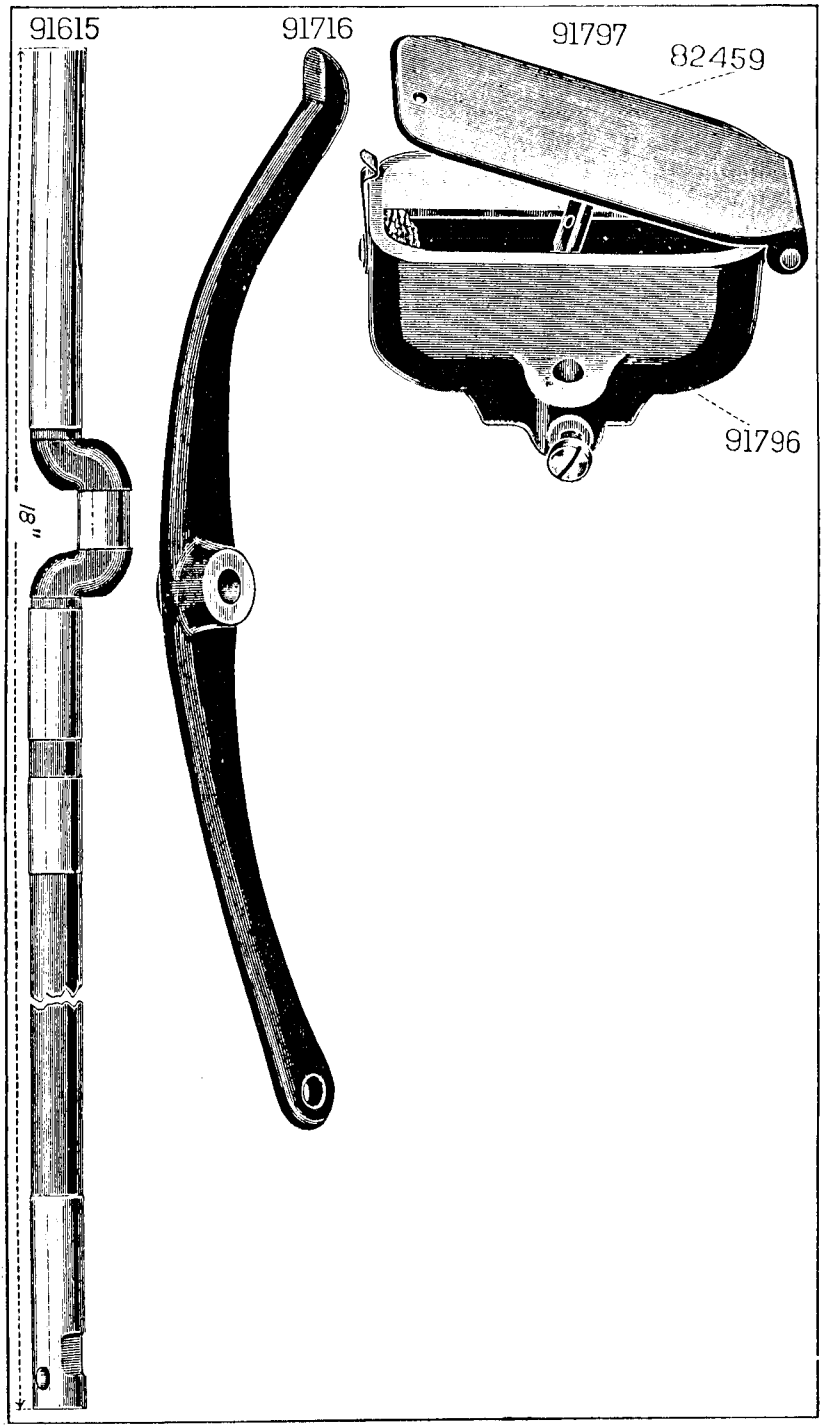


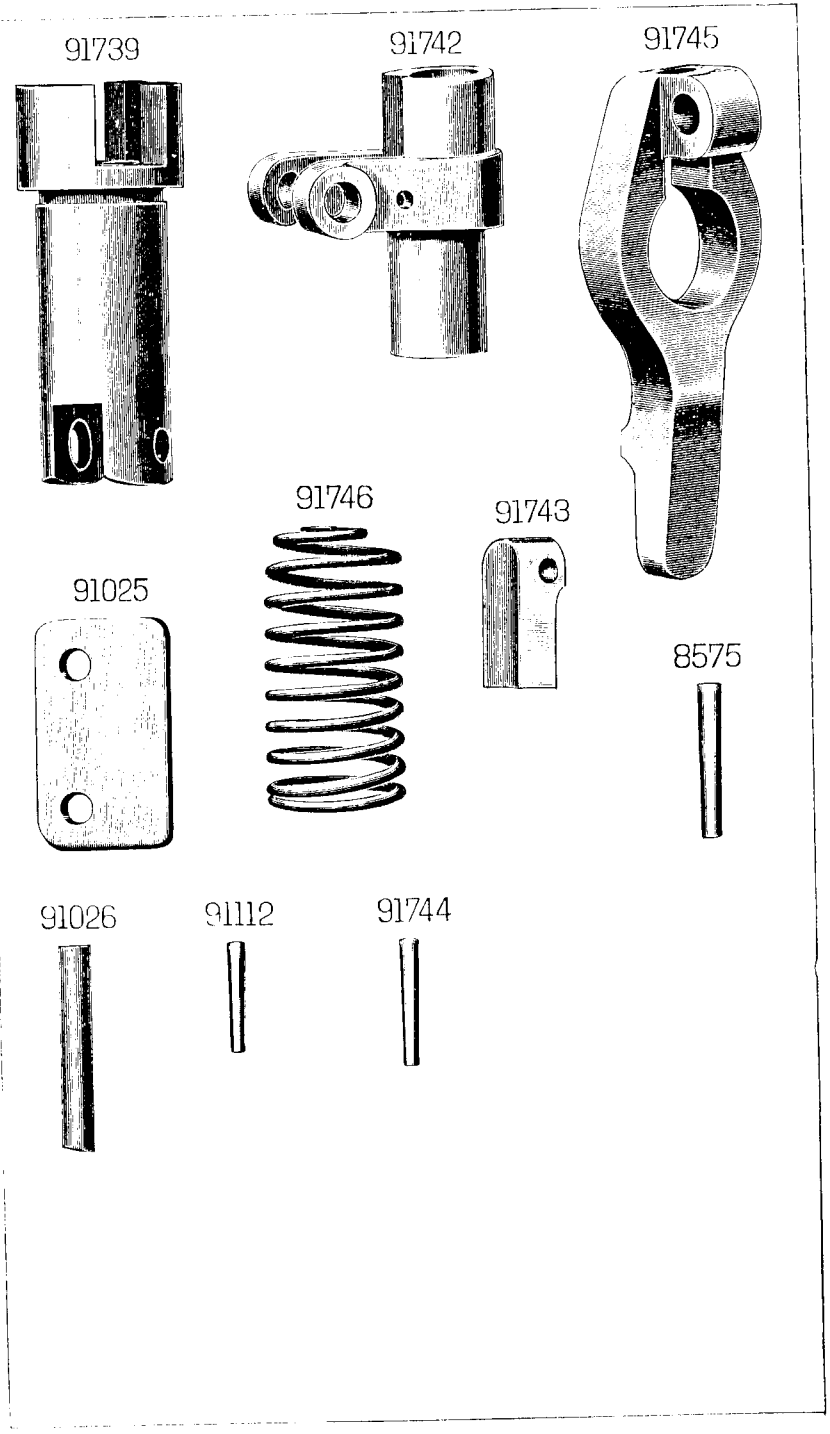

86288
86286
86287
91547
703
86285
86217
NN44
86216
86215
86214
86144

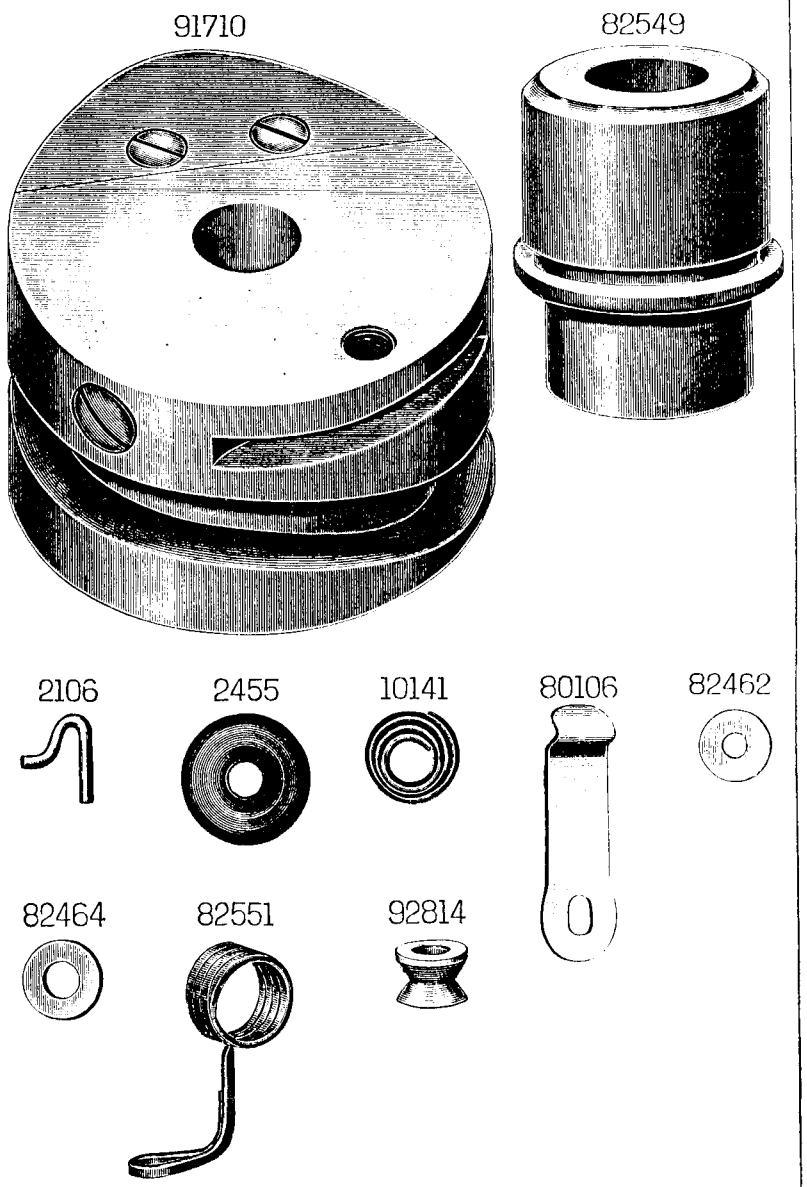

86289
86127
91552
86135
86205
86284
86203
86202
91552

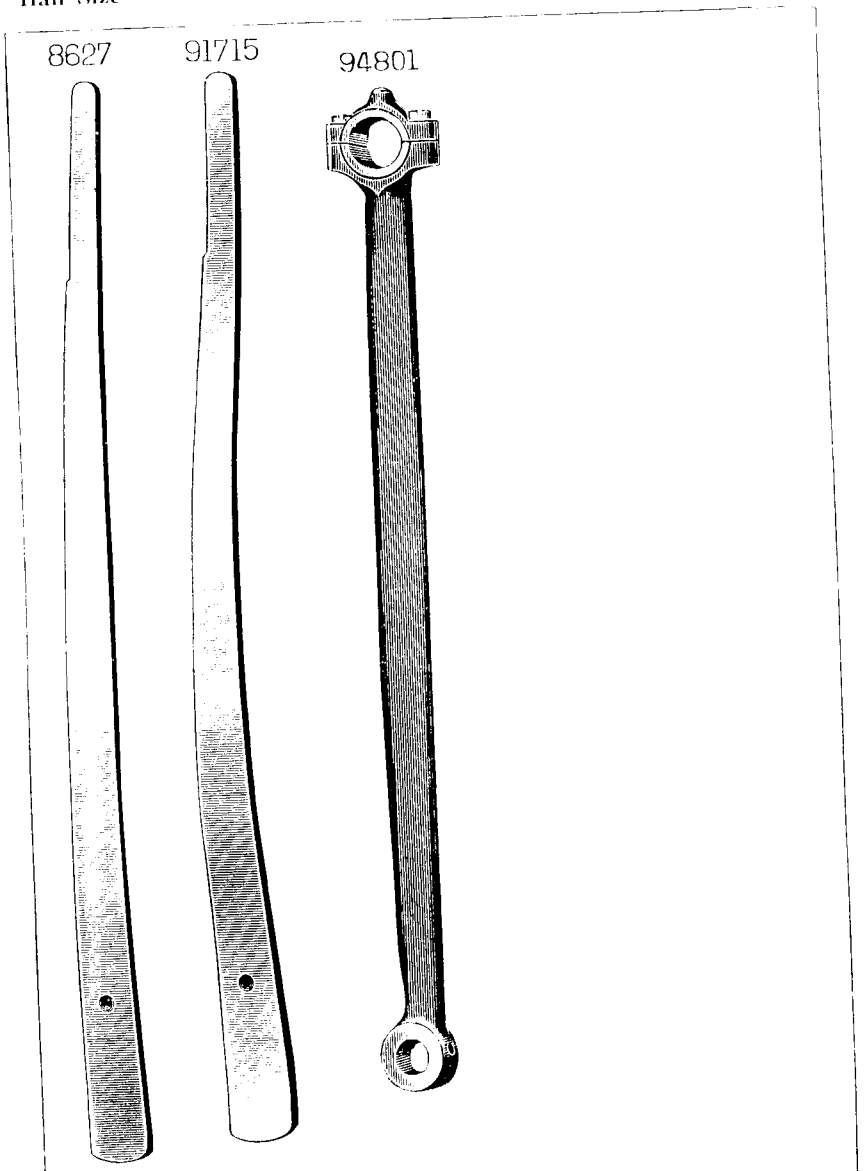

91474
91303
91301
91294
NN28
91307
91302
694
91475
SS38
427
91473
1508
434
693
161
451
402


91555
91540
91539
91555
91538

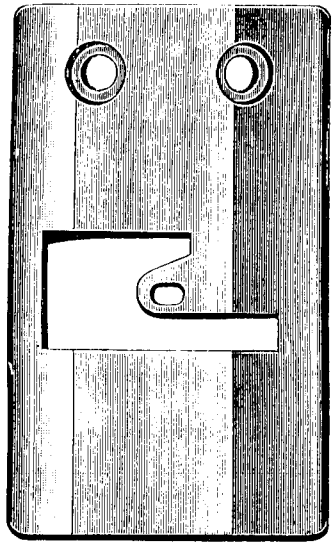

91615
91716
91797
82459
91796
18"


91739
91742
91745
91746
91743
91025
8575
91026
91112
91744

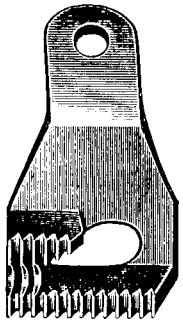

91710
82549
2106
2455
10141
80106
82462
82464
82551
92814


8627
91715
94801

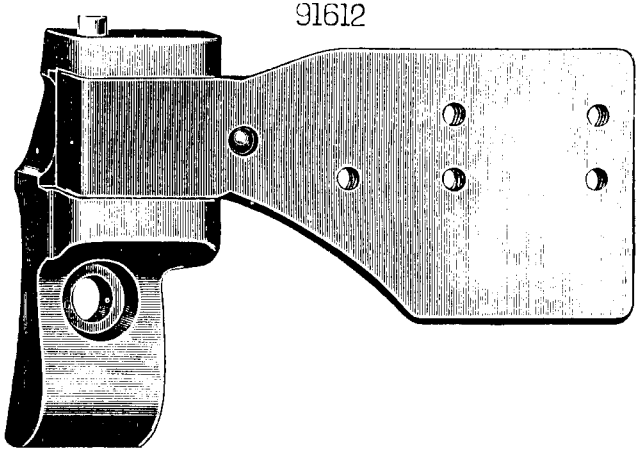
91601



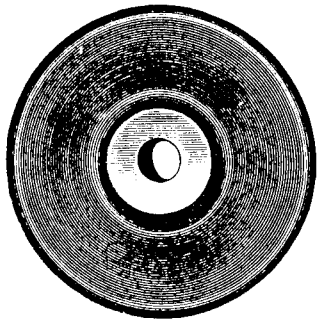
91576



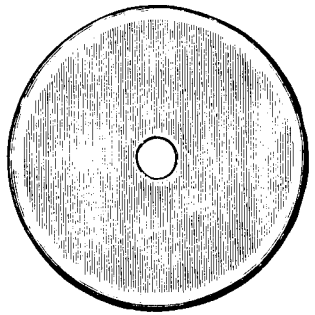
91612



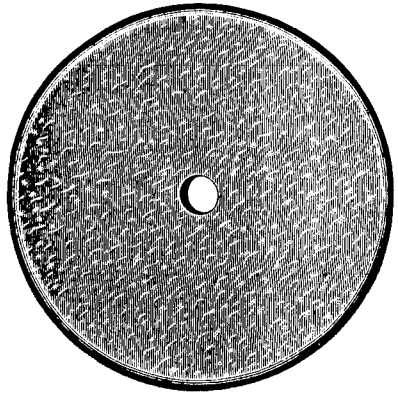
5963

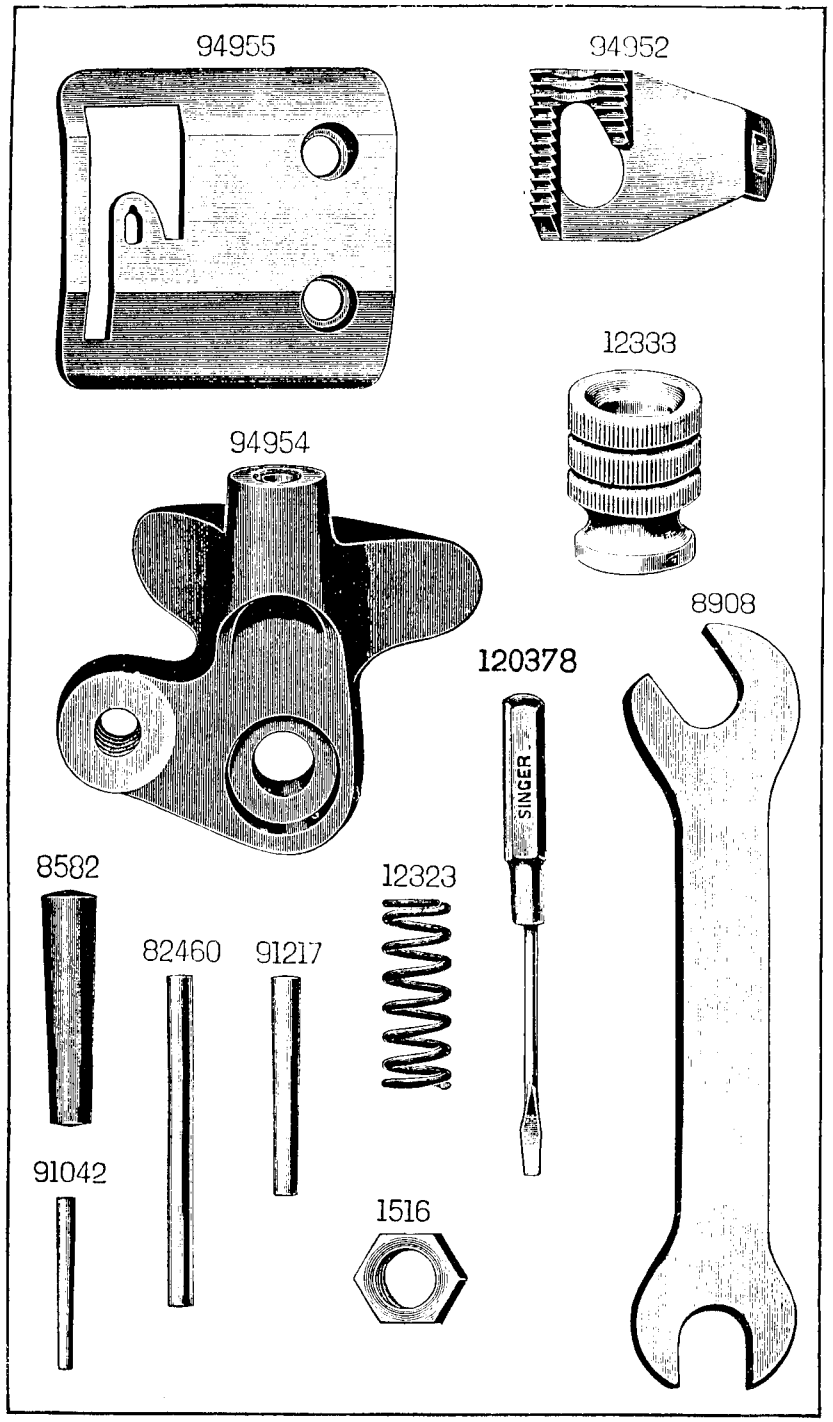


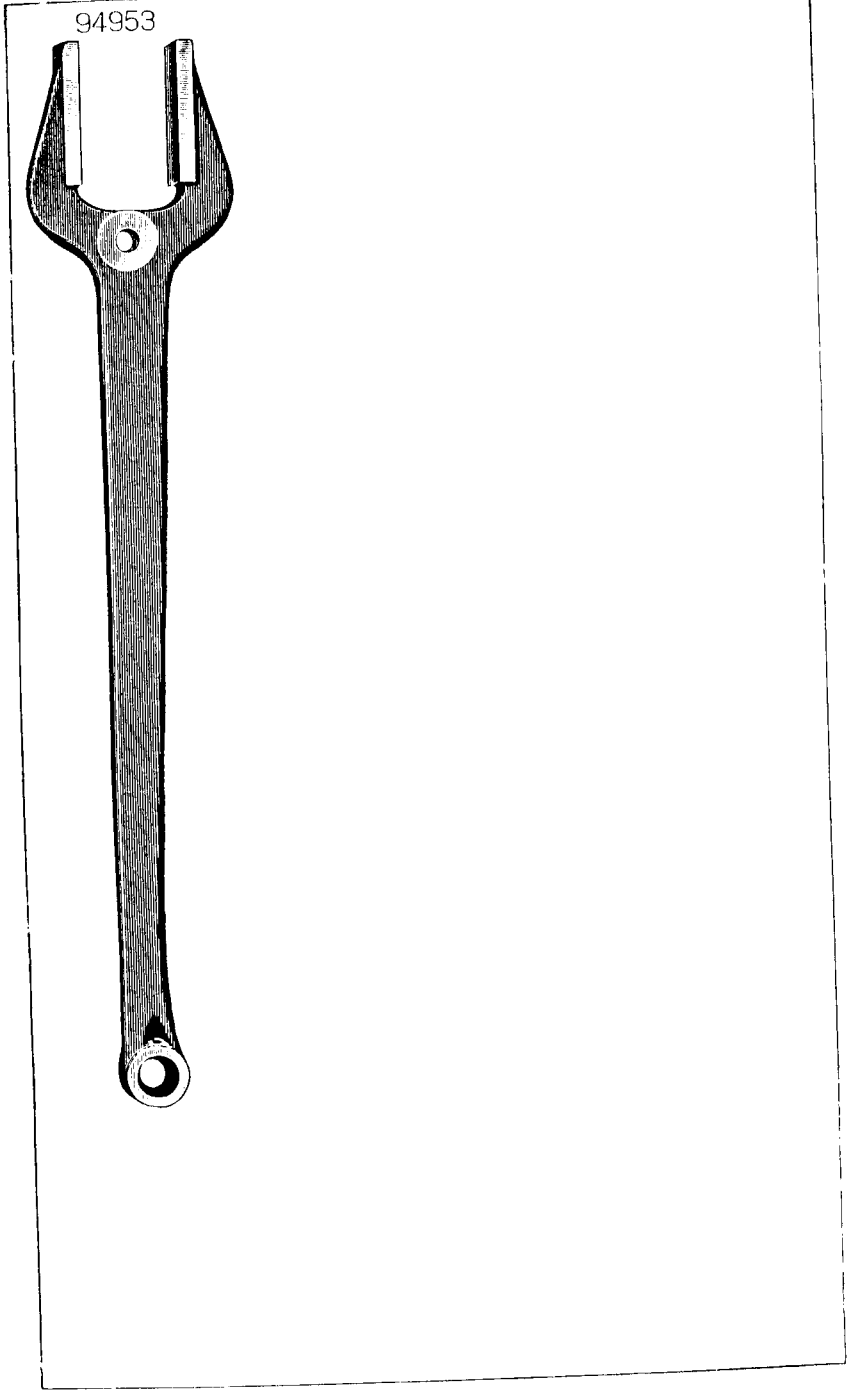
5961

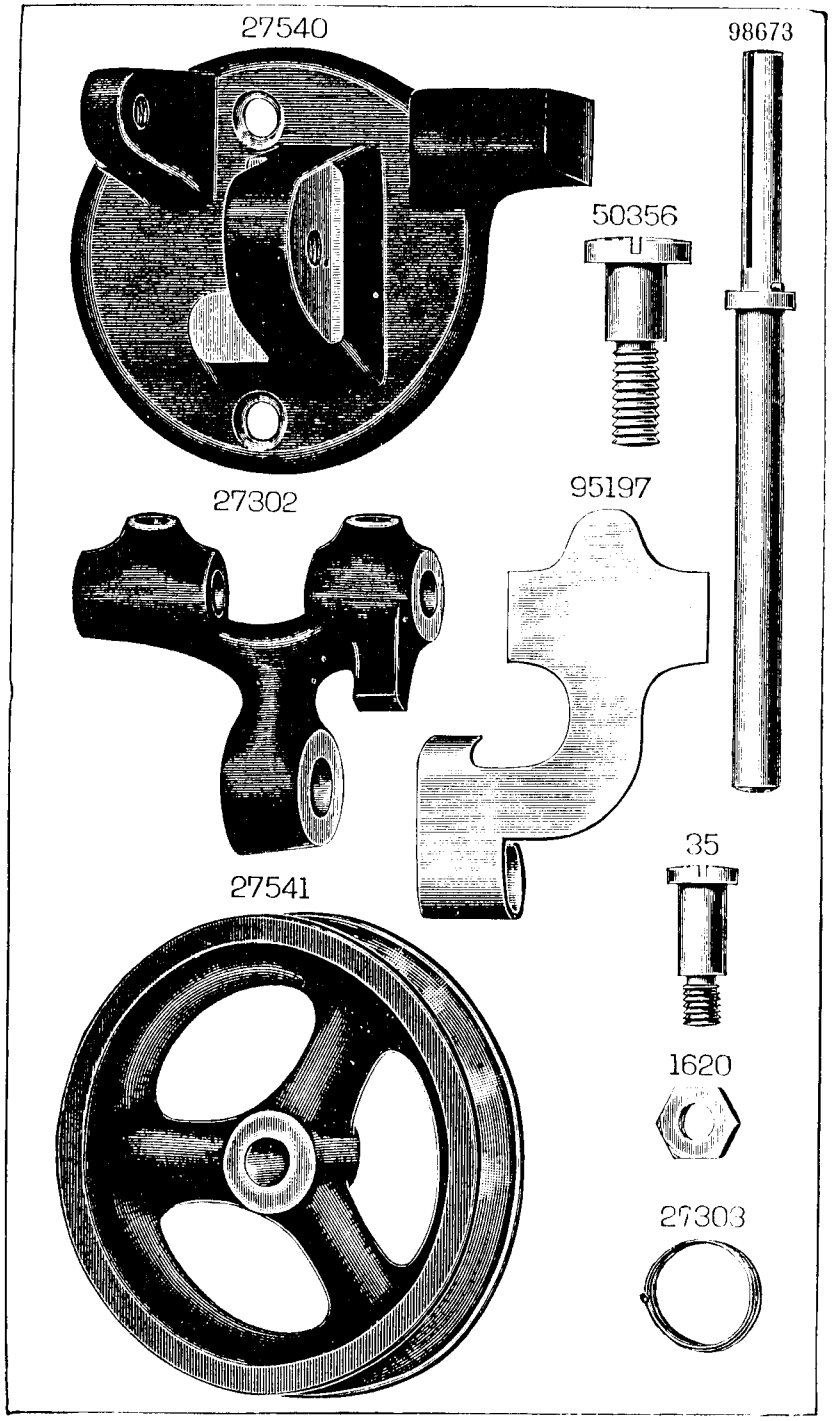


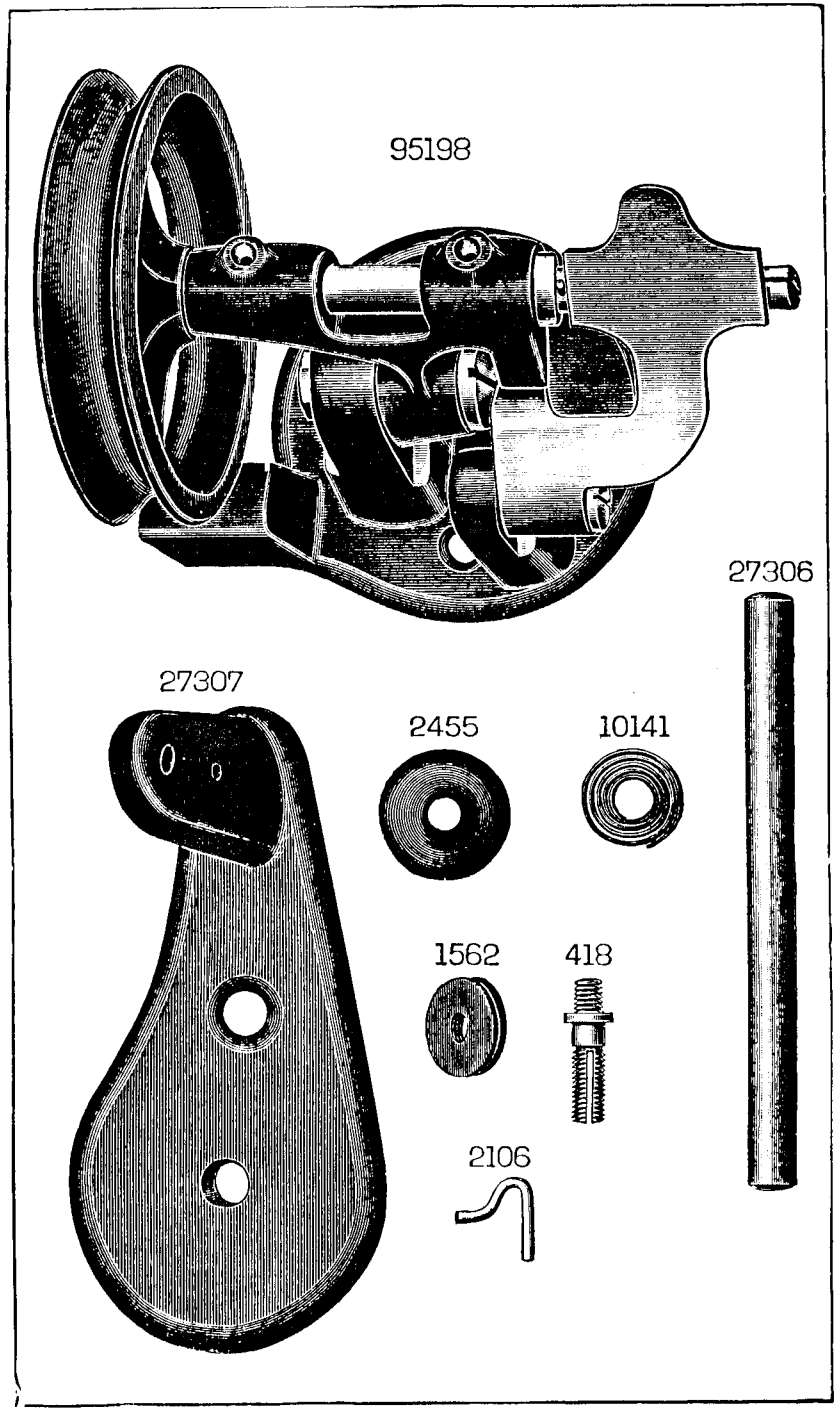
5960

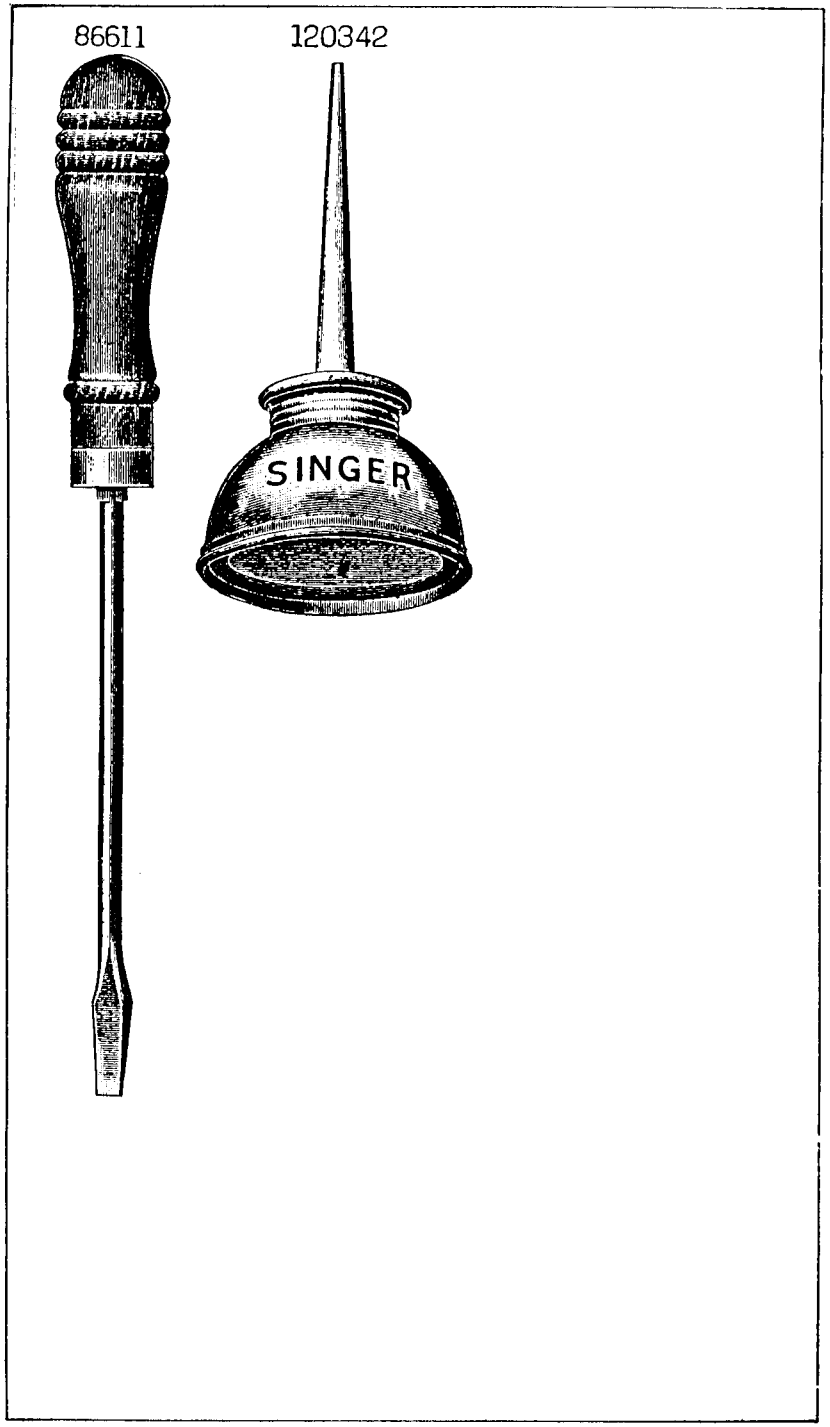


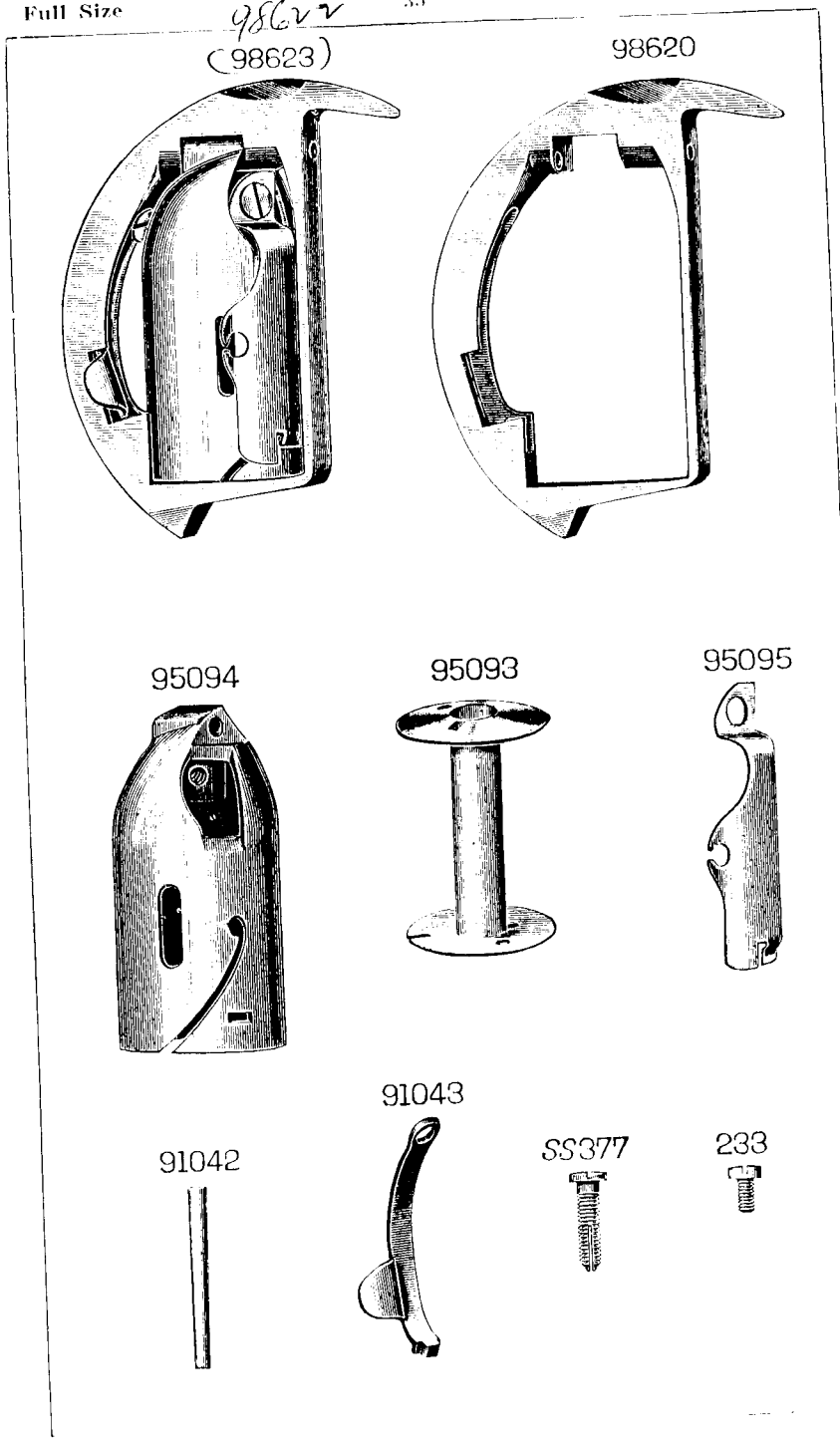

94955
94952
12333
94954
8908
120378
SINGER
8582
12323
82460
91217
91042
1516

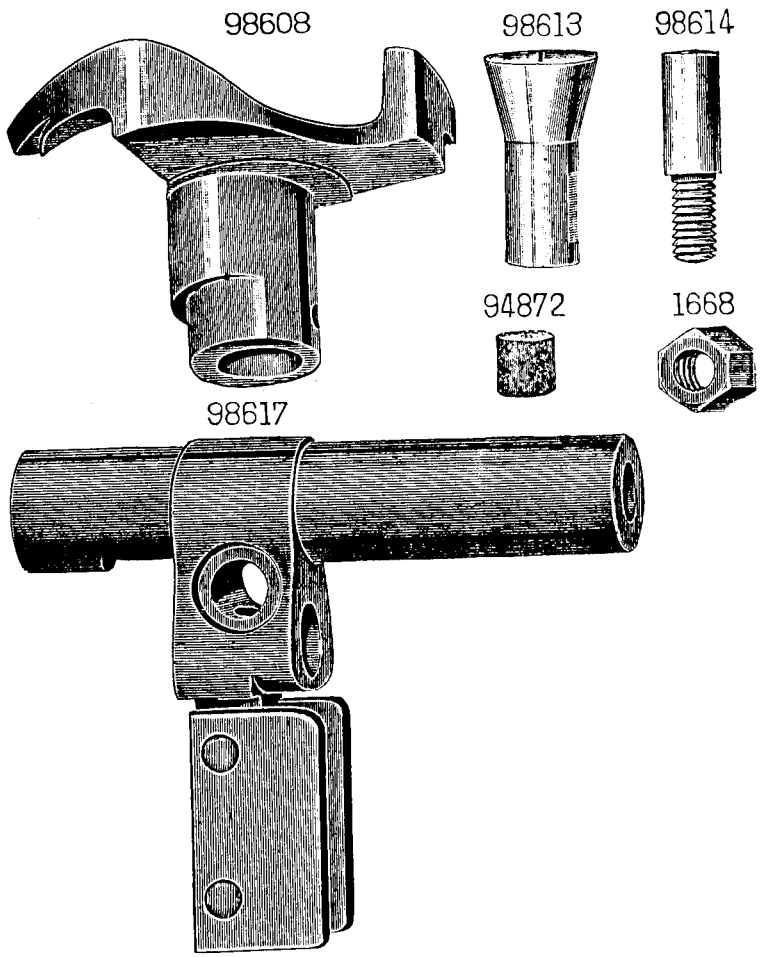

94953

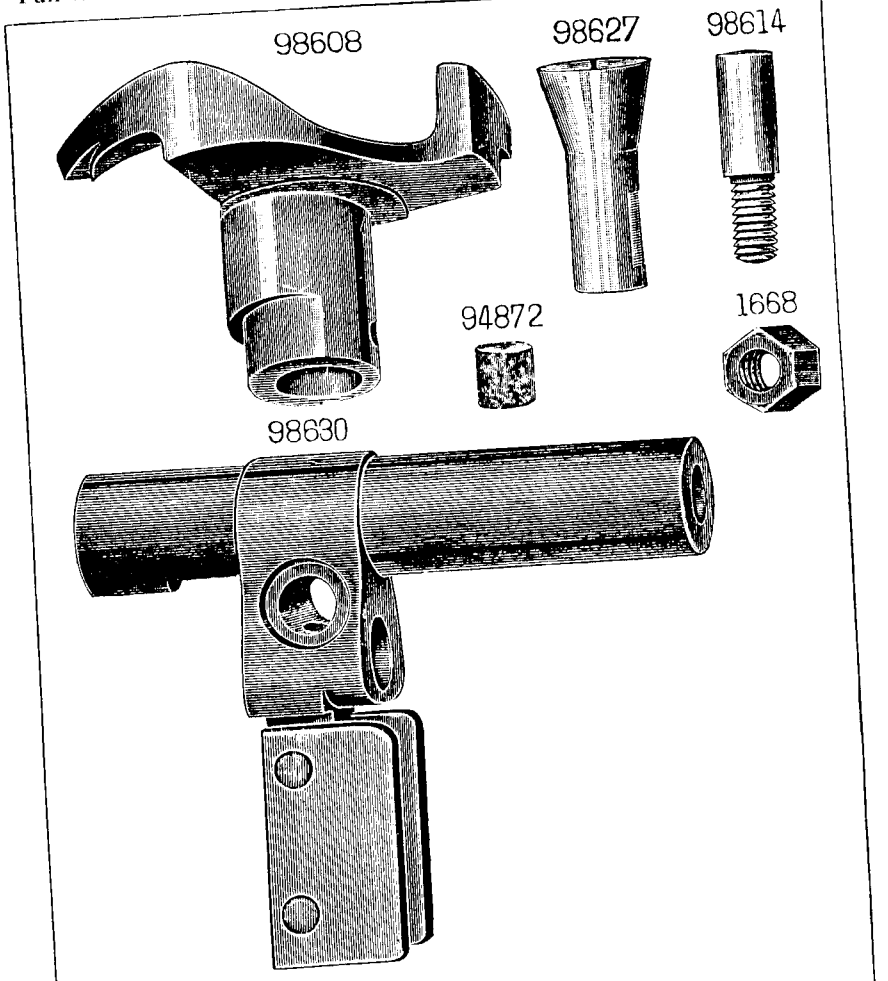

27540
98673
50356
27302
95197
35
27541
1620
27303

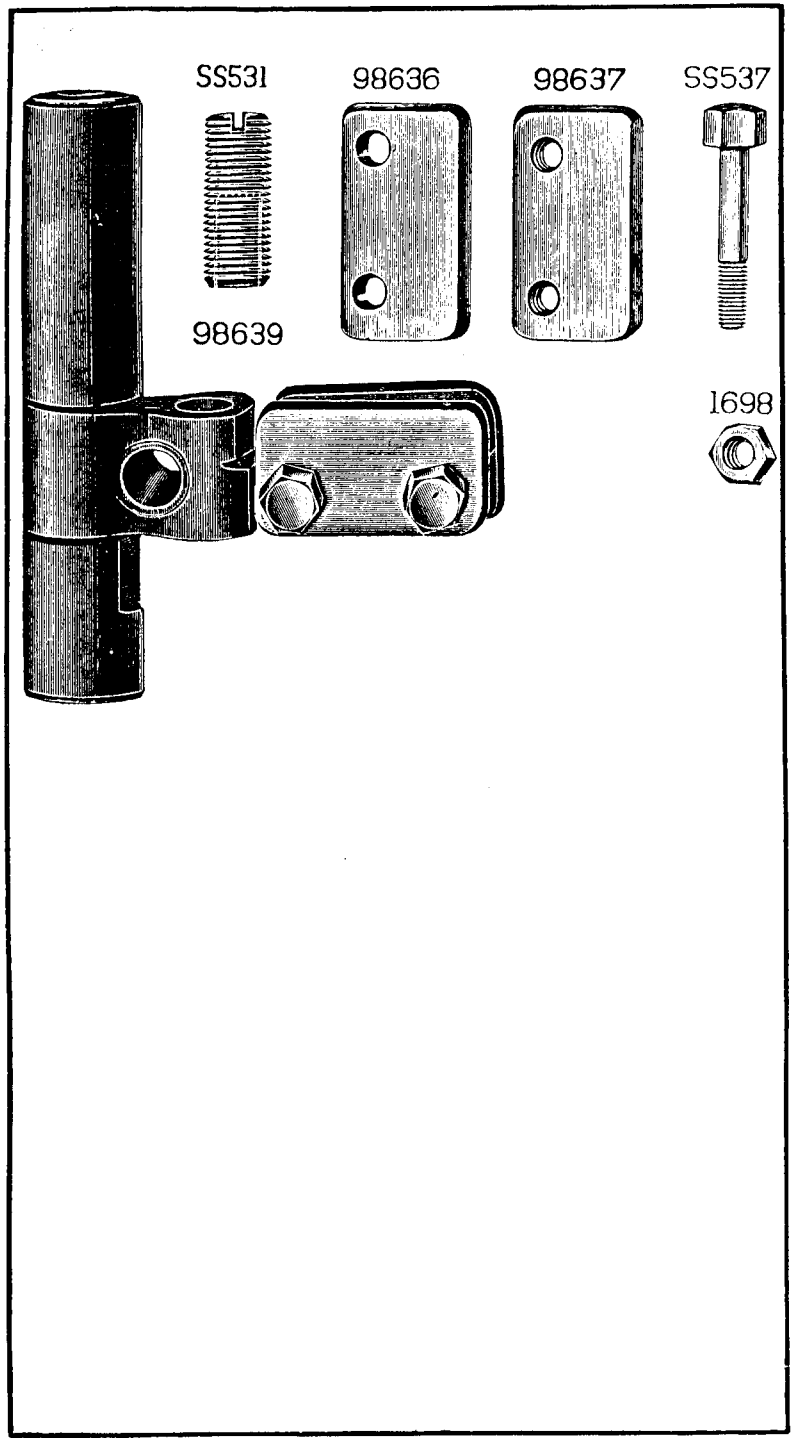

95198
27306
27307
2455
10141
1562
418
2106

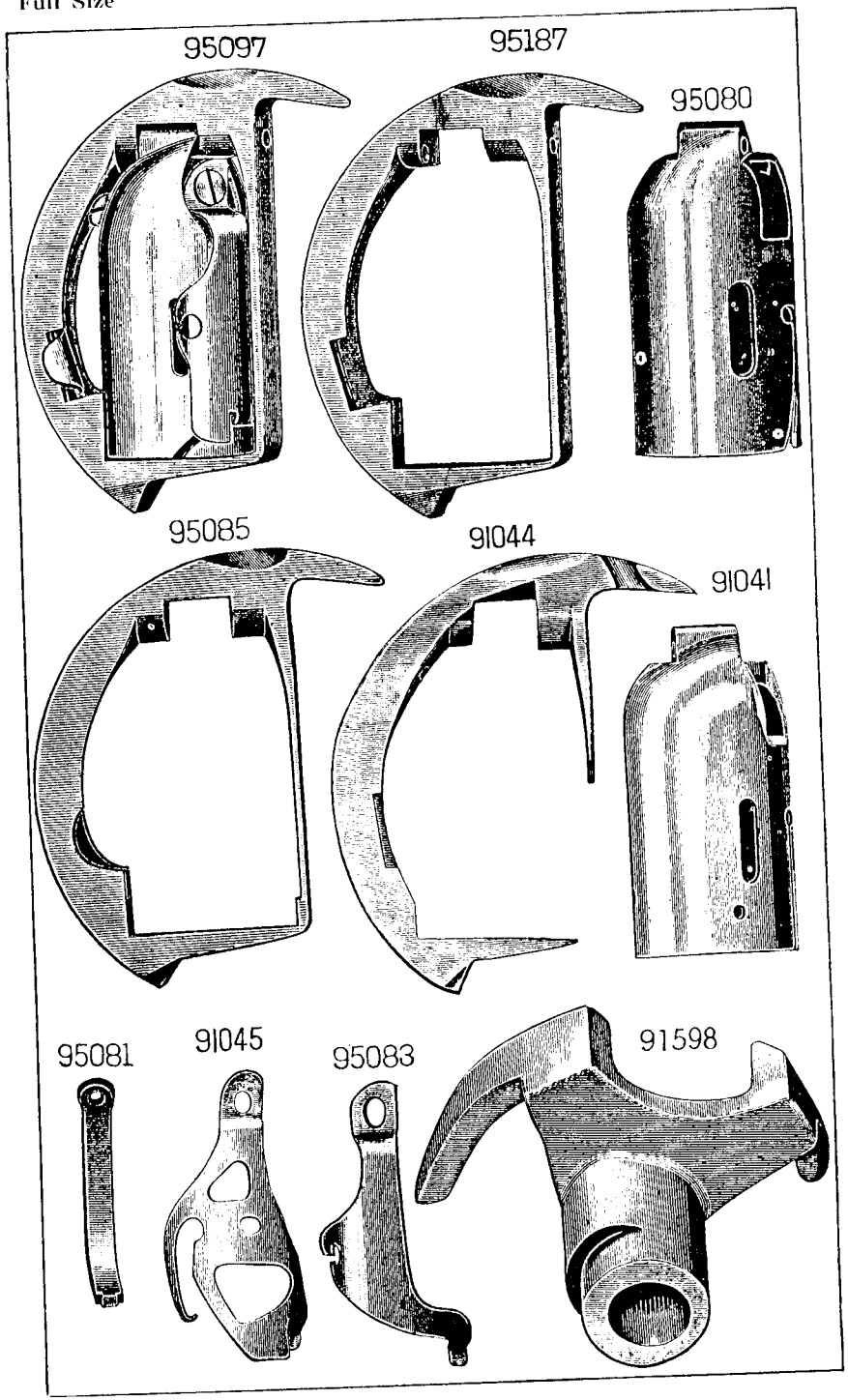

86611
120342
SINGER

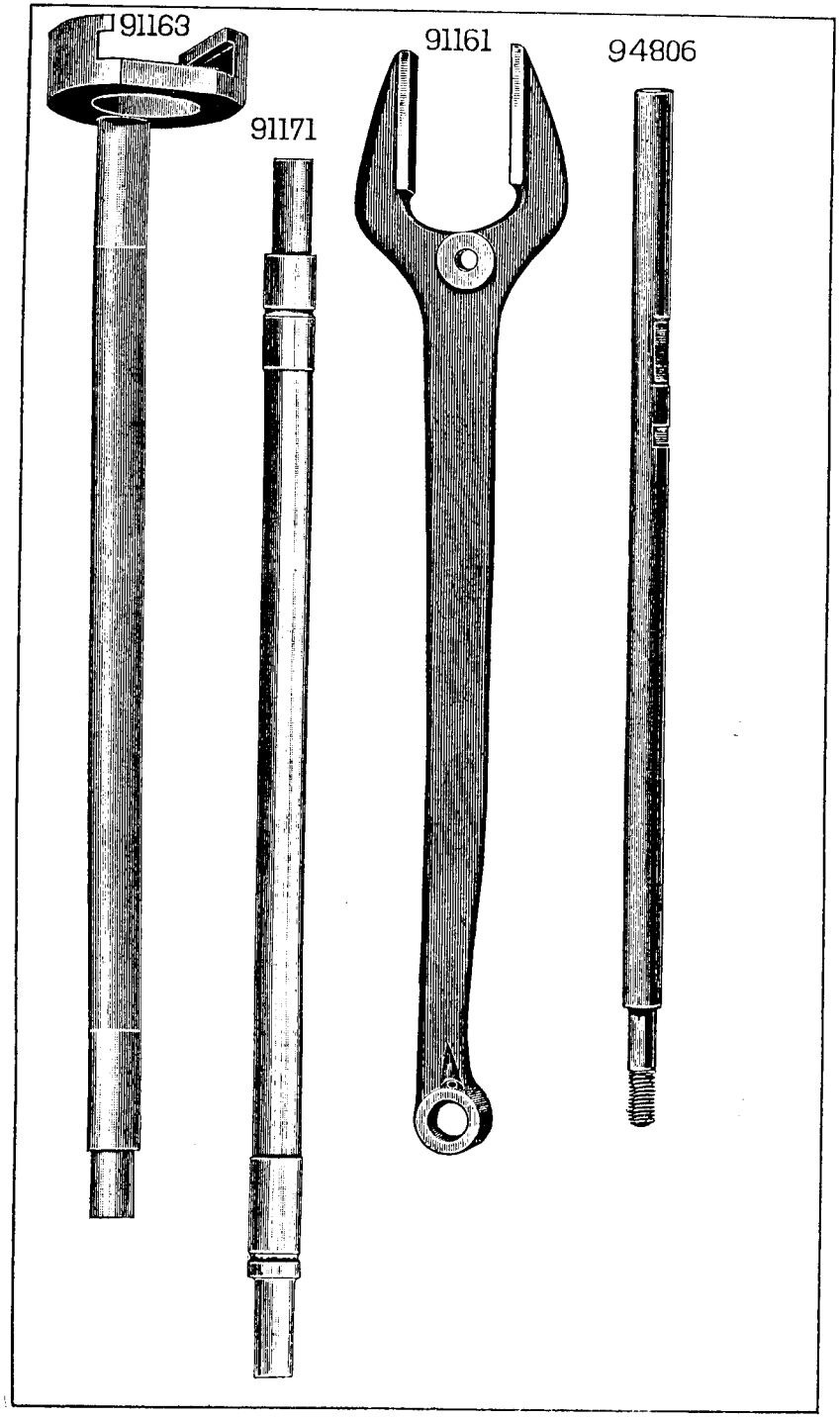

98623
98620
95094
95093
95095
91043
91042
SS377
233

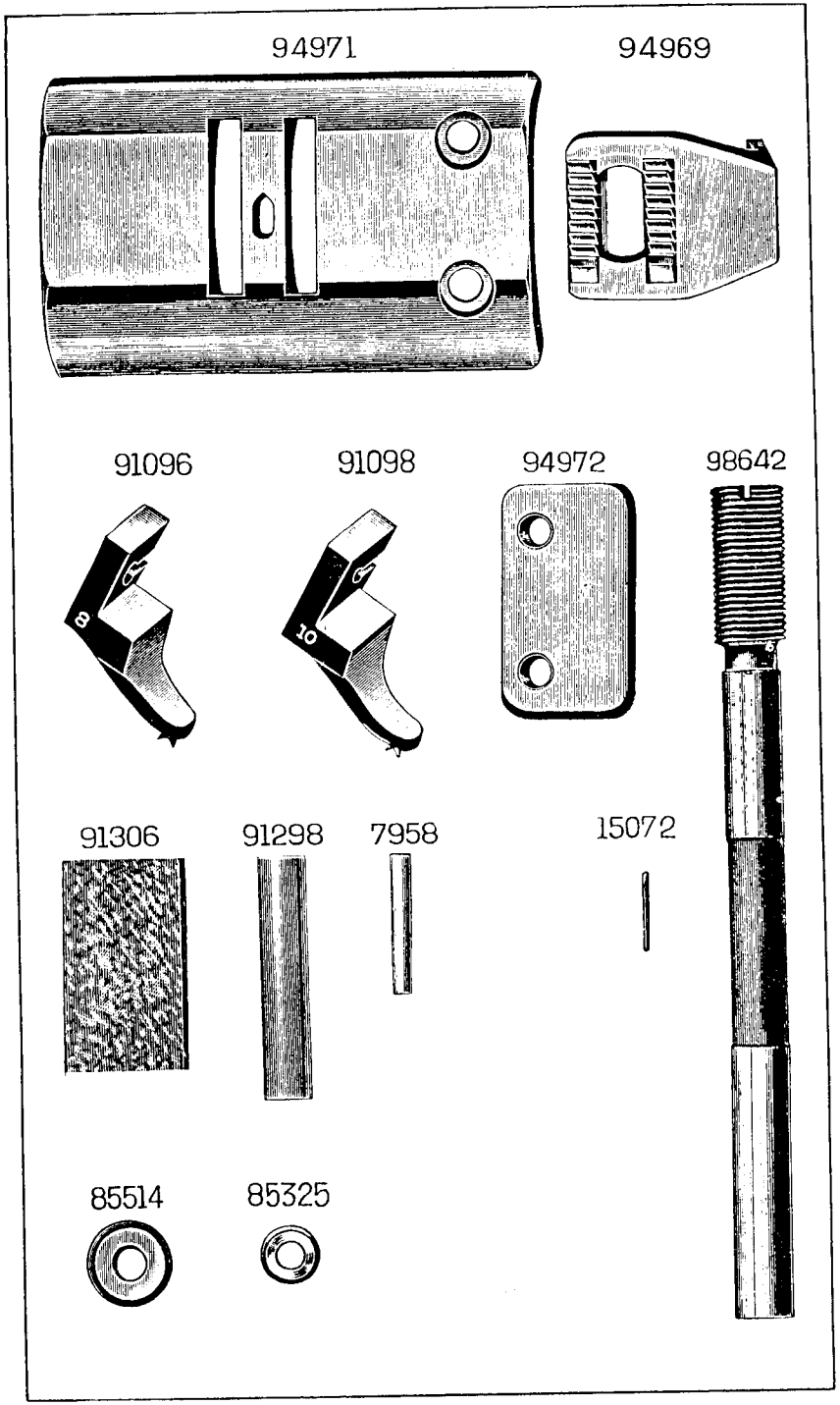

98608
98613
98614
94872
1668
98617

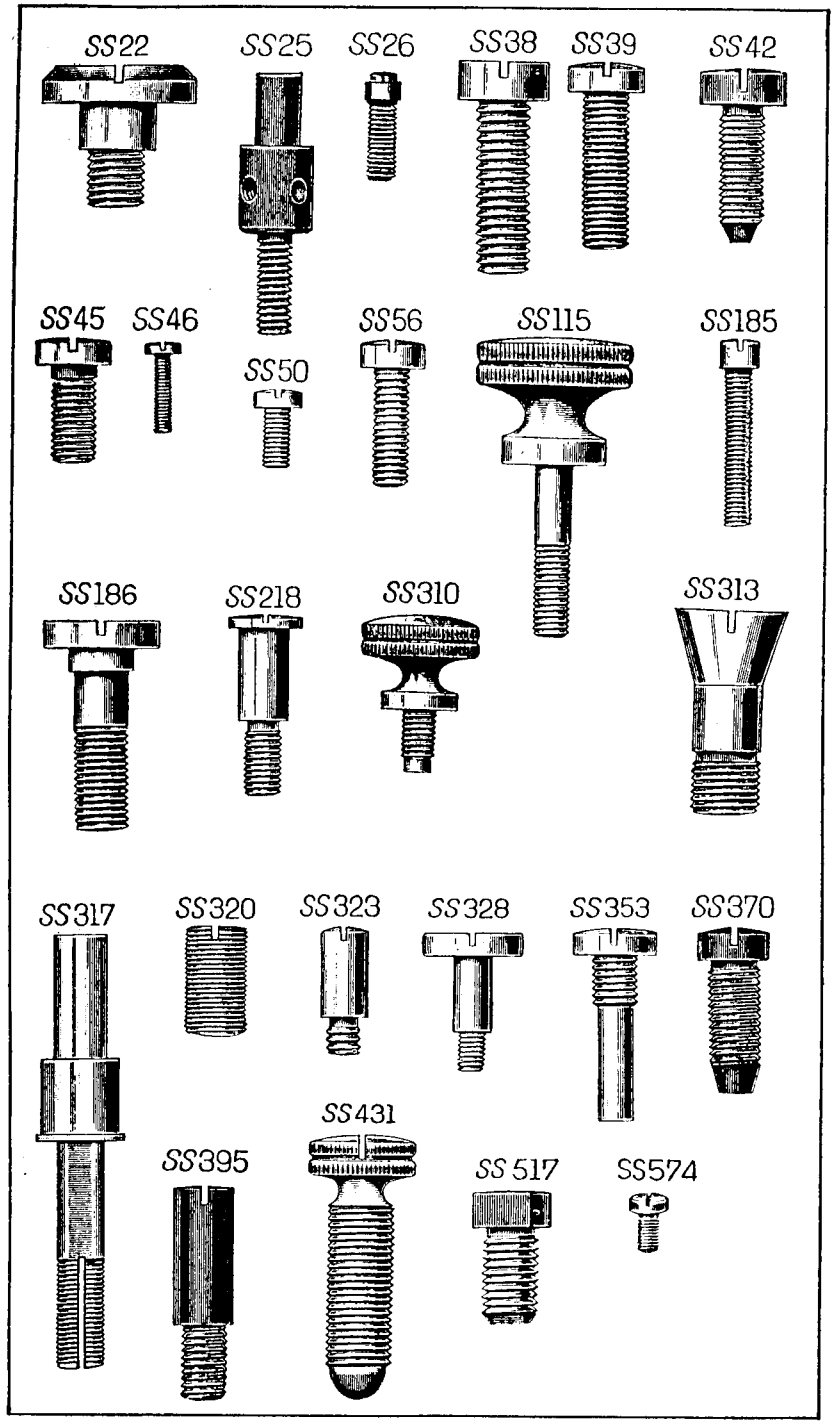

98608
98627
98614
94872
1668
98630

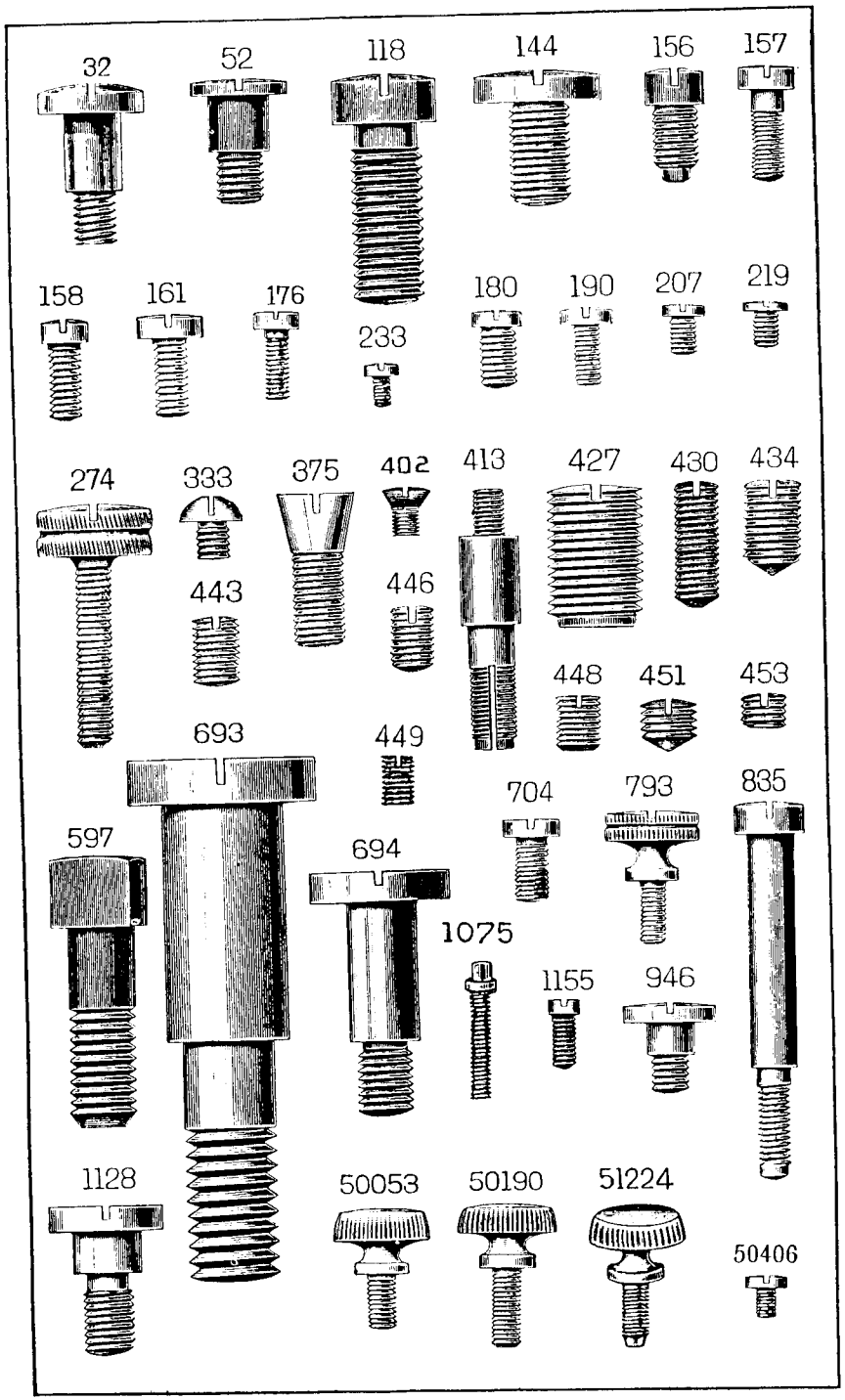

SS531
98636
98637
SS537
98639
1698

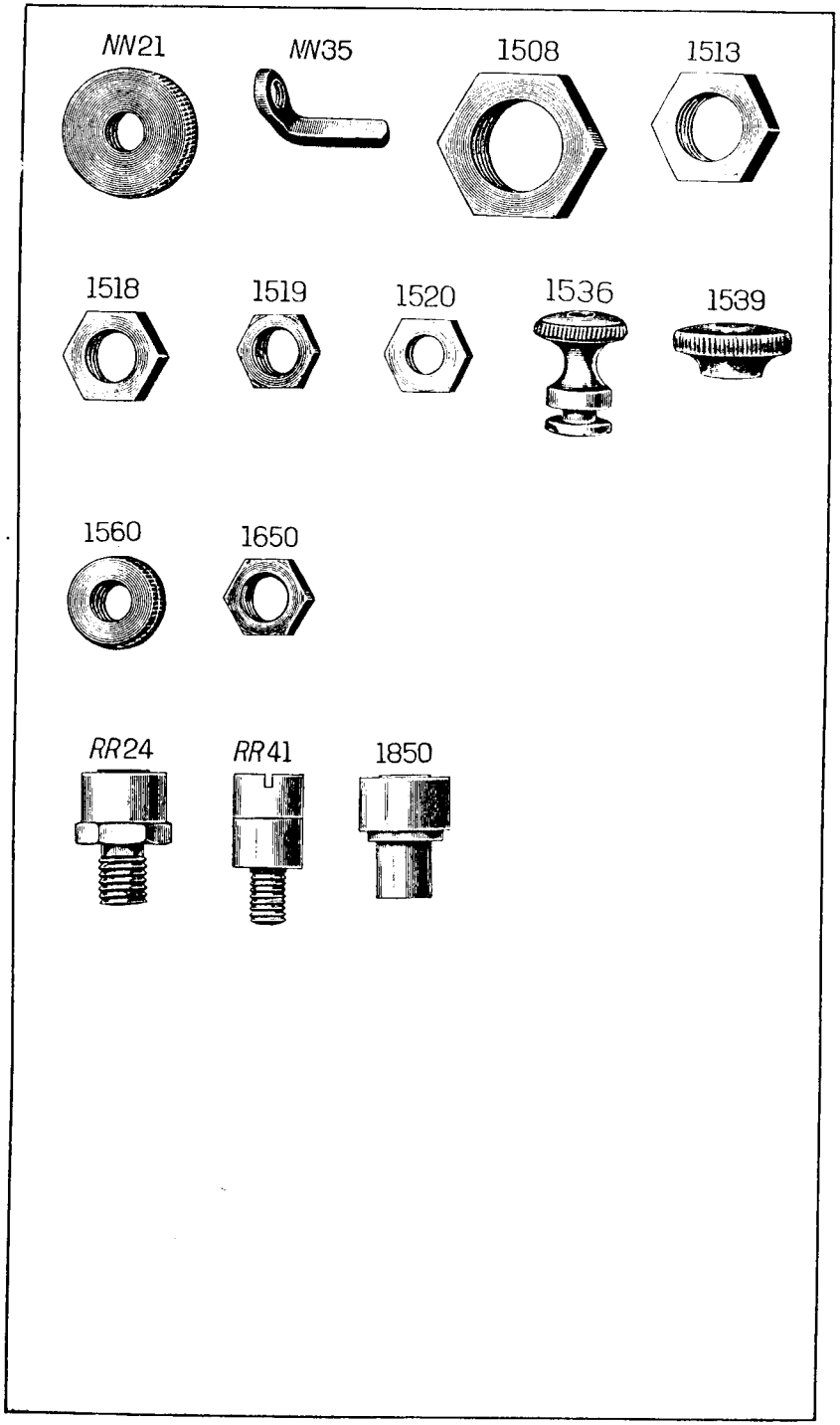

95097
95187
95080
95085
91044
91041
95081
91045
95083
91598


91163
91171
91161
94806


94971
94969
91096
91098
94972
98642
91306
91298
7958
15072
85514
85325


SS22
SS25
SS26
SS38
SS39
SS42
SS45
SS46
SS50
SS56
SS115
SS185
SS186
SS218
SS310
SS313
SS317
SS320
SS323
SS328
SS353
SS370
SS431
SS395
SS517
SS574


32
52
118
144
156
157
158
161
176
233
180
190
207
219
274
333
375
402
413
427
430
434
443
446
448
451
453
693
449
704
793
835
597
694
1075
1155
946
1128
50053
50190
51224
50406


NN21
NN35
1508
1513
1518
1519
1520
1536
1539
1560
1650
RR24
RR41
1850

CONTENTS

	Page
Parts Complete for No. 45K56 Machine	53
" Special to No. 45K89 Machine	61
Accessories	61
Attachments	62
Bobbin Winders	65
Driving Attachment	67
Foot Lifter	66
Obsolete Parts	68
Numerical List of Parts	71

INSTRUCTIONS FOR ORDERING

In ordering from this List, the prefix and affix letters with the part number MUST BE quoted exactly as they are shown in the first column.

A number always indicates the same part in whatever List it may appear, or for whatever machine.

The affix letters (where shown) indicate the style of finish, as follows:—

A. Hardened, Polished, Nickel Plated and Buffed.
B. Polished, Nickel Plated and Buffed.
C. Hardened only.
D. Polished only.
E. Soft, Not Polished.
F. Hardened and Polished.
G. Bright Rumbled and Nickel Plated.
H. Blued.
J. Nickel Plated only.
K. Hardened and Nickel Plated.
L. Brass Plated.
M. Oxidized.
R. Phosphate Coating Formed on Surface of Iron or Steel.
S. Cadmium Plated.
T. Copper Plated.
U. Zinc Plated.
V. Silver Plated.
W. Polished and Nickel Plated.
X. Black Oxide for Iron and Steel.
Y. Black Nickel Plated only.
Z. Chromium Plated.
A.A. Buffed and Chromium Plated.
A.B. Hardened, Polished, Buffed and Chromium Plated.
A.E. Hardened, Bright Rumbled and Nickel Plated.
A.F. Hardened, Bright Rumbled, Nickel Plated, Bright Rumbled and Chromium Plated.
A.G. Alumilite (Plain).
A.H. Alumilite (Dyed). Colour must be stated.
A.J. Polished, Nickel Plated and Chromium Plated.
A.K. Hardened, Polished, Nickel Plated and Chromium Plated.
A.L. Heat Treated for Toughness.
A.L.D. Heat Treated for Toughness and Polished.
A.L.X. Heat Treated for Toughness and Black Oxide.
A.S. Black Moulded Phenolic.
A.T. Beige Moulded Phenolic.
A.U. Brown Moulded Phenolic.
A.W. Hardened then Flame Coated with Tungsten Carbide.
B.A. Chrome Nickel, Satin Finish.
B.B. Hardened and Chrome Nickel, Satin Finish.
C.R. Hardened and Phosphate Coating Formed on Surface of Steel.
C.U. Hardened and Zinc Plated.
F.J. Hardened, Polished and Nickel Plated.
T.A. Hardened, Polished, Copper and Nickel Plated and Buffed.
T.B. Copper and Nickel Plated and Polished.
T.J. Copper and Nickel Plated only.
T.K. Hardened, Copper and Nickel Plated.
T.L. Copper and Brass Plated.
T.M. Copper Plated and Oxidized.
X.C. Hardened and Black Oxide for Iron and Steel.
Z.A. Hardened, Polished, Nickel Plated, Buffed and Chromium Plated.
Z.B. Polished, Nickel Plated, Buffed and Chromium Plated.
Z.C. Hardened and Chromium Plated.
Z.D. Polished and Chromium Plated.
Z.G. Bright Rumbled, Nickel Plated, Bright Rumbled and Chromium Plated.
Z.J. Nickel and Chromium Plated.
Z.T. Copper and Chromium Plated.

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

Parts Complete

FOR

No. 45K56 Machine

(OBSOLETE)

Cylinder Bed, Drop Feed, Needle Bar Link, Vibrating and Climbing Presser. For General Saddlery, Bag and Portmanteau, Rubber Heel Work, etc.

No.	Plate	
*91701		**Arm** with 446c, 82499 and 82549
8582	1149	" Dowel Pin (2)
118c	2151	" Screw (3)
91615	1063	**Arm Shaft**
82499	850	" " Bushing (back)
82549	1071	" " " (front)
446c	2151	" " " Set Screw for 82499
82400	851	" " Oil Tube
144c	2151	" " Screw
82402	847	**Arm Side Cover**
51224d	2151	" " " Thumb Screw
82403	851	" Spool Pin
*91463		**Bed** (Cylinder)
94801	1073	**Crank Connecting Rod** with 94802, 94872 and two 158c
*94802		" " " Cap
94872	1699	" " " " Oil Pad
158c	2151	" " " " Screw
98627	1741	" " " Hinge Stud
98614	1699	" " " " " Cotter Pin
1668c	1699	" " " " " " " Nut

No.	Plate	
91574	847	**Face Plate** ... ...
SS45d	2150	" " Screw ... ...
SS317e	2150	" " Tension Screw Stud ... ...
1560d	2152	" " " " " Regulating Thumb Nut ...
446c	2151	" " " " " Set Screw ... ...
82445	854	" " " Spring ... ...
82446	854	" " " Washer (felt) ... ...
82447	854	" " " " (steel) ... ...
82448	854	" " " Wheel ... ...
82502	-	" " Tension, complete, Nos. *SS317e*, 1560d, 82445, 82448, two each 82446 and 82447 ... ...
82551	1071	" " Thread Controlling Lever ... ...
82525	851	" " " " " Spring ...
82455	851	" " " " " Stop Pin ...
82450	851	" " " Eyelet ... ...
SS50f	2150	" " " " Screw ... ...
82449	851	" " " Guard ... ...
233d	2151	" " " " Screw ... ...
2102	851	" " " Retainer Disc ... ...
*413e	2151	" " " " Screw Stud ...
33892		" " " " " " 413e with 1560d ...
1560d	2152	" " " " " " Regulating Thumb Nut
2103	850	" " " " Spring ... ...
82503		" " " Retainer, complete, Nos. 2103, 33892 and two 2102
91575	-	**Face Plate,** complete, Nos. *SS50f*, 233d, 446c, 82449, 82450, 82455, 82502, 82503, 82525, 82551 and 91574 ... ...
3032	850	**Feed Cam** with 446c ... ...
446c	2151	" " Set Screw ... ...
52165	851	**Feed Connecting Link** ... ...
375c	2151	" " " Hinge Screw (2) ... ...
1518c	2152	" " " " " Nut (2) ... ...
91541	856	**Feed Dog** for Angular Stitch Work ... ...
91486	828	" " " Bag Handle Work ... ...
91540	865	" " " Football Work ... ...
91576	1075	" " " General Work ... ...
91538	865	" " (single row of teeth, coarse) for Leather Bag, Portmanteau and Motor Tyre Work
94969	2149	" " (double row of teeth, coarse) for Leather Bag, Portmanteau and Motor Tyre Work

No.	Plate	
91543	857	**Feed Dog** (single row of teeth, coarse) for Stitching Rings into Golf Bags
94970		" " (double row of teeth, fine) for Saddlery Work ...
		NOTE. No. 91576 is sent with this machine unless otherwise specified on order.
91160	849	**Feed Dog Carrier** ... ...
704c	2151	" " Screw ... ...
91161	2148	**Feed Forked Connection** ... ...
375c	2151	" " " Hinge Screw ... ...
1518c	2152	" " " " " Nut ... ...
82414	852	**Feed Regulator** ... ...
1128c	2151	" " Hinge Screw ... ...
SS115d	2150	" " Thumb Screw ... ...
91163	2148	**Feed Rock Shaft** ... ...
91565		" " " 91163 with 98674 ... ...
98674	852	" " " Crank with 156f and *SS317e* ... ...
SS317e	2150	" " " " Clamping Screw ... ...
156f	2151	" " " " Position Screw ... ...
91490	852	**Guide** ... ...
793d	2151	" Thumb Screw (2) ... ...
91611		**Guide Holder** ... ...
91603		" " Bracket ... ...
91217	1149	" " " Hinge Pin ... ...
91604		" " Hinge Lever ... ...
946f	2151	" " " " Screw... ... ...
91612	1075	**Guide Holder** (Swing), complete, Nos. 946f, 91217, 91603 91604 and 91611
SS39d	2150	" " Binding Screw ... ...
91739	1070	**Lifting Presser Plunger** ... ...
8575	1070	" " " Position Pin ... ...
RR51	851	" " " Roller ... ...
SS323f	2150	" " " " Screw Stud ... ...
91740		**Lifting Presser Plunger,** complete, Nos. *RR51*, *SS323f* and 91739

No.	Plate	
82404		**Machine Pulley** (two speeds) with two 434c ... ...
91002	...	" " (" ") (heavy) with two 434c ...
434c	2151	" " Set Screw ... ...

NOTE.—No. 82401 is sent with this machine unless Heavy is specified on order.

91580	847	**Needle Bar** ... ...
91022	851	" " Connection with two 158c ... ...
158c	2151	" " " Clamping Screw ... ...
91240	850	" " " Link ... ...
375c	2151	" " " " Hinge Screw ... ...
1518c	2152	" " " " " " Nut ... ...
82520	852	**Needle Clamp** ... ...
156f	2151	" " Screw ... ...
82521	852	" " Thread Eyelet ... ...
50406d	2151	" " " " Screw ... ...
82522	...	" " 82520, with 156f, 50406d and 82521 ... ...
91796	1063	**Oil Box** ... ...
82459	1063	" " Cover ... ...
82460	1149	" " " Hinge Pin ... ...
80106	1071	" " " Latch Spring ... ...
219f	2151	" " " " " Screw ... ...
82462	1071	" " " " " " Washer ... ...
82463	...	" " Oil Pad (cloth) ... ...
*SS*50f	2150	" " " " Screw ... ...
82462	1071	" " " " " Washer ... ...
*SS*395f	2150	" " Stud Screw ... ...
*SS*42f	2150	" " " " Set Screw ... ...
91797	1063	**Oil Box,** complete, Nos. *SS*42f, *SS*50f, 219f, 80106, 82459, 82460, 82463, 91796 and two 82462 ... ...
98639	2001	**Oscillating Rock Shaft** with 98636, 98637, two each *SS*537e and 1698c
98642	2149	" " " Hinge Pin ... ...
1513j	2152	" " " " " Nut ... ...
*SS*531c	2001	" " " " " Screw Bearing ... ...
1513j	2152	" " " " " " " Nut ...
98636	2001	" " " Steel Plate (bottom) ... ...
98637	2001	" " " " " (top) ... ...
*SS*537e	2001	" " " " " Binding Screw ... ...
1698c	2001	" " " " " " " Lock Nut...

No	Plate	
98641		**Oscillating Rock Shaft,** complete, Nos. 1668c, 98614, 98627 and 98639 ... ...
91171	2148	**Oscillating Shuttle Shaft** ... ...
91172	849	" " " Crank with 453c and 1850 ...
11663	852	" " " " Pin ... ...
1850	2152	" " " " Roller and Stud ... ...
453c	2151	" " " " Set Screw ... ...
91806	2148	**Presser Bar** (round) ... ...
91582	847	" " (flat) with 91169 ... ...
*SS*185f	2150	" " (") Adjusting Screw ... ...
*NN*35d	2152	" " (") " " Lock Nut ... ...
52f	2151	" " (") Hinge Screw ... ...
91583	850	" " (") Locking Plate ... ...
*SS*353d	2150	" " (") " " Screw ... ...
91595	850	" " (") Lower Guide Bracket with 157f and 91169...
157f	2151	" " (") " " " Clamping Screw ...
91169	852	" " (") " " " Retaining Spring Pin
*RR*41	2152	" " (") " " " Roller Screw and Stud
91113	851	" " (") Retaining Spring ... ...
91169	852	" " (") " " Pin ... ...
91464	851	" " Automatic Thread Controller with 448c ...
448c	2151	" " " " " Set Screw ...
91742	1070	**Presser Bar Gripping Bracket** ... ...
91743	1070	" " " " Block ... ...
91744	1070	" " " " " Retaining Pin ...
91745	1070	" " " " Grip Lever ... ...
430al	2151	" " " " " " Adjusting Screw
1520r	2152	" " " " " " " " Nut
91587	851	" " " " " " Hinge Pin ...
91746	1070	" " " " " Retaining Spring ...
1650c	2152	" " " " " " " " Lock Nut
*NN*21d	2152	" " " " " " Spring Thumb Nut
91747	...	**Presser Bar Gripping Bracket,** complete, Nos. 430al, 1520r, 91587 and 91742 to 91745 ... ...

No.	Plate	
91590	850	**Presser Bar Lifter** ... ...
SS486d	2150	" " " Hinge Screw ... ...
1518e	2152	" " " " " Nut ... ...
91591	850	**Presser Bar Lifting Bracket** with 443e and 1155e ...
1155e	2151	" " " " Position Screw ... ...
443e	2151	" " " " Set Screw ... ...
91697	854	" " " " Tension Release ... ...
190f	2151	" " " " " " Binding Screw
91696	854	" " " " " " Bracket ...
190f	2151	" " " " " " " Screw
91699		" " " " 91591 with 91696, 91697 and four 190f
91594	847	" " " Cam ... ...
704e	2151	" " " " Screw ... ...
SS355e	850	" " Screw Bushing ... ...
91248	854	" " Spring (spiral) ... ...
8627	1073	" " " (flat) ... ...
91715	1073	**Presser Bar** Spring (flat) for use with machine when fitted with Foot Lifter
1539d	2152	" " " Thumb Lock Nut ... ...
274d	2151	" " " " Screw ... ...
91499	828	**Presser Feeding Foot** (plain) with serrated toes, for Saddlery, Leather Bag, Portmanteau and Motor Tyre Work ...
91550	854	**Presser Foot** (plain) with single toe serrated ... ...
91596	854	" " (") " two toes serrated ... ...
91548	854	" " with single point and serrated toe to left of needle
91552	856	" " for Angular Stitch Work ... ...
86142	837	" " " Bag Handle Work ... ...
91554	857	" " " Stitching Rings into Golf Bags ... ...

NOTE. No. 91550 is sent with this machine unless otherwise specified on order.

91092	—	**Presser Foot Feed Point,** $\frac{1}{8}$" Square Stitch ... ...
91093	—	" " " " $\frac{1}{8}$" Twist Stitch ... ...
91094		" " " " $\frac{1}{7}$" Square Twist ... ...
91095		" " " " $\frac{1}{7}$" Twist Stitch ... ...

No.	Plate	
91096	2149	**Presser Foot Feed Point,** $\frac{1}{8}$" Square Stitch ... ...
91097		" " " " $\frac{1}{8}$" Twist Stitch ... ...
91500	828	" " " " $\frac{1}{8}$" Square Stitch, with serrated toe, for Saddlery Work
91098	2149	" " " " $\frac{1}{10}$" Square Stitch ... ...
91099		" " " " $\frac{1}{10}$" Twist Stitch ... ...
91501	828	" " " " $\frac{1}{10}$" Square Stitch, with serrated toe, for Saddlery Work
91100		" " " " $\frac{1}{12}$" Square Stitch ... ...
91101		" " " " $\frac{1}{12}$" Twist Stitch ... ...
91502	828	" " " " $\frac{1}{12}$" Square Stitch, with serrated toe, for Saddlery Work
91102		" " " " $\frac{1}{14}$" Square Stitch ... ...
91103		" " " " $\frac{1}{14}$" Twist Stitch ... ...

NOTE. Presser Foot Feed Points may be used with this machine, but are only supplied when specified on order and at an extra charge.

50190d	2151	**Presser Foot** Thumb Screw ... ...
95093	1695	**Shuttle Bobbin** ... ...
95094	1695	" Cylinder ... ...
91042	1695	" " Hinge Pin ... ...
91043	1695	" " Latch Spring ... ...
SS574d	2150	" " " " Screw ... ...
98620	1695	" Frame ... ...
95095	1695	" Tension Spring ... ...
SS377f	1695	" " " Adjusting Screw ... ...
98623	1695	**Shuttle** (Cylinder) $2\frac{1}{2}$" diam., complete, Nos. SS377f, SS574d, 91042, 91043, 95093 to 95095 and 98620 ... ...
98608	1699	**Shuttle Driver and Feed Raising Cam** ... ...
11663	852	" " Pin ... ...

NOTE. Shuttle Driver No. 98608 must be used in conjunction with Shuttle No. 98623 and vice versa. These new parts are not interchangeable with the old.

91451	827	**Shuttle Race** (cast iron) ... ...
91315	849	" " Cap Spring ... ...
SS218d	2150	" " " " Screw ... ...
91452	827	" " Cover ... ...

No.	Plate	
91430	849	**Shuttle Race** Ring
*SS*318e	849	" " " Position Screw Stud (2)
91709	-	**Thread Take-up Cam** with *SS*320e and *SS*370e
*SS*320e	2150	" " " Set Screw
*SS*370e	2150	" " " Timing Screw
91710	1071	" " " 91709 with 91594 and two 704e
91505	-	**Thread Take-up Lever**
*SS*22f	2150	" " " Hinge Screw
92814	1071	" " " Roller
*SS*328e	2150	" " " " Screw
*RR*24	2152	" " " " and Stud
1519e	2152	" " " " " " Nut
91507	850	**Thread Take-up Lever,** complete, Nos. *RR*24, *SS*328e, 1519e, 91505 and 92814
91557	856	**Throat Plate** for 91541
91508	828	" " " 91486 and 91538
91555	865	" " (short) for 91540
91556	865	" " (long) for 91540
91601	1075	" " for 91576
94974	-	" " (fine needle hole) for 94969 and 94970
94971	2149	" " (coarse needle hole) for 94969 and 94970
91559		" " for 91561
*91560	-	" " Raised Plate for 91561
190c	2151	" " " " Screw for 91561
91561	857	" " complete, Nos. 91559, 91560 and two 190c for 91543
180f	2151	" " Screw (2)

NOTE.—No. 91601 is sent with this machine unless otherwise specified on order.

94890		**Work Plate** for all Throat Plates except 91508 and 91555
94968	—	" " " 91508 and 91555
*SS*39d	2150	" " Screw

NOTE.—No. 94890 or 94968 is supplied only when specified on order and at an extra charge.

Parts Special

TO

No. 45K89 Machine

Cylinder Bed, Reversible Drop Feed, Needle Bar Link, Vibrating and Climbing Presser. For General Saddlery, Bag and Portmanteau, Rubber Heel Work, etc.

This Machine is the same as 45K56, with the following exceptions :—

No.	Plate	
*94951		**Arm** with 146e, 82499 and 82549
94952	1149	**Feed Dog**
94953	1150	**Feed Forked Connection**
94954	1149	**Feed Regulator and Reverser**
12333	1149	" " Handle
12323	1149	" " " Friction Spring
835d	2151	" " Screw
*SS*431e	2150	**Feed Regulating Thumb Screw**
1516e	1149	" " " Nut
94955	1149	**Throat Plate**
94968		**Work Plate**

NOTE. No. 94968 is supplied only when specified on order, and at an extra charge.

Accessories

		Instruction Book
51077e	849	Machine Bolt with 1524e, 3" × ¼" (4)
6055	849	" " Washer (4)
		Needles (6)
120342	1600	Oiler
86611	1600	Screw Driver (large)
120378	1149	Screw Driver (shuttle tension)
95093	1695	Shuttle Bobbin (2)
8908	1149	Wrench

Attachments

ATTACHMENT FOR SADDLERY WORK

No.	Plate	
85749	176	Base ... ...
85750	176	" Spring ... ...
85751	176	" " Regulator with SS310d ... ...
SS310d	2150	" " " Thumb Screw ... ...
207d	2151	" " Screw ... ...
85325	2149	" " " Washer ... ...
85752	176	Binder only, complete, Nos. 207d, 85325 and 85749 to 85751 ...
85822	176	Combination Guide ... ...
85823	176	" " Base ... ...
161d	2151	" " Screw ... ...
85514	2149	" " " Washer ... ...
85824	176	Combination Guide, complete, Nos. 161d, 85514, 85822 and 85823
85535	176	Presser Foot ... ...
85829	176	**Saddlery Attachment,** complete, Nos. 85535, 85752 and 85824

ATTACHMENT FOR STITCHING BAG HANDLES

(Rope Inserted).

No.	Plate	
86264	842	Feed Dog ... ...
86265	842	Guide ... ...
86266	842	" Spring ... ...
703d	842	" Thumb Screw ... ...
86267	842	Presser Foot ... ...
86268	842	Throat Plate ... ...
86269	842	" " Guide ... ...
793d	2151	" " " Thumb Screw ... ...
86270	842	Throat Plate 86268 with 86269 and two 793d ... ...
86271	842	**Attachment,** complete, Nos. 86264 to 86267, 86270 and two 703d

BINDER (ADJUSTABLE) FOR LEATHER AND MOTOR CAR HOOD BINDING

No.	Plate	
86202	860	Base ... ...
86203	860	Guide (top) ... ...
86204		" (bottom) with 1075e ... ...
1075e	2151	" (") Screw Stud ... ...
1536d	2152	" Regulating Thumb Nut ... ...
86205	860	Binder only, complete, Nos. 1536d and 86202 to 86204 ...
91552	860	Presser Foot ... ...
86284	860	**Binder,** complete, Nos. 86205 and 91552 ... ...

BINDER (ADJUSTABLE) FOR HORSE RUGS

No.	Plate	
86209	845	Base and Folder with SS25d ... ...
86210	845	" Guide Wire ... ...
50053d	2151	" " " Thumb Screw ... ...
SS25d	2150	" Screw Stud ... ...
86211	845	Guide (top) ... ...
XX19d	845	" Thumb Nut ... ...
85514	2149	" " " Washer ... ...
86212	845	Binder only, complete, Nos. XX19d, 50053d, 85514 and 86209 to 86211 ... ...
86278	845	Feed Dog ... ...
86207	845	Presser Foot ... ...
86280	845	Throat Plate ... ...
86282	845	**Binder,** complete, Nos. 86207, 86212, 86278 and 86280 ...

WELTING ATTACHMENT FOR BAGS, PORTMANTEAUX, Etc.

No.	Plate	
86138	837	Guide (plain) ... ...
86139		Base ... ...
86140		Adjusting Guide ... ...
233d	2151	" " Screw ... ...
86141	837	Welting Guide, complete, Nos. 233d, 86139 and 86140 ...
86142	837	Presser Foot ... ...
86143	837	**Welting Attachment,** complete, Nos. 86138, 86141 and 86142

WELTING ATTACHMENT FOR CARRIAGE CUSHIONS

No.	Plate	
85495		Base and Folder ... ...
85496		Top Guide ... ...
50053d	2151	" " Thumb Screw ... ...
85497	836	Welter only, complete, Nos. 50053d, 85495 and 85496 ...
86144	836	Presser Foot (grooved for cord) ... ...
86145	836	**Welting Attachment,** complete, Nos. 85497 and 86144 ...

WELTING ATTACHMENT (ADJUSTABLE) FOR CARRIAGE CUSHIONS

No.	Plate	
86214	859	Welter Base Guide ... ...
86215	859	" Braid Guide with *SS26e* ... ...
207d	2151	" " " Screw ... ...
85325	2149	" " " " Washer ... ...
SS26e	2150	" " " Stud ... ...
NN44d	859	" " " " " Thumb Nut ... ...
86216	859	" Cord Guide ... ...
449c	2151	" " " Set Screw ... ...
86217	859	Welter only, complete, Nos. *NN44d*, 207d, 449c, 85325 and 86214 to 86216 ... ...
86144	836	Presser Foot (grooved for cord) ... ...
86285	859	**Welting Attachment,** complete, Nos. 86144 and 86217 ...

WELTING ATTACHMENT FOR LEATHER BAGS, PORTMANTEAUX, Etc.

No.	Plate	
86286	859	Welt Guide ... ...
86287	859	" " Base ... ...
703d	859	" " Thumb Screw ... ...
91547	859	Presser Foot ... ...
86288	859	**Welting Attachment,** complete, Nos. 86286, 86287, 91547 and two 703d ... ...

WELTING ATTACHMENT FOR HEAVY BOOTS

No.	Plate	
91552	860	Presser Foot ... ...
86135	860	Guide (plain) ... ...
86127	860	Welt Guide ... ...
86289	860	**Welting Attachment,** complete, Nos. 86127, 86135 and 91552

Bobbin Winders

BOBBIN WINDER (FRICTION) FOR FAST WHEEL MACHINES

No.	Plate	
82527	838	Bracket ... ...
SS56d	2150	" Screw ... ...
82528	838	Frame ... ...
32d	2151	" Hinge Screw ... ...
5960	1076	Friction Wheel (leather) ... ...
5961	1076	" " Washer ... ...
333r	2151	" " " Screw ... ...
91446	838	Spindle with 15072 ... ...
15072	2149	" Bobbin Position Pin ... ...
5963	1076	" Flange ... ...
91447	838	Frame, complete, Nos. 333r, 5960, 5961, 5963, 82528 and 91446
82537	838	Spring ... ...
161d	2151	" Screw ... ...
82538	838	" " Washer ... ...
91448		**Bobbin Winder,** complete, Nos. 32d, 161d, 82527, 82537, 82538 and 91447 ... ...

NOTE. No. 91448 is supplied with these machines unless otherwise specified on order.

BOBBIN WINDER (FRICTION) FOR MACHINE WITH DRIVING ATTACHMENT

This Bobbin Winder is the same as 91448 with the following exceptions:

No.	Plate	
91476	838	Bracket ... ...
91477		**Bobbin Winder,** complete, Nos. 32d, 161d, 82537, 82538, 91447 and 91476 ... ...

BOBBIN WINDER (SWINGING AUTOMATIC, RIGHT HAND) FOR 95093

No.	Plate	
27540	1487	Base ... ...
		" Screw (wood) 1" No. 7 R.H. ... ...
27302	1487	Frame ... ...
50356b	1487	" Hinge Screw ... ...
1620j	1487	" " " Nut ... ...
27303	1487	" Spring ... ...
27541	1487	Pulley ... ...
98673	1487	Spindle with 15072 ... ...
15072	2149	" Bobbin Position Pin ... ...

No.	Plate	
27306	1488	Spool Pin ... ...
27307	1488	" Stand ... ...
†27308	- -	" " 27307 with 118d, 1562j, 2106, 10141, 27306, two each 2455 and wood screws 1" No. 10 ... ...

†As No. 27308 can be supplied either Plated or Japanned, it is necessary, when ordering, to state which is required.

95197	1487	Stop Latch ... ...
35d	1487	" " Hinge Screw ... ...
2455	1488	Tension Disc ... ...
1562j	1488	" Regulating Thumb Nut ... ...
118d	1488	" Screw Stud ... ...
10141	1488	" Spring ... ...
2106	1488	Thread Guide ... ...
95198	1488	Bobbin Winder, Nos. 35d, 1620j, 27302, 27303, 27540, 27541, 50356b, 95197, 98673 and two wood screws 1" No. 7 R.H.
95199		**Bobbin Winder,** complete, Nos. 27308 and 95198 ... ...

Foot Lifter

No.	Plate	
91716	1063	Arm Lever ... ...
694d	2151	" " Hinge Screw ... ...
91457	755	Foot Lever with 176c ... ...
91459	755	" " Bracket ... ...
17881	755	" " " Hinge Pin ... ...
		" " " Screw (wood), 1" No. 12 ... ...
91458	755	" " Extension ... ...
176c	2151	" " " Set Screw ... ...
98626	755	" " Spring ... ...
91454		Foot Lever only, complete, Nos. 17881, 91457 to 91459, 98626 and two wood screws 1" No. 12 ... ...
17877	755	Foot Lever Pitman Rod (lower) ... ...
17878	755	" " " " (upper) ... ...
17879	755	" " " " Clamp with two 161d ... ...
161d	2151	" " " " " Screw ... ...
17880	755	Foot Lever Pitman Rod, complete, Nos. 17877 to 17879 ...
91453	755	" " " Connecting Hook (7" long) ... ...
91455		Foot Lever, complete, Nos. 17880 and 91454 ... ...
91456	-	**Foot Lifter,** complete, Nos. 694d, 91453, 91455 and 91716 ...

Driving Attachment

No.	Plate	
91473	861	Balance Wheel with 434c, 451c, 91475 and four 402c ...
91474	861	" " Friction Pulley (two-speed) with 448c and 91294
91294	861	" " " " Centre Bearing ... ...
91475	861	" " " " Ring (cardboard) ... ...
402c	2151	" " " " " Screw ... ...
448c	2151	" " " " Set Screw ... ...
434c	2151	" " Set Screw (long) ... ...
451c	2151	" " " " (short) ... ...
91301	861	Lever, with 7958 and 91306 ... ...
91302	861	" Bracket ... ...
SS38c	2150	" " Screw ... ...
91303	861	" Centre Plug (wood) ... ...
427c	2151	" " " Adjusting Screw ... ...
1508c	2152	" " " " " Nut ... ...
91306	2149	" Friction Pad (leather) ... ...
693d	2151	" Hinge Screw ... ...
NX28c	861	" " " Nut ... ...
91307	861	" Spring ... ...
161d	2151	" " Screw ... ...
7958	2149	" " " Pin ... ...
91309		Lever, complete, Nos. NX28c, 161d, 427c, 693d, 1508c, 91301 to 91303, 91307 and two SS38c ... ...
84275		Shaft Pulley (sectional, grooved), 10" diam., with two 597c ...
597c	2151	" " Clamping Screw ... ...
91296	755	Starting Lever ... ...
91297	755	" " Bracket ... ...
91298	2149	" " " Hinge Pin ... ...
		" " " Screw (wood) 1¼" No. 15 ... ...
91299	755	Starting Lever, Nos. 91296 to 91298 and three wood screws 1¼" No. 15 ... ...
17877	755	Starting Lever Pitman Rod (lower) ... ...
17878	755	" " " " (upper) ... ...
17879	755	" " " " Clamp with two 161d ... ...
161d	2151	" " " " " Screw ... ...
17880	755	Starting Lever Pitman Rod, complete, Nos. 17877 to 17879 ...
91460		Starting Lever and Pitman, complete, Nos. 17880 and 91299 ...
91478		**Driving Attachment,** complete, Nos. 84275, 91309, 91460, 91473 and 91474 ... ...

Obsolete Parts

FOR

No. 45K56 Machine

No.	Plate	
91408	847	Arm Shaft ... ...
82399	847	" " Bushing (front) ...
91317	847	Crank Connecting Rod with 91005, 91872 and two 158c ...
*91005	-	" " " Cap ... ...
*SS*313c	2150	" " " Hinge Screw ... ...
*SS*45d	2150	" " " " " Set Screw ... ...
91577	851	Lifting Presser Plunger ... ...
91579		Lifting Presser Plunger, complete, Nos. *K*451, *SS*323f and 91577
91440	849	Oscillating Rock Shaft with 91025, 94972 and two 91026 ...
98617	1699	" " " " 91025, 94972 and two 91026 ...
98630	1741	" " " " 91025, 94972 and two 91026 ...
91025	1070	" " " Steel Plate (bottom) ... ...
94972	2149	" " " " " (top) ... ...
91026	1070	" " " " " Rivet ... ...
91584	851	Presser Bar Gripping Bracket ... ...
91585	851	" " " " Grip Collar ... ...
91586	851	" " " " " Lever ... ...
91692		" " " " 91584 with 575c, 1520f 91586 and 91587
91588	851	" " " " Grip Retaining Spring ...
91592	850	" " Lifting Bracket Tension Release ... ...
91593	- -	" " " " 91591 with 91592 and two 190f ...
82430	851	" " Spring ... ...
91041	2147	Shuttle Cylinder ... ...
91044	2147	" Frame ... ...
91045	2147	" Tension Spring ... ...
*SS*46f	2150	" " " Adjusting Screw ... ...
95080	2147	" Cylinder ... ...
95081	2147	" " Latch Spring ... ...
233f	2151	" " " " Screw ... ...
95085	2147	" Frame ... ...
95083	2147	" Tension Spring ... ...
95187	2147	" Frame ... ...
95097	2147	**Shuttle** (Cylinder) 2½" diam., complete, Nos. 233f, *SS*377f, 91042, 91043, 95093 to 95095 and 95187 ... ...

No.	Plate	
91173		Shuttle Driver and Feed Raising Cam ... ...
91598	2147	" " " " " " ... ...

NOTE. Obsolete Shuttle, Shuttle parts and Shuttle Drivers are not interchangeable with the new style parts, and No. 95097 must be used in conjunction with No. 91598.

82543	851	Thread Controlling Lever ... ...
91599	—	Thread Take-up Cam with *SS*320c and 1065c ... ...
91600	847	" " " 91599 with 91594 and two 704c ...