

Singer 44-10

Form 18900, Revised
(1037)
Printed in U. S. A.

LIST OF PARTS



MACHINE No. 44-10

** A TRADE-MARK OF

THE SINGER MANUFACTURING COMPANY

INSTRUCTIONS FOR OILING

To ensure easy running and prevent unnecessary wear of the parts which are in movable contact, the machine requires oiling and when in continuous use, "TYPE B" or "TYPE D" OIL, sold only by Singer Sewing Machine Company, should be applied at least twice each day to all oil holes marked "OIL".

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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, Nickel Plated and Buffed
- B-Polished, Nickel Plated and Buffed
- C-Hardened Only
- D-Polished Only
- E-Soft, Not Polished
- F-Hardened and Polished
- F.J-Hardened, Polished and Nickel Plated
- G-Bright Rumbled and Nickel Plated
- H-Blued
- J-Nickel Plated Only
- K-Hardened and Nickel Plated
- L-Brass Plated
- M-Oxidized
- N-Japanned, Dull
- P-Japanned, Bright
- R-Merlized
- S-Cadmium Plating
- T-Copper 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
- U-Zinc Plated
- V-Silver Plated
- W-Polished and Nickel Plated
- X-Black Oxide, for Iron and Steel
- X.C-Hardened and Black Oxide, for Iron or Steel
- Y-Black Nickel Plated Only
- Z-Chromium Plated
- 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.J-Nickel and Chromium Plated

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

In this series:

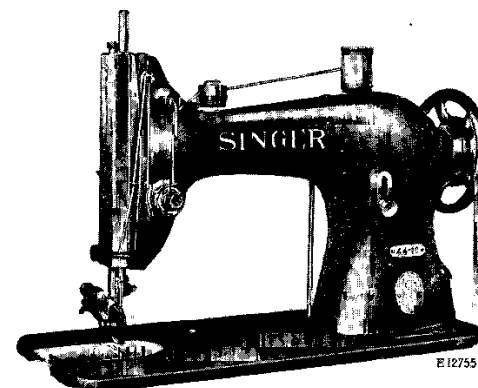
- 1 to 1500, 50001 to 51500 and 140001 to 142000 are Screw Numbers
- 1501 to 1800 and 51501 to 51800 are Nut Numbers
- 1801 to 2000 and 51801 to 52000 are Roller Numbers
- 2001 to 50000 and 52001 to 140000 and 140001 to 190000 are Sewing Machine Parts, 190001 and upward are numbers of Electrical Parts.

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. 44-10

FOR LEATHER. DROP FEED. ROLLER PRESSER.

No.	Plate	Name
*62603	----	Arm with 11104, 15404 and two 15405.....
8582	8387	" Dowel Pin.....
12453	8387	" Oil Tube, for oiling intermediate bearing.....
15783	8387	Arm Oil Tube, for 11119.....
11119	8387	" " " 15783 with 52045, for oiling 12408.....
12454	8387	Arm Oil Tube with 132590, for oiling 12409.....
24131	8387	Arm Oil Tube with 52045, for oiling 12197
132590	8387	" " " Packing (wick) for 12454...
52045	8387	" " " " " 11119 and 24131.....
748E	8387	Arm Screw (back).....
868E	8387	" " (front).....
16511	8388	" Shaft.....
*62545	----	" 16511 with 12197 and 20188....

PARTS FOR MACHINE No. 44-10

No.	Plate	Name
*62636	----	Arm Shaft 62545 with 20197.....
*11104	----	" " Bushing (front).....
12357	8388	" " Flanged Bushing (back).....
448C	8387	" " " " " Set Screw
144D	8387	" " " " " Screw.....
12480	8388	" " Side Cap.....
219J	8387	" " " " " Screw.....
12193	8388	" " " " " Cover.....
51224D	8387	" " " " " Thumb Screw.....
52239	22479	" " Spool Pin and Thread Eyelet.....
11241	8388	" " " " " Washer (cloth).....
24296	8388	Balance Wheel (power) light rim, 2-3/16 in. pulley, with two 448C.....
24297	8388	Balance Wheel Oil Cover.....
210J	8387	" " " " " Screw.....
448C	8387	" " " " " Set Screw.....
*16503	----	Bed.....
20197	8388	Crank Connecting Rod with two 896C.....
896C	8387	" " " " " Cap Screw.....
908C	8387	" " " " " Hinge Screw.....
1619E	8387	" " " " " Nut.....
12366	----	Face Plate.....
*44181	----	" " Thread Guard (lower).....
12150	8387	" " " " " 44181 with 12152.....
12152	8387	Face Plate Thread Guard (lower) Rivet....
45720	22479	" " " " " (upper) with 125373.....
125373	22479	Face Plate Thread Guard (upper) Rivet....
12367	8389	Face Plate complete, Nos. 12150, 12366 and 45720.....
190J	8387	Face Plate Screw.....
51224D	8387	" " " " " Thumb Screw.....
12368	8389	Feed Bar.....
313C	8387	" " " " " Screw Center.....
56813	----	" " " " " 313C with 1519J....
1519J	8387	" " " " " Nut.....
12197	8389	" " " " " Cam and Feed Lifting Eccentric with 446C.....
446C	8387	Feed Cam and Feed Lifting Eccentric Set Screw.....
52165	22479	Feed Connecting Link.....
375C	8390	" " " " " Hinge Screw.....
1518E	8390	" " " " " Nut.....
12436	8391	" " " " " Dog, 11 teeth (18 teeth to the inch) for 12438, 12452 and 20192.....

Note: No. 12436 is sent with this Machine unless
another Feed Dog is specified on order.

20323 8391 Feed Dog, 8 teeth (12 teeth to the inch)
for 12438, 12452 and 20192.....

PARTS FOR MACHINE No. 44-10

No.	Plate	Name
20011	8391	Feed Dog, 11 teeth (18 teeth to the inch) for 20012 and 20293.....
62890	8391	Feed Dog (spiked teeth) for 12438, 12452 and 20192.....
208C	8391	Feed Dog Screw.....
12123	8389	" " Forked Connection.....
375C	8390	" " " " " Hinge Screw.....
1518J	8390	" " " " " Nut.....
43994	----	Feed Forked Connection complete, Nos. 12123, 52165, 56886 and two each 375C and 1518J.....
16504	8392	Feed Lifting Rock Shaft.....
16556	8390	" " " " " Crank (back) with 462C.....
3093	8390	Feed Lifting Rock Shaft Crank (back) Pin.
462C	8390	" " " " " " " " Set Screw.....
12376	8390	Feed Lifting Rock Shaft Crank (front) with 157J and 1813.....
157J	8390	Feed Lifting Rock Shaft Crank (front) Clamping Screw.....
1813	8390	Feed Lifting Rock Shaft Crank (front) Roller and Stud.....
16588	----	Feed Lifting Rock Shaft complete, Nos. 3093, 12376, 16504 and 16556.....
43976	8389	Feed Lifting Rock Shaft Crank Connecting Rod with two 966E.....
966E	8390	Feed Lifting Rock Shaft Crank Connecting Rod Cap Screw.....
375C	8390	Feed Lifting Rock Shaft Crank Connecting Rod Hinge Screw.....
1518E	8390	Feed Lifting Rock Shaft Crank Connecting Rod Hinge Screw Nut.....
307C	8390	Feed Lifting Rock Shaft Screw Center.....
56814	----	" " " " " " " " 307C with 1513J.....
1513J	8390	Feed Lifting Rock Shaft Screw Center Nut.
3039	8389	" " " " " Regulator.....
56886	----	" " " " " 3039 with 818D.....
1128E	8390	" " " " " Hinge Screw.....
818D	8390	" " " " " Thumb Screw.....
16506	8392	" " " " " Rock Shaft.....
29633	8390	" " " " " Crank with 157J.....
157J	8390	" " " " " Clamping Screw.....
24376	----	Feed Rock Shaft complete, Nos. 16506 and 29633.....
307C	8390	Feed Rock Shaft Screw Center.....
56814	----	" " " " " " " " 307C with 1513J
1513J	8390	" " " " " " " " Nut.....
12448	8392	Needle Bar (hollow).....

No.	Plate	Name
19229	8392	Needle Bar (hollow) for high lift.....
*12382	8389	" " " Connecting Link with 794E.....
43997	----	" " " " 12382 with 12384
794E	8390	" " " " Adjusting Screw.
*12383	----	" " " " Stud.....
1904	8390	" " " " Roller (roller only).....
453C	8390	Needle Bar Connecting Stud Set Screw.....
12384	8389	Needle Bar Connecting Stud complete, Nos. 453C, 1904 and 12383.....
20188	8389	Needle Bar Crank with 858C with 1065C....
1065C	8390	" " " " Position Screw.....
858C	8390	" " " " Set Screw.....
936E	8390	" " " " Screw Bushing.....
2166	8390	" " " " Thread Guard.....
233J	8394	" " " " Screw.....
2167	8394	" " " " Clamp with 196F.....
196F	8394	" " " " Screw.....
44222	8393	Oil Cup.....
44223	8393	" " " 44222 with 44005.....
44214	----	" " " " Extension.....
44005	8393	" " " " 44214 with 24075.....
24075	8393	" " " " Post.....
44006	8393	" " " " Packing (felt).....
44224	8393	" " " " Thread Retainer.....
44225	8393	Oil Cup complete, Nos. 44006, 44223 and 44224.....
*24104	8389	Oscillating Rock Shaft.....
12388	8389	" " " " Hinge Pin.....
448C	8387	" " " " " Set Screw
4784	8393	" " " " Oil Pad (felt)....
24105	----	Oscillating Rock Shaft complete, Nos. 4784 12388 and 24104.....
139602	----	Oscillating Rock Shaft 24105 with 908C...
16509	8392	" " " " Shaft.....
19496	----	" " " " Crank for 19447.....
44134	----	" " " " " 44135.....
2049	8396	" " " " Pin.....
457C	8394	" " " " Set Screw for 19447
453C	8390	" " " " " " 44135
19448	8394	" " " " Slide Block.....
226J	8394	" " " " " Cap Screw
12424	8394	" " " " " " Washer.....
988C	8394	Oscillating Shaft Crank Slide Block Screw Stud.....
1518E	8390	Oscillating Shaft Crank Slide Block Screw Stud Nut.....
19449	8394	Oscillating Shaft Crank Slide Block complete, Nos. 226J, 988C, 12424 and 19448

No.	Plate	Name
19447	8394	Oscillating Shaft Crank complete, Nos. 457C, 1518E, 19449 and 19496.....
44135	8394	Oscillating Shaft Crank complete, Nos. 1518E, 19449, 44134 and two 453C.....
19441	8392	Presser Bar (hollow).....
19464	----	Presser Bar complete, Nos. 190J, 19441 to 19443 and 24445.....
12326	8393	Presser Bar Guide Bracket with 453C.....
453C	8390	" " " " Set Screw.....
52016	8395	" " " " Lifter.....
689C	8395	" " " " Hinge Screw.....
1520J	8394	" " " " " Nut.....
12327	8394	" " " " Lifting and Releasing Lever Bracket.....
11167	8392	Presser Bar Spring (light) .051" wire....
Note: No. 11167 is sent with this Machine unless another Spring is specified on order.		
12139	8392	Presser Bar Spring (medium) .055" wire...
20023	8392	" " " " (heavy) .063" wire...
11170	8395	" " " " Washer.....
19165	8395	" " " " Foot.....
Note: No. 19165 is sent with this Machine unless another Presser Foot is specified on order.		
20114	8395	Presser Foot.....
20271	8395	" " " " for beading or top stitching
20272	8395	" " " " shoe tips and gores....
20273	8395	" " " " inside stays, for 3/64 in. to 1/4 in. gauge.....
20274	8395	Presser Foot for outside stays.....
190J	8387	" " " " Screw.....
688J	8396	Pressure Regulating Thumb Screw.....
1841	----	Roller, 7/8 in. diam., 9/64 in. face, fine with 652D and 1528J.....
62677	8395	Roller Arm for 62722.....
19442	8395	" " " " Bracket.....
19443	8395	" " " " Position Collar with 456C.....
456C	8395	Roller Arm Bracket Position Collar Set Screw.....
987E	8395	Roller Arm Bracket Screw Stud.....
19444	8395	" " " " Spring.....
19445	8395	" " " " Pin.....
19446	8395	" " " " Stud.....
24445	----	Roller Arm Bracket Spring Stud complete, Nos. 987E and 19444 to 19446.....
62722	8402	Roller Presser complete, 7/8 in. diam., 9/64 in. face, fine roller, Nos. 1841 and 62677.....
Note: No. 62722 is sent with this Machine unless another Roller Presser is specified on order.		

No.	Plate	Name
190J	8387	Roller Presser Screw.....
652D	8403	" " Screw for 1841.....
1528J	8396	" " Nut for 1841.....
2996	8396	Shuttle Bobbin.....
*62739	----	" " Case.....
15140	8396	" " " Latch.....
2973	8396	" " " " Lever.....
2974	8396	" " " " Fulcrum Pin
2975	8396	" " " " Spring.....
592E	8396	" " " " Stop Screw.....
15141	8396	" " " " Hinge, Nos. 2973, 2974 and 15140.....
*7553	8396	Shuttle Bobbin Case Position Finger.....
2523	8396	" " " " Rivet
24412	8396	" " " " Plate.....
391J	8402	" " " " Screw.
62740	8396	Shuttle Bobbin Case complete, Nos. 591F, 592E, 2523, 2975, 7553, 15141, 15278 and 62739.....
12393	8396	Shuttle Body.....
591F	8403	" " Tension Regulating Screw.....
15278	8396	" " Spring.....
19292	8397	" " 1-11/16 in. diam., Nos. 2996, 12393 and 62740.....
*12394	----	Shuttle Driver.....
12444	8397	" " 12394 with two 1266C.....
2049	8396	" " Pin.....
1266C	8403	" " Set Screw.....
2531	8398	" " Race Back.....
2532	8396	" " " Position Pin.....
2533	8396	" " " Spring.....
907D	8397	" " " Screw.....
62902	----	" " Body.....
62907	----	" " " 62902 with 24418 and two 1053J.....
62908	22479	Shuttle Race Body 62907 with two 2532....
62909	----	" " " 62908 with two 391J....
24418	----	" " Cap.....
1053J	8397	" " " Screw.....
62906	22479	Shuttle Race complete, Nos. 907D, 2531, 2533, 24412 and 62909.....
145D	8397	Shuttle Race Screw.....
12431	----	" " Slide.....
4307	8392	" " " Spring.....
725J	8398	" " " Screw.....
12432	8392	Shuttle Race Slide complete, Nos. 4307, 12431 and two 725J.....
2102	8398	Tension Disc.....
1560C	8398	" " Regulating Thumb Nut.....
32572	8398	" " Releasing Disc.....

No.	Plate	Name
43944	8398	Tension Releasing Lever.....
12398	8398	" " " Hinge Pin.....
12329	8398	" " " Spring.....
32574	8398	" " Pin.....
50327C	8398	" " Screw Stud.....
44141	----	" " " 50327C with 1560C.....
43945	8398	" " Spring.....
12149	8398	" " Thread Guard.....
44118	----	Tension complete, Nos. 7336, 32572, 32574 43945, 43946, 44141 and two 2102....
52454	8398	Thread Retainer.....
624C	8398	" " Set Screw.....
12404	8398	" " Take-up Crank.....
3094	8398	" " " Wedge.....
690E	8398	" " " " Screw.....
12408	8397	" " Lever.....
775E	8398	" " " Cap Screw.....
12166	8398	" " " Hinge Pin.....
12409	8397	" " " Link.....
11204	8397	" " " " Hinge Pin.....
435C	8398	" " " " " Set Screw.....
12410	----	Thread Take-up Lever complete, Nos. 12166 12408 and 12409.....
43946	8398	Thread Take-up Spring.....
7336	8397	" " " Regulator.....
448C	8387	" " " " Set Screw.
43990	----	Thread Take-up complete, Nos. 775E, 11204 12404, 12410 and 43997.....
12438	8391	Throat Plate, large oblong needle hole, for 12436, 20323 and 62890.....
Note: No. 12438 is sent with this Machine unless otherwise specified on order.		
20012	8391	Throat Plate, large oblong needle hole, for 20011.....
12452	8391	Throat Plate, small oblong needle hole, raised at needle hole for top stitching, for 12436, 20323 and 62890.....
20192	----	Throat Plate, small oblong needle hole, for 12436, 20323 and 62890.....
20293	----	Throat Plate, small oblong needle hole, for 20011.....
691F	8391	Throat Plate Screw.....
*15404	----	Trade Mark.....
15405	8398	" " Rivet.....
24079	8407	Drip Pan.....

ACCESSORIES

No.	Plate	Name
51075E	8399	Machine Hinge Bolt with 51581E.....
51581E	8394	" " " Nut.....
6055	8399	" " " Washer.....
12361	8399	" " Connection.....
44139	8399	" " Plate.....
44140	----	Machine Hinge complete, Nos. 12361, 44139 and wood screw 1-1/4 in. No. 14.....
44180	----	Machine Hinge complete, Nos. 6055, 12361, 44139 and 51075E.....
12405	8399	Machine Rest (felt).....
41400	8400	" " Pin (wood) 3-1/8 in. long...
120342	8400	Oiler (copper plated) with 120343.....
120343	8400	" Spout, 3-1/2 in. long.....
26026	8400	Screw Driver (machine).....
26485	8400	" " (shuttle tension).....
35018	8400	Tape Delivery Blade.....
8909	8400	Wrench for 1513, 1518 and 51581.....
4822	8400	" " 1521 and 1528.....
8908	8400	" " 1519 and 1520.....
19221	8400	" " 936 and 1619.....
22003	8400	" " 1550.....

MACHINE BASE

No.	Plate	Name
24106	8399	Bed Frame Cushion (felt).....
158E	8399	" " " Screw.....
24107	8399	" " Hinge Connection.....
9261	8399	" " " Pin.....
970D	8399	" " Thumb Screw.....
24108	8408	Bed Frame with 970D, two each 9261, 24107 four each 158E, 24106 and six wood screws 1-1/4 in. No. 12.....
24908	8407	Drip Pan with two wood screws 1/2 in. No. 5 R.H.B.....

BELT GUARD

No.	Plate	Name
41929	8408	Belt Guard.....
8418	8399	" " Button.....
3419	8399	" " " Washer (leather).....

BELT GUARD

No.	Plate	Name
8420	----	Belt Guard Button 8418 with 8419 and wood screw 1-1/4 in. No. 9 R.H.B.....
41930	8399	Belt Guard Hinge.....
41931	----	Belt Guard complete, Nos. 8420, 41929, two 41930 and four wood screws 3/4 in. No. 9.....

FINGER GUARD

No.	Plate	Name
120857	8397	Finger Guard.....
120858	8397	" " Holder with 50302J.....
50302J	8397	" " " Set Screw.....
236J	8397	" " Screw.....
120860	8397	Finger Guard complete, Nos. 120857, 120858 and two 236J.....

THREAD LUBRICATOR

No.	Plate	Name
62816	8393	Face Plate with 2827 and 12150.....
*44181	----	" " Thread Guard (lower).....
12150	8387	" " " " 44181 with 12152.....
12152	8387	Face Plate Thread Guard (lower) Rivet....
2827	8387	" " " " (upper) with 8505
8505	8387	" " " " Rivet....
62817	----	Face Plate with Thread Lubricator com- plete, Nos. 1529E, 50222J, 62816, 62828 and two 21202.....
*62818	----	Thread Lubricator Bracket.....
62819	8397	" " Oil Pad (felt).....
*62820	----	" " " " Holder.....
*62821	----	" " " " 62820 with 62823.....
62822	8393	Thread Lubricator Oil Pad Holder 62821 with 62819, 62824 and 62827.....
*62823	----	Thread Lubricator Oil Pad Holder Oil Tube
62824	8397	" " " " Retainer.....
*62830	----	" " " " Reservoir.....
17822	8397	" " " " Rivet....
8068	8397	" " " " Washer (inside).....
124371	8397	Thread Lubricator Oil Reservoir Rivet Washer (outside).....

THREAD LUBRICATOR

No.	Plate	Name
62827	----	Thread Lubricator Oil Wick (braided cotton).....
62828	----	Thread Lubricator complete, Nos. 8068, 17822, 62818, 62822, 62830 and 124371
62829	8393	Thread Lubricator 62828 with 1529E, 50222J and two 21202.....
50222J	8397	Thread Lubricator Screw.....
21202	8397	" " " Friction Washer..
1529E	8397	" " " Nut.....

SINGER Needles should be used
in SINGER Machines.
These Needles and their Containers
are marked with the
Company's Trade-Mark "SIMANCO.***" 1

Needles in Containers marked
"FOR SINGER MACHINES"
are NOT **SINGER** made needles. 2

PLAIN ROLLER PRESSERS

Diameter of Roller	9/16"	9/16"	7/8"	7/8"	1 1/4"	1 1/4"	1 1/4"
Face of Roller	3/32"	3/32"	9/64"	3/16"	9/64"	9/64"	3/16"
Knurl of Roller	coarse	fine	coarse	coarse	coarse	fine	coarse
Roller	51801	51802	1868	1895	1911	1912	1897
Roller Arm	24903	24903	62877	62877	16573	16573	24990
Roller Screw	388D	388D	652D	652D	386D	386D	386D
Roller Screw Nut	1550H	1550H	1528J	1528J	1528J	1528J	1528J
Roller Presser complete	24904	24905	62721	62680	16581	16582	62627

BALL BEARING ROLLER PRESSERS

Diameter of Roller	7/8"	1 1/4"
Face of Roller	9/64"	7/32"
Knurl of Roller	coarse	coarse
Roller complete	51902	51863
Roller Arm	62857	62747
Roller Ball	206417	16232
Roller Ball Retaining Nut	201699	17660
Roller Screw	350104C	50553C
Roller Nut	1528J	1528J
Roller Presser complete	62868	62748

BALL BEARING ROLLER PRESSERS WITH RATCHET BRAKE

Diameter of Roller	7/8"	7/8"	7/8"	7/8"	7/8"	1 1/4"	1 1/4"
Face of Roller	9/64"	3/32"	1/8"	1/8"	9/64"	7/32"	1/8"
Knurl of Roller	coarse	fine	coarse	fine	fine	coarse	coarse
Roller complete	51890	51912	51909	51907	51882	51894	51892
Roller Arm	62840	62840	62840	62840	62840	44274	62843
Roller Ball	206417	206417	206417	206417	206417	16232	16232
Roller Ball Retaining Nut	201699C	201699C	201699C	201699C	201699C	1766C	1766C
Roller Ratchet Spring Stop	62850	62850	62850	62850	62850	62853	62853
Roller Ratchet Spring Stop Bracket	62851	62851	62877	62851	62851	62851	62851
Roller Ratchet Spring Stop Bracket complete	62852	62852	62878	62852	62852	62854	62854
Roller Ratchet Spring Stop Bracket Screw	230F	230F	230F	230F	230F	230F	230F
Roller Ratchet Spring Stop Screw	665J	665J	665J	665J	665J	665J	665J
Roller Screw	350104C	350104C	350104C	350104C	350104C	50553C	50553C
Roller Screw Nut	1528J	1528J	1528J	1528J	1528J	1528J	1528J
Roller Presser complete	44276	62880	62891	62871	62842	44279	62849

SINGER Needles should be used
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Needles in Containers marked
"FOR SINGER MACHINES"
are NOT **SINGER** made needles. 2

PLATE 8390—FULL SIZE



PLATE 8388—ONE-HALF SIZE

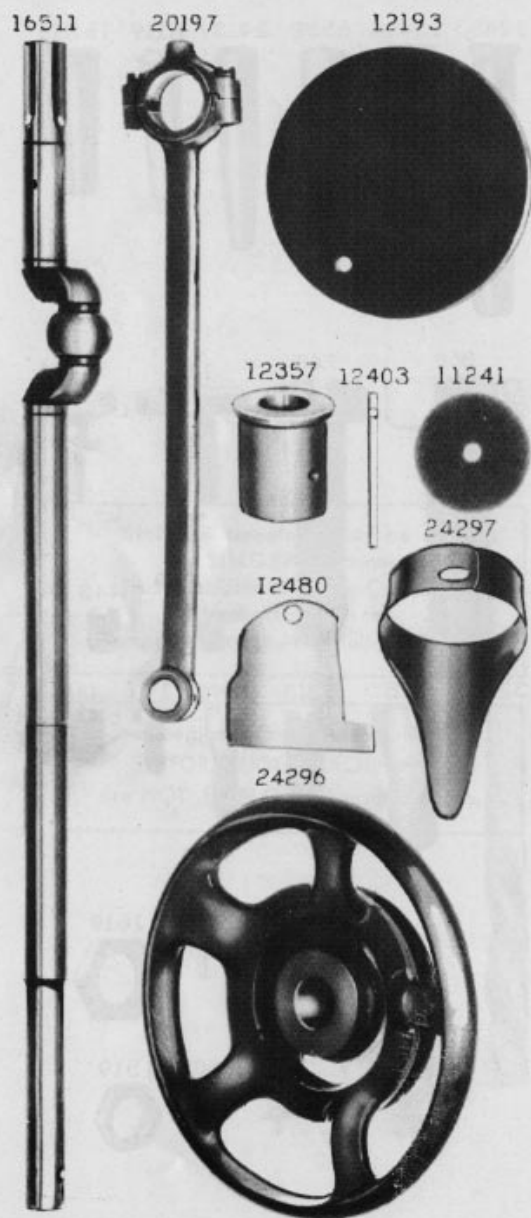


PLATE 8389—ONE-HALF SIZE

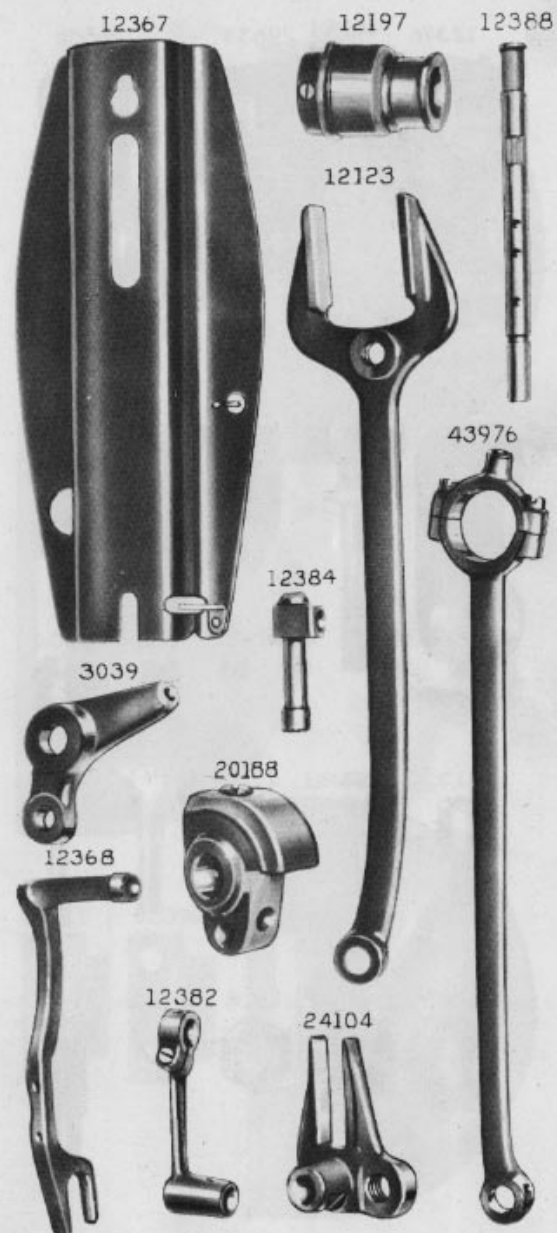


PLATE 8390—FULL SIZE

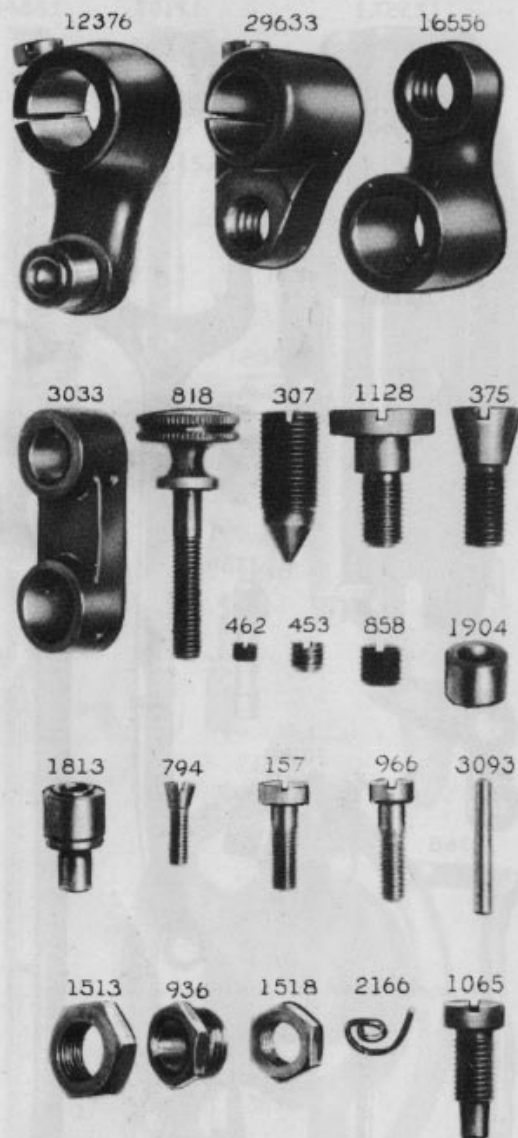


PLATE 8391—FULL SIZE

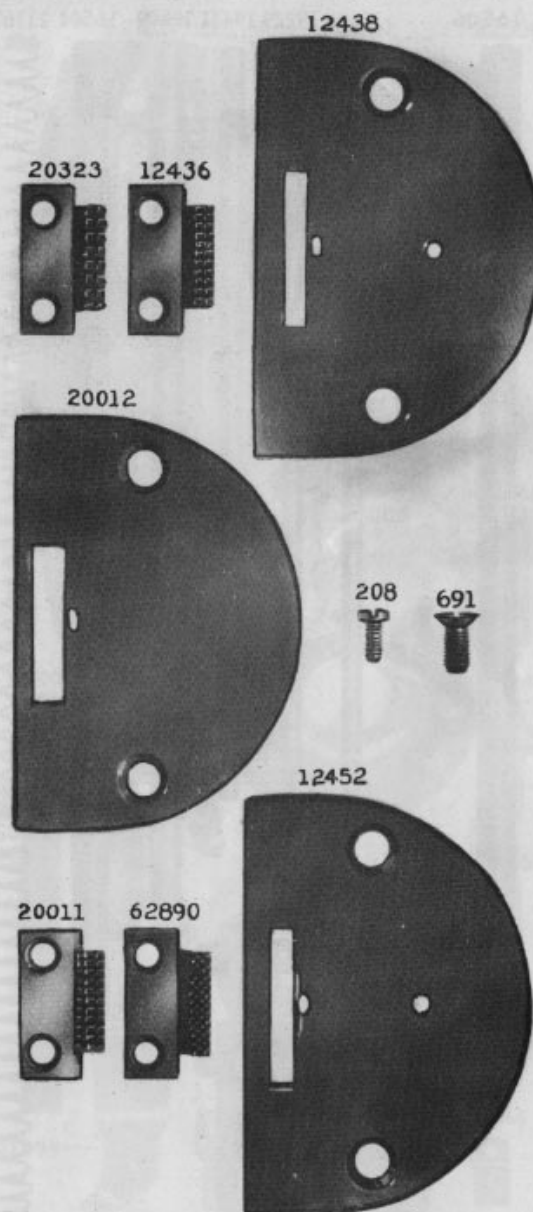


PLATE 8392—ONE-HALF SIZE

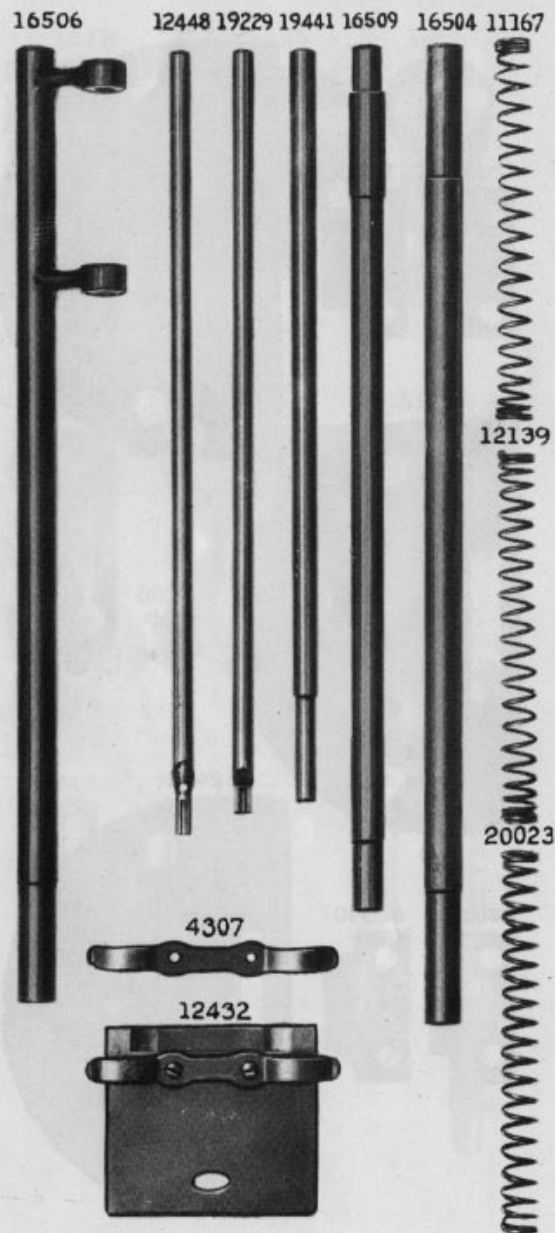


PLATE 8393—ONE-HALF SIZE

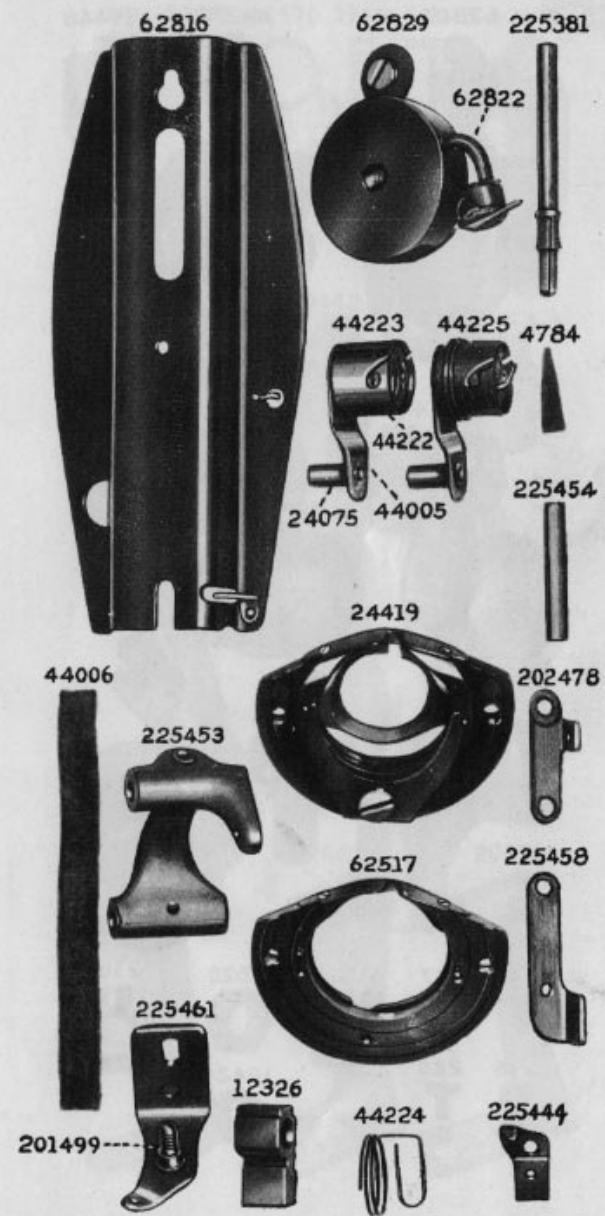


PLATE 8394—FULL SIZE



PLATE 8395—FULL SIZE

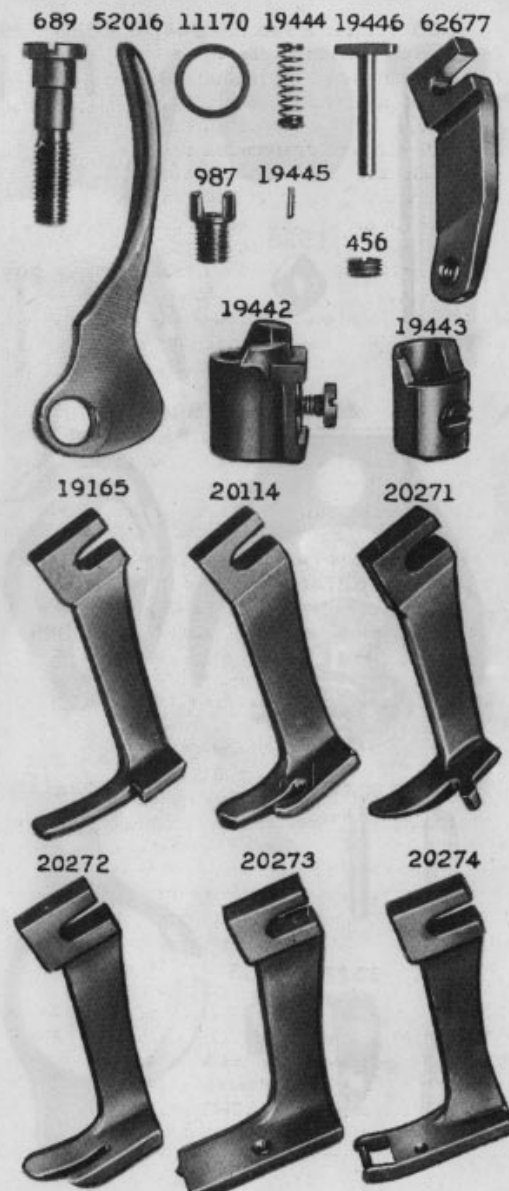


PLATE 8396—FULL SIZE

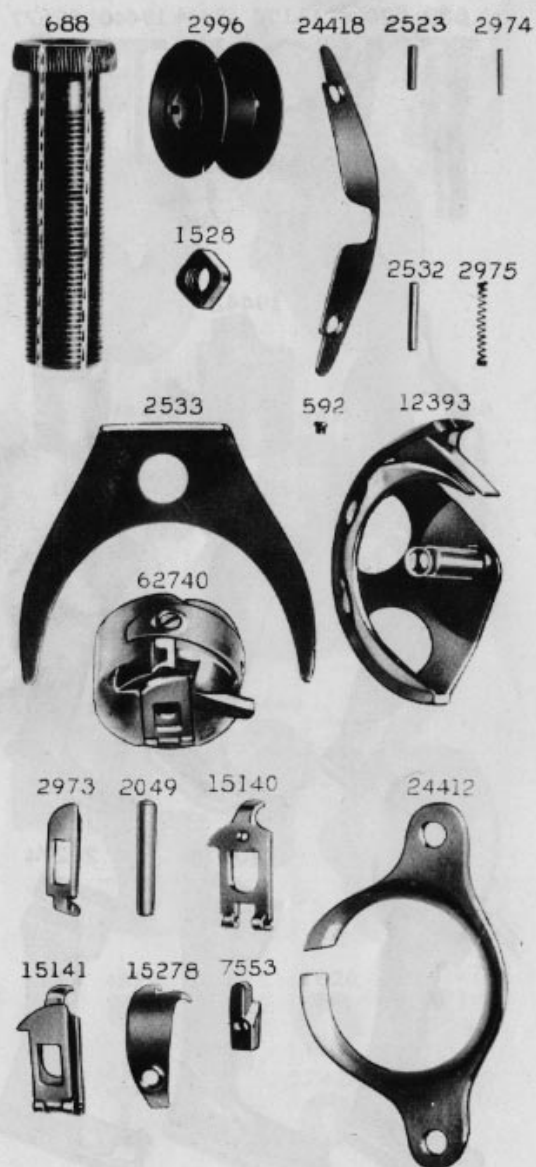


PLATE 8397—FULL SIZE



PLATE 8398—FULL SIZE

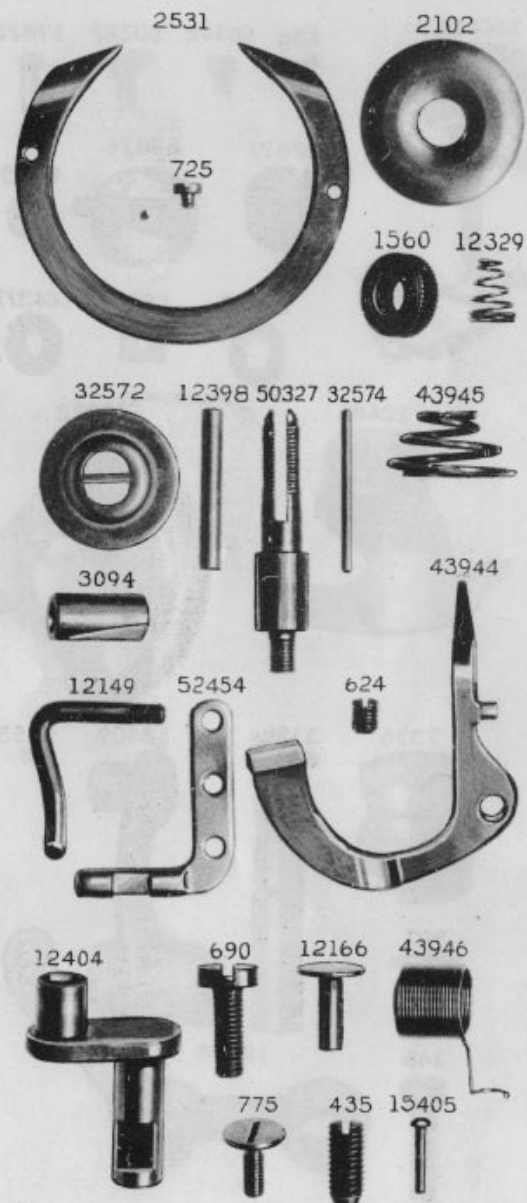


PLATE 8399—FULL SIZE

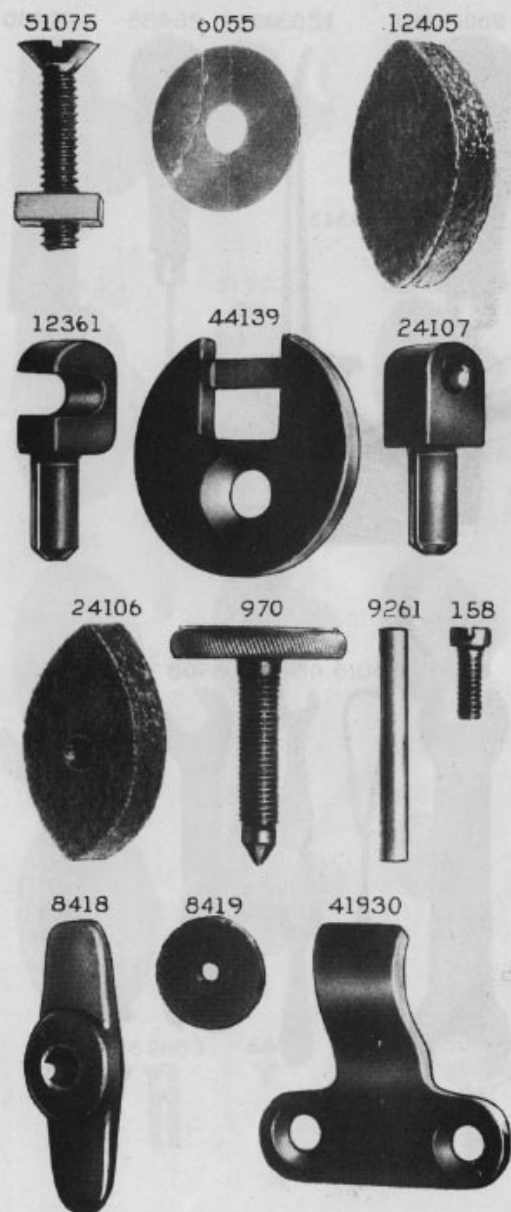


PLATE 8400—ONE-HALF SIZE

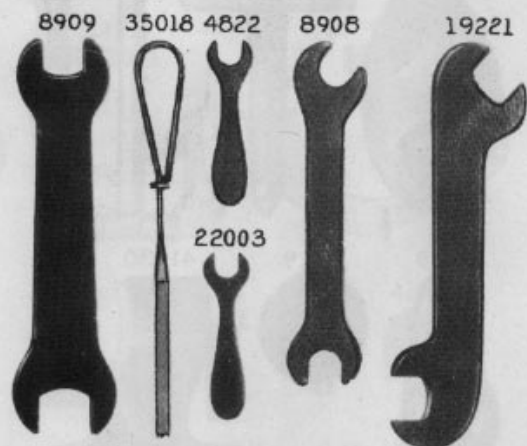
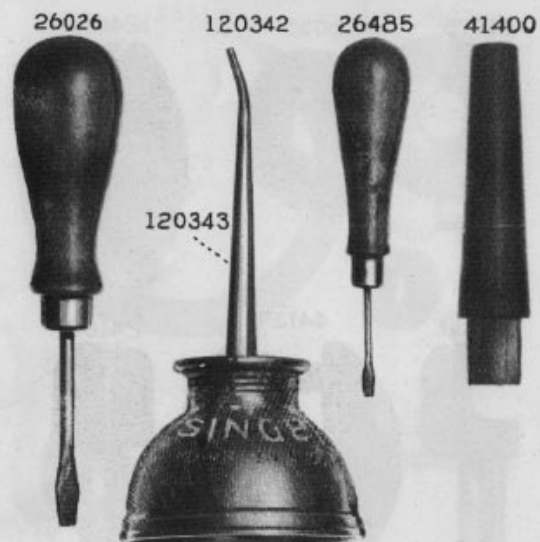


PLATE 8401—FULL SIZE



PLATE 8402—FULL SIZE



PLATE 8403—FULL SIZE

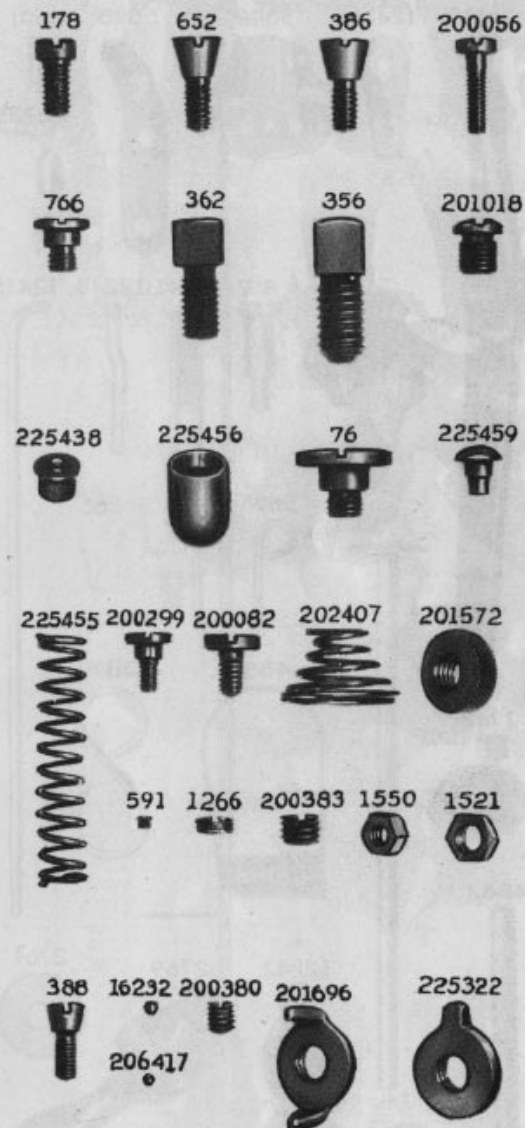


PLATE 8404—ONE-HALF SIZE

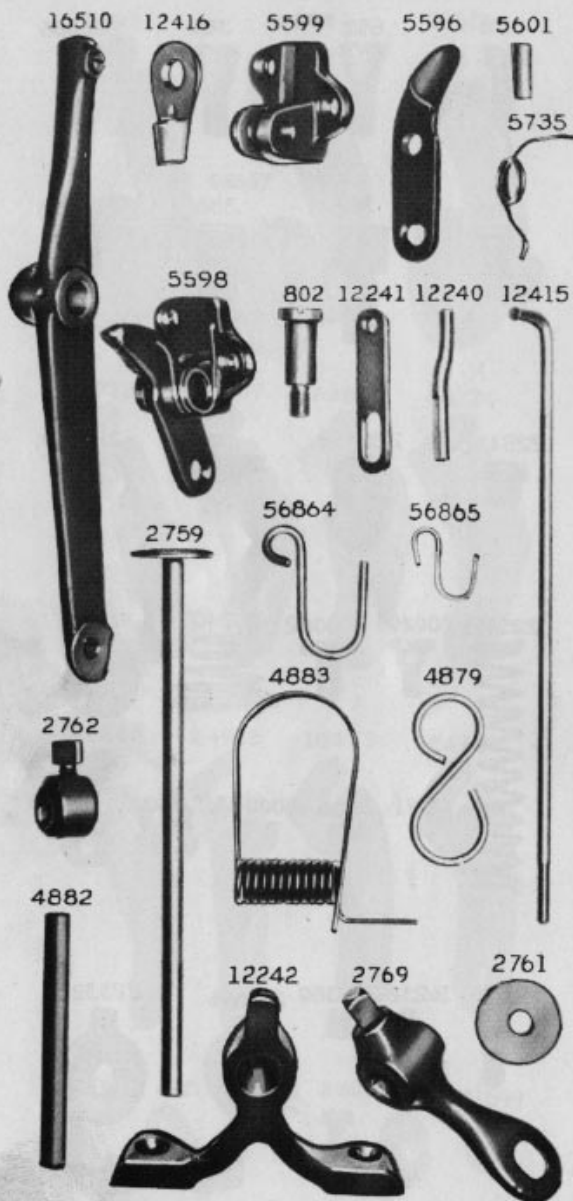


PLATE 8405—ONE-FOURTH SIZE

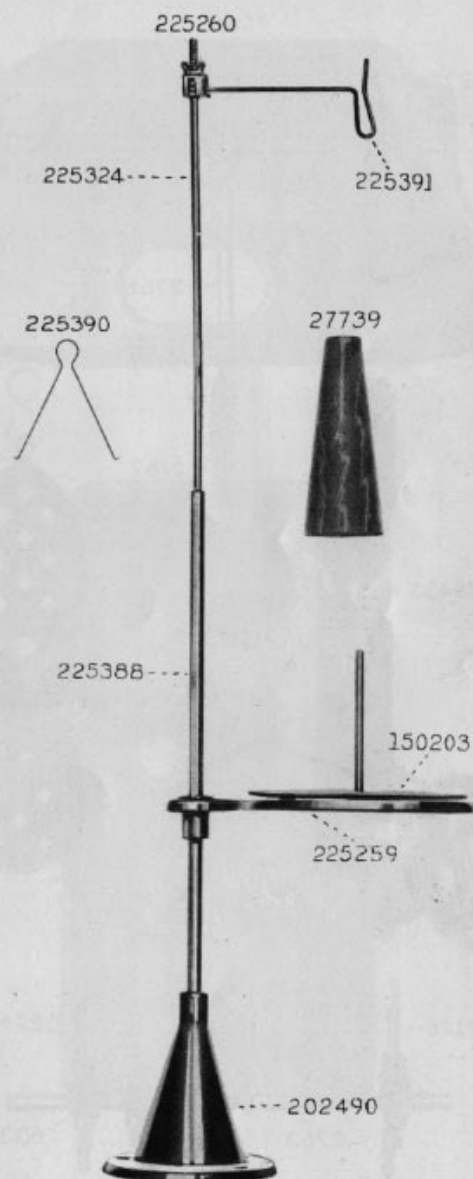


PLATE 8406—ONE-FOURTH SIZE

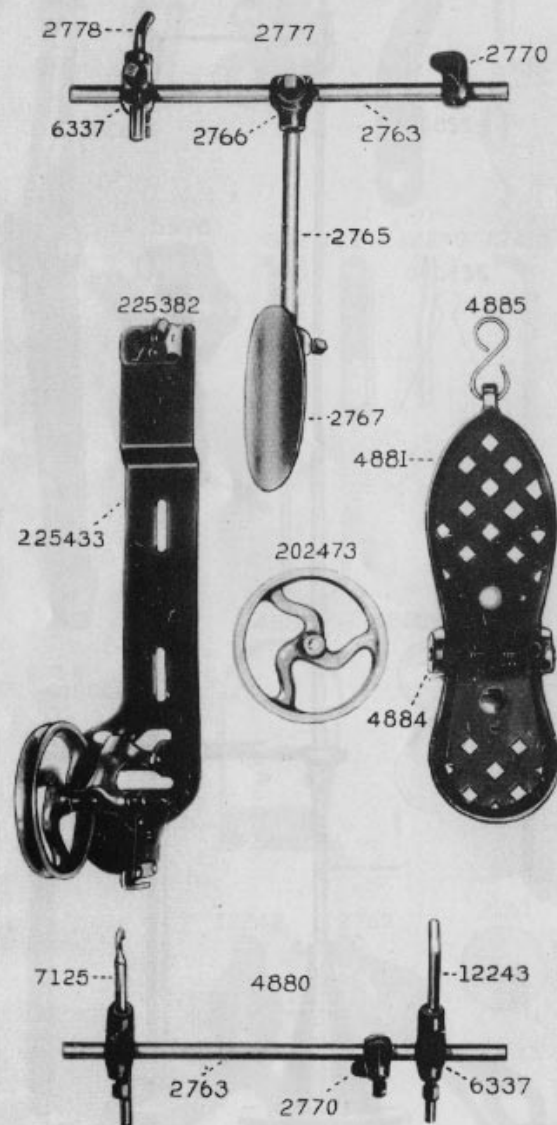


PLATE 8407—ONE-FOURTH SIZE

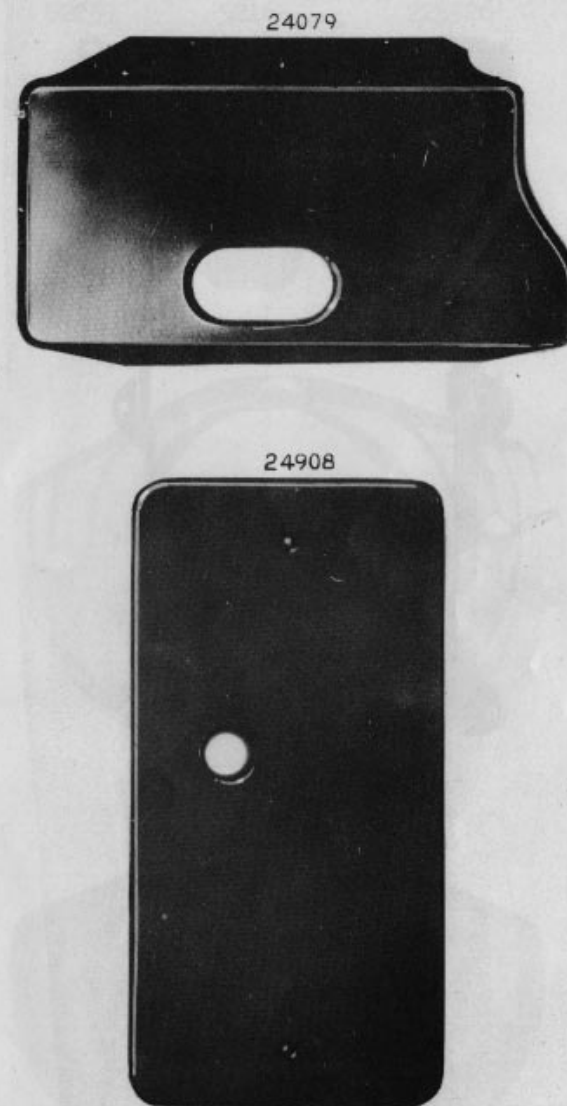
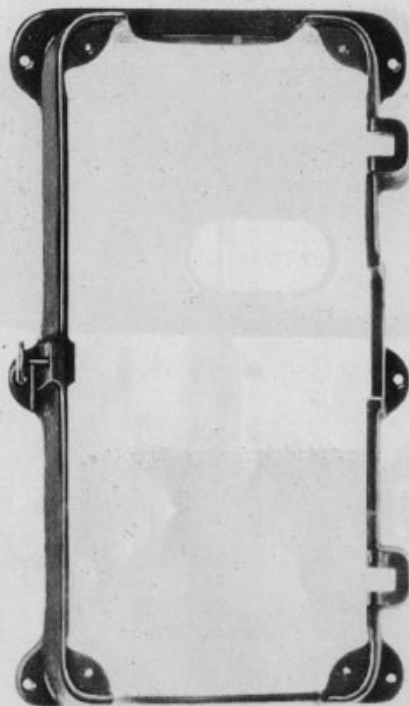


PLATE 8408—ONE-FOURTH SIZE

24108



41929

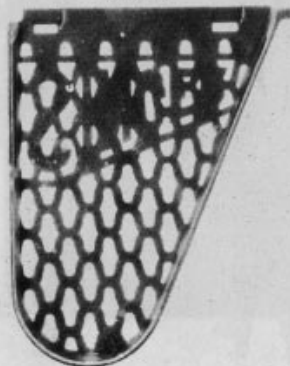


PLATE 22479 - FULL SIZE

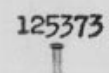
52239



52165



225326



62908



62906

