

Form 19808

(1141)

Printed in U. S. A.

LIST OF PARTS



MACHINE No. 231-25

THE SINGER MANUFACTURING COMPANY

From the library of: Superior Sewing Machine & Supply LLC

INSTRUCTIONS FOR OILING

Lift out the arm reservoir gauge and fill the oil reservoir to the level mark on the gauge. Run the machine a few minutes, then check the oil level and, if necessary, fill to the mark on the gauge.

Remove the screw plug on the balance wheel and fill the reservoir practically to the top. THIS OIL LEVEL SHOULD NEVER BE ALLOWED TO GO BELOW THE HOLE AT THE CENTER OF THE ARM SHAFT.

Apply about 5 drops of oil to each of the three oil cups for the ball bearings and to the oil cup on the idler pulley beneath the balance wheel.

Place a drop of oil once a day in the oil hole directly above the nipper.

When the machine is first started, put a few drops of oil in the top of the needle bar guide pin over the needle bar.

Thereafter, when the machine is in continuous use, replenish the oil supply about twice a week.

Use only "Singer Stainless Oil for High Speed Sewing Machines".

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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
- A.A-Buffed and Chromium Plated
- A.B-Hardened, Polished, Buffed and Chromium Plated
- A.C-Brown Baking Enamel Finish
- A.D-Gray Baking Enamel Finish
- 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
- A.J-Polished, Nickel Plated and Chromium Plated
- A.K-Hardened, Polished, Nickel Plated and Chromium Plated
- A.L-Heat Treated for Toughness
- B-Polished, Nickel Plated and Buffed
- C-Hardened Only
- C.R-Hardened and Merlized
- 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
- P.P-Wrinkle Finish
- R-Merlized
- S-Cadmium Plated
- 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

INSTRUCTIONS FOR ORDERING - Continued

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.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

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 142001 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.

When ordering parts which differ as to Gauge (the distance
between seams) the Gauge, as well as the Number must be given
on order.

**Genuine 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**

LIST OF PARTS COMPLETE FOR



MACHINE No. 231-25

For Light and Medium Weight Fabrics. SMALLER CYLINDER BED for lap seam felling boys' shirts and work of a similar nature. Two needles, two loopers. Needles set in reverse position (right hand needle nearest operator). Gauges from $\frac{3}{32}$ inch to $\frac{1}{4}$ inch, in steps of $\frac{1}{32}$ inch. The Standard gauges are $\frac{1}{8}$ inch, $\frac{5}{32}$ inch and $\frac{3}{16}$ inch. Length of stitch 8 to 22 to the inch. Needle bar stroke 1 $\frac{1}{16}$ inches. Speed 4300 R. P. M.

No.	Plate	Name
*139001	-----	Arm with 15404 and two 15405.....
8582	23112	" Dowel Pin (2).....
50608R	23110	" Hole Plug Screw (for access to Arm Rotary Shaft Crank Set Screw.....
139002	23110	Arm Rotary Shaft.....
139225	-----	" " " 139002 with 139226.....
150483	23110	" " " Ball Bearing (back)....
139003	23110	" " " " " " Case
139004	23110	" " " " " " " "
		Nut.....
50422C	23110	Arm Rotary Shaft Ball Bearing (back) Case Set Screw.....

No.	Plate	Name
68350	23110	Arm Rotary Shaft Ball Bearing (back) Oil Cup.....
131319	23110	Arm Rotary Shaft Ball Bearing (back) Oil Cup Oil Pad (braided cotton).....
139005	23110	Arm Rotary Shaft Ball Bearing (back) Spacing Collar.....
139006	23110	Arm Rotary Shaft Ball Bearing (front)...
68350	23110	" " " " " " Oil Cup.....
131319	23110	Arm Rotary Shaft Ball Bearing (front) Oil Cup Oil Pad (braided cotton)....
139007	23110	Arm Rotary Shaft Ball Bearing (front) Oil Retainer (back).....
139008	23110	Arm Rotary Shaft Ball Bearing (front) Oil Retainer (front).....
139009	23110	Arm Rotary Shaft Crank with two each 1036AL and 1149AL.....
139226	-----	Arm Rotary Shaft Crank 139009 with 139103.....
1149AL	23110	Arm Rotary Shaft Crank Set Screw (2)...
51185F	23110	" " " Screw.....
139010	23112	" " " Sprocket Wheel with two each 201254C and 202253.....
201254C	23112	Arm Rotary Shaft Sprocket Wheel Set Screw (2).....
202253	23112	Arm Rotary Shaft Sprocket Wheel Spring Flange (2).....
116E	23112	Arm Screw (3).....
139011	23112	Balance Wheel, 2 in. pulley, with two 51283AL, for round belt.....
139413	-----	Balance Wheel, "v" belt groove, with two 51283AL.....
51283AL	23112	Balance Wheel Set Screw (2).....
*139421	-----	Bed.....
139423	23115	" Cover with 50411E and 139425.....
139424	23115	" " Gasket (cork).....
139425	23115	" " " Clamping Plate.....
50411E	23115	" " " " Screw...
50608R	23115	" " Hole Plug Screw.....
139017	23115	" " " " Washer.....
140295C	23115	" " Screw (16).....
139476	23122	" Extension.....
783E	23122	" " Screw (2).....
50608R	23110	" Oil Drain Plug Screw.....
139017	23110	" " " " Washer.....
139022	23115	" " Gauge.....
139426	23110	" Rotary Shaft.....
139026	23110	" " " Ball Bearing (inter-mediate).....
139028	23110	Bed Rotary Shaft Ball Bearing (inter-mediate) Sleeve with two 462AL.....

No.	Plate	Name
462AL	23110	Bed Rotary Shaft Ball Bearing (intermediate) Sleeve Set Screw (2).....
132231	23110	Bed Rotary Shaft Ball Bearing (left)....
139030	23110	" " " " " " " Cover
139031	23110	" " " " " " " "
		Gasket.....
202R	23110	Bed Rotary Shaft Ball Bearing (left) Cover Screw (4).....
150483	23110	Bed Rotary Shaft Ball Bearing (right)...
139427	23110	" " " " " " " Case
139004	23110	" " " " " " " "
		Nut.....
158E	23110	Bed Rotary Shaft Ball Bearing (right) Case Screw (3).....
68350	23110	Bed Rotary Shaft Ball Bearing (right) Oil Cup.....
131319	23110	Bed Rotary Shaft Ball Bearing (right) Oil Cup Oil Pad (braided cotton)....
139033	23110	Bed Rotary Shaft Ball Bearing (right) Spacing Collar.....
249311	23112	Bed Rotary Shaft Belt.....
139034	23111	" " " " " Guard with two 200363C.....
139035	23111	Bed Rotary Shaft Belt Guard Cover.....
139036	23111	" " " " " " " 139035 with 139037.....
139037	23111	Bed Rotary Shaft Belt Guard Cover Gasket (cork).....
200092F	23111	Bed Rotary Shaft Belt Guard Cover Screw (2).....
200363C	23111	Bed Rotary Shaft Belt Guard Set Screw (2).....
1480D	23110	Bed Rotary Shaft Screw (left).....
50040D	23110	" " " " " (right).....
139038	23112	" " " " Sprocket Wheel with 202253 and two 201254C.....
201254C	23112	Bed Rotary Shaft Sprocket Wheel Set Screw (2).....
202253	23112	Bed Rotary Shaft Sprocket Wheel Spring Flange.....
139039	23113	Face Plate (lower half).....
139040	23113	" " " " " Gasket (cork)...
391J	23113	" " " " " Screw (3).....
139041	23113	" " " " (upper half).....
29234	23113	" " " " " Position Plate..
1053E	23113	" " " " " " "
		Screw.....
51224W	23113	Face Plate (upper half) Thumb Screw....
139428	23116	Feed Bar.....
139430	23116	" " " " Hinge Pin (eccentric).....

No.	Plate	Name
139431	23116	Feed Bar Hinge Pin Oil Retainer (leather)
443AL	23116	" " " " Set Screw.....
139046	23116	" " " " Slide Block.....
139364	23113	" Dog, 19 teeth (14 teeth to the inch) for 139460, for 3/16 in. to 1/4 in. gauges.....
139248	23114	Feed Dog, 18 teeth (14 teeth to the inch) for 139472, for 1/8 in. and 5/32 in. gauges.....
139386	23114	Feed Dog with row of teeth between needles, 18 teeth (14 teeth to the inch) for 139471, for 5/32 in. gauge
Note: When ordering Feed Dogs, state gauge required.		
1255E	23113	Feed Dog Screw.....
51061AL	23116	" Eccentric Body Set Screw (2).....
7071	23116	" " Clamping Washer.....
217J	23116	" " " " Screw....
139052	23116	Feed Eccentric (adjustable) complete, Nos. 217J, 7071, 50328C and two 51061AL
139053	23116	Feed Eccentric Slide Block.....
139432	23116	" Lifting Eccentric Forked Connection
896AL	23116	" " " " " "
		Screw (long).....
586C	23116	Feed Lifting Eccentric Forked Connection Screw (short).....
139055	23116	Feed Lifting Eccentric Forked Connection Slide Block.....
50328C	23116	Feed Regulating Screw.....
139433	23113	Looper (back).....
139434	23113	" (front).....
Note: When ordering Loopers, state gauge required.		
139058	23116	Looper Avoiding Eccentric with two 50150AL.....
139435	23116	Looper Avoiding Eccentric Forked Con- nection with 1057AL.....
1057AL	23116	Looper Avoiding Eccentric Forked Con- nection Clamping Screw.....
139436	23116	Looper Avoiding Eccentric Forked Con- nection Shaft.....
139437	23116	Looper Avoiding Eccentric Forked Con- nection Shaft Bracket with 456C.....
127E	23116	Looper Avoiding Eccentric Forked Con- nection Shaft Bracket Screw.....
139055	23116	Looper Avoiding Eccentric Forked Con- nection Slide Block.....
50150AL	23116	Looper Avoiding Eccentric Set Screw (2)
51485AL	23116	" Clamping Screw.....
139438	23116	" Driving Arm with 1047AL.....
139440	23116	" " " " Ball Screw Stud.....
1520J	23116	" " " " " " Nut..

No.	Plate	Name
139441	23116	Looper Driving Arm Ball Screw Stud Nut Lock Washer.....
139064	23116	Looper Driving Arm Connecting Link.....
139065	23116	" " " " " Hinge Pin (2).....
1047AL	23116	Looper Driving Arm Connecting Link Hinge Pin Set Screw (2).....
139066	23116	Looper Driving Arm Connection with four 175E.....
139439	-----	Looper Driving Arm Connection 139066 with 139440 and 139442.....
175E	23116	Looper Driving Arm Connection Cap (low- er) Screw (2).....
175E	23116	Looper Driving Arm Connection Cap (up- per) Screw (2).....
139442	23116	Looper Driving Arm Connection Crank with 1057AL.....
1057AL	23116	Looper Driving Arm Connection Crank Clamping Screw.....
139443	23116	Looper Driving Arm Hinge Stud.....
1095F	23116	" " " " " Cap Screw.
139444	23116	" " " " " " Washer (lead).....
446AL	23116	Looper Driving Arm Hinge Stud Set Screw.
139445	23116	" Eccentric and Feed Lifting Eccen- tric with two 1036AL.....
1036AL	23116	Looper Eccentric and Feed Lifting Eccen- tric Set Screw (2).....
139446	23116	Looper Eccentric Connection with 1047AL.
139074	23116	" " " " Slide Block.
139447	23116	" " " " " Screw Stud.....
139448	23116	Looper Eccentric Connection Slide Block Screw Stud Collar with two 1253AL...
1253AL	23116	Looper Eccentric Connection Slide Block Screw Stud Collar Set Screw (2)....
456C	23116	Looper Eccentric Connection Slide Block Screw Stud Set Screw.....
139411	23116	Looper Eccentric Connection Slide Block Screw Stud Washer (leather).....
139449	23115	Looper Gate (left) with 665J and 139479.
139479	23115	" " " Lock Spring.....
665J	23115	" " " " " Screw....
139450	23115	" " (right).....
139451	23115	" " " Hinge Stud Connection
139470	23115	" " " " " Hinge Pin.....
139480	23115	Looper Gate (right) Lock Spring.....
665J	23115	" " " " " Screw...
139452	23115	Looper Gate (right) complete, Nos. 665J, 139450, 139451, 139454, 139480 and two 139470.....

No.	Plate	Name
139453	23115	Looper Gate Locking Plate.....
236J	23115	" " " " Screw.....
139454	23115	" " Spring.....
139470	23115	" " " Position Pin.....
139455	23116	" Holder with 586E, 26276 and 51485AL.....
586E	23116	Looper Holder Clamping Screw.....
139456	23116	" " Shaft.....
139095	23116	" " " Bushing (back).....
443AL	23116	" " " " Set Screw.....
139457	23116	Looper Holder Shaft Bushing (front).....
454C	23116	" " " " " Set Screw.....
139097	23116	Looper Holder Shaft Collar with 1454E...
1454E	23116	" " " " Clamping Screw.....
26276	23116	Looper Position Pin.....
139458	23117	" Thread Guide.....
206J	23117	" " " Screw.....
139099	23117	Needle Bar (hollow).....
139100	-----	Needle Bar complete, Nos. 139099 and 139116.....
139101	23117	Needle Bar Bushing (lower).....
1133E	23117	" " " " Set Screw....
139102	23117	" " Connecting Link.....
139103	-----	" " " " 139102 with 139105 and 139108.....
139105	23110	Needle Bar Connecting Link Hinge Stud...
139239	23110	" " " " " " Oil Pad (braided cotton).....
1036AL	23110	Needle Bar Connecting Link Hinge Stud Set Screw (2).....
139229	23117	Needle Bar Connecting Link Spacing Wash- er, thickness .004", .008" or .012".
Note: When ordering No. 139229, state thickness re- quired.		
139108	23117	Needle Bar Connecting Stud with 175E....
175E	23117	" " " " Clamping Screw
139110	23117	" " " " Oil Pad (wick)
139111	23117	" " " " Slide Block...
139112	23117	" " " " " "
		Guide.....
1057AL	23117	Needle Bar Connecting Stud Slide Block Guide Screw (2).....
59456	23117	Needle Bar Connecting Stud Slide Block Guide Screw Washer (2).....
139113	23117	Needle Bar Guide.....
52146	23117	" " " Oil Pad (inside) braided cotton.....
139114	23117	Needle Bar Guide Oil Pad (outside) felt.

No.	Plate	Name
1133E	23117	Needle Bar Guide Set Screw.....
139115	23117	" " Thread Guide.....
330W	23117	" " " " Screw.....
59019	23117	" " " " Washer....
139116	23117	" Clamp with two 1498F.....
139459	23113	" Guard, for 3/32 in. to 3/16 in. gauges.....
139482	23113	Needle Guard, for 7/32 in. and 1/4 in. gauges.....
Note: When ordering Needle Guards, state gauge re- quired.		
139120	23117	Needle Guard Holder.....
453AL	23117	" " " Set Screw.....
1167E	23117	" " Screw.....
1498F	23117	" Set Screw (2).....
139121	23112	Oil Cup Body.....
139122	23112	" " " Cap (transparent).....
139123	23112	" " " " Gasket (cork).....
139124	23112	" " " " Retainer.....
131C	23112	" " " " " Screw (4)....
50617B	23112	" " " " Oil Plug Screw.....
139125	23112	" " " " " Washer.....
139126	23112	Oil Cup complete, for oiling Needle Bar Connecting Link, Nos. 50617B, 139121 to 139125 and four 131C.....
139127	23112	Oil Cup Gasket (soft leather).....
139462	23117	Presser Bar.....
139129	23117	" " Bushing (lower).....
1133E	23117	" " " " Set Screw...
139463	23117	" " Lifting Bracket with 1057AL.
1057AL	23117	" " " " Clamping Screw
139131	23118	" " " " Lifter.....
807D	23118	" " " " " Hinge Screw.....
139132	23118	Presser Bar Lifting Lever.....
802D	23118	" " " " Hinge Screw...
139133	23118	" " " " Spring.....
42071	23117	" " Spring.....
139464	23117	" " " Housing.....
139465	23117	" " " Seat (lower).....
139466	23117	" " " " (upper).....
139134	23113	" Foot Plate (back).....
26276	23113	" " " " Hinge Pin....
139243	23113	" " " " (front).....
26276	23113	" " " " Hinge Pin....
139244	23113	" " " " Connection.....
26276	23113	" " " " Hinge Pin
37160	23113	" " " " Spring...
139137	23113	" " Shank.....
139245	23113	Presser Foot (triple hinged) complete, Nos. 37160, 139134, 139137, 139243, 139244 and three 26276.....

No.	Plate	Name
190J	23117	Presser Foot Screw.....
50392J	23117	Pressure Regulating Thumb Screw.....
1745J	23117	" " " " Lock Nut
139275	23118	Tension (looper thread) Body and Thread Guide with 42727.....
430C	23118	Tension (looper thread) Body Set Screw..
51486C	23118	" " " Regulating Screw
1423J	23118	" " " " "
		Cap Screw.....
139140	23118	Tension (looper thread) Regulating Screw Nut with 42639.....
42639	23118	Tension (looper thread) Regulating Screw Nut Position Pin.....
59534	23118	Tension (looper thread) Spring.....
139276	23118	" " " Tension Plate (3).....
42727	23118	Tension (looper thread) Tension Plate Position Pin.....
139278	23118	Tension (looper thread) complete, Nos. 1423J, 51486C, 59534, 139140, 139275 and three 139276.....
54070	23118	Tension (needle thread) Bracket.....
376J	23118	" " " " Screw...
2102	23118	" " " Disc (4).....
51570C	23118	" " " Regulating Thumb Nut (2).....
32572	23118	Tension (needle thread) Releasing Disc (2).....
54988	23118	Tension (needle thread) Releasing Pin (2).....
54071	23118	Tension (needle thread) Releasing Shaft.
54872	23118	" " " " "
		Crank with 624AL.....
139143	23118	Tension (needle thread) Releasing Shaft Crank Connecting Link.....
110C	23118	Tension (needle thread) Releasing Shaft Crank Connecting Link Hinge Screw (2).....
624AL	23118	Tension (needle thread) Releasing Shaft Crank Set Screw.....
316C	23118	Tension (needle thread) Releasing Shaft Stop Screw.....
1547J	23118	Tension (needle thread) Releasing Shaft Stop Screw Nut.....
50326C	23118	Tension (needle thread) Screw Stud (2).. " " " " " 50326C
59539	-----	with 51570C (2).....
131741	23118	Tension (needle thread) Spring (2).....
59537	23118	" " " " Bushing (large) (2).....

No.	Plate	Name
59538	23118	Tension (needle thread) Spring Bushing (small) (2).....
131696	23118	Tension (needle thread) Thread Guide (double) (2).....
139144	23110	Thread (looper) Take-up with two 1266AL.
139145	23121	" " " Cover.....
139146	23121	" " " " Hinge Pin.
139147	23121	" " " " Lock Spring
51282J	23121	" " " " " "
		Screw.....
1250AL	23110	Thread (looper) Take-up Cover Position Screw Stud.....
1266AL	23110	Thread (looper) Take-up Set Screw (2)..
139148	23121	" " " Stripper.....
139149	23121	" " " " Plate..
139279	23121	" " " " " "
		Bracket.....
139280	23121	Thread (looper) Take-up Stripper Plate Bracket 139279 with 219J, 237J, 240J, 7071, 51282J, 139145 to 139149, 139152 to 139157 and two each 203J, 207J, 665J and 17022.....
175E	23121	Thread (looper) Take-up Stripper Plate Bracket Screw (2).....
207J	23121	Thread (looper) Take-up Stripper Plate Screw (2).....
139152	23121	Thread (looper) Take-up Stripper Plate Thread Guard.....
665J	23121	Thread (looper) Take-up Stripper Plate Thread Guard Screw (2).....
203J	23121	Thread (looper) Take-up Stripper Screw (2).....
17022	23121	Thread (looper) Take-up Stripper Screw Washer (2).....
139153	23121	Thread (looper) Take-up Thread Guard (fibre).....
139154	23121	Thread (looper) Take-up Thread Guide (left).....
237J	23121	Thread (looper) Take-up Thread Guide (left) Screw.....
139155	23121	Thread (looper) Take-up Thread Guide (right).....
219J	23121	Thread (looper) Take-up Thread Guide (right) Screw.....
7071	23121	Thread (looper) Take-up Thread Guide (right) Screw Washer.....
139156	23121	Thread (looper) Take-up Thread Separator
139157	23121	" " " " " "
		Thread Retainer.....
240J	23121	Thread (looper) Take-up Thread Separator Thread Retainer Screw.....

No.	Plate	Name
139158	23119	Thread (looper) Thread Guide (left).....
229J	23119	" " " " " Screw
		(2).....
139158	23119	Thread (looper) Thread Guide (right)....
229J	23119	" " " " " Screw
		(2).....
139159	23119	Thread (looper) Thread Guide Bracket....
176J	23119	" " " " " Screw
139160	23119	" " " " " Support
202J	23119	" " " " " "
		Screw (lower).....
237J	23119	Thread (looper) Thread Guide Bracket
		Support Screw (upper).....
139162	23119	Thread (looper) Thread Tube (belt guard)
		Bushing (4).....
203J	23119	Thread (looper) Thread Tube (belt guard)
		Seat Screw (3).....
139164	23119	Thread (looper) Thread Tube (belt guard)
		with four 139162.....
139167	23120	Thread (looper) Thread Tube (front of
		bed) Bushing (4).....
139168	23120	Thread (looper) Thread Tube (front of
		bed) complete, Nos. 18191 and four
		139167.....
139169	23120	Thread (looper) Thread Tube (front of
		bed) Cover.....
139170	23120	Thread (looper) Thread Tube (front of
		bed) Cover 139169 with 139171 and
		two 229J.....
139171	23120	Thread (looper) Thread Tube (front of
		bed) Cover Catch.....
229J	23120	Thread (looper) Thread Tube (front of
		bed) Cover Catch Screw (2).....
12162	23120	Thread (looper) Thread Tube (front of
		bed) Cover Hinge Pin (2).....
139172	23120	Thread (looper) Thread Tube (front of
		bed) Cover Hinge Plate (2).....
176J	23120	Thread (looper) Thread Tube (front of
		bed) Cover Hinge Plate Screw (2)...
139173	23120	Thread (looper) Thread Tube (front of
		bed) Cover Lock Spring.....
18191	23120	Thread (looper) Thread Tube (front of
		bed) Cover Lock Spring Position Pin.
139174	23120	Thread (looper) Thread Tube (front of
		bed) Cover Lock Spring Reinforcing
		Plate.....
202J	23120	Thread (looper) Thread Tube (front of
		bed) Cover Lock Spring Screw.....
139281	23116	Thread (looper) Thread Tube (side of
		bed).....

No.	Plate	Name
139177	23119	Thread (needle) Eyelet.....
128721	23119	" " " (side of arm)....
190J	23119	" " " " " Screw
207J	23119	" " " Screw.....
139179	23119	" " Take-up with 202E.....
202E	23119	" " Clamping Screw..
139196	23119	" " Extension.....
337J	23119	" " " Screw.
54095	23119	" " Plate.....
68164	23119	" " " Spring....
1449J	23119	" " " " Screw
139197	23119	Thread (needle) Take-up complete, Nos. 337J, 1449J, 54095, 68164, 139179 and 139196.....
139198	23119	Thread (needle) Take-up (auxiliary)....
54242	23119	" " " " Clamp
176J	23119	" " " " Screw.....
139158	23119	Thread (needle) Thread Guide (left)....
229J	23119	" " " " " Screw (2).....
139158	23119	Thread (needle) Thread Guide (right)....
229J	23119	" " " " " Screw (2).....
139180	23119	Thread (needle) Thread Guide Bracket....
139181	23117	" Cutter (knife).....
50318W	23117	" " Screw (2).....
139182	23117	" " Thread Guide (inside)....
139183	23117	" " " " (outside)....
139460	23113	Throat Plate for 139364, for 3/16 in. to 1/4 in. gauges.....
139472	23114	Throat Plate for 139248, for 1/8 in. and 5/32 in. gauges.....
139471	23114	Throat Plate for 139386, for 5/32 in. gauge.....
691F	23113	Throat Plate Screw (3).....
*15404	-----	Trade Mark.....
15405	-----	" " Rivet (2).....

ACCESSORIES

No.	Plate	Name
120344	23086	Oiler (copper plated) with 120345.....
120345	23086	" Spout, 4 1/2 in. long.....
120440	23086	Screw Driver (large).....
121108	23086	" " (small).....
120341	23086	Tweezers (curved).....
23535	23086	Wrench.....

BELT GUARDS

No.	Plate	Name
139477	23122	Belt Guard with two 146R, for use with Bed Extension No. 139476, for all applications except for oblique mounting of the machine on Singer Universal Safety Power Tables.....
139481	23122	Belt Guard with two wood screws 3/4 in. No. 9 R.H., for use with Bed Extension No. 139476, for use on Singer Universal Safety Power Tables when Machine is set at an oblique angle..
152004	23122	Belt Guard with two wood screws 1 in. No. 10 R.H. for Series S 39, S 49, S 59 and S 69 Electric Transmitters, for Stand No. 46976, for use with Bed Extension No. 139337.....
146R	23122	Belt Guard Screw for 139477 (2).....

FOOT LIFTER AND STARTING

TREADLE PARTS

FOR INDIVIDUAL MOTORS

No.	Plate	Name
6439	23123	Foot Lifter Chain, 36 in. to 45 in., with 56864 and 56865.....
Note: When ordering No. 6439, state length required.		
4879	23123	Foot Lifter Chain Connecting Link.....
56864	23123	" " " Hook (large).....
56865	23123	" " " " (small).....
150212	23123	Foot Lifter Treadle.....
150487	23123	Starting Treadle with two 140215C.....
140215C	23123	" " Set Screw (2).....
150488	23123	" " Shaft.....
150489	23123	" " Arm with two 140215C.....
140215C	23123	Starting Treadle Shaft Arm Set Screw (2)
46681	-----	" " " Bracket (2).....
60502	23123	" " " " 46681 with two wood screws 1 in. No. 14 F.H. (2).....
150216	23123	Starting Treadle Shaft Collar with two 445C.....
445C	23123	Starting Treadle Shaft Collar Set Screw (2).....
150490	23123	Starting Treadle Spacing Collar.....

No.	Plate	Name
150491	-----	Starting and Foot Lifter Treadle complete, Nos. 4879, 6439, 150212, 150216, 150487 to 150490 and two 60502.....

FOOT LIFTER AND STARTING TREADLE PARTS

FOR UNIVERSAL SAFETY POWER TABLE

No.	Plate	Name
27639	23123	Treadle Pitman Rod (lower).....
69337	23123	" " " (upper).....
2762	23123	" " " Collar with 362C (2).....
362C	23123	Treadle Pitman Rod (upper) Collar Set Screw (2).....
150208	23123	Treadle Pitman Rod (upper) Spring.....
23250	23123	" " " " Washer
80223	23123	" " " Clamp with 361C.....
361C	23123	" " " Screw.....
69338	23123	Treadle Pitman complete, Nos. 23250, 27639, 69337, 80223, 150208 and two 2762.....
150497	23123	Starting and Foot Lifter Treadle with Pitman complete Nos. 69338 and 150491.....

FOOT LIFTER AND STARTING TREADLE PARTS

FOR LOW SHAFT POWER TABLE

FOR UNDER DRIVER NO. 150499

No.	Plate	Name
27639	23089	Treadle Pitman Rod (2).....
80223	23089	" " " Clamp with 361C.....
361C	23089	" " " Set Screw.....
60626	23089	Treadle Pitman Rod complete, Nos. 80223 and two 27639.....
150498	23089	Starting and Foot Lifter Treadle with Pitman complete, Nos. 60626 and 150491.....

FRONT PLANKS

No.	Plate	Name
135060	-----	Front Plank, 1 5/8 in. thick, 19 in. wide, 46 1/2 in. long, for Series 1500, 1900 and 2900 Electric Transmitters, for Universal Electric Transmitter Tables.....
135061	-----	Front Plank, 1 5/8 in. thick, 19 in. wide, 48 in. long, for Series 1500, 1900 and 2900 Electric Transmitters, for Electric Transmitter Tables (cast iron legs).....
135062	-----	Front Plank, 1 5/8 in. thick, 19 in. wide, 46 1/2 in. long, for Series 1700 Electric Transmitters, for Universal Electric Transmitter Tables..

FRONT PLANKS

No.	Plate	Name
135063	-----	Front Plank, 1 5/8 in. thick, 19 in. wide, 48 in. long, for Series 170C Electric Transmitters, for Electric Transmitter Tables (cast iron legs).
135064	-----	Front Plank, 1 5/8 in. thick, 19 in. wide, 46 1/2 in. long, for Series S 39, S 49, S 59 and S 69 Electric Transmitters, for Universal Electric Transmitter Tables.....
135065	-----	Front Plank, 1 5/8 in. thick, 19 in. wide, 48 in. long, for Series S 39, S 49, S 59 and S 69 Electric Transmitters, for Electric Transmitter Tables (cast iron legs).....
135098	-----	Front Plank, 1 5/8 in. thick, 19 in. wide, 46 1/2 in. long, for Universal Safety Power Table.....
135068	-----	Front Plank, 1 5/8 in. thick, 19 in. wide, 46 1/2 in. long, for Universal Low Shaft Power Table.....
135069	-----	Front Plank, 1 5/8 in. thick, 19 in. wide, 48 in. long, for Old Style Low Shaft Power Table.....
135196	-----	Front Plank, 1 5/8 in. thick, 19 in. wide, 46 1/2 in. long, for Series S 79 and S 89 Electric Transmitters, for Universal Electric Transmitter Tables.....
135250	-----	Front Plank, 1 5/8 in. thick, 19 in. wide, 48 in. long, for Series S 79 and S 89 Electric Transmitters, for Electric Transmitter Tables (cast iron legs).....

IDLERS

IDLER

(ADJACENT TO BALANCE WHEEL)

No.	Plate	Name
150480	23090	Bracket with 1448AL.....
150481	23090	Pulley.....
150482	23090	" Shaft.....
150483	23090	" " Ball Bearing.....
150484	23090	" " " " Cover.....
150485	23090	" " " " " Gasket (cork).....
330R	23090	Pulley Shaft Ball Bearing Cover Screw (4).....
144D	23090	Pulley Shaft Cap Screw.....
130328	23090	" " Oil Cup.....
1448AL	23090	" " Set Screw.....
150496	23090	Pulley and Shaft complete, Nos. 144D, 150481 to 150485 and four 330R.....
150486	23090	Idler complete, Nos. 130328, 150480, 150496 and two 51183R.....
51183R	23090	Idler Screw (2).....

IDLER **FOR UNDER THE TABLE** **FOR SINGER UNIVERSAL SAFETY POWER TABLE**

No.	Plate	Name
150528	23090	Idler Base with 356C.....
150481	23090	" Pulley (2).....
150482	23090	" " Shaft (2).....
150483	23090	" " " Ball Bearing (2)....
150484	23090	" " " " " Cover (2)
150485	23090	" " " " " "
		Gasket (cork) (2).....
330R	23090	Idler Pulley Shaft Ball Bearing Cover Screw (8).....
150529	23090	Idler Pulley Shaft Bracket (lower) with 168C and 692C.....
692C	23090	Idler Pulley Shaft Bracket (lower) Clamping Screw.....
150530	23090	Idler Pulley Shaft Bracket (upper) with 168C and 692C.....
692C	23090	Idler Pulley Shaft Bracket (upper) Clamping Screw.....
150531	23090	Idler Pulley Shaft Bracket Shaft.....
356C	23090	" " " " " Set Screw
144D	23090	" " " Cap Screw (2).....
168C	23090	" " " Set Screw (2).....
150496	23090	Idler Pulley and Shaft complete, Nos. 144D, 150481 to 150485 and four 330R (2).....
150532	23090	Idler complete, Nos. 150528 to 150531, two 150496 and three wood screws 1 1/4 in. No. 12 F.H.....
150533	23090	Idler Guard with two wood screws 3/4 in. No. 9 R.H., for 150532.....

LAP SEAM FELLER

No.	Plate	Name
121757	23121	Lap Seam Feller on Shank.....
121449	23121	" " " Clamping Plate.....
1443B	23121	" " " Screw (2).....
139461	23121	" " " Slide.....

MACHINE CUSHIONS

No.	Plate	Name
139190	23086	Machine Cushion (round rubber) (2)....
139191	23086	" Mounting Cushion (molded rubber) (2).....
51069R	23086	Machine Mounting Cushion Bolt with 51581R (2).....
51581R	23086	Machine Mounting Cushion Bolt Nut (2)..
2807	23086	" " " " " Washer (2).....
146R	23086	Machine Screw, for mounting machine to table (2).....

POWER TABLE ACCESSORIES

No.	Plate	Name
150862	-----	Power Table Accessories, for all styles of Electric Transmitter Power Tables, Nos. 139477, 150486 and 150491.....
150867	-----	Power Table Accessories, for Universal Safety Power Tables, Nos. 139481 and 150497.....
150863	-----	Power Table Accessories, for Universal Low Shaft Power Tables, Nos. 139477 and 150486.....

THREAD UNWINDER

FOR FOUR CONES

No.	Plate	Name
150364	23092	Base with two 437C.....
150365	23092	Rod.....
437C	23092	" Set Screw (2).....
150366	23092	Thread Cone Holder (4).....
164J	23092	" " " Screw (4).....
19020	23092	" " " Washer (4)....
150367	23092	" " " Support.....
51082R	23092	" " " Screw with 51581R.....
51581R	-----	Thread Cone Holder Support Screw Nut....
150368	23092	" " Steady Wire (4).....
150369	23092	" Guide.....
178J	23092	Thread Guide Screw.....
150370	23092	Thread Unwinder complete, for inverted cones, Nos. 178J, 51082R, 150364, 150365, 150367, 150369, three wood screws 1 1/2 in. No. 16 F.H. and four each 164J, 19020, 150366 and 150368.....

THREAD UNWINDER SPOOL RESTS

FOR USE WHEN SPOOLS ARE USED

IN PLACE OF CONES OF THREAD

FOR USE WITH THREAD UNWINDER NO. 150370

No.	Plate	Name
150647	23092	Spool Rest with 178J (4).....
150203	23092	" " Cushion (felt) (4).....
150649	23092	" " Rod.....
178J	23092	" " Set Screw.....
178J	23092	" " Set Screw (4).....
150662	23092	Spool Rests complete (for four spools) Nos. 178J, 150649 and four each 150203 and 150647.....

NUMERICAL
LIST
OF PARTS

NUMERICAL LIST OF PARTS

No.	Plate	Name
110C	23118	Tension (needle thread) Releasing Shaft Crank Connecting Link Hinge Screw (2).....
116E	23112	Arm Screw (3).....
127E	23116	Looper Avoiding Eccentric Forked Connection Shaft Bracket Screw.....
131C	23112	Oil Cup Body Cap Retainer Screw for 139126 (4).....
144D	23090	Idler Puller Shaft Cap Screw for 150496.
146R	23122	Belt Guard Screw for 139477 (2).....
146R	23086	Machine Screw, for mounting machine to table (2).....
158E	23110	Bed Rotary Shaft Ball Bearing (right) Case Screw (3).....
164J	23092	Thread Unwinder Thread Cone Holder Screw for 150370 (4).....
168C	23090	Idler Pulley Shaft Set Screw for 150529 and 150530 (2).....
175E	23116	Looper Driving Arm Connection Cap (lower) Screw for 139066 (2).....
175E	23116	Looper Driving Arm Connection Cap (upper) Screw for 139066 (2).....
175E	23117	Needle Bar Connecting Stud Clamping Screw for 139108.....
175E	23121	Thread (looper) Take-up Stripper Plate Bracket Screw (2).....
176J	23119	Thread (looper) Thread Guide Bracket Screw.....
176J	23120	Thread (looper) Thread Tube (front of bed) Cover Hinge Plate Screw (2)...
176J	23119	Thread (needle) Take-up (auxiliary) Clamp Screw.....
178J	23092	Thread Unwinder Thread Guide Screw for 150370.....
178J	23092	Thread Unwinder Spool Rest Rod Set Screw for 150662.....
178J	23092	Thread Unwinder Spool Rest Set Screw for 150647 (4).....
190J	23117	Presser Foot Screw.....
190J	23119	Thread (needle) Eyelet (side of arm) Screw.....
202R	23110	Bed Rotary Shaft Ball Bearing (left) Cover Screw (4).....
202J	23119	Thread (looper) Thread Guide Bracket Support Screw (lower).....
202J	23120	Thread (looper) Thread Tube (front of bed) Cover Lock Spring Screw.....

NUMERICAL LIST OF PARTS

No.	Plate	Name
202E	23119	Thread (needle) Take-up Clamping Screw for 139179.....
203J	23121	Thread (looper) Take-up Stripper Screw for 139280 (2).....
203J	23119	Thread (looper) Thread Tube (belt guard) Seat Screw (3).....
206J	23117	Looper Thread Guide Screw.....
207J	23121	Thread (looper) Take-up Stripper Plate Screw for 139280 (2).....
207J	23121	Thread (looper) Take-up Stripper Plate Screw for 139280 (2).....
207J	23119	Thread (needle) Eyelet Screw.....
217J	23116	Feed Eccentric Clamping Washer Screw for 139052.....
219J	23121	Thread (looper) Take-up Thread Guide (right) Screw for 139280.....
229J	23119	Thread (looper) Thread Guide (left) Screw (2).....
229J	23119	Thread (looper) Thread Guide (right) Screw (2).....
229J	23120	Thread (looper) Thread Tube (front of bed) Cover Catch Screw for 139170 (2).....
229J	23119	Thread (needle) Thread Guide (left) Screw (2).....
229J	23119	Thread (needle) Thread Guide (right) Screw (2).....
236J	23115	Looper Gate Locking Plate Screw.....
237J	23121	Thread (looper) Take-up Thread Guide (left) Screw for 139280.....
237J	23119	Thread (looper) Thread Guide Bracket Support Screw (upper).....
240J	23121	Thread (looper) Take-up Thread Separator Thread Retainer Screw for 139280....
316C	23118	Tension (needle thread) Releasing Shaft Stop Screw.....
330R	23090	Idler Pulley Shaft Ball Bearing Cover Screw for 150496.....
330W	23117	Needle Bar Thread Guide Screw.....
337J	23119	Thread (needle) Take-up Extension Screw for 139197.....
356C	23090	Idler Pulley Shaft Bracket Shaft Set Screw for 150528.....
361C	23089	Treadle Pitman Rod Clamp Screw for 80223
362C	23123	" " " (upper) Collar Set Screw for 2762 (2).....
376J	23118	Tension (needle thread) Bracket Screw...
391J	23113	Face Plate (lower half) Screw (3).....
430C	23118	Tension (looper thread) Body Set Screw..
437C	23092	Thread Unwinder Rod Set Screw for 150364 (2).....

No.	Plate	Name
443AL	23116	Feed Bar Hinge Pin Set Screw.....
443AL	23116	Looper Holder Shaft Bushing (back) Set Screw.....
445C	23123	Starting Treadle Shaft Collar Set Screw for 150216 (2).....
446AL	23116	Looper Driving Arm Hinge Stud Set Screw.
453AL	23117	Needle Guard Holder Set Screw.....
454C	23116	Looper Holder Shaft Bushing (front) Set Screw.....
456C	23116	Looper Eccentric Connection Slide Block Screw Stud Set Screw for 139437.....
462AL	23110	Bed Rotary Shaft Ball Bearing (inter- mediate) Sleeve Set Screw for 139028 (2).....
586C	23116	Feed Lifting Eccentric Forked Connection Screw (short).....
586E	23116	Looper Holder Clamping Screw for 139455.
624AL	23118	Tension (needle thread) Releasing Shaft Crank Set Screw for 54872.....
665J	23115	Looper Gate (left) Lock Spring Screw for 139449.....
665J	23115	Looper Gate (right) Lock Spring Screw for 139452.....
665J	23121	Thread (looper) Take-up Stripper Plate Thread Guard Screw for 139280 (2)..
691F	23113	Throat Plate Screw (3).....
692C	23090	Idler Pulley Shaft Bracket (lower) Clamping Screw for 150529.....
692C	23090	Idler Pulley Shaft Bracket (upper) Clamping Screw for 150530.....
783E	23122	Bed Extension Screw (2).....
802D	23118	Presser Bar Lifting Lever Hinge Screw...
807D	23118	" " " Bracket Lifter Hinge Screw.....
896AL	23116	Feed Lifting Eccentric Forked Connection Screw (long).....
1036AL	23116	Looper Eccentric and Feed Lifting Eccen- tric Set Screw for 139445 (2).....
1036AL	23110	Needle Bar Connecting Link Hinge Stud Set Screw for 139009 (2).....
1047AL	23116	Looper Driving Arm Connecting Link Hinge Pin Set Screw for 139438 and 139446.
1053E	23113	Face Plate (upper half) Position Plate Screw.....
1057AL	23116	Looper Avoiding Eccentric Forked Connec- tion Clamping Screw for 139435.....
1057AL	23116	Looper Driving Arm Connection Crank Clamping Screw for 139442.....
1057AL	23117	Needle Bar Connecting Stud Slide Block Guide Screw (2).....

NUMERICAL LIST OF PARTS

No.	Plate	Name
1057AL	23117	Presser Bar Lifting Bracket Clamping Screw for 139463.....
1095F	23116	Looper Driving Arm Hinge Stud Cap Screw.
1133E	23117	Needle Bar Bushing (lower) Set Screw....
1133E	23117	" " Guide Set Screw.....
1133E	23117	Presser Bar Bushing (lower) Set Screw...
1149AL	23110	Arm Rotary Shaft Crank Set Screw for 139009 (2).....
1167E	23117	Needle Guard Screw.....
1250AL	23110	Thread (looper) Take-up Cover Position Screw Stud.....
1253AL	23116	Looper Eccentric Connection Slide Block Screw Stud Collar Set Screw for 139448 (2).....
1255E	23113	Feed Dog Screw.....
1266AL	23110	Thread (looper) Take-up Set Screw for 139144.....
1423J	23118	Tension (looper thread) Regulating Screw Cap Screw for 139278.....
1443B	23121	Lap Seam Feller Screw (2).....
1448AL	23090	Idle Pulley Shaft Set Screw for 150480.
1449J	23119	Thread (needle) Take-up Plate Spring Screw for 139197.....
1454E	23116	Looper Holder Shaft Collar Clamping Screw for 139097.....
1480D	23110	Bed Rotary Shaft Screw (left).....
1498F	23117	Needle Set Screw for 139116 (2).....
1520J	23116	Looper Driving Arm Ball Screw Stud Nut..
1547J	23118	Tension (needle thread) Releasing Shaft Stop Screw Nut.....
1745J	23117	Pressure Regulating Thumb Screw Lock Nut
2102	23118	Tension (needle thread) Disc (4).....
2762	23123	Treadle Pitman Rod (upper) Collar with 362C, for 69338 (2).....
2807	23086	Machine Mounting Cushion Bolt Nut Washer (2).....
4879	23123	Foot Lifter Chain Connecting Link for 150491.....
6439	23123	Foot Lifter Chain, 36 in. to 45 in., with 56864 and 56865, for 150491.....
Note: When ordering No. 6439, state length required.		
7071	23116	Feed Eccentric Clamping Washer for 139052.....
7071	23121	Thread (looper) Take-up Thread Guide (right) Screw Washer for 139280.....
8582	23112	Arm Dowel Pin (2).....
12162	23120	Thread (looper) Thread Tube (front of bed) Cover Hinge Pin (2).....
*15404	-----	Trade Mark for 139001.....
15405	-----	" " Rivet for 139001 (2).....

No.	Plate	Name
17022	23121	Thread (looper) Take-up Stripper Screw Washer for 139280 (2).....
18191	23120	Thread (looper) Thread Tube (front of bed) Cover Lock Spring Position Pin for 139168.....
19020	23092	Thread Unwinder Thread Cone Holder Screw Washer for 150370 (4).....
23250	23123	Treadle Pitman Rod (upper) Spring Washer for 69338.....
23535	23086	Wrench (Accessories).....
26276	23116	Looper Position Pin for 139455.....
26276	23113	Presser Foot Plate (back) Hinge Pin for 139245.....
26276	23113	Presser Foot Plate (front) Hinge Pin for 139245.....
26276	23113	Presser Foot Plate Connection Hinge Pin for 139245.....
27639	23089	Treadle Pitman Rod for 60626 (2).....
27639	23123	" " " (lower) for 69338....
29234	23113	Face Plate (upper half) Position Plate..
32572	23118	Tension (needle thread) Releasing Disc (2).....
37160	23113	Presser Foot Plate Connection Spring for 139245.....
42071	23117	Presser Bar Spring.....
42639	23118	Tension (looper thread) Regulating Screw Nut Position Pin for 139140.....
42727	23118	Tension (looper thread) Tension Plate Position Pin for 139275.....
46681	-----	Starting Treadle Shaft Bracket for 60502 (2).....
50040D	23110	Bed Rotary Shaft Screw (right).....
50150AL	23116	Looper Avoiding Eccentric Set Screw for 139058 (2).....
50318W	23117	Thread Cutter Screw (2).....
50326C	23118	Tension (needle thread) Screw Stud for 59539 (2).....
50328C	23116	Feed Regulating Screw for 139052.....
50392J	23117	Pressure Regulating Thumb Screw.....
50411E	23115	Bed Cover Gasket Clamping Plate Screw for 139423.....
50422C	23110	Arm Rotary Shaft Ball Bearing (back) Case Set Screw.....
50608R	23110	Arm Hole Plug Screw (for access to Arm Rotary Shaft Crank Set Screw).....
50608R	23115	Bed Cover Hole Plug Screw.....
50608R	23110	" Oil Drain Plug Screw.....
50617B	23112	Oil Cup Body Oil Plug Screw for 139126..
51061AL	23116	Feed Eccentric Body Set Screw for 139052 (2).....

NUMERICAL LIST OF PARTS

No.	Plate	Name
51069R	23086	Machine Mounting Cushion Bolt with 51581R (2).....
51082R	23092	Thread Unwinder Thread Cone Holder Sup- port Screw with 51581R, for 150370..
51183R	23090	Idler Screw for 150486 (2).....
51185F	23110	Arm Rotary Shaft Screw.....
51224W	23113	Face Plate (upper half) Thumb Screw....
51282J	23121	Thread (looper) Take-up Cover Lock Spring Screw for 139280.....
51283AL	23112	Balance Wheel Set Screw for 139483 and 139484 (2).....
51485AL	23116	Looper Clamping Screw for 139455.....
51486C	23118	Tension (looper thread) Regulating Screw for 139278.....
51570C	23118	Tension (needle thread) Regulating Thumb Nut for 59539 (2).....
51581R	23086	Machine Mounting Cushion Bolt Nut for 51069 (2).....
51581R	-----	Thread Unwinder Thread Cone Holder Sup- port Screw Nut for 51082.....
52146	23117	Needle Bar Guide Oil Pad (inside) braided cotton.....
54070	23118	Tension (needle thread) Bracket.....
54071	23118	" " " Releasing Shaft.
54095	23119	Thread (needle) Take-up Plate for 139197
54242	23119	" " " (auxiliary) Clamp
54872	23118	Tension (needle thread) Releasing Shaft Crank with 624AL.....
54988	23118	Tension (needle thread) Releasing Pin (2).....
56864	23123	Foot Lifter Chain Hook (large) for 6439.
56865	23123	" " " (small) for 6439.
59019	23117	Needle Bar Thread Guide Screw Washer....
59456	23117	" " Connecting Stud Slide Block Guide Screw Washer (2).....
59534	23118	Tension (looper thread) Spring for 139278.....
59537	23118	Tension (needle thread) Spring Bushing (large) (2).....
59538	23118	Tension (needle thread) Spring Bushing (small) (2).....
59539	-----	Tension (needle thread) Screw Stud 50326C with 51570C (2).....
60502	23123	Starting Treadle Shaft Bracket 46681 with two wood screws 1 in. No. 14 F.H., for 150491 (2).....
60626	23089	Treadle Pitman Rod complete for 150498, Nos. 80223 and two 27639.....
68164	23119	Thread (needle) Take-up Plate Spring for 139197.....

NUMERICAL LIST OF PARTS

29

No.	Plate	Name
68350	23110	Arm Rotary Shaft Ball Bearing (back) Oil Cup.....
68350	23110	Arm Rotary Shaft Ball Bearing (front) Oil Cup.....
68350	23110	Bed Rotary Shaft Ball Bearing (right) Oil Cup.....
69337	23123	Treadle Pitman Rod (upper) for 69338....
69338	23123	Treadle Pitman complete for 150497, Nos. 23250, 27639, 69337, 80223, 150208 and two 2762.....
80223	23089	Treadle Pitman Rod Clamp with 361C, for 60626 and 69338.....
120341	23086	Tweezers (curved) Accessories.....
120344	23086	Oiler (copper plated) with 120345 (Accessories).....
120345	23086	Oiler Spout, 4 1/2 in. long, for 120344.
120440	23086	Screw Driver (large) Accessories.....
121108	23086	" " (small) Accessories.....
121449	23121	Lap Seam Feller Clamping Plate.....
121757	23121	" " " on Shank.....
128721	23119	Thread (needle) Eyelet (side of arm)....
130328	23090	Idler Pulley Shaft Oil Cup for 150486...
131319	23110	Arm Rotary Shaft Ball Bearing (back) Oil Cup Oil Pad (braided cotton)....
131319	23110	Arm Rotary Shaft Ball Bearing (front) Oil Cup Oil Pad (braided cotton)....
131319	23110	Bed Rotary Shaft Ball Bearing (right) Oil Cup Oil Pad (braided cotton)....
131696	23118	Tension (needle thread) Thread Guide (double) (2).....
131741	23118	Tension (needle thread) Spring (2).....
132231	23110	Bed Rotary Shaft Ball Bearing (left)....
135060	-----	Front Plank, 1 5/8 in. thick, 19 in. wide, 46 1/2 in. long, for Series 1500, 1900 and 2900 Electric Transmitters for Universal Electric Transmitter Tables.....
135061	-----	Front Plank, 1 5/8 in. thick, 19 in. wide, 48 in. long, for Series 1500, 1900 and 2900 Electric Transmitters for Electric Transmitter Tables (cast iron legs).....
135062	-----	Front Plank, 1 5/8 in. thick, 19 in. wide, 46 1/2 in. long, for Series 1700 Electric Transmitters for Universal Electric Transmitter Tables..
135063	-----	Front Plank, 1 5/8 in. thick, 19 in. wide, 48 in. long, for Series 1700 Electric Transmitters for Electric Transmitter Tables (cast iron legs).

NUMERICAL LIST OF PARTS

No.	Plate	Name
135064	-----	Front Plank, 1 5/8 in. thick, 19 in. wide, 46 1/2 in. long, for Series S 39, S 49, S 59 and S 69 Electric Transmitters, for Universal Electric Transmitter Tables.....
135065	-----	Front Plank, 1 5/8 in. thick, 19 in. wide, 48 in. long, for Series S 39, S 49, S 59 and S 69 Electric Trans- mitters, for Electric Transmitter Tables (cast iron legs).....
135068	-----	Front Plank, 1 5/8 in. thick, 19 in. wide, 46 1/2 in. long, for Universal Low Shaft Power Table.....
135069	-----	Front Plank, 1 5/8 in. thick, 19 in. wide, 48 in. long, for Old Style Low Shaft Power Table.....
135098	-----	Front Plank, 1 5/8 in. thick, 19 in. wide, 46 1/2 in. long, for Universal Safety Power Table.....
135196	-----	Front Plank, 1 5/8 in. thick, 19 in. wide, 46 1/2 in. long, for Series S 79 and S 89 Electric Transmitters, for Universal Electric Transmitter Tables.....
135250	-----	Front Plank, 1 5/8 in. thick, 19 in. wide, 48 in. long, for Series S 79 and S 89 Electric Transmitters, for Electric Transmitter Tables (cast iron legs).....
*139001	-----	Arm with 15404 and two 15405.....
139002	23110	" Rotary Shaft for 139225.....
139003	23110	" " " Ball Bearing (back) Case
139004	23110	" " " " " " " "
		Nut.....
139004	23110	Bed Rotary Shaft Ball Bearing (right) Case Nut.....
139005	23110	Arm Rotary Shaft Ball Bearing (back) Spacing Collar.....
139006	23110	Arm Rotary Shaft Ball Bearing (front)...
139007	23110	" " " " " " " Oil Retainer (back).....
139008	23110	Arm Rotary Shaft Ball Bearing (front) Oil Retainer (front).....
139009	23110	Arm Rotary Shaft Crank with two each 1036AL and 1149AL, for 139226.....
139010	23112	Arm Rotary Shaft Sprocket Wheel with two each 201254C and 202253.....
139011	23112	Balance Wheel, 2 in. pulley, with two 51283AL, for round belt.....
139017	23115	Bed Cover Hole Plug Screw Washer.....
139017	23110	" Oil Drain Plug Screw Washer.....
139022	23115	" " Gauge.....

No.	Plate	Name
139026	23110	Bed Rotary Shaft Ball Bearing (intermediate).....
139028	23110	Bed Rotary Shaft Ball Bearing (intermediate) Sleeve with two 462AL.....
139030	23110	Bed Rotary Shaft Ball Bearing (left) Cover.....
139031	23110	Bed Rotary Shaft Ball Bearing (left) Cover Gasket.....
139033	23110	Bed Rotary Shaft Ball Bearing (right) Spacing Collar.....
139034	23111	Bed Rotary Shaft Belt Guard with two 200363C.....
139035	23111	Bed Rotary Shaft Belt Guard Cover for 139036.....
139036	23111	Bed Rotary Shaft Belt Guard Cover 139035 with 139037.....
139037	23111	Bed Rotary Shaft Belt Guard Cover Gasket (cork) for 139036.....
139038	23112	Bed Rotary Shaft Sprocket Wheel with 202253 and two 201254C.....
139039	23113	Face Plate (lower half).....
139040	23113	" " " " Gasket (cork)...
139041	23113	" " (upper half).....
139046	23116	Feed Bar Hinge Pin Slide Block.....
139052	23116	Feed Eccentric (adjustable) complete, Nos. 217J, 7071, 50328C and two 51061AL.....
139053	23116	Feed Eccentric Slide Block.....
139055	23116	" Lifting Eccentric Forked Connection Slide Block.....
139055	23116	Looper Avoiding Eccentric Forked Connection Slide Block.....
139058	23116	Looper Avoiding Eccentric with two 50150AL.....
139064	23116	Looper Driving Arm Connecting Link.....
139065	23116	" " " " " Hinge Pin (2).....
139066	23116	Looper Driving Arm Connection with four 175E, for 139439.....
139074	23116	Looper Eccentric Connection Slide Block.
139095	23116	" Holder Shaft Bushing (back).....
139097	23116	" " " Collar with 1454E...
139099	23117	Needle Bar (hollow) for 139100.....
139100	-----	Needle Bar complete, Nos. 139099 and 139116.....
139101	23117	Needle Bar Bushing (lower).....
139102	23117	" " Connecting Link for 139103...
139103	-----	" " " " 139102 with 139105 and 139108, for 139226.....
139105	23110	Needle Bar Connecting Link Hinge Stud for 139103.....

NUMERICAL LIST OF PARTS

No.	Plate	Name
139108	23117	Needle Bar Connecting Stud with 175E, for 139103.....
139110	23117	Needle Bar Connecting Stud Oil Pad (wick).....
139111	23117	Needle Bar Connecting Stud Slide Block..
139112	23117	" " " " " "
		Guide.....
139113	23117	Needle Bar Guide.....
139114	23117	" " " Oil Pad (outside) felt
139115	23117	Needle Bar Thread Guide.....
139116	23117	" Clamp with two 1498F, for 139100.
139120	23117	Needle Guard Holder.....
139121	23112	Oil Cup Body for 139126.....
139122	23112	" " " Cap (transparent) for 139126.....
139123	23112	Oil Cup Body Cap Gasket (cork) for 139126.....
139124	23112	Oil Cup Body Cap Retainer for 139126....
139125	23112	" " " Oil Plug Screw Washer for 139126.....
139126	23112	Oil Cup complete, for oiling Needle Bar Connecting Link, Nos. 50617B, 139121 to 139125 and four 131C.....
139127	23112	Oil Cup Gasket (soft leather).....
139129	23117	Presser Bar Bushing (lower).....
139131	23118	" " Lifting Bracket Lifter.....
139132	23118	" " " Lever.....
139133	23118	" " " Spring.....
139134	23113	" Foot Plate (back) for 139245....
139137	23113	" " Shank for 139245.....
139140	23118	Tension (looper thread) Regulating Screw Nut with 42639, for 139278.....
139143	23118	Tension (needle thread) Releasing Shaft Crank Connecting Link.....
139144	23110	Thread (looper) Take-up with two 1266AL.
139145	23121	" " " Cover for 139280
139146	23121	" " " Hinge Pin for 139280.....
139147	23121	Thread (looper) Take-up Cover Lock Spring for 139280.....
139148	23121	Thread (looper) Take-up Stripper for 139280.....
139149	23121	Thread (looper) Take-up Stripper Plate for 139280.....
139152	23121	Thread (looper) Take-up Stripper Plate Thread Guard for 139280.....
139153	23121	Thread (looper) Take-up Thread Guard (fibre) for 139280.....
139154	23121	Thread (looper) Take-up Thread Guide (left) for 139280.....

No.	Plate	Name
139155	23121	Thread (looper) Take-up Thread Guide (right) for 139280.....
139156	23121	Thread (looper) Take-up Thread Separator for 139280.....
139157	23121	Thread (looper) Take-up Thread Separator Thread Retainer for 139280.....
139158	23119	Thread (looper) Thread Guide (left)....
139158	23119	" " " " (right)....
139158	23119	" (needle) Thread Guide (left)....
139158	23119	" " " " (right)....
139159	23119	" (looper) Thread Guide Bracket....
139160	23119	" " " " " " Sup-port.....
139162	23119	Thread (looper) Thread Tube (belt guard) Bushing for 139164 (4).....
139164	23119	Thread (looper) Thread Tube (belt guard) with four 139162.....
139167	23120	Thread (looper) Thread Tube (front of bed) Bushing for 139168 (4).....
139168	23120	Thread (looper) Thread Tube (front of bed) complete, Nos. 18191 and four 139167.....
139169	23120	Thread (looper) Thread Tube (front of bed) Cover for 139170.....
139170	23120	Thread (looper) Thread Tube (front of bed) Cover 139169 with 139171 and two 229J.....
139171	23120	Thread (looper) Thread Tube (front of bed) Cover Catch for 139170.....
139172	23120	Thread (looper) Thread Tube (front of bed) Cover Hinge Plate (2).....
139173	23120	Thread (looper) Thread Tube (front of bed) Cover Lock Spring.....
139174	23120	Thread (looper) Thread Tube (front of bed) Cover Lock Spring Reinforcing Plate.....
139177	23119	Thread (needle) Eyelet.....
139179	23119	" " Take-up with 202E, for 139197.....
139180	23119	Thread (needle) Thread Guide Bracket....
139181	23117	" Cutter (knife).....
139182	23117	" " Thread Guide (inside)....
139183	23117	" " " " (outside)....
139190	23086	Machine Cushion (round rubber) (2)....
139191	23086	" Mounting Cushion (moulded rubber) (2).....
139196	23119	Thread (needle) Take-up Extension for 139197.....
139197	23119	Thread (needle) Take-up complete, Nos. 337J, 1449J, 54095, 68164, 139179 and 139196.....

NUMERICAL LIST OF PARTS

No.	Plate	Name
139198	23119	Thread (needle) Take-up (auxiliary).....
139225	-----	Arm Rotary Shaft 139002 with 139226.....
139226	-----	" " " Crank 139009 with 139103, for 139225.....
139229	23117	Needle Bar Connecting Link Spacing Washer, thickness .004", .008" or .012".
Note: When ordering No. 139229, state thickness required.		
139239	23110	Needle Bar Connecting Link Hinge Stud Oil Pad (braided cotton).....
139243	23113	Presser Foot Plate (front) for 139245...
139244	23113	" " " Connection for 139245
139245	23113	Presser Foot (triple hinged) complete, Nos. 37160, 139134, 139137, 139243, 139244 and three 26276.....
139248	23114	Feed Dog, 18 teeth (14 teeth to the inch) for 139472, for 1/8 in. and 5/32 in. gauges.....
Note: When ordering Feed Dogs, state gauge required.		
139275	23118	Tension (looper thread) Body and Thread Guide with 42727, for 139278.....
139276	23118	Tension (looper thread) Tension Plate for 139278 (3).....
139278	23118	Tension (looper thread) complete, Nos. 1423J, 51486C, 59534, 139140, 139275 and three 139276.....
139279	23121	Thread (looper) Take-up Stripper Plate Bracket for 139280.....
139280	23121	Thread (looper) Take-up Stripper Plate Bracket 139279 with 219J, 237J, 240J, 7071, 51282J, 139145 to 139149, 139152 to 139157 and two each 203J, 207J, 665J and 17022.....
139281	23116	Thread (looper) Thread Tube (side of bed).....
139364	23113	Feed Dog, 19 teeth (14 teeth to the inch) for 139460, for 3/16 in. to 1/4 in. gauges.....
139386	23114	Feed Dog with row of teeth between needles, 18 teeth (14 teeth to the inch) for 139471, for 5/32 in. gauge
Note: When ordering Feed Dogs, state gauge required.		
139411	23116	Looper Eccentric Connection Slide Block Screw Stud Washer (leather).....
139413	-----	Balance Wheel, "v" belt groove, with two 51283AL.....
*139421	-----	Bed.....
139423	23115	" Cover with 50411E and 139425.....
139424	23115	" " Gasket (cork).....
139425	23115	" " " Clamping Plate for 139423
139426	23110	" Rotary Shaft.....
139427	23110	" " " Ball Bearing (right) Case

No.	Plate	Name
139428	23116	Feed Bar.....
139430	23116	" " Hinge Pin (eccentric).....
139431	23116	" " " " Oil Retainer(leather)
139432	23116	" Lifting Eccentric Forked Connection
139433	23113	Looper (back).....
139434	23113	" (front).....
Note: When ordering Loopers, state gauge required.		
139435	23116	Looper Avoiding Eccentric Forked Connection with 1057AL.....
139436	23116	Looper Avoiding Eccentric Forked Connection Shaft.....
139437	23116	Looper Avoiding Eccentric Forked Connection Shaft Bracket with 456C.....
139438	23116	Looper Driving Arm with 1047AL.....
139439	-----	" " " Connection 139066 with 139440 and 139442.....
139440	23116	Looper Driving Arm Ball Screw Stud for 139439.....
139441	23116	Looper Driving Arm Ball Screw Stud Nut Lock Washer.....
139442	23116	Looper Driving Arm Connection Crank with 1057AL, for 139439.....
139443	23116	Looper Driving Arm Hinge Stud.....
139444	23116	" " " " " Cap Screw Washer (lead).....
139445	23116	Looper Eccentric and Feed Lifting Eccentric with two 1036AL.....
139446	23116	Looper Eccentric Connection with 1047AL.
139447	23116	" " " Slide Block Screw Stud.....
139448	23116	Looper Eccentric Connection Slide Block Screw Stud Collar with two 1253AL...
139449	23115	Looper Gate (left) with 665J and 139479.
139450	23115	" " (right) for 139452.....
139451	23115	" " " Hinge Stud Connection for 139452.....
139452	23115	Looper Gate (right) complete, Nos. 665J, 139450, 139451, 139454, 139480 and two 139470.....
139453	23115	Looper Gate Locking Plate.....
139454	23115	" " Spring for 139452.....
139455	23116	" Holder with 586E, 26276 and 51485AL.....
139456	23116	Looper Holder Shaft.....
139457	23116	" " " Bushing (front).....
139458	23117	" Thread Guide.....
139459	23113	Needle Guard, for 3/32 in. to 3/16 in. gauges.....
Note: When ordering Needle Guards, state gauge required.		

NUMERICAL LIST OF PARTS

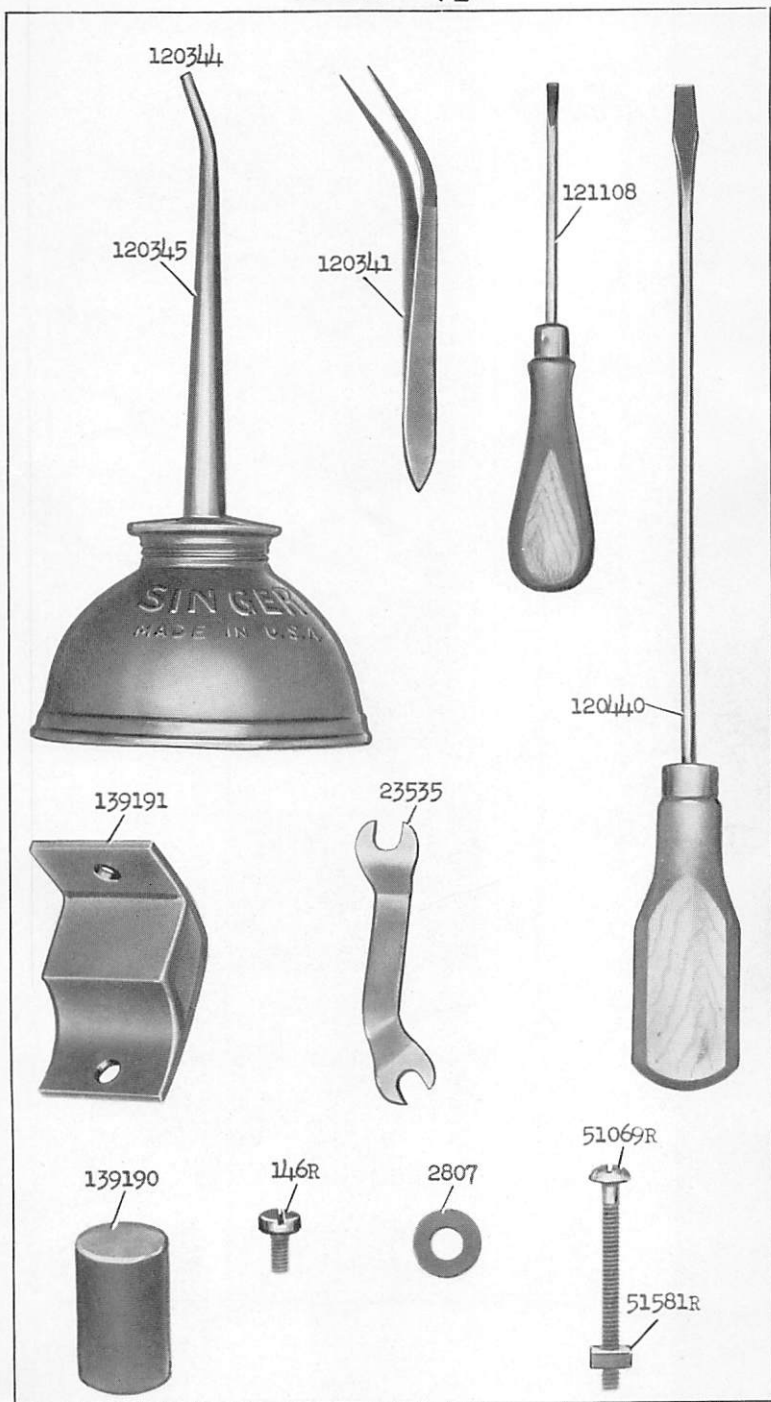
No.	Plate	Name
139460	23113	Throat Plate for 139364, for 3/16 in. to 1/4 in. gauges.....
139461	23121	Lap Seam Feller Slide.....
139462	23117	Presser Bar.....
139463	23117	" " Lifting Bracket with 1057AL.
139464	23117	" " Spring Housing.....
139465	23117	" " " Seat (lower).....
139466	23117	" " " " (upper).....
139470	23115	Looper Gate (right) Hinge Stud Connection Hinge Pin for 139452.....
139470	23115	Looper Gate Spring Position Pin for 139452.....
139471	23114	Throat Plate, for 139386, for 5/32 in. gauge.....
139472	23114	Throat Plate, for 139248, for 1/8 in. and 5/32 in. gauges.....
139476	23122	Bed Extension.....
139477	23122	Belt Guard with two 146R, for 150862 and 150863, for use with Bed Extension No. 139476, for all applications except for oblique mounting of the Machine on Singer Universal Safety Power Tables.....
139479	23115	Looper Gate (left) Lock Spring for 139449.....
139480	23115	Looper Gate (right) Lock Spring for 139452.....
139481	23122	Belt Guard with two wood screws 3/4 in. No. 9 R.H., for 150867, for use with Bed Extension No. 139476, for use on Singer Universal Safety Power Tables when Machine is set at an oblique angle.....
139482	23113	Needle Guard for 7/32 in. and 1/4 in. gauges.....
Note: When ordering Needle Guards, state gauge required.		
140215C	23123	Starting Treadle Set Screw for 150487 (2).....
140215C	23123	Starting Treadle Shaft Arm Set Screw for 150489 (2).....
140295C	23115	Bed Cover Screw (16).....
150203	23092	Thread Unwinder Spool Rest Cushion (felt) for 150662 (4).....
150208	23123	Treadle Pitman Rod (upper) Spring for 69338.....

No.	Plate	Name
150212	23123	Foot Lifter Treadle for 150491.....
150216	23123	Starting Treadle Shaft Collar with two 445C, for 150491.....
150364	23092	Thread Unwinder Base with two 437C, for 150370.....
150365	23092	Thread Unwinder Rod for 150370.....
150366	23092	" " Thread Cone Holder for 150370 (4).....
150367	23092	Thread Unwinder Thread Cone Holder Sup- port for 150370.....
150368	23092	Thread Unwinder Thread Cone Steady Wire for 150370 (4).....
150369	23092	Thread Unwinder Thread Guide for 150370.
150370	23092	Thread Unwinder complete, for inverted cones (for four cones) Nos. 178J, 51082R, 150364, 150365, 150367, 150369, three wood screws 1 1/2 in. No. 16 F.H. and four each 164J, 19020, 150366 and 150368.....
150480	23090	Idler Bracket with 1448AL, for 150486...
150481	23090	" Pulley for 150496.....
150482	23090	" " Shaft for 150496.....
150483	23110	Arm Rotary Shaft Ball Bearing (back)....
150483	23110	Bed Rotary Shaft Ball Bearing (right)...
150483	23090	Idler Pulley Shaft Ball Bearing for 150496.....
150484	23090	Idler Pulley Shaft Ball Bearing Cover for 150496.....
150485	23090	Idler Pulley Shaft Ball Bearing Cover Gasket (cork) for 150496.....
150486	23090	Idler complete (adjacent to Balance Wheel) for 150862 and 150863, Nos. 130328, 150480, 150496 and two 51183R.
150487	23123	Starting Treadle with two 140215C, for 150491.....
150488	23123	Starting Treadle Shaft for 150491.....
150489	23123	" " " Arm with two 140215C, for 150491.....
150490	23123	Starting Treadle Spacing Collar for 150491.....
150491	-----	Starting and Foot Lifter Treadle com- plete for 150497, 150498 and 150862, Nos. 4879, 6439, 150212, 150216, 150487 to 150490 and two 60502.....
150496	23090	Idler Pulley and Shaft complete for 150486 and 150532, Nos. 144D, 150481 to 150485 and four 330R.....
150497	23123	Starting and Foot Lifter Treadle with Pitman complete for Universal Safety Power Tables for 150867, Nos. 69338 and 150491.....

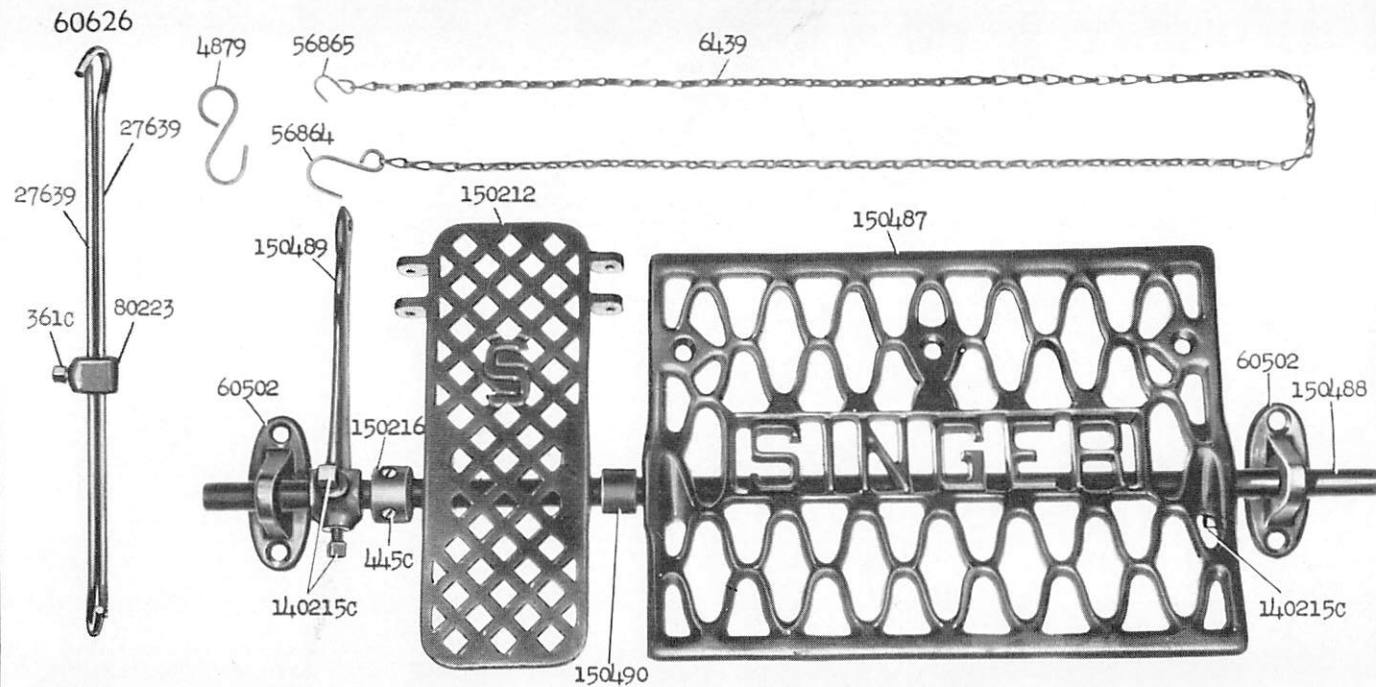
No.	Plate	Name
150498	23089	Starting and Foot Lifter Treadle with Pitman complete for Low Shaft Power Table for Under Driver No. 150499, Nos. 60626 and 150491.....
150528	23090	Idler Base with 356C, for 150532.....
150529	23090	" Pulley Shaft Bracket (lower) with 168C and 692C, for 150532.....
150530	23090	Idler Pulley Shaft Bracket (upper) with 168C and 692C, for 150532.....
150531	23090	Idler Pulley Shaft Bracket Shaft for 150532.....
150532	23090	Idler complete, for Under the Table, for Singer Universal Safety Power Table, Nos. 150528 to 150531, two 150496 and three wood screws 1 1/4 in. No. 12 F.H.....
150533	23090	Idler Guard with two wood screws 3/4 in. No. 9 R.H., for 150532.....
150647	23092	Thread Unwinder Spool Rest with 178J, for 150662 (4).....
150649	23092	Thread Unwinder Spool Rest Rod for 150662.....
150662	23092	Thread Unwinder Spool Rests complete (for four spools) for use when Spools are used in place of Cones of Thread, for use with Thread Unwinder Nos. 150370, Nos. 178J, 150649 and four each 150203 and 150647.....
150862	-----	Power Table Accessories, for all styles of Electric Transmitter Power Tables Nos. 139477, 150486 and 150491.....
150863	-----	Power Table Accessories, for Universal Low Shaft Power Tables, Nos. 139477 and 150486.....
150867	-----	Power Table Accessories for Universal Safety Power Tables, Nos. 139481 and 150497.....
152004	23122	Belt Guard with two wood screws 1 in. No. 10 R.H. for Series S 39, S 49, S 59 and S 69 Electric Transmitters for Stand No. 46976, for use with Bed Extension No. 139337.....
200092F	23111	Bed Rotary Shaft Belt Guard Cover Screw (2).....
200363C	23111	Bed Rotary Shaft Belt Guard Set Screw for 139034 (2).....
201254C	23112	Arm Rotary Shaft Sprocket Wheel Set Screw for 139010 (2).....
201254C	23112	Bed Rotary Shaft Sprocket Wheel Set Screw for 139038 (2).....
202253	23112	Arm Rotary Shaft Sprocket Wheel Spring Flange for 139010 (2).....
202253	23112	Bed Rotary Shaft Sprocket Wheel Spring Flange for 139038.....
249311	23112	Bed Rotary Shaft Belt.....

ILLUSTRATIONS
OF
PARTS

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150498

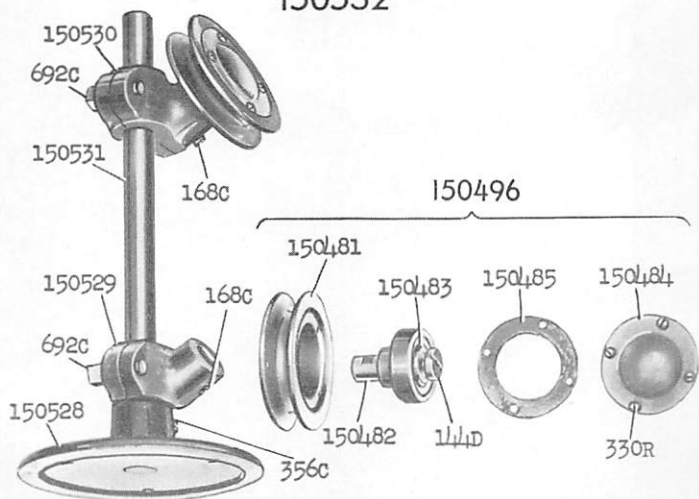


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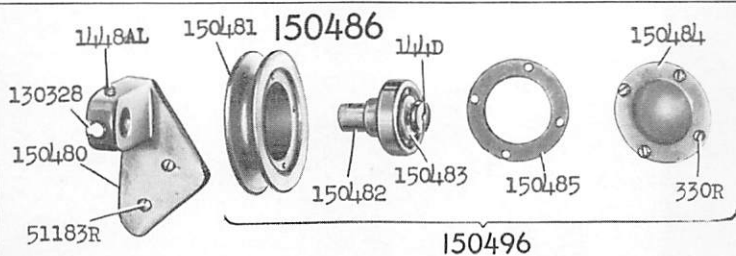
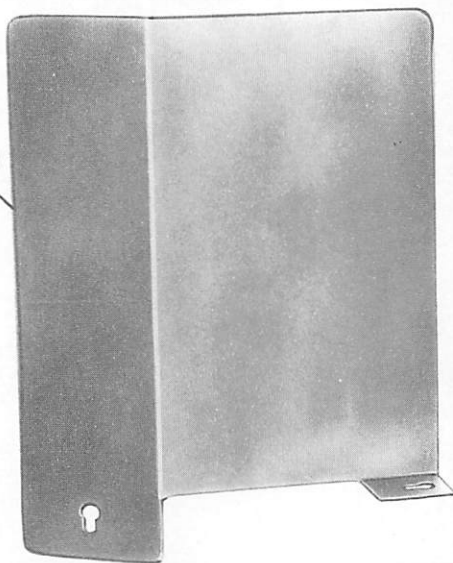
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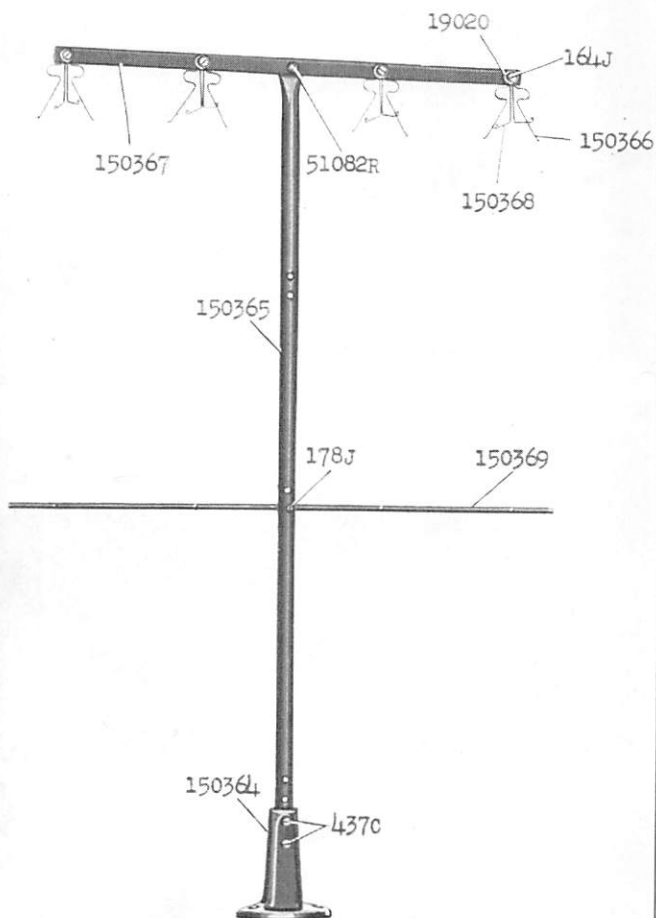


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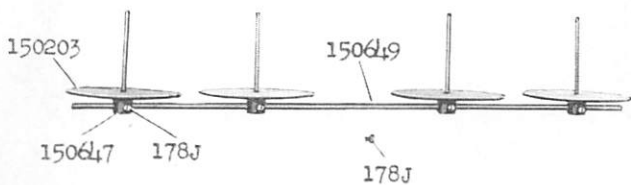


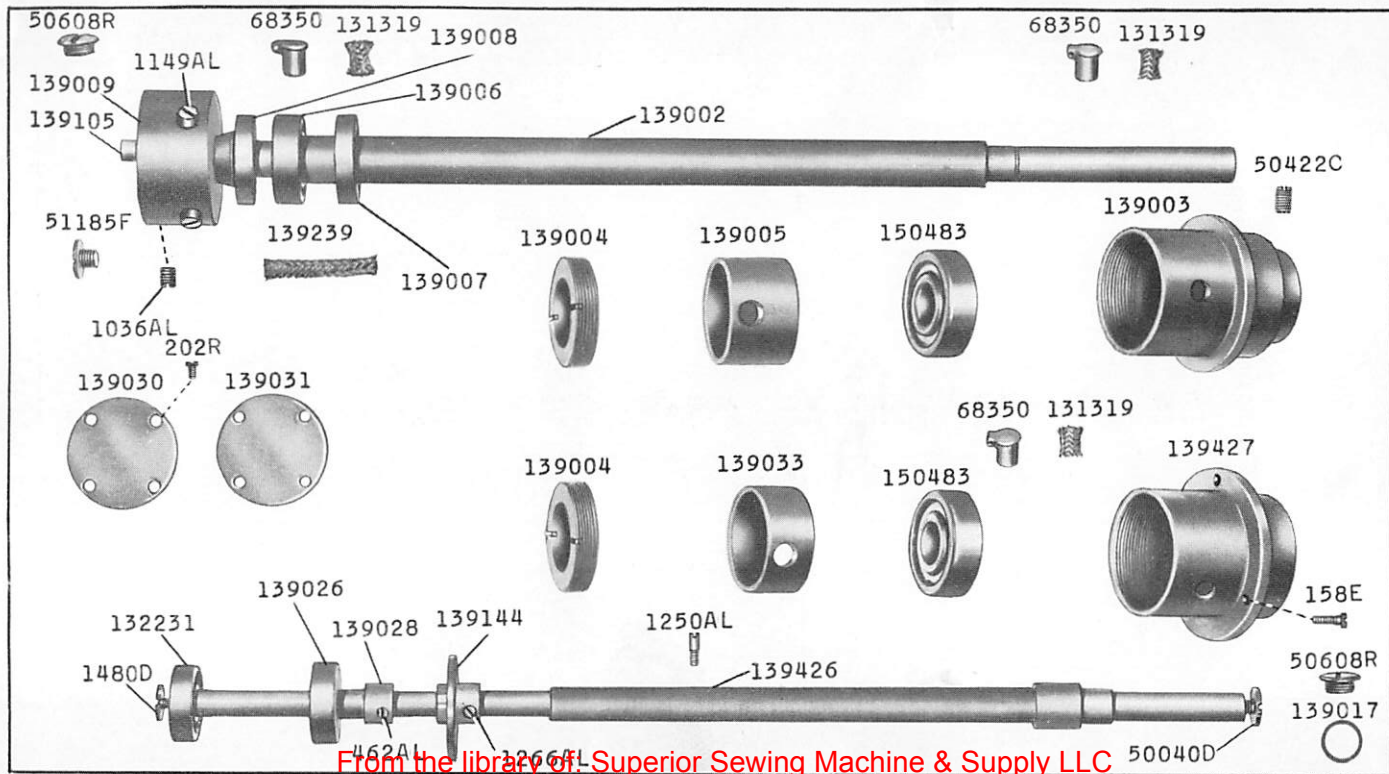
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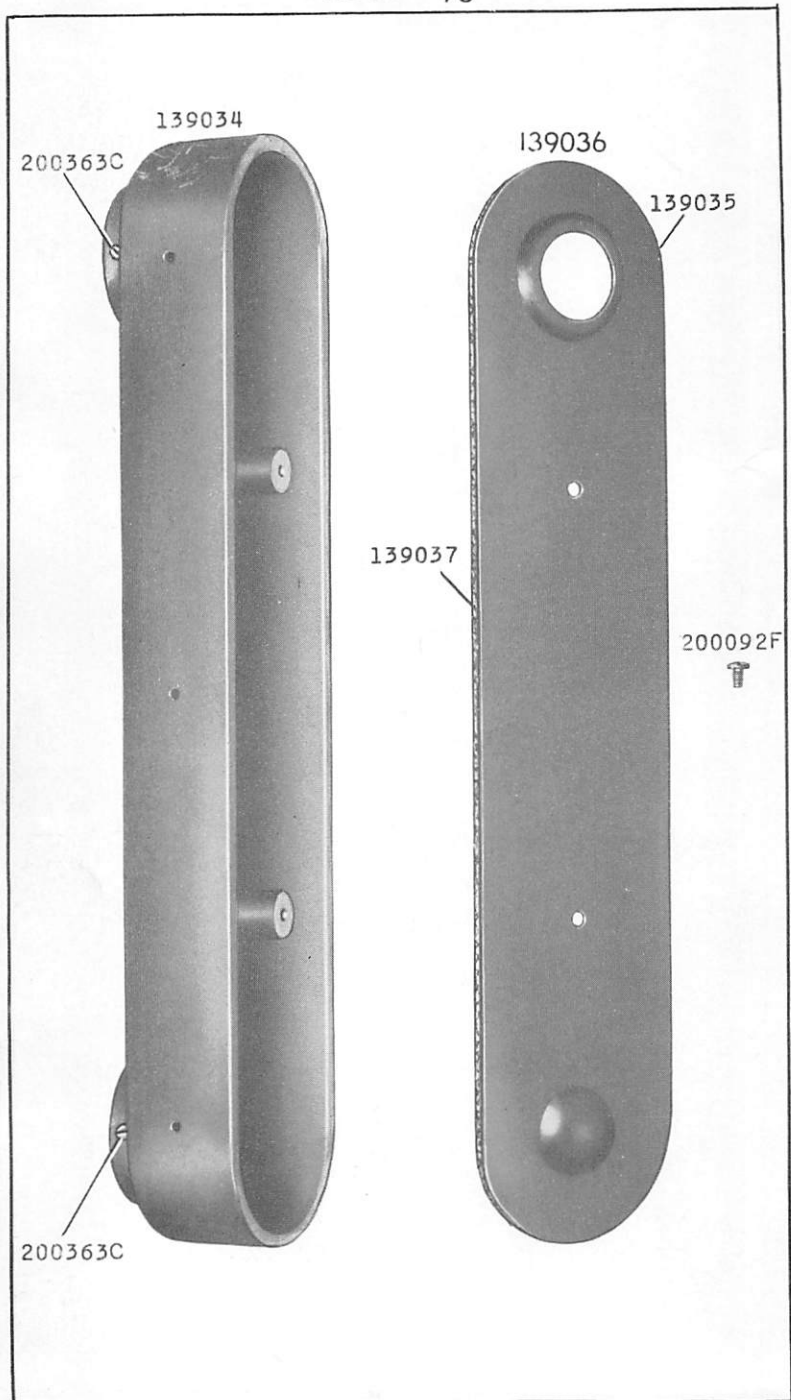
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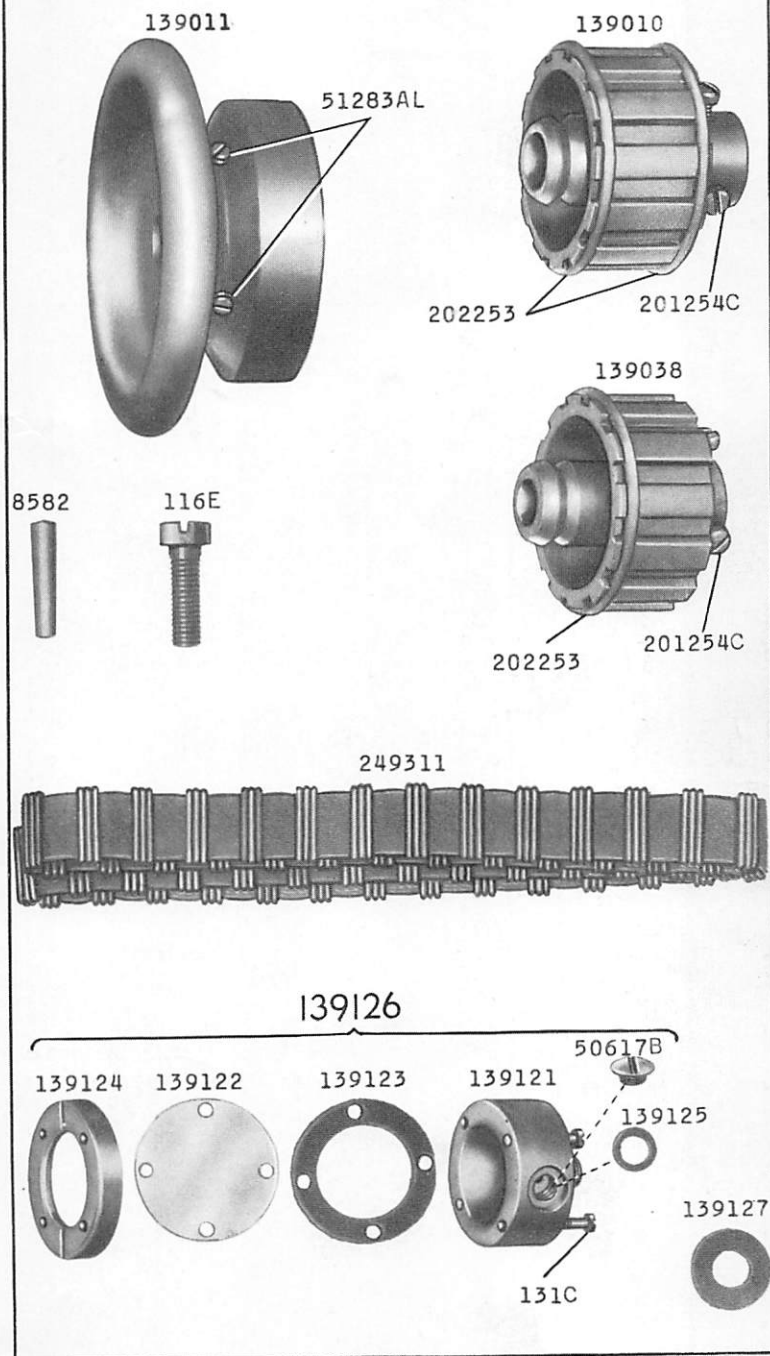


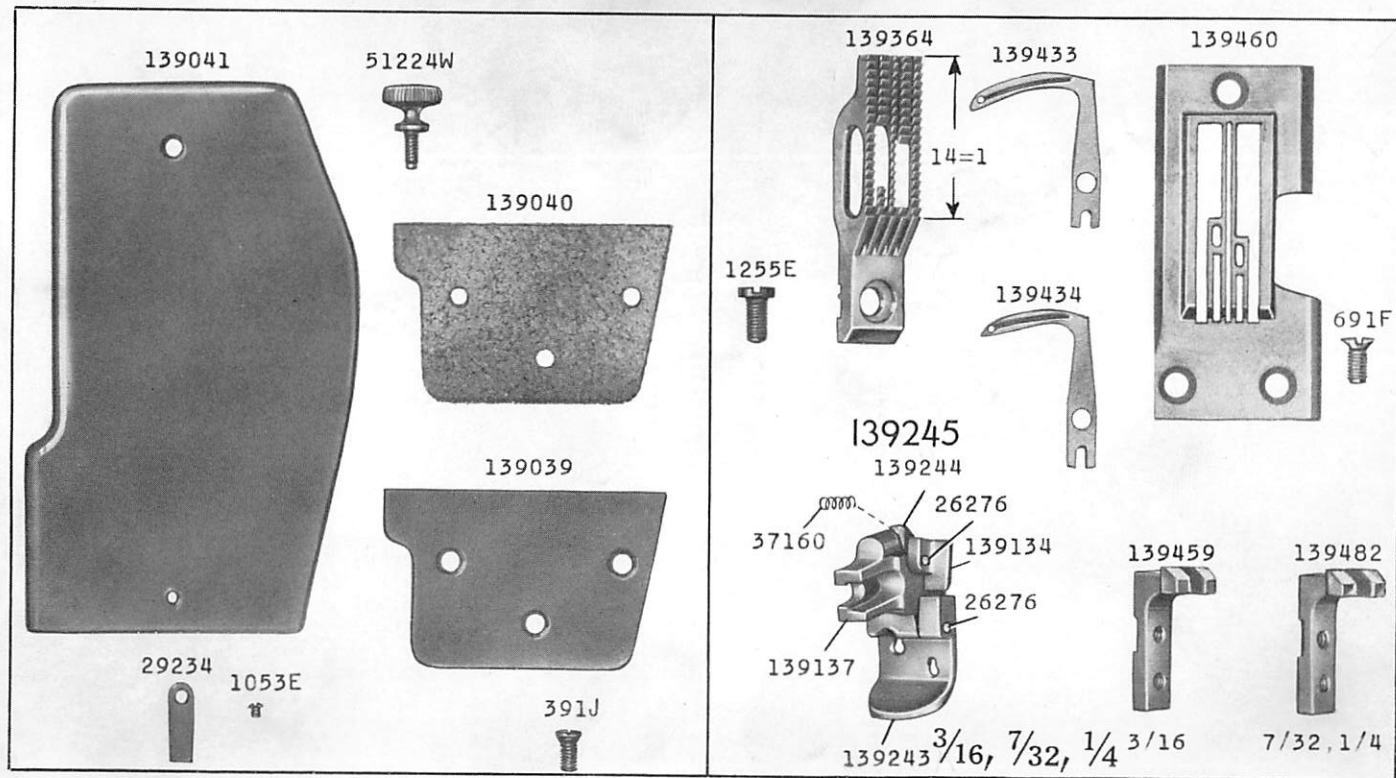
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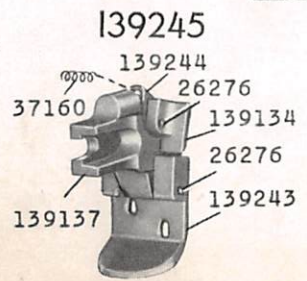
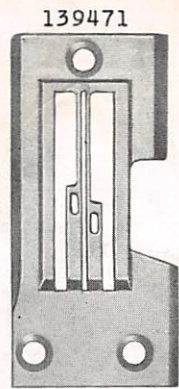
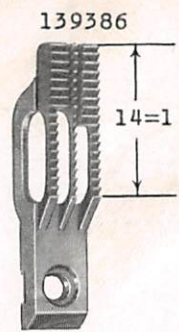
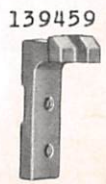
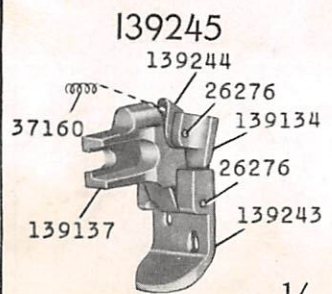
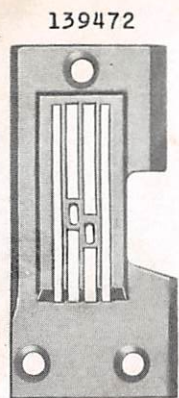
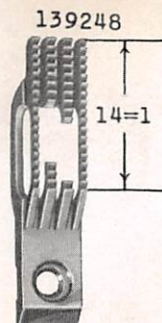


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23113 - 2/3



23114 - 2/3

23115 - 1/2

139452

139449

139454

139451

139450

139470

139480

665J

139479 665J



139424

139425

139423

50411E

236J

139453

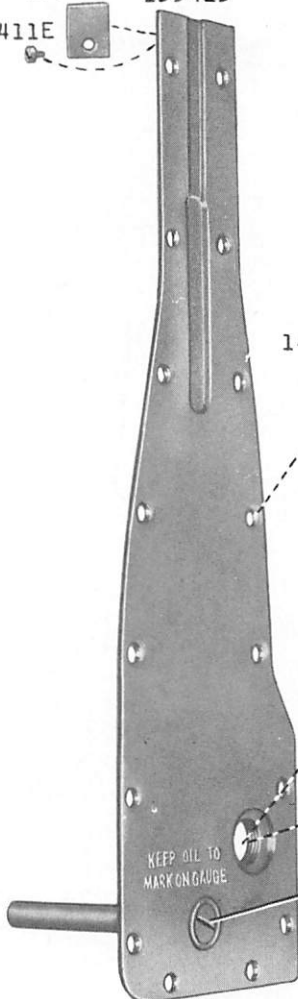
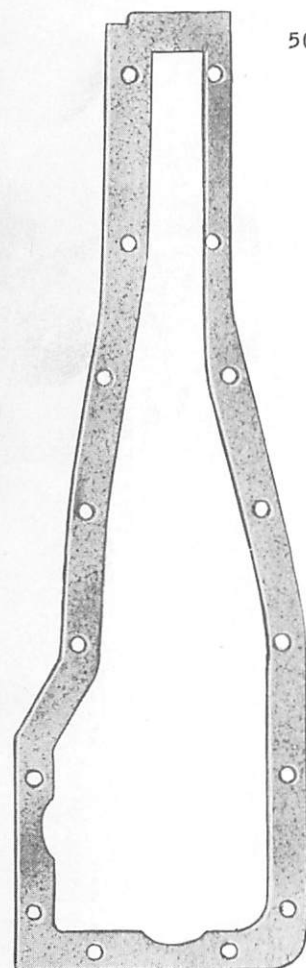
140295C

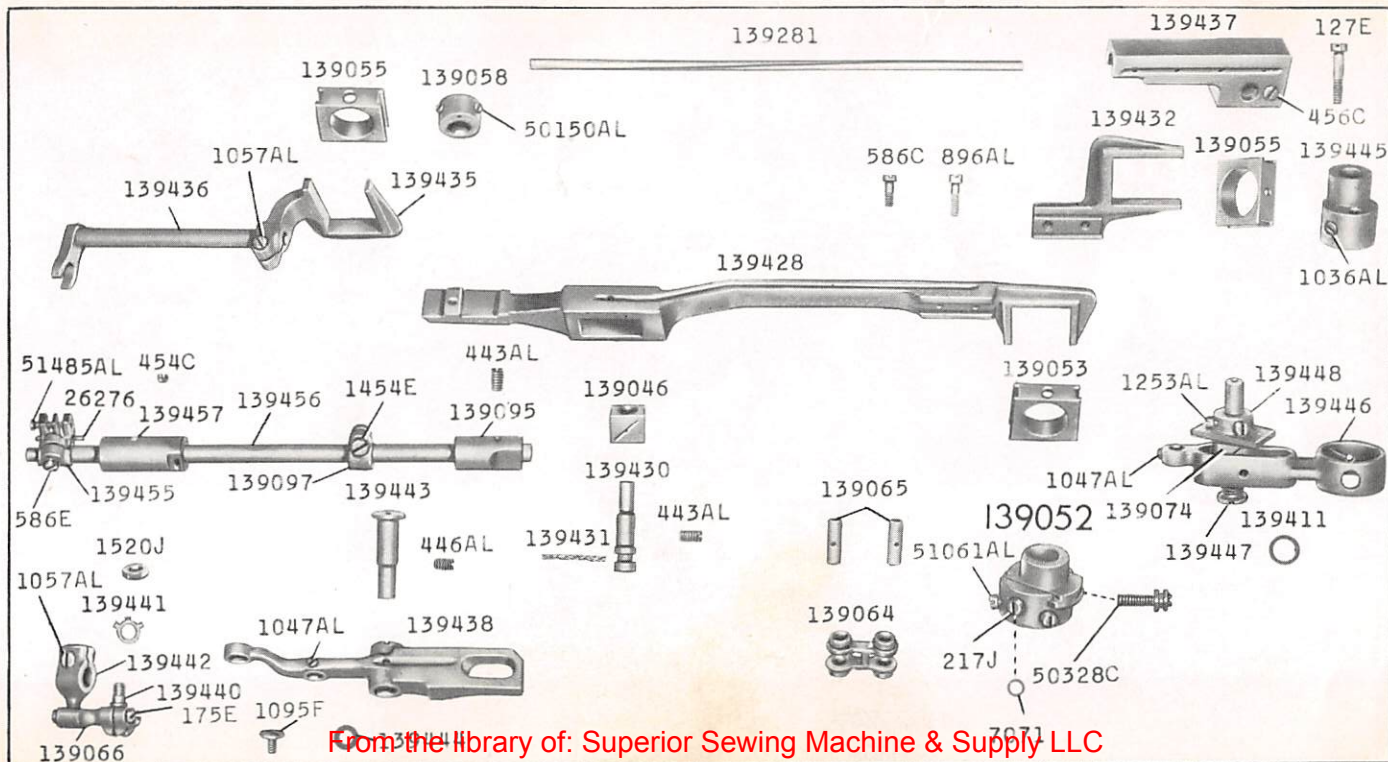
50608R

139017

139022

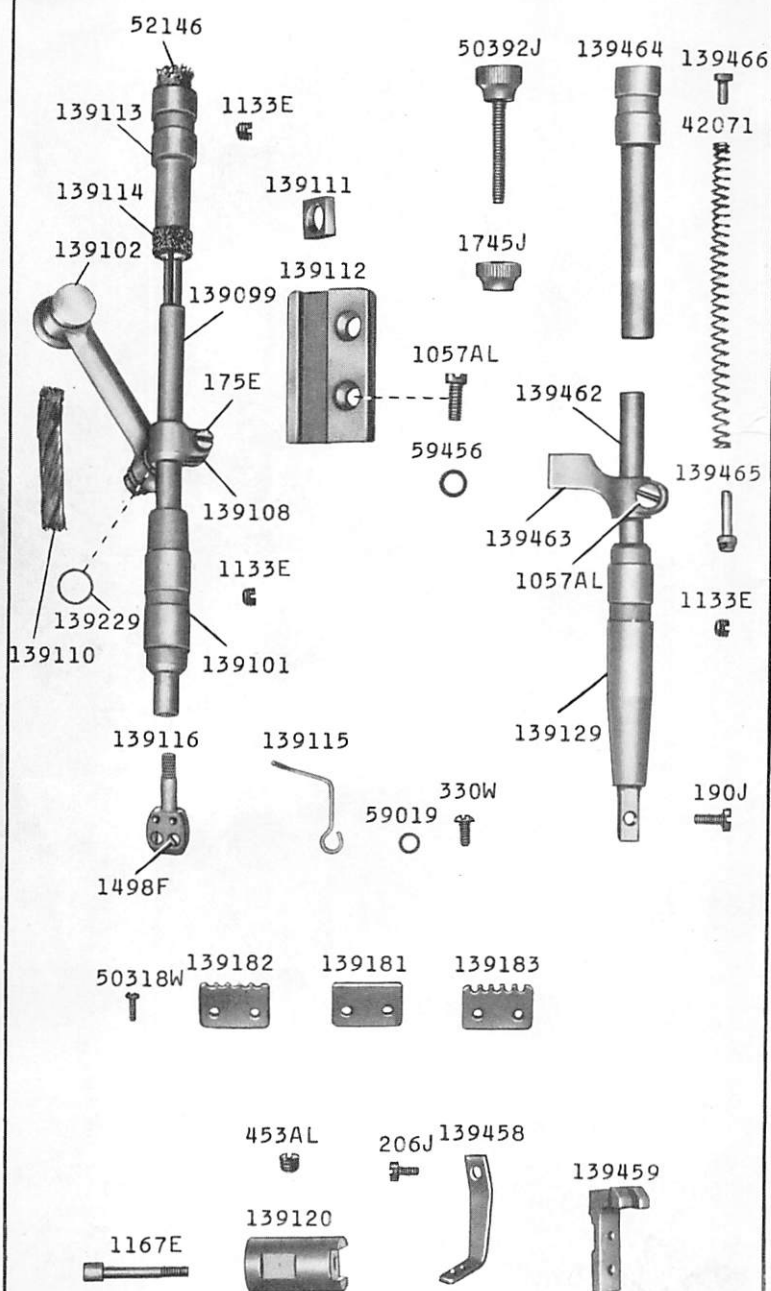
KEEP OIL TO
MARK ON GAUGE





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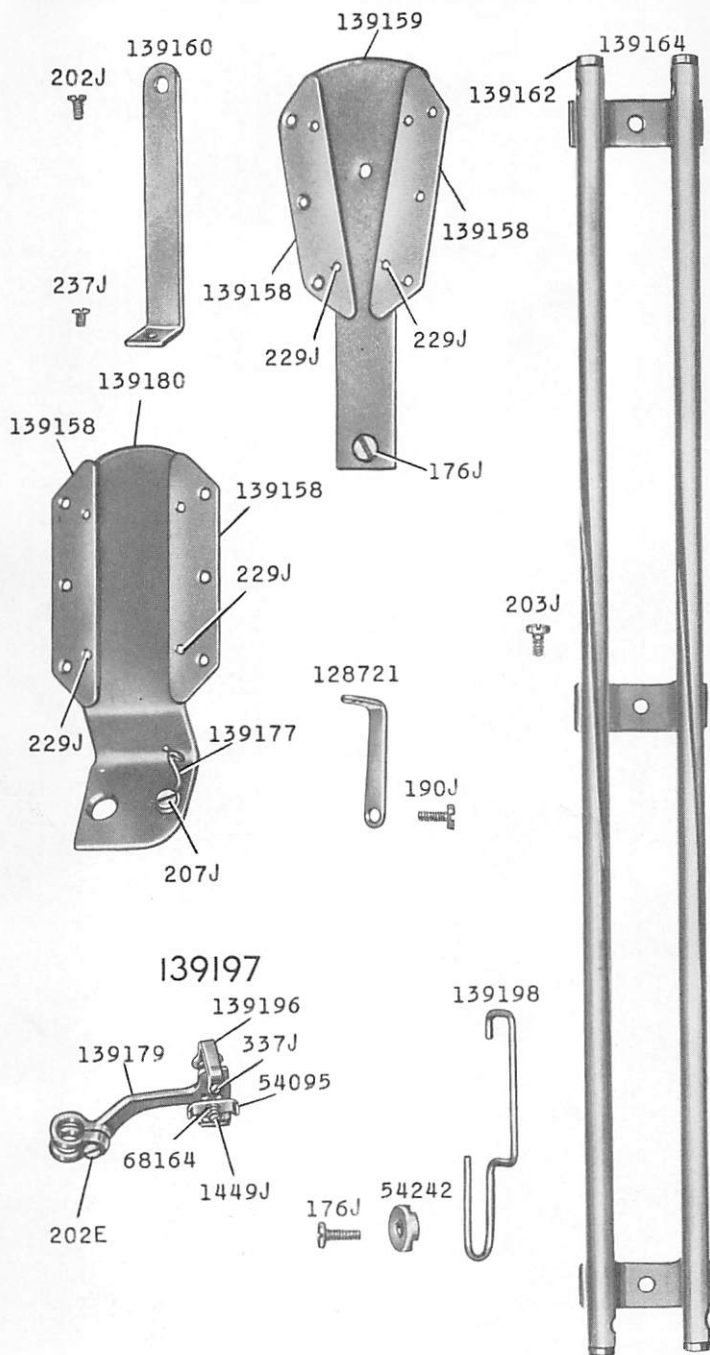
23117 - 1/2

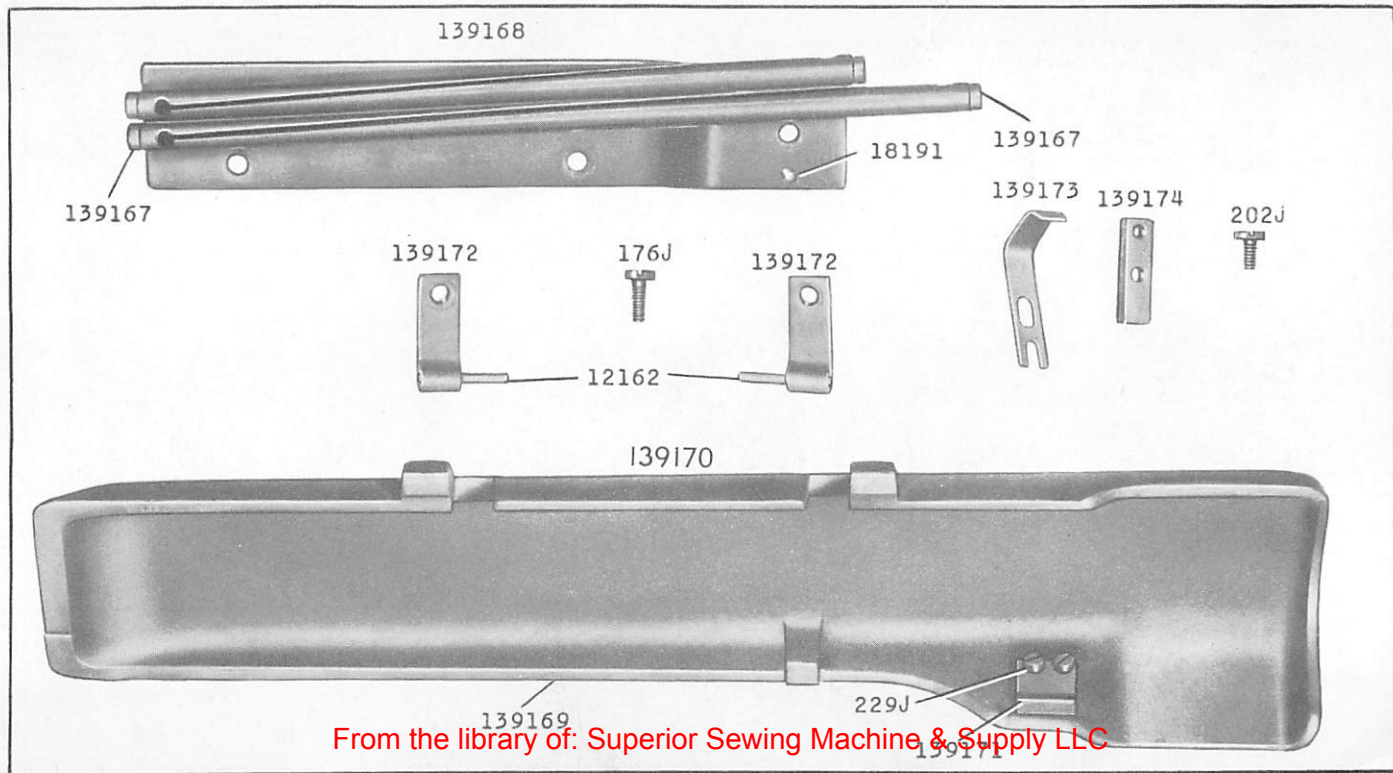


Exploded view diagram of a mechanical assembly, likely a control lever or linkage system. The main components are labeled as follows:

- Top Assembly:**
 - 376J (Screw)
 - 54070 (Main body)
 - 54071 (Pin)
 - 316C (Pin)
 - 1547J (Pin)
 - 624AL (Pin)
 - 54872 (Pin)
- Linkage Arm:**
 - 139143 (Linkage arm)
 - 110C (Pin)
 - 110C (Pin)
 - 139132 (Main lever arm)
 - 139133 (Pin)
 - 802D (Pin)
 - 807D (Pin)
 - 139131 (Pin)
- Base and Spring Components:**
 - 139278 (Bracket)
 - 1423J (Pin)
 - 139140 (Pin)
 - 42639 (Pin)
 - 59534 (Spring)
 - 139275 (Spring)
 - 430C (Pin)
 - 139276 (Pin)
 - 42727 (Pin)
 - 51486C (Pin)
- Right Side Components:**
 - 51570C (Pin)
 - 59537 (Pin)
 - 131741 (Spring)
 - 59538 (Pin)
 - 32572 (Pin)
 - 2102 (Pin)
 - 54988 (Pin)
 - 50326C (Pin)
 - 131696 (Pin)

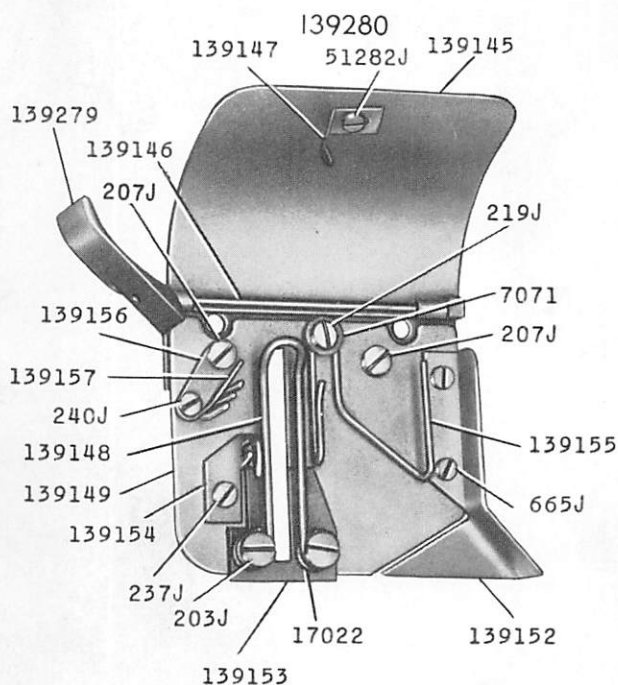
23119 - 1/2





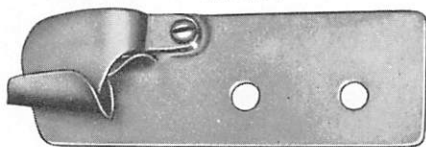
23121 - 2/3

175E



1443B

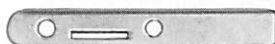
121757



121449

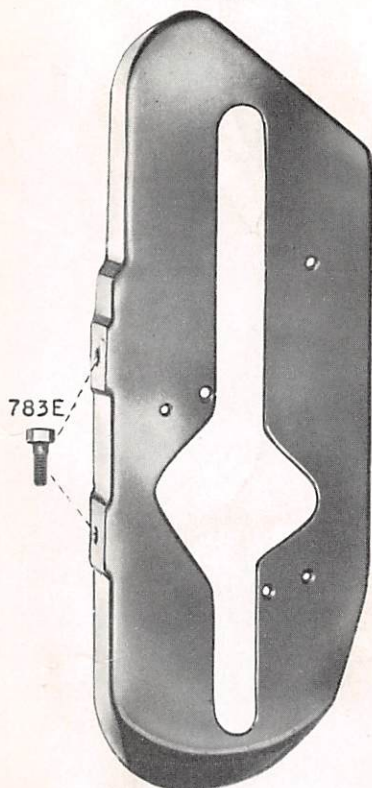


139461

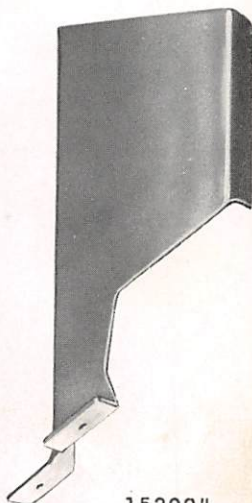


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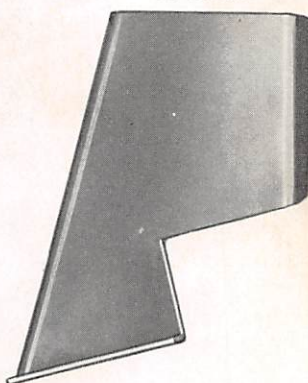
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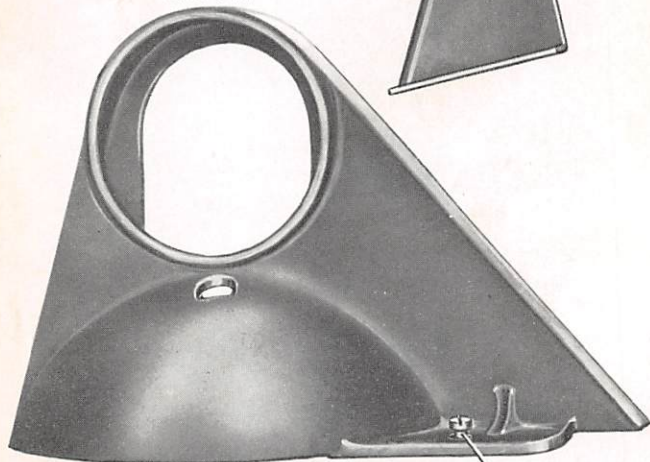
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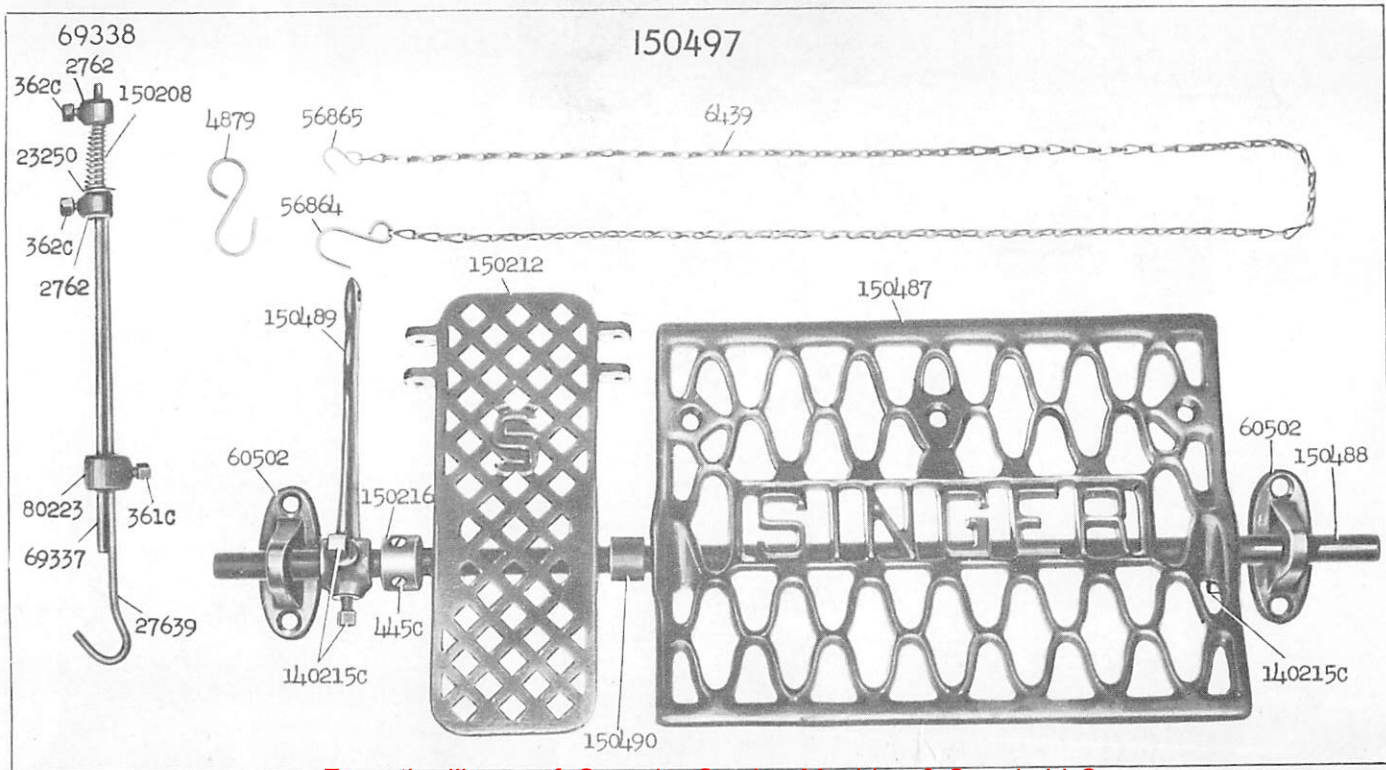
152004



139477



146R



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