

# LIST OF PARTS



MACHINES  
Nos. 176-31, 176-32  
and 176-33

\*\* A TRADE MARK OF  
THE SINGER MANUFACTURING COMPANY

## INSTRUCTIONS FOR OILING

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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 D" OIL, sold only by Singer Sewing Machine Company, should be applied at least twice each day to all oil holes marked "OIL," as instructed in Form 20155.

"TYPE D" OIL is stainless.

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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.

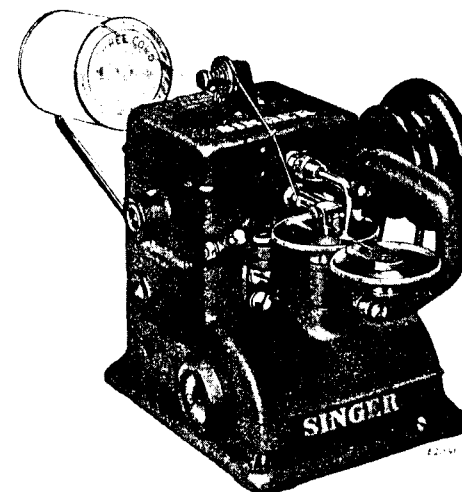
The figures in the second column refer only to the plates, illustrating the parts, and are **NOT TO BE USED** in ordering.

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

**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. 176-31

FOR LIGHT TO MEDIUM-HEAVY FUR WORK. LENGTH OF  
STITCH 8 TO 36 TO THE INCH. DISCS HAVE 1/8" WIDE  
TOOTHED FEED SURFACE. NEEDLE BAR STROKE 1". SPEED  
2400 R.P.M.

**SINGER** Needles should be used  
in **SINGER** Machines  
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Needles in Containers marked  
"FOR SINGER MACHINES"  
are NOT **SINGER** made needles. <sup>2</sup>

| No.     | Plate | Name                                                                                                   |
|---------|-------|--------------------------------------------------------------------------------------------------------|
| 176007  | 22659 | Feed Connection.....                                                                                   |
| 176243  |       | Feed Connection 176007 with 176244.....                                                                |
| 140079C | 22659 | Feed Connection Hinge Screw.....                                                                       |
| 176244  | 22659 | Feed Eccentric with two 1036AL.....                                                                    |
| 1036AL  | 22659 | Feed Eccentric Set Screw (2).....                                                                      |
| 176411  | 22662 | Feed Lever.....                                                                                        |
| 176412  |       | Feed Lever 176411 with 51663J, 176077 and 176290.....                                                  |
| 176011  | 22662 | Feeding Disc (back) with two 889AL (7/64 in. wide feeding surface) for regular work.....               |
|         |       | NOTE: No. 176011 is regularly furnished with this Machine.                                             |
| 176383  |       | Feeding Disc (back) with two 889AL (.025 in. wide feeding surface) for extra fine Ermine and Mink..... |
| 889AL   | 22662 | Feeding Disc (back) Set Screw (2).....                                                                 |
| 176012  | 22662 | Feeding Disc (back) Shaft.....                                                                         |
| 176249  | 22662 | Feeding Disc (back) Shaft Spacing Collar with two 50150AL.....                                         |
| 50150AL | 22662 | Feeding Disc (back) Shaft Spacing Collar Set Screw (2).....                                            |
| 176014  | 22662 | Feeding Disc (back) Worm Gear with two 889AL.....                                                      |
| 889AL   | 22662 | Feeding Disc (back) Worm Gear Set Screw (2).....                                                       |
| 176413  | 22662 | Feeding Disc (back) Worm Wheel with two 889AL.....                                                     |
| 144262  | 22662 | Feeding Disc (back) Worm Wheel Clutch (brake).....                                                     |
| 144263  |       | Feeding Disc (back) Worm Wheel Clutch (brake) 144262 with three 131726.....                            |

| No.     | Plate | Name                                                                                                                                                   |
|---------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| 140366C | 22662 | Feeding Disc (back) Worm Wheel Clutch (brake) Screw (3).                                                                                               |
| 144262  | 22662 | Feeding Disc (back) Worm Wheel Clutch (drive) .....                                                                                                    |
| 144263  | ..... | Feeding Disc (back) Worm Wheel Clutch (drive) 144262<br>with three 131726 .....                                                                        |
| 130X    | ..... | Feeding Disc (back) Worm Wheel Clutch Bracket Screw (2).                                                                                               |
| 144264  | 22662 | Feeding Disc (back) Worm Wheel Clutch Driving Arm .....                                                                                                |
| 176447  | 22662 | Feeding Disc (back) Worm Wheel Clutch Driving Arm<br>Retainer .....                                                                                    |
| 1722C   | 22662 | Feeding Disc (back) Worm Wheel Clutch Driving Arm<br>Retainer Nut .....                                                                                |
| 140489C | 22662 | Feeding Disc (back) Worm Wheel Clutch Driving Arm<br>Retainer Screw .....                                                                              |
| 67425   | 22662 | Feeding Disc (back) Worm Wheel Clutch Driving Arm<br>Retainer Screw Nut Lock Washer .....                                                              |
| 1255C   | 22662 | Feeding Disc (back) Worm Wheel Clutch Driving Arm<br>Screw (3) .....                                                                                   |
| 176415  | 22662 | Feeding Disc (back) Worm Wheel Clutch Driving Lever .....                                                                                              |
| 140398C | 22662 | Feeding Disc (back) Worm Wheel Clutch Driving Lever<br>Screw Stud .....                                                                                |
| 131717  | 22662 | Feeding Disc (back) Worm Wheel Clutch Roller (6) .....                                                                                                 |
| 68152   | 22662 | Feeding Disc (back) Worm Wheel Clutch Roller Plunger (6).                                                                                              |
| 131718  | 22662 | Feeding Disc (back) Worm Wheel Clutch Roller Plunger<br>Spring (6) .....                                                                               |
| 176416  | 22662 | Feeding Disc (back) Worm Wheel Clutch Shaft .....                                                                                                      |
| 144449  | 22662 | Feeding Disc (back) Worm Wheel Clutch Sleeve with two<br>140409C .....                                                                                 |
| 140409C | 22662 | Feeding Disc (back) Worm Wheel Clutch Sleeve Set Screw<br>(2) .....                                                                                    |
| 131726  | 22662 | Feeding Disc (back) Worm Wheel Clutch Wearing Plate (6)                                                                                                |
| 889AL   | 22662 | Feeding Disc (back) Worm Wheel Set Screw (2) .....                                                                                                     |
| 176436  | ..... | Feeding Disc (back) Worm Wheel Clutch complete, Nos.<br>144264, 144449, 176416, two 144263, three 1255C and<br>six each 68152, 131717 and 131718 ..... |
| 176028  | 22664 | Feeding Disc (front) 7/64 in. wide feeding surface .....                                                                                               |
| 176221  | 22664 | Feeding Disc (front) 176028 with 50128F, 176037, 176287<br>and twelve 176038, for regular work .....                                                   |
|         |       | NOTE: No. 176221 is regularly furnished with this Machine.                                                                                             |
| 176384  | ..... | Feeding Disc (front) .025 in. feeding surface .....                                                                                                    |
| 176400  | ..... | Feeding Disc (front) 176384 with 50128F, 176037, 176401<br>and twelve 176038, for extra fine Ermine and Mink .....                                     |
| 176030  | 22664 | Feeding Disc (front) Arm with 1396AL and two 176036 .....                                                                                              |
| 176417  | 22664 | Feeding Disc (front) Arm Bell Crank .....                                                                                                              |
| 176257  | 22664 | Feeding Disc (front) Arm Bell Crank Shaft .....                                                                                                        |
| 1149AL  | 22664 | Feeding Disc (front) Arm Bell Crank Shaft Set Screw .....                                                                                              |
| 176033  | 22664 | Feeding Disc (front) Arm Pressure Spring .....                                                                                                         |
| 140087E | 22664 | Feeding Disc (front) Arm Pressure Spring Screw .....                                                                                                   |
| 1714E   | 22664 | Feeding Disc (front) Arm Pressure Spring Screw Nut .....                                                                                               |
| 176036  | 22664 | Feeding Disc (front) Arm Shaft Pin (2) .....                                                                                                           |
| 176037  | 22664 | Feeding Disc (front) Bearing Screw Stud .....                                                                                                          |
| 1396AL  | 22664 | Feeding Disc (front) Bearing Screw Stud Clamping Screw .....                                                                                           |
| 176038  | 22664 | Feeding Disc (front) Roller (12) .....                                                                                                                 |
| *176418 | ..... | Head of Machine with 176261 and two each 130X and<br>176009 .....                                                                                      |
| 176419  | 22667 | Head of Machine Front Cover .....                                                                                                                      |
| 176260  | 22667 | Head of Machine Front Cover Lock Stud (2) .....                                                                                                        |
| 176261  | 22669 | Head of Machine Oil Wick for oiling Looper Driving Shaft<br>Frame (front) Bearing .....                                                                |
| 176338  | 22667 | Head of Machine Top Cover with 58549 and two 176045 .....                                                                                              |
| 58549   | 22667 | Head of Machine Top Cover Oil Tube with 52045 .....                                                                                                    |
| 52045   | 22667 | Head of Machine Top Cover Oil Tube Packing .....                                                                                                       |
| 176009  | 22667 | Head of Machine Top Cover Steady Pin (2) .....                                                                                                         |
| 176045  | 22667 | Head of Machine Top Cover Thread Eyelet (2) .....                                                                                                      |
| 176388  | 22669 | Looper .....                                                                                                                                           |

| No.      | Plate | Name                                                                                                                                    |
|----------|-------|-----------------------------------------------------------------------------------------------------------------------------------------|
| 176368   | 22669 | Looper Clamping Nut .....                                                                                                               |
| 176262   | 22659 | Looper Driving Eccentric .....                                                                                                          |
| 176263   | 22659 | Looper Driving Eccentric Position Pin .....                                                                                             |
| 898AL    | 22659 | Looper Driving Eccentric Screw .....                                                                                                    |
| 176264   | 22659 | Looper Driving Eccentric Sleeve .....                                                                                                   |
| 176336   | ..... | Looper Driving Eccentric Sleeve 176264 with 176262 .....                                                                                |
| 176265   | 22669 | Looper Driving Eccentric Sleeve Position Plate .....                                                                                    |
| 1329E    | 22669 | Looper Driving Eccentric Sleeve Position Plate Screw (2) .....                                                                          |
| 176360   | 22669 | Looper Driving Shaft .....                                                                                                              |
| 176266   | 22669 | Looper Driving Shaft Frame with 176265 and two each<br>1329E and 176306 .....                                                           |
| 176362   | ..... | Looper Driving Shaft Frame 176266 with 176336, 176360,<br>176361 and 176368 .....                                                       |
| 176363   | ..... | Looper Driving Shaft Frame 176362 with 176271 .....                                                                                     |
| 176269   | 22669 | Looper Driving Shaft Frame Crank with 42639 .....                                                                                       |
| 176270   | ..... | Looper Driving Shaft Frame Crank 176269 with 602J and<br>176274 .....                                                                   |
| 176271   | ..... | Looper Driving Shaft Frame Crank 176270 with 38635,<br>51669J and 176273 .....                                                          |
| 176273   | 22669 | Looper Driving Shaft Frame Crank Hinge Bracket Holder<br>complete, Nos. 127848 and 140227J .....                                        |
| 140227J  | 22669 | Looper Driving Shaft Frame Crank Hinge Bracket Holder<br>Screw .....                                                                    |
| 127848   | 22669 | Looper Driving Shaft Frame Crank Hinge Bracket Oil Cup .....                                                                            |
| 140227J  | 22669 | Looper Driving Shaft Frame Crank Hinge Bracket Screw (2) .....                                                                          |
| 51669J   | 22669 | Looper Driving Shaft Frame Crank Nut .....                                                                                              |
| 38635    | 22669 | Looper Driving Shaft Frame Crank Nut Washer .....                                                                                       |
| 176274   | 22669 | Looper Driving Shaft Frame Crank Wearing Sleeve (.3125<br>in. diam.) .....                                                              |
| 176275   | ..... | Looper Driving Shaft Frame Crank Wearing Sleeve (.313<br>in. diam.) .....                                                               |
| 176276   | ..... | Looper Driving Shaft Frame Crank Wearing Sleeve (.3135<br>in. diam.) .....                                                              |
| 176277   | ..... | Looper Driving Shaft Frame Crank Wearing Sleeve (.314<br>in. diam.) .....                                                               |
| 176278   | ..... | Looper Driving Shaft Frame Crank Wearing Sleeve (.3145<br>in. diam.) .....                                                              |
| 176279   | ..... | Looper Driving Shaft Frame Crank Wearing Sleeve (.315<br>in. diam.) .....                                                               |
| 602J     | 22669 | NOTE: Nos. 176275 to 176279 are to be furnished for repairs only.<br>Looper Driving Shaft Frame Crank Wearing Sleeve Cap<br>Screw ..... |
| 42639    | 22669 | Looper Driving Shaft Frame Crank Wearing Sleeve Position<br>Pin .....                                                                   |
| 176057   | 22669 | Looper Driving Shaft Frame Hinge Screw Stud .....                                                                                       |
| 51669J   | 22669 | Looper Driving Shaft Frame Hinge Screw Stud Nut .....                                                                                   |
| 176306   | 22669 | Looper Driving Shaft Frame Oil Wick for Oiling Looper<br>Driving Eccentric (2) .....                                                    |
| 176280   | 22659 | Looper Oscillating Cam with 176263 and two 140183AL .....                                                                               |
| 176282   | ..... | Looper Oscillating Cam 176280 with 176005 and two 160E .....                                                                            |
| 140183AL | 22659 | Looper Oscillating Cam Set Screw (2) .....                                                                                              |
| 176361   | 22669 | Looper Oscillating Crank with 176E and two 50379C .....                                                                                 |
| 176062   | 22669 | Looper Oscillating Crank Ball .....                                                                                                     |
| 176234   | ..... | Looper Oscillating Crank Ball 176062 with 176340 .....                                                                                  |
| 176340   | 22669 | Looper Oscillating Crank Ball Stud .....                                                                                                |
| 175E     | 22669 | Looper Oscillating Crank Ball Stud Clamping Screw .....                                                                                 |
| 50379C   | 22669 | Looper Oscillating Crank Set Screw (2) .....                                                                                            |
| 176356   | 22659 | Machine Driving Pulley "V" belt groove (outside diam. of<br>belt groove 2.9 in.) with 435AL .....                                       |
| 435AL    | 22659 | Machine Driving Pulley Set Screw .....                                                                                                  |
| 176238   | 22659 | Machine Driving Pulley Shaft .....                                                                                                      |
| 176239   | 22659 | Machine Driving Pulley Shaft Bushing (left) .....                                                                                       |
| 176240   | 22659 | Machine Driving Pulley Shaft Bushing (left) Oil Pad (felt) .....                                                                        |

| No.     | Plate | Name                                                                                                   |
|---------|-------|--------------------------------------------------------------------------------------------------------|
| 140225C | 22659 | Machine Driving Pulley Shaft Bushing (left) Set Screw.....                                             |
| 176241  | 22659 | Machine Driving Pulley Shaft Bushing (right).....                                                      |
| 176242  | 22659 | Machine Driving Pulley Shaft Bushing (right) Oil Pad (felt).....                                       |
| 140225C | 22659 | Machine Driving Pulley Shaft Bushing (right) Set Screw.....                                            |
| 176005  | 22659 | Machine Driving Pulley Shaft Counterbalance.....                                                       |
| 160E    | 22659 | Machine Driving Pulley Shaft Counterbalance Screw (2).....                                             |
| 176006  | 22659 | Machine Driving Pulley Washer (felt).....                                                              |
| 176050  | 22669 | Needle Bar (hollow).....                                                                               |
| 176065  | ..... | Needle Bar 176050 with 176075.....                                                                     |
| 176066  | ..... | Needle Bar complete, Nos. 140082F, 140083F, 140084F,<br>176065, 176070, 176071, 176073 and 176074..... |
| 176067  | 22669 | Needle Bar Bushing with 176101.....                                                                    |
| 51662C  | 22669 | Needle Bar Bushing Lock Nut.....                                                                       |
| 176101  | 22669 | Needle Bar Bushing Steady Pin.....                                                                     |
| 176284  | 22669 | Needle Bar Connection with two 171AL.....                                                              |
| 171AL   | 22669 | Needle Bar Connection Clamping Screw (2).....                                                          |
| 176285  | 22669 | Needle Bar Connection Guide Rod.....                                                                   |
| 624AL   | 22669 | Needle Bar Connection Guide Rod Set Screw.....                                                         |
| 176286  | 22659 | Needle Bar Eccentric with two 1036AL.....                                                              |
| 1036AL  | 22659 | Needle Bar Eccentric Set Screw (2).....                                                                |
| 176070  | 22669 | Needle Bar Thread Guide.....                                                                           |
| 140082F | 22669 | Needle Bar Thread Guide Screw.....                                                                     |
| 140083F | 22669 | Needle Bar Thread Nipper Screw.....                                                                    |
| 176071  | 22669 | Needle Bar Thread Nipper Screw Bushing.....                                                            |
| 176072  | 22669 | Needle Bar Thread Nipper Slide Rod.....                                                                |
| 50421AL | 22669 | Needle Bar Thread Nipper Slide Rod Set Screw.....                                                      |
| 176073  | 22669 | Needle Bar Thread Nipper Spring.....                                                                   |
| 176074  | 22669 | Needle Clamp.....                                                                                      |
| 140084F | 22669 | Needle Clamp Screw.....                                                                                |
| 176075  | 22669 | Needle Clamp Steady Pin.....                                                                           |
| 176287  | 22664 | Needle Guide for regular work.....                                                                     |
| 176401  | ..... | Needle Guide for Ermine and Mink.....                                                                  |
| 50128F  | 22664 | Needle Guide Screw.....                                                                                |
| 176077  | 22662 | Stitch Indicator.....                                                                                  |
| 176435  | 22662 | Stitch Regulating Screw Stud.....                                                                      |
| 176290  | ..... | Stitch Regulating Screw Stud 176435 with 1650C, 176082<br>and 176291.....                              |
| 1650C   | 22662 | Stitch Regulating Screw Stud Nut.....                                                                  |
| 176291  | 22662 | Stitch Regulating Screw Stud Slide Block.....                                                          |
| 51663J  | 22662 | Stitch Regulating Screw Stud Thumb Nut.....                                                            |
| 176082  | 22662 | Stitch Regulating Screw Stud Washer.....                                                               |
| 2102    | 22667 | Tension Disc (2).....                                                                                  |
| 1560C   | 22667 | Tension Regulating Thumb Nut.....                                                                      |
| 633C    | 22667 | Tension Screw Stud.....                                                                                |
| 58592   | ..... | Tension Screw Stud 633C with 1560C.....                                                                |
| 176084  | 22667 | Tension Spring.....                                                                                    |
| 176085  | 22667 | Tension complete, Nos. 58592, 176084 and two 2102.....                                                 |
| 176086  | ..... | Work Guide.....                                                                                        |
| 440AL   | ..... | Work Guide Set Screw.....                                                                              |

## LIST OF PARTS COMPLETE

FOR

## MACHINE No. 176-32

FOR MEDIUM-HEAVY FUR WORK. ALSO USED FOR CLOS-  
ING AND SLEEVE OPERATIONS. LENGTH OF STITCH 8  
TO 36 TO THE INCH. DISCS HAVE 1/8" WIDE TOOTHED  
FEED SURFACE. NEEDLE BAR STROKE 1 1/8". SPEED 2000  
R.P.M.

| No.     | Plate | Name                                                                                        |
|---------|-------|---------------------------------------------------------------------------------------------|
| 176007  | 22660 | Feed Connection.....                                                                        |
| 176243  | ..... | Feed Connection 176007 with 176244.....                                                     |
| 140079C | 22660 | Feed Connection Hinge Screw.....                                                            |
| 176244  | 22660 | Feed Eccentric with two 1036AL.....                                                         |
| 1036AL  | 22660 | Feed Eccentric Set Screw (2).....                                                           |
| 176411  | 22662 | Feed Lever.....                                                                             |
| 176412  | ..... | Feed Lever 176411 with 51663J, 176077 and 176290.....                                       |
| 176011  | 22662 | Feeding Disc (back) with two 889AL (7/64 in. wide feeding<br>surface) for regular work..... |
| 889AL   | 22662 | Feeding Disc (back) Set Screw (2).....                                                      |
| 176012  | 22662 | Feeding Disc (back) Shaft.....                                                              |
| 176249  | 22662 | Feeding Disc (back) Shaft Spacing Collar with two<br>50150AL.....                           |
| 50150AL | 22662 | Feeding Disc (back) Shaft Spacing Collar Set Screw (2).....                                 |
| 176014  | 22662 | Feeding Disc (back) Worm Gear with two 889AL.....                                           |
| 889AL   | 22662 | Feeding Disc (back) Worm Gear Set Screw (2).....                                            |
| 176413  | 22662 | Feeding Disc (back) Worm Wheel with two 889AL.....                                          |
| 144262  | 22662 | Feeding Disc (back) Worm Wheel Clutch (brake).....                                          |
| 144263  | ..... | Feeding Disc (back) Worm Wheel Clutch (brake) 144262<br>with three 131726.....              |
| 140366C | 22662 | Feeding Disc (back) Worm Wheel Clutch (brake) Screw (3).....                                |
| 144262  | 22662 | Feeding Disc (back) Worm Wheel Clutch (drive).....                                          |
| 144263  | ..... | Feeding Disc (back) Worm Wheel Clutch (drive) 144262<br>with three 131726.....              |
| 130X    | ..... | Feeding Disc (back) Worm Wheel Clutch Bracket Screw.....                                    |
| 144264  | 22662 | Feeding Disc (back) Worm Wheel Clutch Driving Arm.....                                      |
| 176447  | 22662 | Feeding Disc (back) Worm Wheel Clutch Driving Arm<br>Retainer.....                          |
| 1722C   | 22662 | Feeding Disc (back) Worm Wheel Clutch Driving Arm<br>Retainer Nut.....                      |
| 140489C | 22662 | Feeding Disc (back) Worm Wheel Clutch Driving Arm<br>Retainer Screw.....                    |
| 67425   | 22662 | Feeding Disc (back) Worm Wheel Clutch Driving Arm<br>Retainer Screw Nut Lock Washer.....    |
| 1255C   | 22662 | Feeding Disc (back) Worm Wheel Clutch Driving Arm<br>Screw (3).....                         |
| 176415  | 22662 | Feeding Disc (back) Worm Wheel Clutch Driving Lever.....                                    |
| 140398C | 22662 | Feeding Disc (back) Worm Wheel Clutch Driving Lever<br>Screw Stud.....                      |
| 131717  | 22662 | Feeding Disc (back) Worm Wheel Clutch Roller (6).....                                       |
| 68152   | 22662 | Feeding Disc (back) Worm Wheel Clutch Roller Plunger (6).....                               |
| 131718  | 22662 | Feeding Disc (back) Worm Wheel Clutch Roller Plunger<br>Spring (6).....                     |
| 176416  | 22662 | Feeding Disc (back) Worm Wheel Clutch Shaft.....                                            |
| 144449  | 22662 | Feeding Disc (back) Worm Wheel Clutch Sleeve with two<br>140409C.....                       |

| No.     | Plate | Name                                                                                                                                       |
|---------|-------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 140409C | 22662 | Feeding Disc (back) Worm Wheel Clutch Sleeve Set Screw (2)                                                                                 |
| 131726  | 22662 | Feeding Disc (back) Worm Wheel Clutch Wearing Plate (6)                                                                                    |
| 889AL   | 22662 | Feeding Disc (back) Worm Wheel Set Screw (2)                                                                                               |
| 176436  |       | Feeding Disc (back) Worm Wheel Clutch complete, Nos. 144264, 144449, 176416, two 144263, three 1255C and six each 68152, 131717 and 131718 |
| 176028  | 22665 | Feeding Disc (front) 7/64 in. wide feeding surface                                                                                         |
| 176223  | 22665 | Feeding Disc (front) 176028 with 50128F, 176037, 176304 and twelve 176038, for regular work                                                |
| 176030  | 22665 | Feeding Disc (front) Arm with 1396AL and two 176036                                                                                        |
| 176417  | 22665 | Feeding Disc (front) Arm Bell Crank                                                                                                        |
| 176257  | 22665 | Feeding Disc (front) Arm Bell Crank Shaft                                                                                                  |
| 1149AL  | 22665 | Feeding Disc (front) Arm Bell Crank Shaft Set Screw                                                                                        |
| 176033  | 22665 | Feeding Disc (front) Arm Pressure Spring                                                                                                   |
| 140087E | 22665 | Feeding Disc (front) Arm Pressure Spring Screw                                                                                             |
| 1714E   | 22665 | Feeding Disc (front) Arm Pressure Spring Screw Nut                                                                                         |
| 176036  | 22665 | Feeding Disc (front) Arm Shaft Pin (2)                                                                                                     |
| 176037  | 22665 | Feeding Disc (front) Bearing Screw Stud                                                                                                    |
| 1396AL  | 22665 | Feeding Disc (front) Bearing Screw Stud Clamping Screw                                                                                     |
| 176038  | 22665 | Feeding Disc (front) Roller (12)                                                                                                           |
| *176420 |       | Head of Machine with 176261 and two each 130X and 176009                                                                                   |
| 176419  | 22667 | Head of Machine Front Cover                                                                                                                |
| 176260  | 22667 | Head of Machine Front Cover Lock Stud (2)                                                                                                  |
| 176261  | 22670 | Head of Machine Oil Wick for oiling Looper Driving Shaft Frame (front) Bearing                                                             |
| 176338  | 22667 | Head of Machine Top Cover with 58549 and two 176045                                                                                        |
| 58549   | 22667 | Head of Machine Top Cover Oil Tube with 52045                                                                                              |
| 52045   | 22667 | Head of Machine Top Cover Oil Tube Packing                                                                                                 |
| 176009  | 22667 | Head of Machine Top Cover Steady Pin (2)                                                                                                   |
| 176045  | 22667 | Head of Machine Top Cover Thread Eyelet (2)                                                                                                |
| 176209  | 22670 | Looper                                                                                                                                     |
| 176368  | 22670 | Looper Clamping Nut                                                                                                                        |
| 176262  | 22660 | Looper Driving Eccentric                                                                                                                   |
| 176263  | 22660 | Looper Driving Eccentric Position Pin                                                                                                      |
| 898AL   | 22660 | Looper Driving Eccentric Screw                                                                                                             |
| 176264  | 22660 | Looper Driving Eccentric Sleeve                                                                                                            |
| 176336  | 22670 | Looper Driving Eccentric Sleeve 176264 with 176262                                                                                         |
| 176265  | 22670 | Looper Driving Eccentric Sleeve Position Plate                                                                                             |
| 1329E   | 22670 | Looper Driving Eccentric Sleeve Position Plate Screw (2)                                                                                   |
| 176360  | 22670 | Looper Driving Shaft                                                                                                                       |
| 176295  | 22670 | Looper Driving Shaft Frame with 176265 and two each 1329E and 176306                                                                       |
| 176364  |       | Looper Driving Shaft Frame 176295 with 176336, 176360, 176361 and 176368                                                                   |
| 176365  |       | Looper Driving Shaft Frame 176364 with 176271 and 176298                                                                                   |
| 176269  | 22670 | Looper Driving Shaft Frame Crank (back) with 42639                                                                                         |
| 176270  |       | Looper Driving Shaft Frame Crank (back) 176269 with 602J and 176274                                                                        |
| 176298  |       | Looper Driving Shaft Frame Crank (back) 176270 with 38635, 51669J and 176299                                                               |
| 176299  | 22670 | Looper Driving Shaft Frame Crank (back) Hinge Bracket Holder complete, Nos. 127848 and 140227J                                             |
| 140227J | 22670 | Looper Driving Shaft Frame Crank (back) Hinge Bracket Holder Screw                                                                         |
| 127848  | 22670 | Looper Driving Shaft Frame Crank (back) Hinge Bracket Oil Cup                                                                              |
| 140227J | 22670 | Looper Driving Shaft Frame Crank (back) Hinge Bracket Screw (2)                                                                            |
| 176269  | 22670 | Looper Driving Shaft Frame Crank (front) with 42639                                                                                        |
| 176270  |       | Looper Driving Shaft Frame Crank (front) 176269 with 602J and 176274                                                                       |

| No.      | Plate | Name                                                                                                                            |
|----------|-------|---------------------------------------------------------------------------------------------------------------------------------|
| 176271   |       | Looper Driving Shaft Frame Crank (front) 176270 with 38635, 51669J and 176273                                                   |
| 176273   | 22670 | Looper Driving Shaft Frame Crank (front) Hinge Bracket Holder complete, Nos. 127848 and 140227J                                 |
| 140227J  | 22670 | Looper Driving Shaft Frame Crank (front) Hinge Bracket Holder Screw                                                             |
| 127848   | 22670 | Looper Driving Shaft Frame Crank (front) Hinge Bracket Oil Cup                                                                  |
| 140227J  | 22670 | Looper Driving Shaft Frame Crank (front) Hinge Bracket Screw (2)                                                                |
| 51669J   | 22670 | Looper Driving Shaft Frame Crank Nut (2)                                                                                        |
| 38635    | 22670 | Looper Driving Shaft Frame Crank Nut Washer (2)                                                                                 |
| 176274   | 22670 | Looper Driving Shaft Frame Crank Wearing Sleeve (.3125 in. diam.) (2)                                                           |
| 176275   |       | Looper Driving Shaft Frame Crank Wearing Sleeve (.313 in. diam.)                                                                |
| 176276   |       | Looper Driving Shaft Frame Crank Wearing Sleeve (.3135 in. diam.)                                                               |
| 176277   |       | Looper Driving Shaft Frame Crank Wearing Sleeve (.314 in. diam.)                                                                |
| 176278   |       | Looper Driving Shaft Frame Crank Wearing Sleeve (.3145 in. diam.)                                                               |
| 176279   |       | Looper Driving Shaft Frame Crank Wearing Sleeve (.315 in. diam.)                                                                |
| 602J     | 22670 | NOTE: Nos. 176275 to 176279 are to be furnished for repairs only. Looper Driving Shaft Frame Crank Wearing Sleeve Cap Screw (2) |
| 42639    | 22670 | Looper Driving Shaft Frame Crank Wearing Sleeve Position Pin (2)                                                                |
| 176306   | 22670 | Looper Driving Shaft Frame Oil Wick for Oiling Looper Driving Eccentric (2)                                                     |
| 176300   | 22660 | Looper Oscillating Cam with 176263 and two 140183AL                                                                             |
| 176302   |       | Looper Oscillating Cam 176300 with 176005 and two 160E                                                                          |
| 140183AL | 22660 | Looper Oscillating Cam Set Screw (2)                                                                                            |
| 176361   | 22670 | Looper Oscillating Crank with 175E and two 50379C                                                                               |
| 176062   | 22670 | Looper Oscillating Crank Ball                                                                                                   |
| 176234   |       | Looper Oscillating Crank Ball 176062 with 176340                                                                                |
| 176340   | 22670 | Looper Oscillating Crank Ball Stud                                                                                              |
| 175E     | 22670 | Looper Oscillating Crank Ball Stud Clamping Screw                                                                               |
| 50379C   | 22670 | Looper Oscillating Crank Set Screw (2)                                                                                          |
| 176356   | 22660 | Machine Driving Pulley, "V" belt groove (outside diam. of belt groove 2.9 in.) with 435AL                                       |
| 435AL    | 22660 | Machine Driving Pulley Set Screw                                                                                                |
| 176238   | 22660 | Machine Driving Pulley Shaft                                                                                                    |
| 176239   | 22660 | Machine Driving Pulley Shaft Bushing (left)                                                                                     |
| 176240   | 22660 | Machine Driving Pulley Shaft Bushing (left) Oil Pad (felt)                                                                      |
| 140225C  | 22660 | Machine Driving Pulley Shaft Bushing (left) Set Screw                                                                           |
| 176241   | 22660 | Machine Driving Pulley Shaft Bushing (right)                                                                                    |
| 176242   | 22660 | Machine Driving Pulley Shaft Bushing (right) Oil Pad (felt)                                                                     |
| 140225C  | 22660 | Machine Driving Pulley Shaft Bushing (right) Set Screw                                                                          |
| 176005   | 22660 | Machine Driving Pulley Shaft Counterbalance                                                                                     |
| 160E     | 22660 | Machine Driving Pulley Shaft Counterbalance Screw (2)                                                                           |
| 176006   | 22660 | Machine Driving Pulley Washer (felt)                                                                                            |
| 176050   | 22670 | Needle Bar (hollow)                                                                                                             |
| 176216   |       | Needle Bar 176050 with 176075                                                                                                   |
| 176217   |       | Needle Bar complete, Nos. 140082F, 140083F, 140084F, 176070, 176071, 176073, 176074 and 176216                                  |
| 176067   | 22670 | Needle Bar Bushing with 176101                                                                                                  |
| 51662C   | 22670 | Needle Bar Bushing Lock Nut                                                                                                     |
| 176101   | 22670 | Needle Bar Bushing Steady Pin                                                                                                   |
| 176284   | 22670 | Needle Bar Connection with two 171AL                                                                                            |
| 171AL    | 22670 | Needle Bar Connection Clamping Screw (2)                                                                                        |
| 176285   | 22670 | Needle Bar Connection Guide Rod                                                                                                 |
| 624AL    | 22670 | Needle Bar Connection Guide Rod Set Screw                                                                                       |

| No.     | Plate | Name                                                              |
|---------|-------|-------------------------------------------------------------------|
| 176303  | 22660 | Needle Bar Eccentric with two 1036AL                              |
| 1036AL  | 22660 | Needle Bar Eccentric Set Screw (2)                                |
| 176070  | 22670 | Needle Bar Thread Guide                                           |
| 140082F | 22670 | Needle Bar Thread Guide Screw                                     |
| 140083F | 22670 | Needle Bar Thread Nipper Screw                                    |
| 176071  | 22670 | Needle Bar Thread Nipper Screw Bushing                            |
| 176213  | 22670 | Needle Bar Thread Nipper Slide Rod                                |
| 50421AL | 22670 | Needle Bar Thread Nipper Slide Rod Set Screw                      |
| 176073  | 22670 | Needle Bar Thread Nipper Spring                                   |
| 176074  | 22670 | Needle Clamp                                                      |
| 140084F | 22670 | Needle Clamp Screw                                                |
| 176075  | 22670 | Needle Clamp Steady Pin                                           |
| 176304  | 22665 | Needle Guide for regular work                                     |
| 50128F  | 22665 | Needle Guide Screw                                                |
| 176077  | 22662 | Stitch Indicator                                                  |
| 176435  | 22662 | Stitch Regulating Screw Stud                                      |
| 176290  | 22662 | Stitch Regulating Screw Stud 176435 with 1650C, 176082 and 176291 |
| 1650C   | 22662 | Stitch Regulating Screw Stud Nut                                  |
| 176291  | 22662 | Stitch Regulating Screw Stud Slide Block                          |
| 51663J  | 22662 | Stitch Regulating Screw Stud Thumb Nut                            |
| 176082  | 22662 | Stitch Regulating Screw Stud Washer                               |
| 2102    | 22667 | Tension Disc (2)                                                  |
| 1560C   | 22667 | Tension Regulating Thumb Nut                                      |
| 633C    | 22667 | Tension Screw Stud                                                |
| 58592   | 22667 | Tension Screw Stud 633C with 1560C                                |
| 176084  | 22667 | Tension Spring                                                    |
| 176085  | 22667 | Tension complete, Nos. 58592, 176084 and two 2102                 |
| 176086  | 22667 | Work Guide                                                        |
| 440AL   | 22667 | Work Guide Set Screw                                              |

**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. 176-33

FOR HEAVY FUR WORK. LENGTH OF STITCH 4 TO 10  
TO THE INCH. DISCS HAVE 5/32" WIDE TOOTHED FEED  
SURFACE. NEEDLE BAR STROKE 1 3/8". SPEED 1500  
R.P.M.

| No.      | Plate | Name                                                                             |
|----------|-------|----------------------------------------------------------------------------------|
| 176108   | 22661 | Feed Connection                                                                  |
| 176322   | 22661 | Feed Connection 176108 with 176109                                               |
| 140086C  | 22661 | Feed Connection Hinge Screw                                                      |
| 176109   | 22661 | Feed Eccentric with 889AL                                                        |
| 176110   | 22661 | Feed Eccentric Pin                                                               |
| 889AL    | 22661 | Feed Eccentric Set Screw                                                         |
| 176423   | 22663 | Feed Lever                                                                       |
| 176424   | 22663 | Feed Lever 176423 with 1684C, 51666J, 176176, 176181, 176182 and 176344          |
| 176112   | 22663 | Feeding Disc (back) with two 445C                                                |
| 445C     | 22663 | Feeding Disc (back) Set Screw (2)                                                |
| 176113   | 22663 | Feeding Disc (back) Shaft                                                        |
| 176114   | 22663 | Feeding Disc (back) Shaft Reinforcing Sleeve with two 445C                       |
| 445C     | 22663 | Feeding Disc (back) Shaft Reinforcing Sleeve Set Screw (2)                       |
| 176150   | 22663 | Feeding Disc (back) Worm Gear with two 445C                                      |
| 445C     | 22663 | Feeding Disc (back) Worm Gear Set Screw (2)                                      |
| 176448   | 22663 | Feeding Disc (back) Worm Wheel with two 889AL                                    |
| 144262   | 22663 | Feeding Disc (back) Worm Wheel Clutch (brake)                                    |
| 144263   | 22663 | Feeding Disc (back) Worm Wheel Clutch (brake) 144262 with three 131726           |
| 144262   | 22663 | Feeding Disc (back) Worm Wheel Clutch (drive)                                    |
| 144263   | 22663 | Feeding Disc (back) Worm Wheel Clutch (drive) 144262 with three 131726           |
| 144264   | 22663 | Feeding Disc (back) Worm Wheel Clutch Driving Arm (left)                         |
| 176426   | 22663 | Feeding Disc (back) Worm Wheel Clutch Driving Arm (right)                        |
| 176447   | 22663 | Feeding Disc (back) Worm Wheel Clutch Driving Arm Retainer                       |
| 1722C    | 22663 | Feeding Disc (back) Worm Wheel Clutch Driving Arm Retainer Nut                   |
| 140489C  | 22663 | Feeding Disc (back) Worm Wheel Clutch Driving Arm Retainer Screw                 |
| 67425    | 22663 | Feeding Disc (back) Worm Wheel Clutch Driving Arm Retainer Screw Nut Lock Washer |
| 1255C    | 22663 | Feeding Disc (back) Worm Wheel Clutch Driving Arm Screw (6)                      |
| 131717   | 22663 | Feeding Disc (back) Worm Wheel Clutch Roller (6)                                 |
| 68152    | 22663 | Feeding Disc (back) Worm Wheel Clutch Roller Plunger (6)                         |
| 131718   | 22663 | Feeding Disc (back) Worm Wheel Clutch Roller Plunger Spring (6)                  |
| 140408XC | 22663 | Feeding Disc (back) Worm Wheel Clutch Screw (left)                               |
| 1722E    | 22663 | Feeding Disc (back) Worm Wheel Clutch Screw (left) Nut                           |
| 176428   | 22663 | Feeding Disc (back) Worm Wheel Clutch Shaft                                      |
| 54369    | 22663 | Feeding Disc (back) Worm Wheel Clutch Shaft Collar with two 465C                 |
| 465C     | 22663 | Feeding Disc (back) Worm Wheel Clutch Shaft Collar Set Screw (2)                 |

| No.     | Plate | Name                                                                                                                                                     |
|---------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 176429  | 22663 | Feeding Disc (back) Worm Wheel Clutch Shaft Lever .....                                                                                                  |
| 140399C | 22663 | Feeding Disc (back) Worm Wheel Clutch Shaft Lever<br>Connecting Screw Stud .....                                                                         |
| 144449  | 22663 | Feeding Disc (back) Worm Wheel Clutch Sleeve with two<br>140409C .....                                                                                   |
| 140409C | 22663 | Feeding Disc (back) Worm Wheel Clutch Sleeve Set Screw<br>(2) .....                                                                                      |
| 131726  | 22663 | Feeding Disc (back) Worm Wheel Clutch Wearing Plate (6)                                                                                                  |
| 176430  | ..... | Feeding Disc (back) Worm Wheel Clutch complete, Nos.<br>144264, 144449, 176426, 176428, two 144263 and six<br>each 1255C, 68152, 131717 and 131718 ..... |
| 889AL   | 22663 | Feeding Disc (back) Worm Wheel Set Screw (2) .....                                                                                                       |
| 176126  | 22666 | Feeding Disc (front) .....                                                                                                                               |
| 176224  | 22666 | Feeding Disc (front) 176126 with 51285F, 176175, 176186<br>and fourteen 176134 .....                                                                     |
| 176128  | 22666 | Feeding Disc (front) Arm with 1396AL and two 176009 .....                                                                                                |
| 176129  | 22666 | Feeding Disc (front) Arm Bell Crank .....                                                                                                                |
| 176130  | 22666 | Feeding Disc (front) Arm Bell Crank Shaft .....                                                                                                          |
| 50422C  | 22666 | Feeding Disc (front) Arm Bell Crank Shaft Set Screw .....                                                                                                |
| 176434  | 22666 | Feeding Disc (front) Arm Pressure Spring .....                                                                                                           |
| 140400E | 22666 | Feeding Disc (front) Arm Pressure Spring Screw .....                                                                                                     |
| 1714E   | 22666 | Feeding Disc (front) Arm Pressure Spring Screw Nut .....                                                                                                 |
| 176009  | 22666 | Feeding Disc (front) Arm Shaft Pin (2) .....                                                                                                             |
| 176186  | 22666 | Feeding Disc (front) Bearing Screw Stud .....                                                                                                            |
| 1396AL  | 22666 | Feeding Disc (front) Bearing Screw Stud Clamping Screw .....                                                                                             |
| 176134  | 22666 | Feeding Disc (front) Roller (14) .....                                                                                                                   |
| *176431 | ..... | Head of Machine with two 176009 .....                                                                                                                    |
| 176314  | 22668 | Head of Machine Front Cover .....                                                                                                                        |
| 140088R | 22668 | Head of Machine Front Cover Screw (2) .....                                                                                                              |
| 176339  | 22668 | Head of Machine Top Cover with three 176045 .....                                                                                                        |
| 176009  | 22668 | Head of Machine Top Cover Steady Pin (2) .....                                                                                                           |
| 176045  | 22668 | Head of Machine Top Cover Thread Eyelet (3) .....                                                                                                        |
| 176140  | 22671 | Looper .....                                                                                                                                             |
| 176141  | 22671 | Looper Clamping Nut .....                                                                                                                                |
| 176142  | 22661 | Looper Driving Eccentric with 889AL .....                                                                                                                |
| 176333  | ..... | Looper Driving Eccentric 176142 with 176334 .....                                                                                                        |
| 889AL   | 22661 | Looper Driving Eccentric Set Screw .....                                                                                                                 |
| 176336  | 22671 | Looper Driving Shaft .....                                                                                                                               |
| 176145  | 22671 | Looper Driving Shaft Frame .....                                                                                                                         |
| 176351  | ..... | Looper Driving Shaft Frame 176145 with 176141, 176353,<br>176355, 176366 and 176367 .....                                                                |
| 176325  | 22671 | Looper Driving Shaft Frame Crank (back) with 42639 .....                                                                                                 |
| 176326  | ..... | Looper Driving Shaft Frame Crank (back) 176325 with<br>810J and 176327 .....                                                                             |
| 176352  | 22671 | Looper Driving Shaft Frame Crank (back) Hinge Bracket<br>Holder with 140227J .....                                                                       |
| 176353  | ..... | Looper Driving Shaft Frame Crank (back) Hinge Bracket<br>Holder 176352 with 51672C and 176326 .....                                                      |
| 140227J | 22671 | Looper Driving Shaft Frame Crank (back) Hinge Bracket<br>Holder Screw .....                                                                              |
| 140227J | 22671 | Looper Driving Shaft Frame Crank (back) Hinge Bracket<br>Screw (2) .....                                                                                 |
| 176325  | 22671 | Looper Driving Shaft Frame Crank (front) with 42639 .....                                                                                                |
| 176326  | ..... | Looper Driving Shaft Frame Crank (front) 176325 with<br>810J and 176327 .....                                                                            |
| 176354  | 22671 | Looper Driving Shaft Frame Crank (front) Hinge Bracket<br>Holder with 140227J .....                                                                      |
| 176355  | ..... | Looper Driving Shaft Frame Crank (front) Hinge Bracket<br>Holder 176354 with 51672C and 176326 .....                                                     |
| 140227J | 22671 | Looper Driving Shaft Frame Crank (front) Hinge Bracket<br>Holder Screw .....                                                                             |
| 140227J | 22671 | Looper Driving Shaft Frame Crank (front) Hinge Bracket<br>Screw (2) .....                                                                                |

| No.     | Plate | Name                                                                                                                                        |
|---------|-------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 51672C  | 22671 | Looper Driving Shaft Frame Crank Nut (2) .....                                                                                              |
| 176327  | 22671 | Looper Driving Shaft Frame Crank Wearing Sleeve (.375<br>in. diam.) (2) .....                                                               |
| 176328  | ..... | Looper Driving Shaft Frame Crank Wearing Sleeve (.3755<br>in. diam.) .....                                                                  |
| 176329  | ..... | Looper Driving Shaft Frame Crank Wearing Sleeve (.376<br>in. diam.) .....                                                                   |
| 176330  | ..... | Looper Driving Shaft Frame Crank Wearing Sleeve (.3765<br>in. diam.) .....                                                                  |
| 176331  | ..... | Looper Driving Shaft Frame Crank Wearing Sleeve (.377<br>in. diam.) .....                                                                   |
| 176332  | ..... | Looper Driving Shaft Frame Crank Wearing Sleeve (.3775<br>in. diam.) .....                                                                  |
| 810J    | 22671 | NOTE: Nos. 176328 to 176332 are to be furnished for repairs only.<br>Looper Driving Shaft Frame Crank Wearing Sleeve Cap<br>Screw (2) ..... |
| 42639   | 22671 | Looper Driving Shaft Frame Crank Wearing Sleeve<br>Position Pin (2) .....                                                                   |
| 176155  | 22661 | Looper Oscillating Cam with 889AL .....                                                                                                     |
| 176334  | ..... | Looper Oscillating Cam 176155 with 145E, 159E, 176105<br>and 176106 .....                                                                   |
| 176156  | 22661 | Looper Oscillating Cam Pin .....                                                                                                            |
| 889AL   | 22661 | Looper Oscillating Cam Set Screw .....                                                                                                      |
| 176367  | 22671 | Looper Oscillating Crank with 164E and two 1143AL .....                                                                                     |
| 176158  | 22671 | Looper Oscillating Crank Ball .....                                                                                                         |
| 176159  | 22671 | Looper Oscillating Crank Ball Stud .....                                                                                                    |
| 164E    | 22671 | Looper Oscillating Crank Ball Stud Clamping Screw .....                                                                                     |
| 1143AL  | 22671 | Looper Oscillating Crank Set Screw (2) .....                                                                                                |
| 176357  | 22661 | Machine Driving Pulley "V" belt groove (outside diam. of<br>belt groove 4.4 in.) with 445C .....                                            |
| 445C    | 22661 | Machine Driving Pulley Set Screw .....                                                                                                      |
| 176102  | 22661 | Machine Driving Pulley Shaft .....                                                                                                          |
| 176103  | 22661 | Machine Driving Pulley Shaft Bushing (left) .....                                                                                           |
| 998C    | 22661 | Machine Driving Pulley Shaft Bushing (left) Set Screw .....                                                                                 |
| 176104  | 22661 | Machine Driving Pulley Shaft Bushing (right) .....                                                                                          |
| 998C    | 22661 | Machine Driving Pulley Shaft Bushing (right) Set Screw .....                                                                                |
| 176105  | 22661 | Machine Driving Pulley Shaft Counterbalance (large) .....                                                                                   |
| 176106  | 22661 | Machine Driving Pulley Shaft Counterbalance (small) .....                                                                                   |
| 145E    | 22661 | Machine Driving Pulley Shaft Counterbalance Screw (long) .....                                                                              |
| 159E    | 22661 | Machine Driving Pulley Shaft Counterbalance Screw<br>(short) .....                                                                          |
| 176107  | 22661 | Machine Driving Pulley Washer (felt) .....                                                                                                  |
| 176081  | 22671 | Needle Bar .....                                                                                                                            |
| 176161  | ..... | Needle Bar 176081 with Needle Clamp Body .....                                                                                              |
| 176162  | ..... | Needle Bar complete, Nos. 140082F, 140089F, 140090F,<br>176161, 176168, 176169, 176171, 176172 and 176174 .....                             |
| 176163  | 22671 | Needle Bar Bushing with 176164 .....                                                                                                        |
| 51665C  | 22671 | Needle Bar Bushing Lock Nut .....                                                                                                           |
| 176164  | 22671 | Needle Bar Bushing Steady Pin .....                                                                                                         |
| 176380  | 22671 | Needle Bar Connection with two 51320AL .....                                                                                                |
| 176381  | ..... | Needle Bar Connection 176380 with 176166 .....                                                                                              |
| 51320AL | 22671 | Needle Bar Connection Clamping Screw (2) .....                                                                                              |
| 176382  | 22671 | Needle Bar Connection Guide Rod .....                                                                                                       |
| 446AL   | 22671 | Needle Bar Connection Guide Rod Set Screw .....                                                                                             |
| 176166  | 22661 | Needle Bar Eccentric with 889AL .....                                                                                                       |
| 176110  | 22661 | Needle Bar Eccentric Pin .....                                                                                                              |
| 889AL   | 22661 | Needle Bar Eccentric Set Screw .....                                                                                                        |
| 176168  | 22671 | Needle Bar Thread Guide .....                                                                                                               |
| 140082F | 22671 | Needle Bar Thread Guide Screw .....                                                                                                         |
| 140089F | 22671 | Needle Bar Thread Nipper Screw .....                                                                                                        |
| 176169  | 22671 | Needle Bar Thread Nipper Screw Bushing .....                                                                                                |
| 176170  | 22671 | Needle Bar Thread Nipper Slide Rod .....                                                                                                    |
| 440AL   | 22671 | Needle Bar Thread Nipper Slide Rod Set Screw .....                                                                                          |

| No.     | Plate | Name                                                   |
|---------|-------|--------------------------------------------------------|
| 176171  | 22671 | Needle Bar Thread Nipper Spring.....                   |
| 176172  | 22671 | Needle Clamp.....                                      |
| 140090F | 22671 | Needle Clamp Screw.....                                |
| 176174  | 22671 | Needle Clamp Steady Pin.....                           |
| 176175  | 22666 | Needle Guide.....                                      |
| 51285F  | 22666 | Needle Guide Screw.....                                |
| 176176  | 22663 | Stitch Indicator.....                                  |
| 176344  | 22663 | Stitch Regulating Screw Stud.....                      |
| 1684C   | 22663 | Stitch Regulating Screw Stud Nut.....                  |
| 176181  | 22663 | Stitch Regulating Screw Stud Nut Washer.....           |
| 176182  | 22663 | Stitch Regulating Screw Stud Slide Block.....          |
| 51666J  | 22663 | Stitch Regulating Screw Stud Thumb Nut.....            |
| 2102    | 22668 | Tension Disc (2).....                                  |
| 1560C   | 22668 | Tension Regulating Thumb Nut.....                      |
| 633C    | 22668 | Tension Screw Stud.....                                |
| 58592   | 22668 | Tension Screw Stud 633C with 1560C.....                |
| 176084  | 22668 | Tension Spring.....                                    |
| 176085  | 22668 | Tension complete, Nos. 58592, 176084 and two 2102..... |
| 176345  | 22671 | Work Guide.....                                        |
| 176347  | 22671 | Work Guide 176345 with 162J and 176349.....            |
| 889AL   | 22671 | Work Guide Adjusting Screw.....                        |
| 176349  | 22671 | Work Guide Bracket with 889AL.....                     |
| 840J    | 22671 | Work Guide Bracket Screw.....                          |
| 162J    | 22671 | Work Guide Screw.....                                  |

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

Needles in Containers marked  
"FOR SINGER MACHINES"  
are NOT **SINGER** made needles. <sup>2</sup>

## Set of Parts complete No. 176446

## for Two-Thread Seaming

## for 176-31 and 176-32 Machines

| No.    | Plate | Name                                                                       |
|--------|-------|----------------------------------------------------------------------------|
| 176439 | 25466 | Head of Machine Top Cover.....                                             |
| 176440 | 25466 | Head of Machine Top Cover 176439 with 58549 and four 176045.....           |
| 58549  | 25466 | Head of Machine Top Cover Oil Tube with 52045.....                         |
| 52045  | 25466 | Head of Machine Top Cover Oil Tube Packing.....                            |
| 176045 | 25466 | Head of Machine Top Cover Thread Eyelet (4).....                           |
| 176441 | 25466 | Looper.....                                                                |
| 176442 | 25466 | Tension Bracket.....                                                       |
| 176443 | 25466 | Tension Bracket 176442 with 1637J and 176085.....                          |
| 2102   | 25466 | Tension Disc (2).....                                                      |
| 1560C  | 25466 | Tension Regulating Thumb Nut.....                                          |
| 633C   | 25466 | Tension Screw Stud.....                                                    |
| 58592  | 25466 | Tension Screw Stud 633C with 1560C.....                                    |
| 1637J  | 25466 | Tension Screw Stud Nut.....                                                |
| 176084 | 25466 | Tension Spring.....                                                        |
| 176085 | 25466 | Tension complete, Nos. 58592, 176084 and two 2102.....                     |
| 176444 | 25466 | Thread Take-up Arm and Thread Guide.....                                   |
| 50128R | 25466 | Thread Take-up Arm and Thread Guide Screw.....                             |
| 95651  | 25466 | Thread Take-up Post with 95367.....                                        |
| 1700J  | 25466 | Thread Take-up Post Nut.....                                               |
| 95365  | 25466 | Thread Take-up Spring.....                                                 |
| 95366  | 25466 | Thread Take-up Spring Collar.....                                          |
| 95367  | 25466 | Thread Take-up Spring Collar Stop Pin.....                                 |
| 95652  | 25466 | Thread Take-up Nos. 95365, 95366 and 95651.....                            |
| 176445 | 25466 | Thread Take-up complete, Nos. 1700J, 95652 and 176444.....                 |
| 176446 | 25466 | Set of Parts complete, Nos. 50128R, 176440, 176441, 176443 and 176445..... |

## ACCESSORIES

| No.    | Plate | Name                                                                              |
|--------|-------|-----------------------------------------------------------------------------------|
| 176203 | ..... | Belt, 1/4 in. round, 36 in. long with 176088, for 176-31 and 176-32 Machines..... |
| 176087 | ..... | Belt, 5/16 in. round, 36 in. long with 25029, for 176-33 Machine.....             |
| 176088 | ..... | Belt Hook for 176203.....                                                         |
| 25029  | ..... | Belt Hook for 176087.....                                                         |
| 120342 | 22672 | Oiler (copper plated) with 120343.....                                            |
| 120343 | 22672 | Oiler Spout, 3 1/2 in. long.....                                                  |
| 26026  | 22672 | Screw Driver.....                                                                 |
| 176089 | 22672 | Tweezers.....                                                                     |
| 176369 | 22672 | Wrench for 176368, for 176-31 and 176-32 Machines.....                            |
| 176202 | 22673 | Wrench for 176141, for 176-33 Machine.....                                        |

## FEEDING DISC OPENING AND STARTING PARTS

|        |       |                                                                                                                                                                                             |
|--------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 175216 | 22674 | Feeding Disc Opening Treadle.....                                                                                                                                                           |
| 175217 | 22674 | Feeding Disc Opening Treadle Hinge Pin.....                                                                                                                                                 |
| 175218 | 22674 | Feeding Disc Opening Treadle Stand.....                                                                                                                                                     |
| 175219 | 22674 | Feeding Disc Opening Treadle complete, Nos. 175216,<br>175217, 175218 and two wood screws 1 in. No. 14 F.H.....                                                                             |
| 46848  | 22674 | Feeding Disc Opening Treadle Pitman Rod (lower).....                                                                                                                                        |
| 46848  | 22674 | Feeding Disc Opening Treadle Pitman Rod (upper).....                                                                                                                                        |
| 46849  | 22674 | Feeding Disc Opening Treadle Pitman Rod (upper)<br>Connecting Lever for 46851.....                                                                                                          |
| 152059 | 22675 | Feeding Disc Opening Treadle Pitman Rod (upper)<br>Connecting Lever for 152011.....                                                                                                         |
| 46850  | 22674 | Feeding Disc Opening Treadle Pitman Rod (upper)<br>Connecting Lever Bracket.....                                                                                                            |
| 24665  | 22674 | Feeding Disc Opening Treadle Pitman Rod (upper)<br>Connecting Lever Hinge Pin.....                                                                                                          |
| 46851  | 22674 | Feeding Disc Opening Treadle Pitman Rod (upper)<br>Connecting Lever complete for 176-31 and 176-32<br>Machines, Nos. 24665, 46849, 46850 and two wood<br>screws 3/4 in. No. 10 R.H.M.F..... |
| 152011 | 22675 | Feeding Disc Opening Treadle Pitman Rod (upper)<br>Connecting Lever complete, for 176-33 Machine, Nos.<br>24665, 46850, 152059 and two wood screws 3/4 in. No.<br>No. 10 R.H.M.F.....       |
| 176318 | 22674 | Feeding Disc Opening Treadle Pitman Rod (upper)<br>Connecting Lever Chain (seven links) with two 39576,<br>for 176-31 and 176-32 Machines.....                                              |
| 176185 | 22675 | Feeding Disc Opening Treadle Pitman Rod (upper)<br>Connecting Lever Chain (8 links) for 176-33 Machine.....                                                                                 |
| 39576  | 22674 | Feeding Disc Opening Treadle Pitman Rod (upper)<br>Connecting Lever Chain Hook for 176318 (2).....                                                                                          |
| 80223  | 22674 | Feeding Disc Opening Treadle Pitman Rod Clamp with<br>361C.....                                                                                                                             |
| 361C   | 22674 | Feeding Disc Opening Treadle Pitman Rod Clamp Set<br>Screw.....                                                                                                                             |
| 123183 | 22674 | Feeding Disc Opening Treadle Pitman Rod Cotter Pin (2).....                                                                                                                                 |
| 176091 | 22674 | Feeding Disc Opening Treadle Pitman Rod complete, Nos.<br>80223 and two each 46848 and 123183.....                                                                                          |
| 175216 | 22674 | Starting Treadle.....                                                                                                                                                                       |
| 175217 | 22674 | Starting Treadle Hinge Pin.....                                                                                                                                                             |
| 175218 | 22674 | Starting Treadle Stand.....                                                                                                                                                                 |
| 175219 | 22674 | Starting Treadle complete, Nos. 175216, 175217, 175218<br>and two wood screws 1 in. No. 14 F.H.....                                                                                         |
| 46848  | 22674 | Starting Treadle Pitman Rod (lower).....                                                                                                                                                    |
| 46848  | 22674 | Starting Treadle Pitman Rod (upper).....                                                                                                                                                    |
| 80223  | 22674 | Starting Treadle Pitman Rod Clamp with 361C.....                                                                                                                                            |
| 361C   | 22674 | Starting Treadle Pitman Rod Clamp Set Screw.....                                                                                                                                            |
| 123183 | 22674 | Starting Treadle Pitman Rod Cotter Pin (2).....                                                                                                                                             |
| 176091 | 22674 | Starting Treadle Pitman Rod complete, Nos. 80223 and<br>two each 46848 and 123183.....                                                                                                      |

## KNEE LEVER COMPLETE FOR OPENING FEEDING DISCS

|         |       |                                                                                                    |
|---------|-------|----------------------------------------------------------------------------------------------------|
| 176393  | 25461 | Knee Lever Rock Shaft.....                                                                         |
| 176394  | 25461 | Knee Lever Rock Shaft Chain with 39576.....                                                        |
| 62164   | 25461 | Knee Lever Rock Shaft Chain Guide Pulley.....                                                      |
| 128815  | 25461 | Knee Lever Rock Shaft Chain Guide Pulley Bracket with<br>two wood screws 1 in. No. 12 F.H.....     |
| 1064R   | 25461 | Knee Lever Rock Shaft Chain Guide Pulley Hinge Screw.....                                          |
| 150036  | 25461 | Knee Lever Rock Shaft Chain Guide complete, Nos. 1064R,<br>62164 and 128815.....                   |
| 39576   | 25461 | Knee Lever Rock Shaft Chain Hook.....                                                              |
| 176395  | 25461 | Knee Lever Rock Shaft Hinge Bracket with 176397.....                                               |
| 2765    | 25461 | Knee Lever Rock Shaft Knee Arm.....                                                                |
| 2766    | 25461 | Knee Lever Rock Shaft Knee Arm Hub with 356C.....                                                  |
| 356C    | 25461 | Knee Lever Rock Shaft Knee Arm Hub Set Screw.....                                                  |
| 2768    | ..... | Knee Lever Rock Shaft Knee Arm complete, Nos. 2765,<br>2766 and 2767.....                          |
| 2767    | 25461 | Knee Lever Rock Shaft Knee Plate with 356C.....                                                    |
| 356C    | 25461 | Knee Lever Rock Shaft Knee Plate Set Screw.....                                                    |
| 6337    | 25461 | Knee Lever Rock Shaft Opening Bracket with two 356C.....                                           |
| 6338    | 25461 | Knee Lever Rock Shaft Opening Bracket Hook.....                                                    |
| 356C    | 25461 | Knee Lever Rock Shaft Opening Bracket Hook Set Screw.....                                          |
| 356C    | 25461 | Knee Lever Rock Shaft Opening Bracket Set Screw.....                                               |
| 176396  | 25461 | Knee Lever Rock Shaft Spring.....                                                                  |
| 176397  | 25461 | Knee Lever Rock Shaft Stop (leather).....                                                          |
| 2770    | 25461 | Knee Lever Rock Shaft Stop Dog with 140219C (2).....                                               |
| 140219C | 25461 | Knee Lever Rock Shaft Stop Dog Set Screw (2).....                                                  |
| 176398  | ..... | Knee Lever Rock Shaft complete, Nos. 2768, 6337, 6338,<br>176393, 176395, 176396 and two 2770..... |
| 176399  | 25461 | Knee Lever complete, Nos. 150036, 176394, 176398 and<br>three wood screws 1 in. No. 10 F.H.....    |

## MACHINE BASE FOR 176-31 AND 176-32 MACHINES

|                                                                                                     |       |                                                                                                  |
|-----------------------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------|
| 176358                                                                                              | 25462 | Machine Base with four wood screws 1 in. No. 10 F.H. (no<br>provision for Oil Drain Cock).....   |
| NOTE: No. 176358 is regularly furnished with these Machines unless<br>otherwise specified on order. |       |                                                                                                  |
| 176090                                                                                              | 25462 | Machine Base with four wood screws 1 in. No. 10 F.H. (with<br>provision for Oil Drain Cock)..... |
| 49123                                                                                               | 25462 | Machine Base Oil Pipe.....                                                                       |
| 49124                                                                                               | 25462 | Machine Base Oil Pipe Drain Cock.....                                                            |
| 145E                                                                                                | 25462 | Machine Screw (4).....                                                                           |
| 4718                                                                                                | 25462 | Machine Screw Washer (felt) (4).....                                                             |

**MACHINE BASE  
FOR  
176-33 MACHINE**

| No.                                                                                            | Plate | Name                                                                                     |
|------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------|
| 176359                                                                                         | 25463 | Machine Base with four wood screws 1 in. No. 10 F.H. (no provision for Oil Drain Cock)   |
| NOTE: No. 176359 is regularly furnished with this Machine unless otherwise specified on order. |       |                                                                                          |
| 176184                                                                                         | 25463 | Machine Base with four wood screws 1 in. No. 10 F.H. (with provision for Oil Drain Cock) |
| 49123                                                                                          | 25463 | Machine Base Oil Pipe                                                                    |
| 49124                                                                                          | 25463 | Machine Base Oil Pipe Drain Cock                                                         |
| 122E                                                                                           | 25463 | Machine Screw (4)                                                                        |

**SPOOL HOLDER  
FOR  
176-31 AND 176-32 MACHINES**

|        |       |                            |
|--------|-------|----------------------------|
| 176305 | 25464 | Spool Holder with two 919R |
| 919R   | 25464 | Spool Holder Screw (2)     |

**SPOOL STAND FOR ONE SPOOL  
FOR  
176-33 MACHINE**

|       |       |                                                                                 |
|-------|-------|---------------------------------------------------------------------------------|
| 27882 | 25465 | Spool Rest                                                                      |
| 60655 |       | Spool Rest 27882 with 27884                                                     |
| 41514 | 25465 | Spool Weight, 4 in. diam. with 41515                                            |
| 41515 | 25465 | Spool Weight Center Pin                                                         |
| 27884 | 25465 | Thread Eyelet Rod                                                               |
| 27885 | 25465 | Spool Stand complete, Nos. 41514, 60655 and two wood screws 3/4 in. No. 10 F.H. |

**TABLE BELT HOLE GUARD  
FOR  
176-31 AND 176-32 MACHINES**

|        |       |                                                                |
|--------|-------|----------------------------------------------------------------|
| 152051 | 25464 | Table Belt Hole Guard with two wood screws 7/8 in. No. 10 F.H. |
|--------|-------|----------------------------------------------------------------|

**NUMERICAL LIST OF PARTS**

| No.   | Plate | Name                                                                          |
|-------|-------|-------------------------------------------------------------------------------|
| 122E  | 25463 | Machine Screw for 176-33 Machine (4)                                          |
| 130X  |       | Feeding Disc (back) Worm Wheel Clutch Bracket Screw for 176418 and 176420 (2) |
| 145E  | 22661 | Machine Driving Pulley Shaft Counterbalance Screw (long) for 176334           |
| 145E  | 25462 | Machine Screw for 176-31 and 176-32 Machines (4)                              |
| 159E  | 22661 | Machine Driving Pulley Shaft Counterbalance Screw (short) for 176334          |
| 160E  | 22659 | Machine Driving Pulley Shaft Counterbalance Screw for 176282 and 176302 (2)   |
| 162J  | 22671 | Work Guide Screw for 176347                                                   |
| 164E  | 22671 | Looper Oscillating Crank Ball Stud Clamping Screw for 176367                  |
| 171AL | 22669 | Needle Bar Connection Clamping Screw for 176284 (2)                           |
| 175E  | 22669 | Looper Oscillating Crank Ball Stud Clamping Screw for 176361                  |
| 356C  | 25461 | Knee Lever Rock Shaft Knee Arm Hub Set Screw for 2766                         |
| 356C  | 25461 | Knee Lever Rock Shaft Knee Plate Set Screw for 2767                           |
| 356C  | 25461 | Knee Lever Rock Shaft Opening Bracket Hook Set Screw for 6337                 |
| 356C  | 25461 | Knee Lever Rock Shaft Opening Bracket Set Screw for 6337                      |
| 361C  | 22674 | Feeding Disc Opening Treadle Pitman Rod Clamp Set Screw for 80223             |
| 361C  | 22674 | Starting Treadle Pitman Rod Clamp Set Screw for 80223                         |
| 435AL | 22659 | Machine Driving Pulley Set Screw for 176356                                   |
| 440AL | 22671 | Needle Bar Thread Nipper Slide Rod Set Screw for 176-33 Machine               |
| 440AL |       | Work Guide Set Screw for 176-31 and 176-32 Machines                           |
| 445C  | 22663 | Feeding Disc (back) Set Screw for 176112 (2)                                  |
| 445C  | 22663 | Feeding Disc (back) Shaft Reinforcing Sleeve Set Screw for 176114 (2)         |
| 445C  | 22663 | Feeding Disc (back) Worm Gear Set Screw for 176150 (2)                        |
| 445C  | 22661 | Machine Driving Pulley Set Screw for 176357                                   |
| 446AL | 22671 | Needle Bar Connection Guide Rod Set Screw for 176-33 Machine                  |
| 465C  | 22663 | Feeding Disc (back) Worm Wheel Clutch Shaft Collar Set Screw for 54369 (2)    |
| 602J  | 22669 | Looper Driving Shaft Frame Crank Wearing Sleeve Cap Screw for 176270          |
| 624AL | 22669 | Needle Bar Connection Guide Rod Set Screw for 176-31 and 176-32 Machines      |
| 633C  | 22667 | Tension Screw Stud for 58592                                                  |
| 810J  | 22671 | Looper Driving Shaft Frame Crank Wearing Sleeve Cap Screw for 176326 (2)      |
| 840J  | 22671 | Work Guide Bracket Screw for 176-33 Machine                                   |
| 889AL | 22661 | Feed Eccentric Set Screw for 176109                                           |
| 889AL | 22662 | Feeding Disc (back) Set Screw for 176011 and 176383 (2)                       |
| 889AL | 22662 | Feeding Disc (back) Worm Gear Set Screw for 176014 (2)                        |
| 889AL | 22662 | Feeding Disc (back) Worm Wheel Set Screw for 176413 and 176448 (2)            |
| 889AL | 22661 | Looper Driving Eccentric Set Screw for 176142                                 |
| 889AL | 22661 | Looper Oscillating Cam Set Screw for 176155                                   |
| 889AL | 22661 | Needle Bar Eccentric Set Screw for 176166                                     |
| 889AL | 22671 | Work Guide Adjusting Screw for 176349                                         |
| 898AL | 22659 | Looper Driving Eccentric Screw for 176-31 and 176-32 Machines                 |
| 919R  | 25464 | Spool Holder Screw for 176305 (2)                                             |
| 998C  | 22661 | Machine Driving Pulley Shaft Bushing (left) Set Screw for 176-33 Machine      |
| 998C  | 22661 | Machine Driving Pulley Shaft Bushing (right) Set Screw for 176-33 Machine     |

## NUMERICAL LIST OF PARTS

| No.    | Plate | Name                                                                                                               |
|--------|-------|--------------------------------------------------------------------------------------------------------------------|
| 1036AL | 22659 | Feed Eccentric Set Screw for 176244 (2)                                                                            |
| 1036AL | 22659 | Needle Bar Eccentric Set Screw for 176286 and 176303 (2)                                                           |
| 1064R  | 25461 | Knee Lever Rock Shaft Chain Guide Pulley Hinge Screw for 150036                                                    |
| 1143AL | 22671 | Looper Oscillating Crank Set Screw for 176367 (2)                                                                  |
| 1149AL | 22664 | Feeding Disc (front) Arm Bell Crank Shaft Set Screw for 176-31 and 176-32 Machines                                 |
| 1255C  | 22662 | Feeding Disc (back) Worm Wheel Clutch Driving Arm Screw for 176430 and 176436                                      |
| 1329E  | 22669 | Looper Driving Eccentric Sleeve Position Plate Screw for 176266 and 176295 (2)                                     |
| 1396AL | 22664 | Feeding Disc (front) Bearing Screw Stud Clamping Screw for 176030 and 176128                                       |
| 1560C  | 22667 | Tension Regulating Thumb Nut for 58592                                                                             |
| 1637J  | 25466 | Tension Screw Stud Nut for 176443                                                                                  |
| 1650C  | 22662 | Stitch Regulating Screw Stud Nut for 176290                                                                        |
| 1684C  | 22663 | Stitch Regulating Screw Stud Nut for 176424                                                                        |
| 1700J  | 25466 | Thread Take-up Post Nut for 176445                                                                                 |
| 1714E  | 22664 | Feeding Disc (front) Arm Pressure Spring Screw Nut                                                                 |
| 1722C  | 22662 | Feeding Disc (back) Worm Wheel Clutch Driving Arm Retainer Nut                                                     |
| 1722E  | 22663 | Feeding Disc (back) Worm Wheel Clutch Screw (left) Nut for 176-33 Machine                                          |
| 2102   | 22667 | Tension Disc for 176085 (2)                                                                                        |
| 2765   | 25461 | Knee Lever Rock Shaft Knee Arm for 2768                                                                            |
| 2766   | 25461 | Knee Lever Rock Shaft Knee Arm Hub with 356C, for 2768                                                             |
| 2767   | 25461 | Knee Lever Rock Shaft Knee Plate with 356C, for 2768                                                               |
| 2768   |       | Knee Lever Rock Shaft Knee Arm complete for 176398, Nos. 2765, 2766 and 2767                                       |
| 2770   | 25461 | Knee Lever Rock Shaft Stop Dog with 140219C, for 176398 (2)                                                        |
| 4718   | 25462 | Machine Screw Washer (felt) for 176-31 and 176-32 Machines (4)                                                     |
| 6337   | 25461 | Knee Lever Rock Shaft Opening Bracket with two 356C, for 176398                                                    |
| 6338   | 25461 | Knee Lever Rock Shaft Opening Bracket Hook for 176398                                                              |
| 24665  | 22674 | Feeding Disc Opening Treadle Pitman Rod (upper) Connecting Lever Hinge Pin for 46851 and 152011                    |
| 25029  |       | Belt Hook for 176087                                                                                               |
| 26026  | 22672 | Screw Driver (Accessories)                                                                                         |
| 27882  | 25465 | Spool Rest for 60655                                                                                               |
| 27884  | 25465 | Spool Stand Thread Eyelet Rod for 60655                                                                            |
| 27885  | 25465 | Spool Stand (for one spool) complete for 176-33 Machine, Nos. 41514, 60655 and two wood screws 3/4 in. No. 10 F.H. |
| 38635  | 22669 | Looper Driving Shaft Frame Crank Nut Washer for 176271 and 176298                                                  |
| 39576  | 22674 | Feeding Disc Opening Treadle Pitman Rod (upper) Connecting Lever Chain Hook for 176318 (2)                         |
| 39576  | 25461 | Knee Lever Rock Shaft Chain Hook for 176394                                                                        |
| 41514  | 25465 | Spool Weight, 4 in. diam. with 41515, for 27885                                                                    |
| 41515  | 25465 | Spool Weight Center Pin for 41514                                                                                  |
| 42639  | 22669 | Looper Driving Shaft Frame Crank Wearing Sleeve Position Pin for 176269 and 176325                                 |
| 46848  | 22674 | Feeding Disc Opening Treadle Pitman Rod (lower) for 176091                                                         |
| 46848  | 22674 | Feeding Disc Opening Treadle Pitman Rod (upper) for 176091                                                         |
| 46848  | 22674 | Starting Treadle Pitman Rod (lower) for 176091                                                                     |
| 46848  | 22674 | Starting Treadle Pitman Rod (upper) for 176091                                                                     |
| 46849  | 22674 | Feeding Disc Opening Treadle Pitman Rod (upper) Connecting Lever for 46851                                         |
| 46850  | 22674 | Feeding Disc Opening Treadle Pitman Rod (upper) Connecting Lever Bracket for 46851 and 152011                      |

## NUMERICAL LIST OF PARTS

| No.     | Plate | Name                                                                                                                                                                           |
|---------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 46851   | 22674 | Feeding Disc Opening Treadle Pitman Rod (upper) Connecting Lever complete for 176-31 and 176-32 Machines, Nos. 24665, 46849, 46850 and two wood screws 3/4 in. No. 10 R.H.M.F. |
| 49123   | 25462 | Machine Base Oil Pipe                                                                                                                                                          |
| 49124   | 25462 | Machine Base Oil Pipe Drain Cock                                                                                                                                               |
| 50128F  | 22664 | Needle Guide Screw for 176221, 176223 and 176400                                                                                                                               |
| 50128R  | 25466 | Thread Take-up Arm and Thread Guide Screw for 176446                                                                                                                           |
| 50150AL | 22662 | Feeding Disc (back) Shaft Spacing Collar Set Screw for 176249 (2)                                                                                                              |
| 50379C  | 22669 | Looper Oscillating Crank Set Screw for 176361 (2)                                                                                                                              |
| 50421AL | 22669 | Needle Bar Thread Nipper Slide Rod Set Screw for 176-31 and 176-32 Machines                                                                                                    |
| 50422C  | 22666 | Feeding Disc (front) Arm Bell Crank Shaft Set Screw for 176-33 Machine                                                                                                         |
| 51285F  | 22666 | Needle Guide Screw for 176224                                                                                                                                                  |
| 51320AL | 22671 | Needle Bar Connection Clamping Screw for 176380 (2)                                                                                                                            |
| 51662C  | 22669 | Needle Bar Bushing Lock Nut for 176-31 and 176-32 Machines                                                                                                                     |
| 51663J  | 22662 | Stitch Regulating Screw Stud Thumb Nut for 176412                                                                                                                              |
| 51665C  | 22671 | Needle Bar Bushing Lock Nut for 176-33 Machine                                                                                                                                 |
| 51666J  | 22663 | Stitch Regulating Screw Stud Thumb Nut for 176424                                                                                                                              |
| 51669J  | 22669 | Looper Driving Shaft Frame Crank Nut for 176271 and 176298                                                                                                                     |
| 51669J  | 22669 | Looper Driving Shaft Frame Hinge Screw Stud Nut for 176-31 Machine                                                                                                             |
| 51672C  | 22671 | Looper Driving Shaft Frame Crank Nut for 176353 and 176355                                                                                                                     |
| 52045   | 22667 | Head of Machine Top Cover Oil Tube Packing for 58549                                                                                                                           |
| 54369   | 22663 | Feeding Disc (back) Worm Wheel Clutch Shaft Collar with two 465C, for 176-33 Machine                                                                                           |
| 58549   | 22667 | Head of Machine Top Cover Oil Tube with 52045, for 176338 and 176440                                                                                                           |
| 58592   |       | Tension Screw Stud 633C with 1560C, for 176085                                                                                                                                 |
| 60655   |       | Spool Rest 27882 with 27884, for 27885                                                                                                                                         |
| 62164   | 25461 | Knee Lever Rock Shaft Chain Guide Pulley for 150036                                                                                                                            |
| 67425   | 22662 | Feeding Disc (back) Worm Wheel Clutch Driving Arm Retainer Screw Nut Lock Washer                                                                                               |
| 68152   | 22662 | Feeding Disc (back) Worm Wheel Clutch Roller Plunger for 176430 and 176436 (6)                                                                                                 |
| 80223   | 22674 | Feeding Disc Opening Treadle Pitman Rod Clamp with 361C, for 176091                                                                                                            |
| 80223   | 22674 | Starting Treadle Pitman Rod Clamp with 361C, for 176091                                                                                                                        |
| 95365   | 25466 | Thread Take-up Spring for 95652                                                                                                                                                |
| 95366   | 25466 | Thread Take-up Spring Collar for 95652                                                                                                                                         |
| 95367   | 25466 | Thread Take-up Spring Collar Stop Pin for 95651                                                                                                                                |
| 95651   | 25466 | Thread Take-up Post with 95367, for 95652                                                                                                                                      |
| 95652   |       | Thread Take-up for 176445, Nos. 95365, 95366 and 95651                                                                                                                         |
| 120342  | 22672 | Oiler (copper plated) with 120343 (Accessories)                                                                                                                                |
| 120343  | 22672 | Oiler Spout, 3 1/2 in. long for 120342                                                                                                                                         |
| 123183  | 22674 | Feeding Disc Opening Treadle Pitman Rod Cotter Pin for 176091 (2)                                                                                                              |
| 123183  | 22674 | Starting Treadle Pitman Rod Cotter Pin for 176091 (2)                                                                                                                          |
| 127848  | 22669 | Looper Driving Shaft Frame Crank Hinge Bracket Oil Cup for 176273                                                                                                              |
| 127848  | 22670 | Looper Driving Shaft Frame Crank (back) Hinge Bracket Oil Cup for 176299                                                                                                       |
| 127848  | 22670 | Looper Driving Shaft Frame Crank (front) Hinge Bracket Oil Cup for 176273                                                                                                      |
| 128815  | 25461 | Knee Lever Rock Shaft Chain Guide Pulley Bracket with two wood screws 1 in. No. 12 F.H., for 150036                                                                            |
| 131717  | 22662 | Feeding Disc (back) Worm Wheel Clutch Roller for 176430 and 176436 (6)                                                                                                         |

| No.      | Plate | Name                                                                                            |
|----------|-------|-------------------------------------------------------------------------------------------------|
| 131718   | 22662 | Feeding Disc (back) Worm Wheel Clutch Roller Plunger Spring for 176430 and 176436 (6)           |
| 131726   | 22662 | Feeding Disc (back) Worm Wheel Clutch Wearing Plate for 144263 (6)                              |
| 140079C  | 22659 | Feed Connection Hinge Screw for 176-31 and 176-32 Machines                                      |
| 140082F  | 22669 | Needle Bar Thread Guide Screw for 176066, 176162 and 176217                                     |
| 140083F  | 22669 | Needle Bar Thread Nipper Screw for 176066 and 176217                                            |
| 140084F  | 22669 | Needle Clamp Screw for 176066 and 176217                                                        |
| 140086C  | 22661 | Feed Connection Hinge Screw for 176-33 Machine                                                  |
| 140087E  | 22664 | Feeding Disc (front) Arm Pressure Spring Screw for 176-31 and 176-32 Machines                   |
| 140088R  | 22668 | Head of Machine Front Cover Screw for 176-33 Machine (2)                                        |
| 140089F  | 22671 | Needle Bar Thread Nipper Screw for 176162                                                       |
| 140090F  | 22671 | Needle Clamp Screw for 176162                                                                   |
| 140183AL | 22659 | Looper Oscillating Cam Set Screw for 176280 and 176300 (2)                                      |
| 140219C  | 25461 | Knee Lever Rock Shaft Stop Dog Set Screw for 2770 (2)                                           |
| 140225C  | 22659 | Machine Driving Pulley Shaft Bushing (left) Set Screw for 176-31 and 176-32 Machines            |
| 140225C  | 22659 | Machine Driving Pulley Shaft Bushing (right) Set Screw for 176-31 and 176-32 Machines           |
| 140227J  | 22669 | Looper Driving Shaft Frame Crank Hinge Bracket Holder Screw for 176273                          |
| 140227J  | 22669 | Looper Driving Shaft Frame Crank Hinge Bracket Screw for 176-31 Machine (2)                     |
| 140227J  | 22670 | Looper Driving Shaft Frame Crank (back) Hinge Bracket Holder Screw for 176299 and 176352        |
| 140227J  | 22670 | Looper Driving Shaft Frame Crank (back) Hinge Bracket Screw for 176-32 and 176-33 Machines (2)  |
| 140227J  | 22670 | Looper Driving Shaft Frame Crank (front) Hinge Bracket Screw for 176-32 and 176-33 Machines (2) |
| 140227J  | 22670 | Looper Driving Shaft Frame Crank (front) Hinge Bracket Holder Screw for 176273 and 176354       |
| 140366C  | 22662 | Feeding Disc (back) Worm Wheel Clutch (brake) Screw for 176-31 and 176-32 Machines (3)          |
| 140398C  | 22662 | Feeding Disc (back) Worm Wheel Clutch Driving Lever Screw Stud for 176-31 and 176-32 Machines   |
| 140399C  | 22663 | Feeding Disc (back) Worm Wheel Clutch Shaft Lever Connecting Screw Stud for 176-33 Machine      |
| 140400E  | 22666 | Feeding Disc (front) Arm Pressure Spring Screw for 176-33 Machine                               |
| 140408XC | 22663 | Feeding Disc (back) Worm Wheel Clutch Screw (left) for 176-33 Machine                           |
| 140409C  | 22662 | Feeding Disc (back) Worm Wheel Clutch Sleeve Set Screw for 144449 (2)                           |
| 140489C  | 22662 | Feeding Disc (back) Worm Wheel Clutch Driving Arm Retainer Screw                                |
| 144262   | 22662 | Feeding Disc (back) Worm Wheel Clutch (brake) for 144263                                        |
| 144262   | 22662 | Feeding Disc (back) Worm Wheel Clutch (drive) for 144263                                        |
| 144263   | ..... | Feeding Disc (back) Worm Wheel Clutch (brake) 144262 with three 131726, for 176430 and 176436   |
| 144263   | ..... | Feeding Disc (back) Worm Wheel Clutch (drive) 144262 with three 131726, for 176430 and 176436   |
| 144264   | 22662 | Feeding Disc (back) Worm Wheel Clutch Driving Arm for 176436                                    |
| 144264   | 22663 | Feeding Disc (back) Worm Wheel Clutch Driving Arm (left) for 176430                             |
| 144449   | 22662 | Feeding Disc (back) Worm Wheel Clutch Sleeve with two 140409C, for 176430 and 176436            |

| No.    | Plate | Name                                                                                                                                                                 |
|--------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 150036 | 25461 | Knee Lever Rock Shaft Chain Guide complete for 176399, Nos. 1064R, 62164 and 128815                                                                                  |
| 152011 | 22675 | Feeding Disc Opening Treadle Pitman Rod (upper) Connecting Lever complete, for 176-33 Machine, Nos. 24665, 46850, 152059 and two wood screws 3/4 in. No. 10 R.H.M.F. |
| 152051 | 25464 | Table Belt Hole Guard with two wood screws 7/8 in. No. 10 F.H., for 176-31 and 176-32 Machines                                                                       |
| 152059 | 22675 | Feeding Disc Opening Treadle Pitman Rod (upper) Connecting Lever for 152011                                                                                          |
| 175216 | 22674 | Feeding Disc Opening Treadle for 175219                                                                                                                              |
| 175216 | 22674 | Starting Treadle for 175219                                                                                                                                          |
| 175217 | 22674 | Feeding Disc Opening Treadle Hinge Pin for 175219                                                                                                                    |
| 175217 | 22674 | Starting Treadle Hinge Pin for 175219                                                                                                                                |
| 175218 | 22674 | Feeding Disc Opening Treadle Stand for 175219                                                                                                                        |
| 175218 | 22674 | Starting Treadle Stand for 175219                                                                                                                                    |
| 175219 | 22674 | Feeding Disc Opening Treadle complete, Nos. 175216, 175217, 175218 and two wood screws 1 in. No. 14 F.H.                                                             |
| 175219 | 22674 | Starting Treadle complete, Nos. 175216, 175217, 175218 and two wood screws 1 in. No. 14 F.H.                                                                         |
| 176005 | 22659 | Machine Driving Pulley Shaft Counterbalance for 176282 and 176302                                                                                                    |
| 176006 | 22659 | Machine Driving Pulley Washer (felt) for 176-31 and 176-32 Machines                                                                                                  |
| 176007 | 22659 | Feed Connection for 176243                                                                                                                                           |
| 176009 | 22666 | Feeding Disc (front) Arm Shaft Pin for 176128 (2)                                                                                                                    |
| 176009 | 22667 | Head of Machine Top Cover Steady Pin for 176418, 176420 and 176431 (2)                                                                                               |
| 176011 | 22662 | Feeding Disc (back) with two 889AL (7/64 in. wide feeding surface) for regular work, for 176-31 and 176-32 Machines                                                  |
|        |       | NOTE: No. 176011 is regularly furnished with No. 176-31 and 176-32 Machines.                                                                                         |
| 176012 | 22662 | Feeding Disc (back) Shaft for 176-31 and 176-32 Machines                                                                                                             |
| 176014 | 22662 | Feeding Disc (back) Worm Gear with two 889AL, for 176-31 and 176-32 Machines                                                                                         |
| 176028 | 22664 | Feeding Disc (front) 7/64 in. wide feeding surface for 176221 and 176223                                                                                             |
| 176030 | 22664 | Feeding Disc (front) Arm with 1396AL and two 176036, for 176-31 and 176-32 Machines                                                                                  |
| 176033 | 22664 | Feeding Disc (front) Pressure Spring for 176-31 and 176-32 Machines                                                                                                  |
| 176036 | 22664 | Feeding Disc (front) Arm Shaft Pin for 176030 (2)                                                                                                                    |
| 176037 | 22664 | Feeding Disc (front) Bearing Screw Stud for 176221, 176223 and 176400                                                                                                |
| 176038 | 22664 | Feeding Disc (front) Roller for 176221, 176223 and 176400 (12)                                                                                                       |
| 176045 | 22667 | Head of Machine Top Cover Thread Eyelet for 176338, 176339 and 176440                                                                                                |
| 176050 | 22669 | Needle Bar (hollow) for 176065 and 176216                                                                                                                            |
| 176057 | 22669 | Looper Driving Shaft Frame Hinge Screw Stud for 176-31 Machine                                                                                                       |
| 176062 | 22669 | Looper Oscillating Crank Ball for 176234                                                                                                                             |
| 176065 | ..... | Needle Bar 176050 with 176075, for 176066                                                                                                                            |
| 176066 | ..... | Needle Bar complete, for 176-31 Machine, Nos. 140082F, 140083F, 140084F, 176065, 176070, 176071, 176073 and 176074                                                   |
| 176067 | 22669 | Needle Bar Bushing with 176101, for 176-31 and 176-32 Machines                                                                                                       |
| 176070 | 22669 | Needle Bar Thread Guide for 176066 and 176217                                                                                                                        |
| 176071 | 22669 | Needle Bar Thread Nipper Screw Bushing for 176066 and 176217                                                                                                         |
| 176072 | 22669 | Needle Bar Thread Nipper Slide Rod for 176-31 Machine                                                                                                                |

| No.    | Plate | Name                                                                                                                       |
|--------|-------|----------------------------------------------------------------------------------------------------------------------------|
| 176073 | 22669 | Needle Bar Thread Nipper Spring for 176066 and 176217                                                                      |
| 176074 | 22669 | Needle Clamp for 176066 and 176217                                                                                         |
| 176075 | 22669 | Needle Clamp Steady Pin for 176065 and 176216                                                                              |
| 176077 | 22662 | Stitch Indicator for 176412                                                                                                |
| 176081 | 22671 | Needle Bar for 176161                                                                                                      |
| 176082 | 22662 | Stitch Regulating Screw Stud Washer for 176290                                                                             |
| 176084 | 22667 | Tension Spring for 176085                                                                                                  |
| 176085 | 22667 | Tension complete, Nos. 58592, 176084 and two 2102                                                                          |
| 176085 | 25466 | Tension complete for 176443, Nos. 58592, 176084 and two 2102                                                               |
| 176086 |       | Work Guide for 176-31 and 176-32 Machines                                                                                  |
| 176087 |       | Belt, 5/16 in. round, 36 in. long with 25029, for 176-33 Machine (Accessories)                                             |
| 176088 |       | Belt Hook for 176203                                                                                                       |
| 176089 | 22672 | Tweezers (Accessories)                                                                                                     |
| 176090 | 25462 | Machine Base with four wood screws 1 in. No. 10 F.H. (with provision for Oil Drain Cock) for 176-31 and 176-32 Machines    |
| 176091 | 22674 | Feeding Disc Opening Treadle Pitman Rod complete, Nos. 80223 and two each 46848 and 123183                                 |
| 176091 | 22674 | Starting Treadle Pitman Rod complete Nos. 80223 and two each 46848 and 123183                                              |
| 176101 | 22669 | Needle Bar Bushing Steady Pin for 176067                                                                                   |
| 176102 | 22661 | Machine Driving Pulley Shaft for 176-33 Machine                                                                            |
| 176103 | 22661 | Machine Driving Pulley Shaft Bushing (left) for 176-33 Machine                                                             |
| 176104 | 22661 | Machine Driving Pulley Shaft Bushing (right) for 176-33 Machine                                                            |
| 176105 | 22661 | Machine Driving Pulley Shaft Counterbalance (large) for 176334                                                             |
| 176106 | 22661 | Machine Driving Pulley Shaft Counterbalance (small) for 176334                                                             |
| 176107 | 22661 | Machine Driving Pulley Washer (felt) for 176-33 Machine                                                                    |
| 176108 | 22661 | Feed Connection for 176322                                                                                                 |
| 176109 | 22661 | Feed Eccentric with 889AL, for 176322                                                                                      |
| 176110 | 22661 | Feed Eccentric Pin for 176-33 Machine                                                                                      |
| 176110 | 22661 | Needle Bar Eccentric Pin for 176-33 Machine                                                                                |
| 176112 | 22663 | Feeding Disc (back) with two 445C, for 176-33 Machine                                                                      |
| 176113 | 22663 | Feeding Disc (back) Shaft for 176-33 Machine                                                                               |
| 176114 | 22663 | Feeding Disc (back) Shaft Reinforcing Sleeve with two 445C, for 176-33 Machine                                             |
| 176126 | 22666 | Feeding Disc (front) for 176224                                                                                            |
| 176128 | 22666 | Feeding Disc (front) Arm with 1396AL and two 176009, for 176-33 Machine                                                    |
| 176129 | 22666 | Feeding Disc (front) Arm Bell Crank for 176-33 Machine                                                                     |
| 176130 | 22666 | Feeding Disc (front) Arm Bell Crank Shaft for 176-33 Machine                                                               |
| 176134 | 22666 | Feeding Disc (front) Roller for 176224 (14)                                                                                |
| 176140 | 22671 | Looper for 176-33 Machine                                                                                                  |
| 176141 | 22671 | Looper Clamping Nut for 176351                                                                                             |
| 176142 | 22661 | Looper Driving Eccentric with 889AL, for 176333                                                                            |
| 176145 | 22671 | Looper Driving Shaft Frame for 176351                                                                                      |
| 176150 | 22663 | Feeding Disc (back) Worm Gear with two 445C, for 176-33 Machine                                                            |
| 176155 | 22661 | Looper Oscillating Cam with 889AL, for 176334                                                                              |
| 176156 | 22661 | Looper Oscillating Cam Pin for 176-33 Machine                                                                              |
| 176158 | 22671 | Looper Oscillating Crank Ball for 176-33 Machine                                                                           |
| 176159 | 22671 | Looper Oscillating Crank Ball Stud for 176-33 Machine                                                                      |
| 176161 |       | Needle Bar 176081 with Needle Clamp Body for 176162                                                                        |
| 176162 |       | Needle Bar complete, for 176-33 Machine, Nos. 140082F, 140089F, 140090F, 176161, 176168, 176169, 176171, 176172 and 176174 |
| 176163 | 22671 | Needle Bar Bushing with 176164, for 176-33 Machine                                                                         |

| No.    | Plate | Name                                                                                                                                                                         |
|--------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 176164 | 22671 | Needle Bar Bushing Steady Pin for 176163                                                                                                                                     |
| 176166 | 22661 | Needle Bar Eccentric with 889AL, for 176381                                                                                                                                  |
| 176168 | 22671 | Needle Bar Thread Guide for 176162                                                                                                                                           |
| 176169 | 22671 | Needle Bar Thread Nipper Screw Bushing for 176162                                                                                                                            |
| 176170 | 22671 | Needle Bar Thread Nipper Slide Rod for 176-33 Machine                                                                                                                        |
| 176171 | 22671 | Needle Bar Thread Nipper Spring for 176162                                                                                                                                   |
| 176172 | 22671 | Needle Clamp for 176162                                                                                                                                                      |
| 176174 | 22671 | Needle Clamp Steady Pin for 176162                                                                                                                                           |
| 176175 | 22666 | Needle Guide for 176224                                                                                                                                                      |
| 176176 | 22663 | Stitch Indicator for 176424                                                                                                                                                  |
| 176181 | 22663 | Stitch Regulating Screw Stud Nut Washer for 176424                                                                                                                           |
| 176182 | 22663 | Stitch Regulating Screw Stud Slide Block for 176424                                                                                                                          |
| 176184 | 25463 | Machine Base with four wood screws 1 in. No. 10 F.H. (with provision for Oil Drain Cock) for 176-33 Machine                                                                  |
| 176185 | 22675 | Feeding Disc Opening Treadle Pitman Rod (upper) Connecting Lever Chain (8 links) for 176-33 Machine                                                                          |
| 176186 | 22666 | Feeding Disc (front) Bearing Screw Stud for 176224                                                                                                                           |
| 176202 | 22673 | Wrench for 176141, for 176-33 Machine (Accessories)                                                                                                                          |
| 176203 |       | Belt, 1/4 in. round, 36 in. long with 176088, for 176-31 and 176-32 Machines (Accessories)                                                                                   |
| 176209 | 22670 | Looper for 176-32 Machine                                                                                                                                                    |
| 176213 | 22670 | Needle Bar Thread Nipper Slide Rod for 176-32 Machine                                                                                                                        |
| 176216 |       | Needle Bar 176050 with 176075, for 176217                                                                                                                                    |
| 176217 |       | Needle Bar complete, for 176-32 Machine, Nos. 140082F, 140083F, 140084F, 176070, 176071, 176073, 176074 and 176216                                                           |
| 176221 | 22664 | Feeding Disc (front) 176028 with 50128F, 176037, 176287 and twelve 176038, for regular work, for 176-31 Machine                                                              |
| 176223 | 22665 | NOTE: No. 176221 is regularly furnished with 176-31 Machine. Feeding Disc (front) 176028 with 50128F, 176037, 176304 and twelve 176038, for regular work, for 176-32 Machine |
| 176224 | 22666 | Feeding Disc (front) 176126 with 51285F, 176175, 176186 and fourteen 176134, for 176-33 Machine                                                                              |
| 176234 |       | Looper Oscillating Crank Ball 176062 with 176340, for 176-31 and 176-32 Machines                                                                                             |
| 176238 | 22659 | Machine Driving Pulley Shaft for 176-31 and 176-32 Machines                                                                                                                  |
| 176239 | 22659 | Machine Driving Pulley Shaft Bushing (left) for 176-31 and 176-32 Machines                                                                                                   |
| 176240 | 22659 | Machine Driving Pulley Shaft Bushing (left) Oil Pad (felt) for 176-31 and 176-32 Machines                                                                                    |
| 176241 | 22659 | Machine Driving Pulley Shaft Bushing (right) for 176-31 and 176-32 Machines                                                                                                  |
| 176242 | 22659 | Machine Driving Pulley Shaft Bushing (right) Oil Pad (felt) for 176-31 and 176-32 Machines                                                                                   |
| 176243 |       | Feed Connection 176007 with 176244, for 176-31 and 176-32 Machines                                                                                                           |
| 176244 | 22659 | Feed Eccentric with two 1036AL, for 176243                                                                                                                                   |
| 176249 | 22662 | Feeding Disc (back) Shaft Spacing Collar with two 50150AL, for 176-31 and 176-32 Machines                                                                                    |
| 176257 | 22664 | Feeding Disc (front) Arm Bell Crank Shaft for 176-31 and 176-32 Machines                                                                                                     |
| 176260 | 22667 | Head of Machine Front Cover Lock Stud for 176-31 and 176-32 Machines (2)                                                                                                     |
| 176261 | 22669 | Head of Machine Oil Wick for oiling Looper Driving Shaft Frame (front) Bearing for 176418 and 176420                                                                         |
| 176262 | 22659 | Looper Driving Eccentric for 176336                                                                                                                                          |
| 176263 | 22659 | Looper Driving Eccentric Position Pin for 176280 and 176300                                                                                                                  |
| 176264 | 22659 | Looper Driving Eccentric Sleeve for 176336                                                                                                                                   |
| 176265 | 22669 | Looper Driving Eccentric Sleeve Position Plate for 176266 and 176295                                                                                                         |

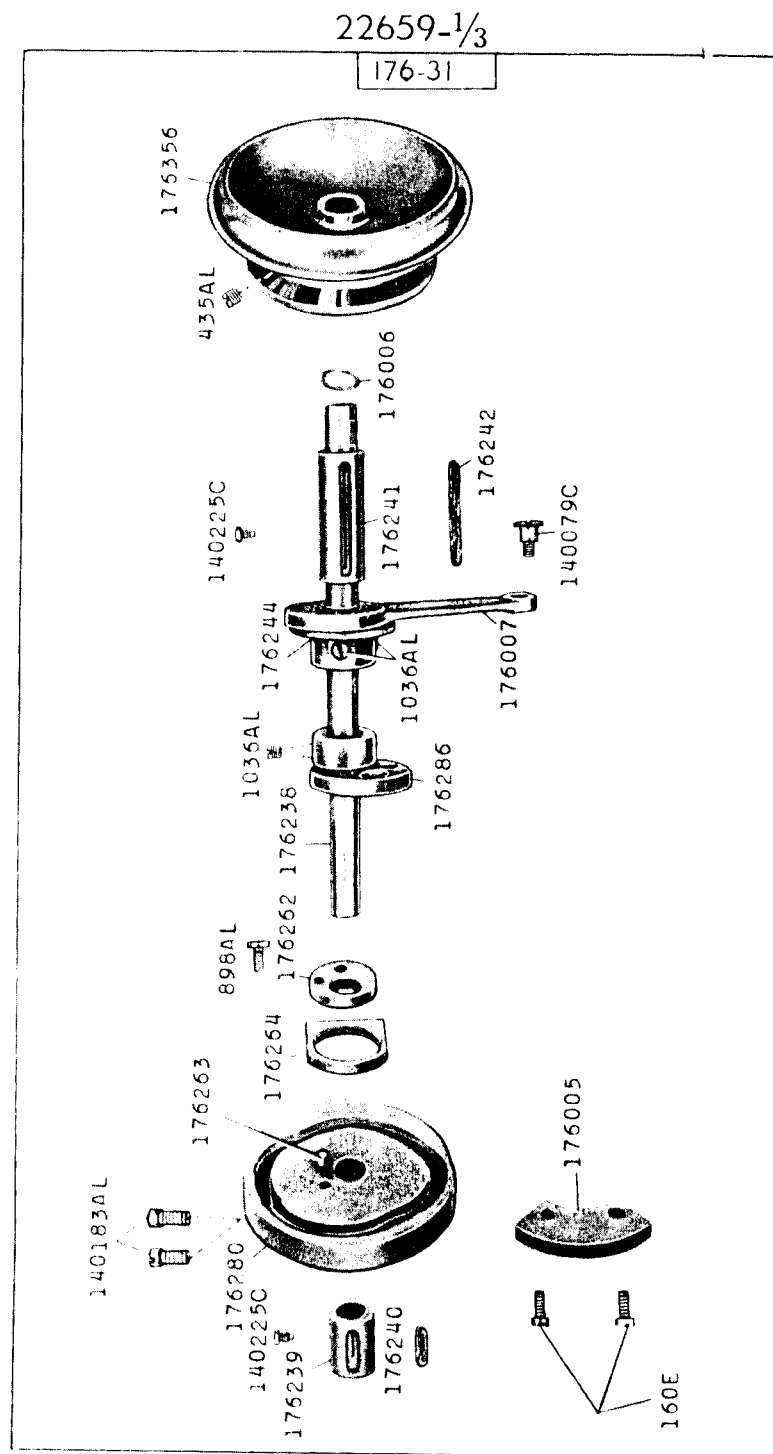
| No.    | Plate | Name                                                                                                                              |
|--------|-------|-----------------------------------------------------------------------------------------------------------------------------------|
| 176266 | 22669 | Looper Driving Shaft Frame with 176265 and two each 1329E and 176306, for 176362                                                  |
| 176269 | 22669 | Looper Driving Shaft Frame Crank with 42639, for 176270                                                                           |
| 176269 | 22670 | Looper Driving Shaft Frame Crank (back) with 42639, for 176270                                                                    |
| 176269 | 22670 | Looper Driving Shaft Frame Crank (front) with 42639, for 176270                                                                   |
| 176270 |       | Looper Driving Shaft Frame Crank 176269 with 602J and 176274, for 176271                                                          |
| 176270 |       | Looper Driving Shaft Frame Crank (back) 176269 with 602J and 176274, for 176298                                                   |
| 176270 |       | Looper Driving Shaft Frame Crank (front) 176269 with 602J and 176274, for 176271                                                  |
| 176271 |       | Looper Driving Shaft Frame Crank 176270 with 38635, 51669J and 176273, for 176363                                                 |
| 176271 |       | Looper Driving Shaft Frame Crank (front) 176270 with 38635, 51669J and 176273, for 176365                                         |
| 176273 | 22669 | Looper Driving Shaft Frame Crank Hinge Bracket Holder complete, for 176271, Nos. 127848 and 140227J                               |
| 176273 | 22670 | Looper Driving Shaft Frame Crank (front) Hinge Bracket Holder complete for 176271, Nos. 127848 and 140227J                        |
| 176274 | 22669 | Looper Driving Shaft Frame Crank Wearing Sleeve (.3125 in. diam.) for 176270                                                      |
| 176275 |       | Looper Driving Shaft Frame Crank Wearing Sleeve (.313 in. diam.) for 176-31 and 176-32 Machines                                   |
| 176276 |       | Looper Driving Shaft Frame Crank Wearing Sleeve (.3135 in. diam.) for 176-31 and 176-32 Machines                                  |
| 176277 |       | Looper Driving Shaft Frame Crank Wearing Sleeve (.314 in. diam.) for 176-31 and 176-32 Machines                                   |
| 176278 |       | Looper Driving Shaft Frame Crank Wearing Sleeve (.3145 in. diam.) for 176-31 and 176-32 Machines                                  |
| 176279 |       | Looper Driving Shaft Frame Crank Wearing Sleeve (.315 in. diam.) for 176-31 and 176-32 Machines                                   |
| 176280 | 22659 | NOTE: Nos. 176275 to 176279 are to be furnished for repairs only. Looper Oscillating Cam with 176263 and two 140183AL, for 176282 |
| 176282 |       | Looper Oscillating Cam 176280 with 176005 and two 160E, for 176-31 Machine                                                        |
| 176284 | 22669 | Needle Bar Connection with two 171AL, for 176-31 and 176-32 Machines                                                              |
| 176285 | 22669 | Needle Bar Connection Guide Rod for 176-31 and 176-32 Machines                                                                    |
| 176286 | 22659 | Needle Bar Eccentric with two 1036AL, for 176-31 Machine                                                                          |
| 176287 | 22664 | Needle Guide for regular work for 176221                                                                                          |
| 176290 |       | Stitch Regulating Screw Stud 176435 with 1650C, 176082 and 176291, for 176412                                                     |
| 176291 | 22662 | Stitch Regulating Screw Stud Slide Block for 176290                                                                               |
| 176295 | 22670 | Looper Driving Shaft Frame with 176265 and two each 1329E and 176306, for 176364                                                  |
| 176298 |       | Looper Driving Shaft Frame Crank (back) 176270 with 38635, 51669J and 176299, for 176365                                          |
| 176299 | 22670 | Looper Driving Shaft Frame Crank (back) Hinge Bracket Holder complete for 176298, Nos. 127848 and 140227J                         |
| 176300 | 22660 | Looper Oscillating Cam with 176263 and two 140183AL, for 176302                                                                   |
| 176302 |       | Looper Oscillating Cam 176300 with 176005 and two 160E, for 176-32 Machine                                                        |
| 176303 | 22660 | Needle Bar Eccentric with two 1036AL, for 176-32 Machine                                                                          |
| 176304 | 22665 | Needle Guide for regular work for 176223                                                                                          |
| 176305 | 25464 | Spool Holder with two 919R, for 176-31 and 176-32 Machines                                                                        |
| 176306 | 22669 | Looper Driving Shaft Frame Oil Wick for Oiling Looper Driving Eccentric for 176266 and 176295 (2)                                 |

| No.                                                                                                              | Plate | Name                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------|
| 176314                                                                                                           | 22668 | Head of Machine Front Cover for 176-33 Machine                                                                                      |
| 176318                                                                                                           | 22674 | Feeding Disc Opening Treadle Pitman Rod (upper) Connecting Lever Chain (seven links) with two 39576, for 176-31 and 176-32 Machines |
| 176322                                                                                                           |       | Feed Connection 176108 with 176109 for 176-33 Machine                                                                               |
| 176325                                                                                                           | 22671 | Looper Driving Shaft Frame Crank (back) with 42639, for 176326                                                                      |
| 176325                                                                                                           | 22671 | Looper Driving Shaft Frame Crank (front) with 42639, for 176326                                                                     |
| 176326                                                                                                           |       | Looper Driving Shaft Frame Crank (back) 176325 with 810J and 176327, for 176353                                                     |
| 176326                                                                                                           |       | Looper Driving Shaft Frame Crank (front) 176325 with 810J and 176327, for 176355                                                    |
| 176327                                                                                                           | 22671 | Looper Driving Shaft Frame Crank Wearing Sleeve (.375 in. diam.) for 176326 (2)                                                     |
| 176328                                                                                                           |       | Looper Driving Shaft Frame Crank Wearing Sleeve (.3755 in. diam.) for 176-33 Machine                                                |
| 176329                                                                                                           |       | Looper Driving Shaft Frame Crank Wearing Sleeve (.376 in. diam.) for 176-33 Machine                                                 |
| 176330                                                                                                           |       | Looper Driving Shaft Frame Crank Wearing Sleeve (.3765 in. diam.) for 176-33 Machine                                                |
| 176331                                                                                                           |       | Looper Driving Shaft Frame Crank Wearing Sleeve (.377 in. diam.) for 176-33 Machine                                                 |
| 176332                                                                                                           |       | Looper Driving Shaft Frame Crank Wearing Sleeve (.3775 in. diam.) for 176-33 Machine                                                |
| 176333                                                                                                           |       | NOTE: Nos. 176328 to 176332 are to be furnished for repairs only. Looper Driving Eccentric 176142 with 176334, for 176-33 Machine   |
| 176334                                                                                                           |       | Looper Oscillating Cam 176155 with 145E, 159E, 176105 and 176106, for 176333                                                        |
| 176336                                                                                                           |       | Looper Driving Eccentric Sleeve 176264 with 176262, for 176362 and 176364                                                           |
| 176338                                                                                                           | 22667 | Head of Machine Top Cover with 58549 and two 176045 for 176-31 and 176-32 Machines                                                  |
| 176339                                                                                                           | 22668 | Head of Machine Top Cover with three 176045, for 176-33 Machine                                                                     |
| 176340                                                                                                           | 22669 | Looper Oscillating Crank Ball Stud for 176234                                                                                       |
| 176344                                                                                                           | 22663 | Stitch Regulating Screw Stud for 176424                                                                                             |
| 176345                                                                                                           | 22671 | Work Guide for 176347                                                                                                               |
| 176347                                                                                                           | 22671 | Work Guide 176345 with 162J and 176349, for 176-33 Machine                                                                          |
| 176349                                                                                                           | 22671 | Work Guide Bracket with 889AL, for 176347                                                                                           |
| 176351                                                                                                           |       | Looper Driving Shaft Frame 176145 with 176141, 176353, 176355, 176366 and 176367, for 176-33 Machine                                |
| 176352                                                                                                           | 22671 | Looper Driving Shaft Frame Crank (back) Hinge Bracket Holder with 140227J, for 176353                                               |
| 176353                                                                                                           |       | Looper Driving Shaft Frame Crank (back) Hinge Bracket Holder 176352 with 51672C and 176326, for 176351                              |
| 176354                                                                                                           | 22671 | Looper Driving Shaft Frame Crank (front) Hinge Bracket Holder with 140227J, for 176355                                              |
| 176355                                                                                                           |       | Looper Driving Shaft Frame Crank (front) Hinge Bracket Holder 176354 with 51672C and 176326, for 176351                             |
| 176356                                                                                                           | 22659 | Machine Driving Pulley, "V" Belt Groove (outside diam. of belt groove 2.9 in.) with 435AL, for 176-31 and 176-32 Machines           |
| 176357                                                                                                           | 22661 | Machine Driving Pulley, "V" Belt Groove (outside diam. of belt groove 4.4 in.) with 445C, for 176-33 Machine                        |
| 176358                                                                                                           | 25462 | Machine Base with four wood screws 1 in. No. 10 F.H. (no provision for Oil Drain Cock) for 176-31 and 176-32 Machines               |
| NOTE: No. 176358 is regularly furnished with the 176-31 and 176-32 Machines unless otherwise specified on order. |       |                                                                                                                                     |

## NUMERICAL LIST OF PARTS

| No.                                                                                                  | Plate | Name                                                                                                                               |
|------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------|
| 176359                                                                                               | 25463 | Machine Base with four wood screws 1 in. No. 10 F.H. (no provision for Oil Drain Cock) for 176-33 Machine.....                     |
| NOTE: No. 176359 is regularly furnished with the 176-33 Machine unless otherwise specified on order. |       |                                                                                                                                    |
| 176360                                                                                               | 22669 | Looper Driving Shaft for 176362 and 176364.....                                                                                    |
| 176361                                                                                               | 22669 | Looper Oscillating Crank with 175E and two 50379C, for 176362 and 176364.....                                                      |
| 176362                                                                                               | ..... | Looper Driving Shaft Frame 176266 with 176336, 176360, 176361 and 176368, for 176363.....                                          |
| 176363                                                                                               | ..... | Looper Driving Shaft Frame 176362 with 176271, for 176-31 Machine.....                                                             |
| 176364                                                                                               | ..... | Looper Driving Shaft Frame 176295 with 176336, 176360, 176361 and 176368, for 176365.....                                          |
| 176365                                                                                               | ..... | Looper Driving Shaft Frame 176364 with 176271 and 176298, for 176-32 Machine.....                                                  |
| 176366                                                                                               | 22671 | Looper Driving Shaft for 176351.....                                                                                               |
| 176367                                                                                               | 22671 | Looper Oscillating Crank with 164E and two 1143AL, for 176351.....                                                                 |
| 176368                                                                                               | 22669 | Looper Clamping Nut for 176362 and 176364.....                                                                                     |
| 176369                                                                                               | 22672 | Wrench for 176368, for 176-31 and 176-32 Machine (Accessories).....                                                                |
| 176380                                                                                               | 22671 | Needle Bar Connection with two 51320AL, for 176381.....                                                                            |
| 176381                                                                                               | ..... | Needle Bar Connection 176380 with 176166, for 176-33 Machine.....                                                                  |
| 176382                                                                                               | 22671 | Needle Bar Connection Guide Rod for 176-33 Machine.....                                                                            |
| 176383                                                                                               | ..... | Feeding Disc (back) with two 889AL (.025 in. wide feeding surface) for extra fine Ermine and Mink, for 176-31 Machine.....         |
| 176384                                                                                               | ..... | Feeding Disc (front) .025 in. feeding surface, for 176400.....                                                                     |
| 176388                                                                                               | 22669 | Looper for 176-31 Machine.....                                                                                                     |
| 176393                                                                                               | 25461 | Knee Lever Rock Shaft for 176398.....                                                                                              |
| 176394                                                                                               | 25461 | Knee Lever Rock Shaft Chain with 39576, for 176399.....                                                                            |
| 176395                                                                                               | 25461 | Knee Lever Rock Shaft Hinge Bracket with 176397, for 176398.....                                                                   |
| 176396                                                                                               | 25461 | Knee Lever Rock Shaft Spring for 176398.....                                                                                       |
| 176397                                                                                               | 25461 | Knee Lever Rock Shaft Stop (leather) for 176395.....                                                                               |
| 176398                                                                                               | ..... | Knee Lever Rock Shaft complete, for 176399, Nos. 2768, 6337, 6338, 176393, 176395, 176396 and two 2770.....                        |
| 176399                                                                                               | 25461 | Knee Lever complete, Nos. 150036, 176394, 176398 and three wood screws 1 in. No. 10 F.H.....                                       |
| 176400                                                                                               | ..... | Feeding Disc (front) 176384 with 50128F, 176037, 176401 and twelve 176038, for extra fine Ermine and Mink, for 176-31 Machine..... |
| 176401                                                                                               | ..... | Needle Guide for Ermine and Mink for 176400.....                                                                                   |
| 176411                                                                                               | 22662 | Feed Lever for 176412.....                                                                                                         |
| 176412                                                                                               | ..... | Feed Lever 176411 with 51663J, 176077 and 176290, for 176-31 and 176-32 Machines.....                                              |
| 176413                                                                                               | 22662 | Feeding Disc (back) Worm Wheel with two 889AL, for 176-31 and 176-32 Machines.....                                                 |
| 176415                                                                                               | 22662 | Feeding Disc (back) Worm Wheel Clutch Driving Lever for 176-31 and 176-32 Machines.....                                            |
| 176416                                                                                               | 22662 | Feeding Disc (back) Worm Wheel Clutch Shaft for 176436.....                                                                        |
| 176417                                                                                               | 22664 | Feeding Disc (front) Arm Bell Crank for 176-31 and 176-32 Machines.....                                                            |
| *176418                                                                                              | ..... | Head of Machine with 176261 and two each 130X and 176009, for 176-31 Machine.....                                                  |
| 176419                                                                                               | 22667 | Head of Machine Front Cover for 176-31 and 176-32 Machines.....                                                                    |
| *176420                                                                                              | ..... | Head of Machine with 176261 and two each 130X and 176009, for 176-32 Machine.....                                                  |
| 176423                                                                                               | 22663 | Feed Lever for 176424.....                                                                                                         |
| 176424                                                                                               | ..... | Feed Lever 176423 with 1684C, 51666J, 176176, 176181, 176182 and 176344, for 176-33 Machine.....                                   |

| No.     | Plate | Name                                                                                                                                                                       |
|---------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 176426  | 22663 | Feeding Disc (back) Worm Wheel Clutch Driving Arm (right) for 176430.                                                                                                      |
| 176428  | 22663 | Feeding Disc (back) Worm Wheel Clutch Shaft for 176430.                                                                                                                    |
| 176429  | 22663 | Feeding Disc (back) Worm Wheel Clutch Shaft Lever for 176-33 Machine.                                                                                                      |
| 176430  | ..... | Feeding Disc (back) Worm Wheel Clutch complete for 176-33 Machine, Nos. 144264, 144449, 176426, 176428, two 144263 and six each 1255C, 68152, 131717 and 131718.           |
| *176431 | ..... | Head of Machine with two 176009, for 176-33 Machine.                                                                                                                       |
| 176434  | 22666 | Feeding Disc (front) Arm Pressure Spring for 176-33 Machine.                                                                                                               |
| 176435  | 22662 | Stitch Regulating Screw Stud for 176290.                                                                                                                                   |
| 176436  | ..... | Feeding Disc (back) Worm Wheel Clutch complete for 176-31 and 176-32 Machines, Nos. 144264, 144449, 176416, two 144263, three 1255C and six each 68152, 131717 and 131718. |
| 176439  | 25466 | Head of Machine Top Cover for 176440.                                                                                                                                      |
| 176440  | 25466 | Head of Machine Top Cover 176439 with 58549 and four 176045, for 176446.                                                                                                   |
| 176441  | 25466 | Looper for 176446.                                                                                                                                                         |
| 176442  | 25466 | Tension Bracket for 176443.                                                                                                                                                |
| 176443  | 25466 | Tension Bracket 176442 with 1637J and 176085, for 176446.                                                                                                                  |
| 176444  | 25466 | Thread Take-up Arm and Thread Guide for 176445.                                                                                                                            |
| 176445  | 25466 | Thread Take-up complete for 176446, Nos. 1700J, 95652 and 176444.                                                                                                          |
| 176446  | 25466 | Set of Parts complete for Two-thread Seaming, for 176-31 and 176-32 Machines, Nos. 50128R, 176440, 176441, 176443 and 176445.                                              |
| 176447  | 22662 | Feeding Disc (back) Worm Wheel Clutch Driving Arm Retainer.                                                                                                                |
| 176448  | 22663 | Feeding Disc (back) Worm Wheel with two 889AL, for 176-33 Machine.                                                                                                         |

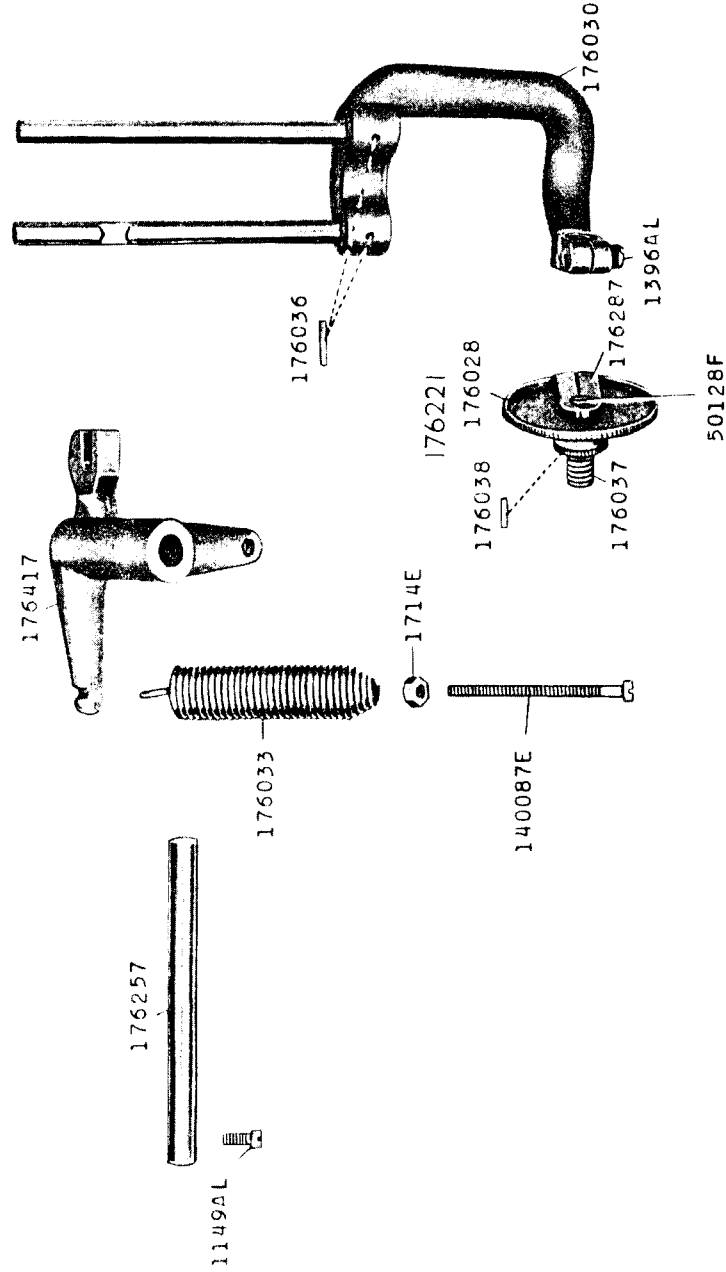






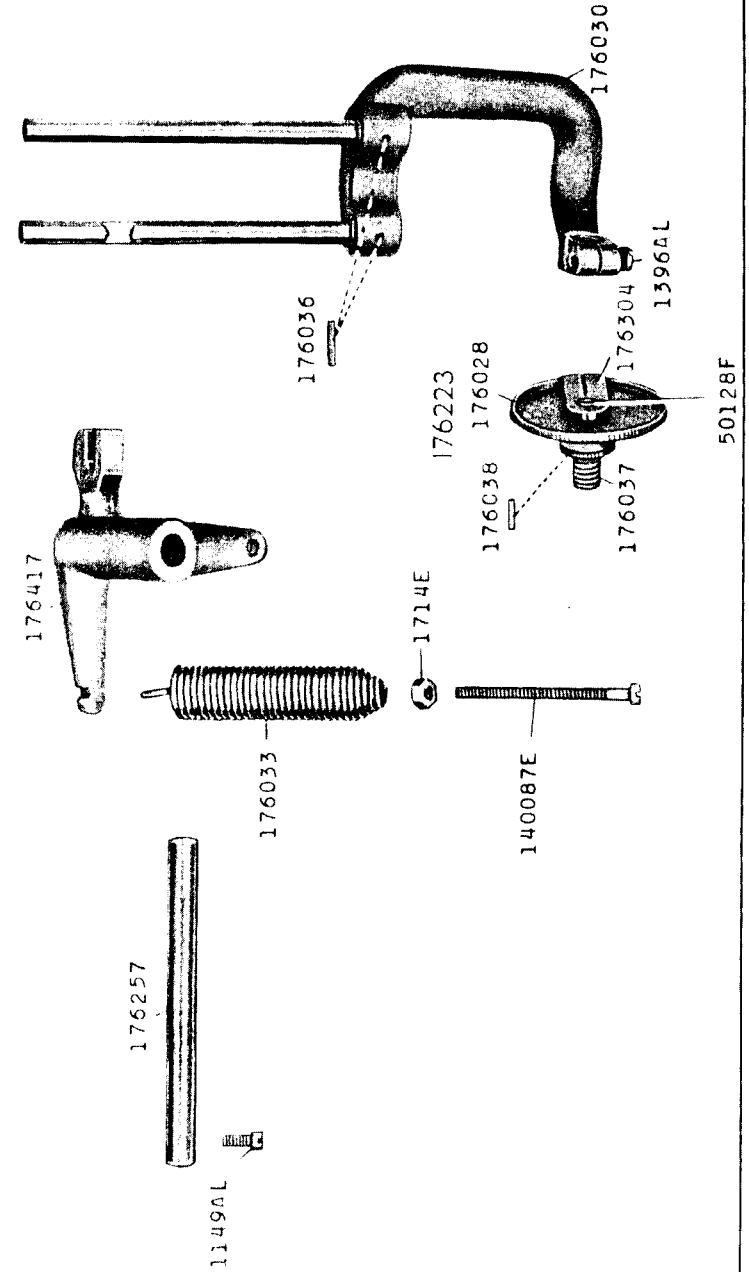
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176-31



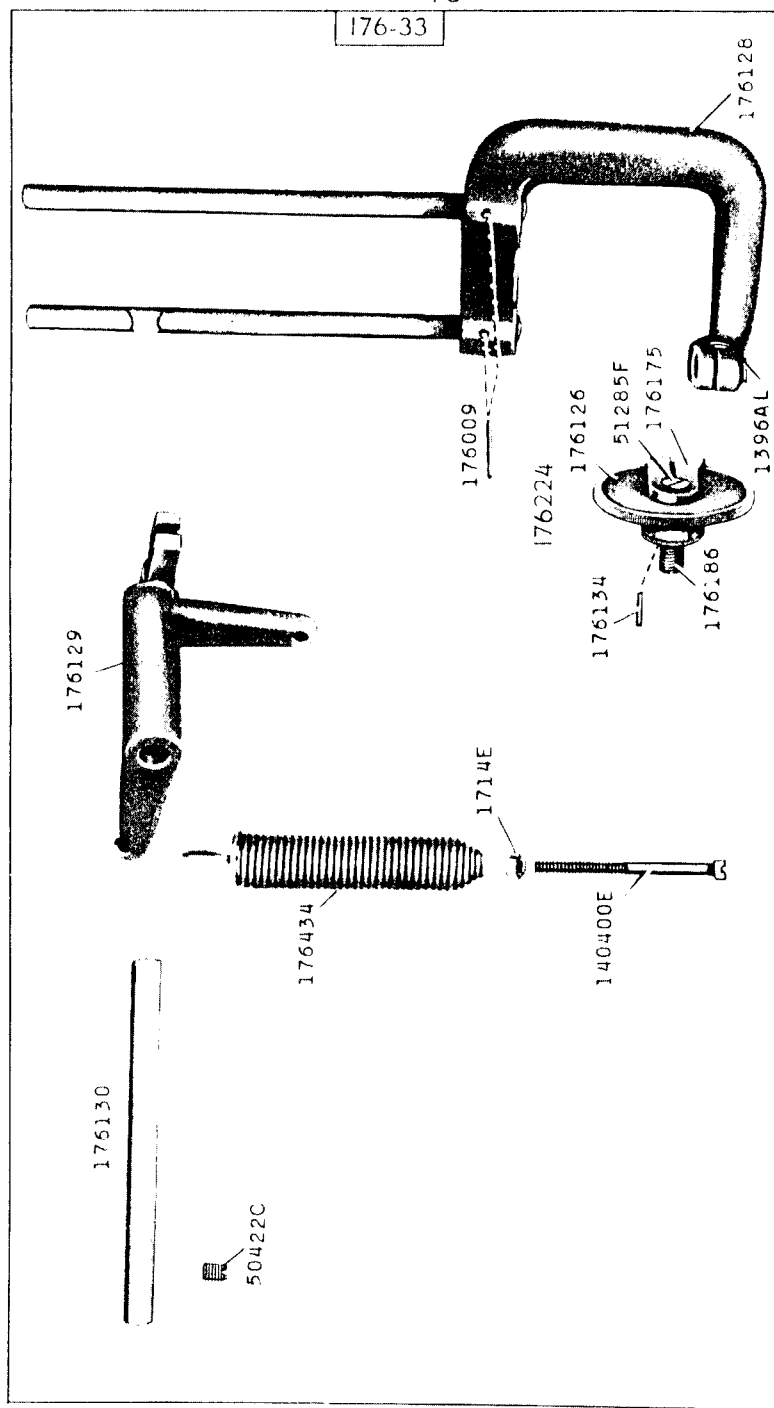
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176-32



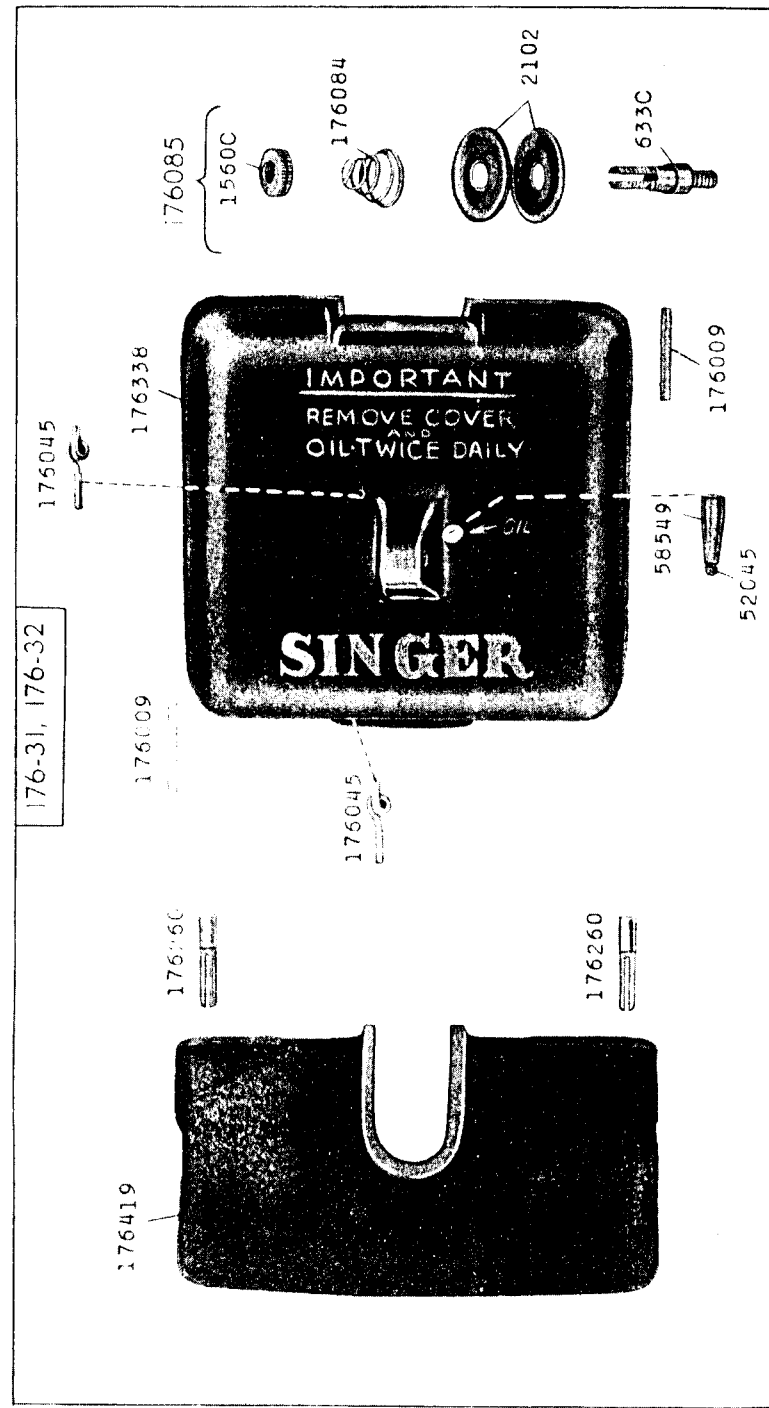
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176-33



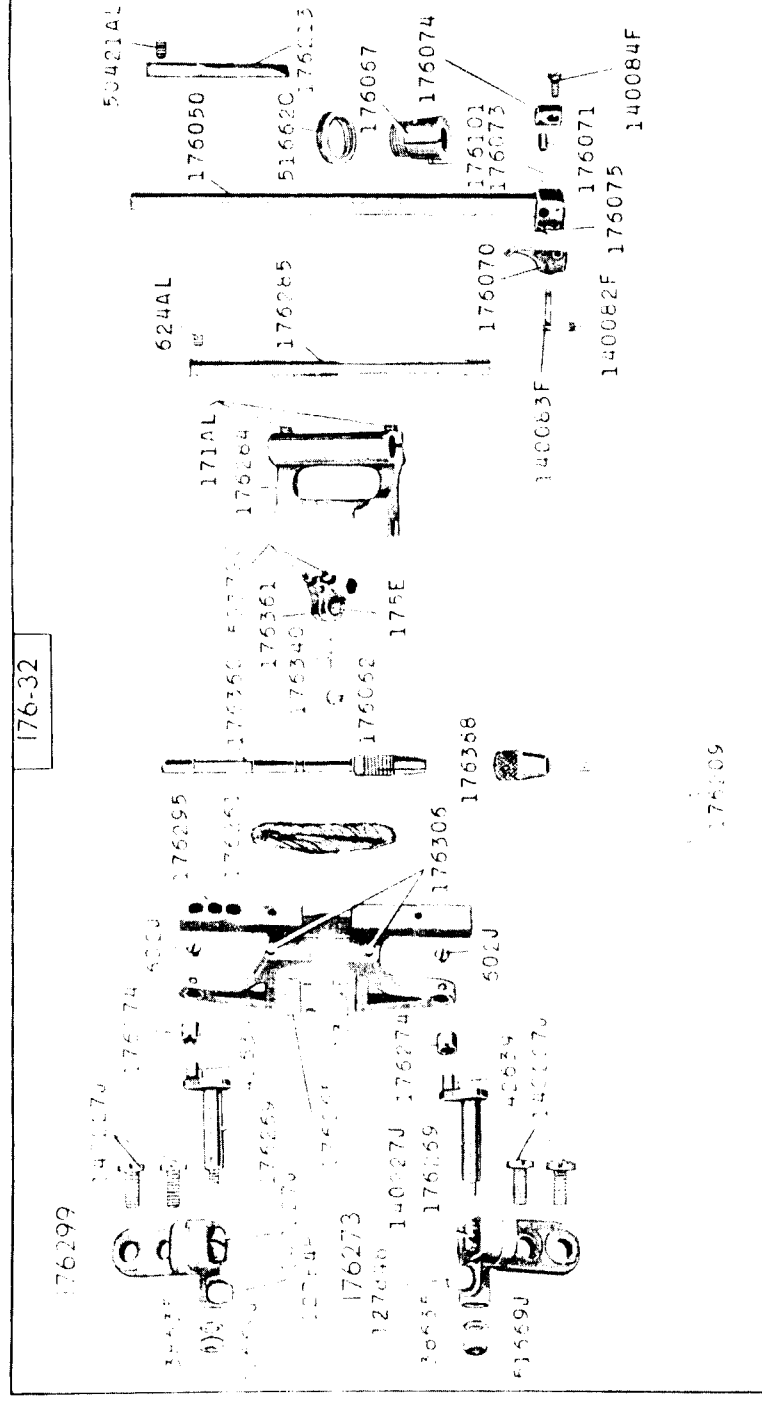
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176-31, 176-32

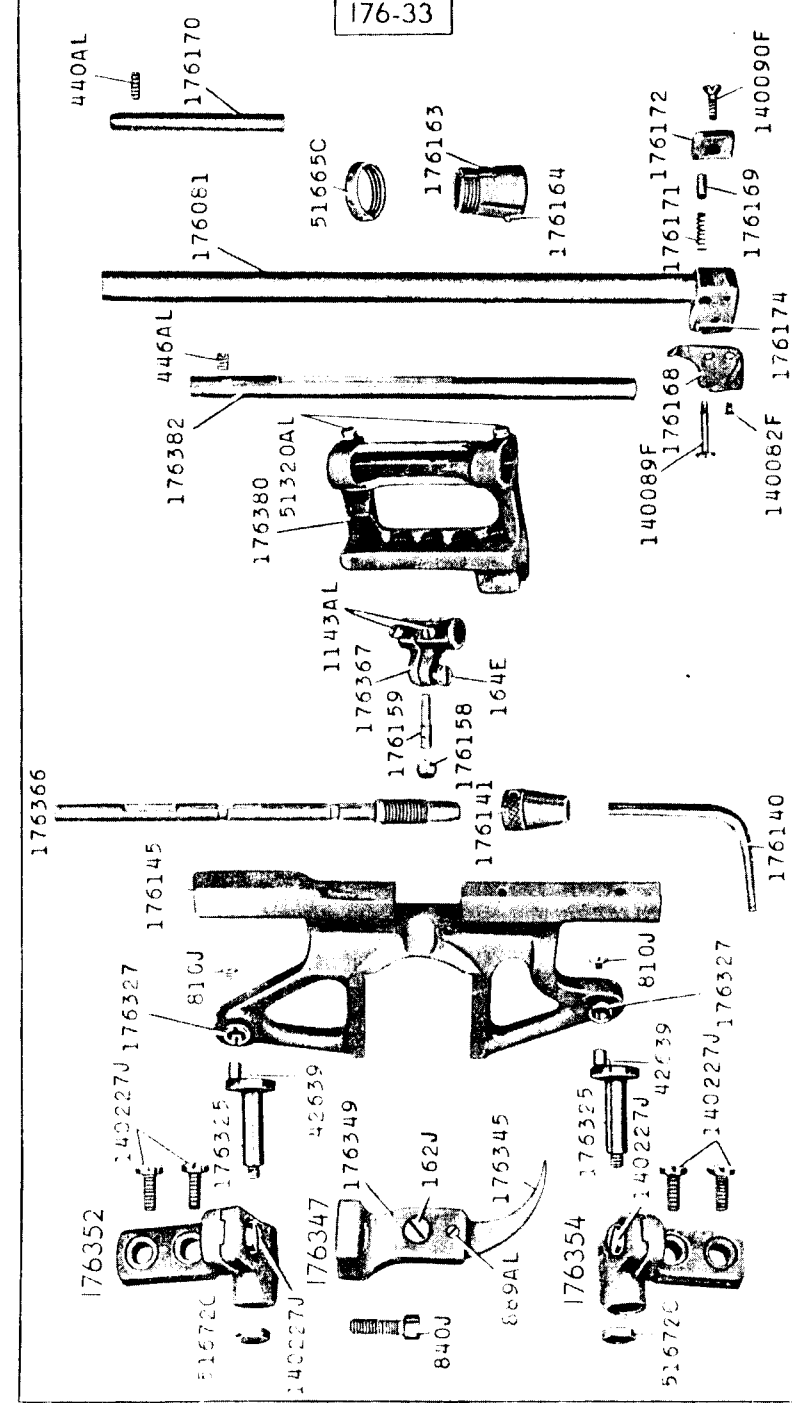




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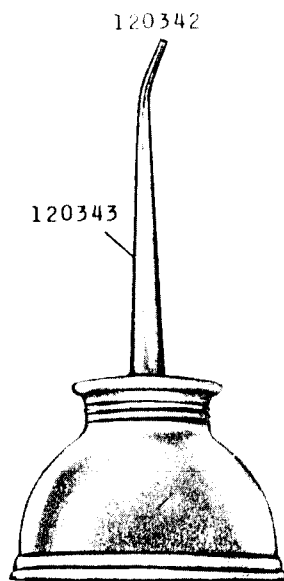


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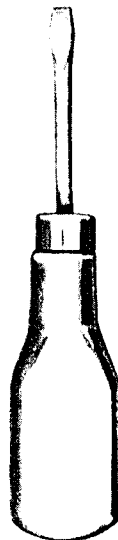
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176089



26026

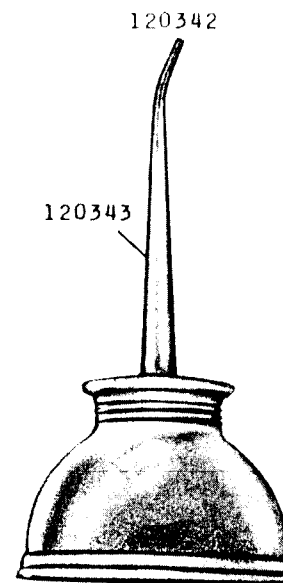


176359



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176089



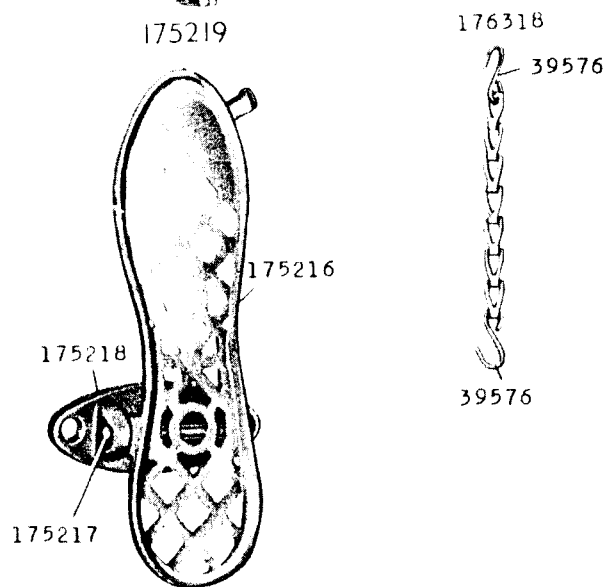
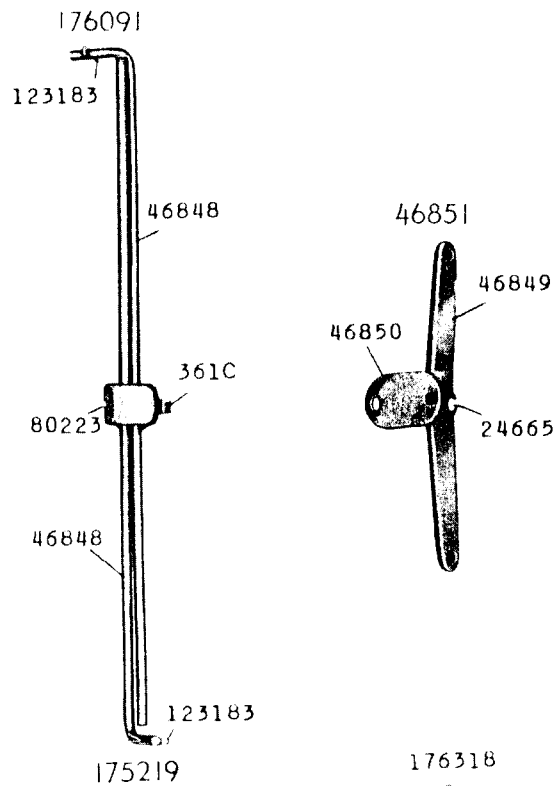
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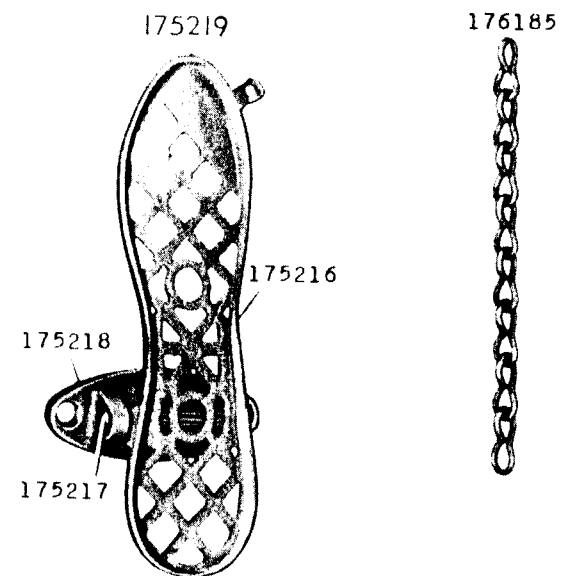
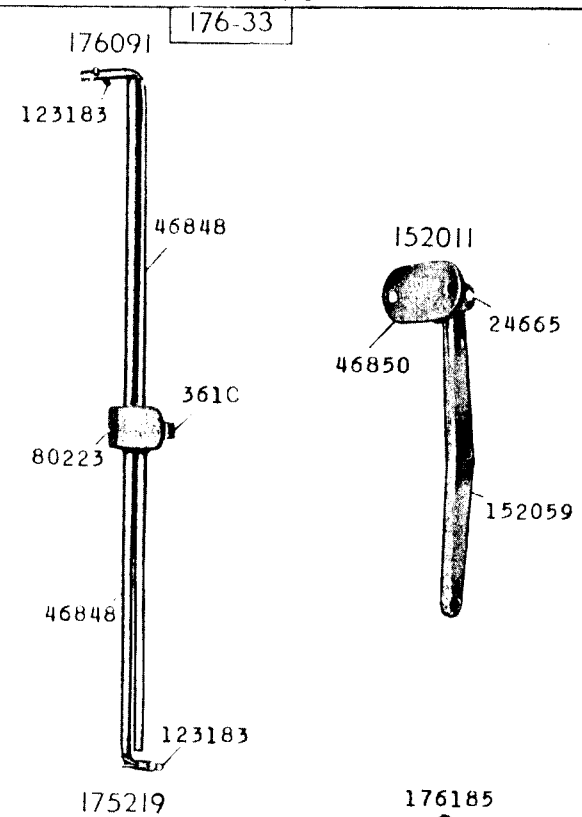


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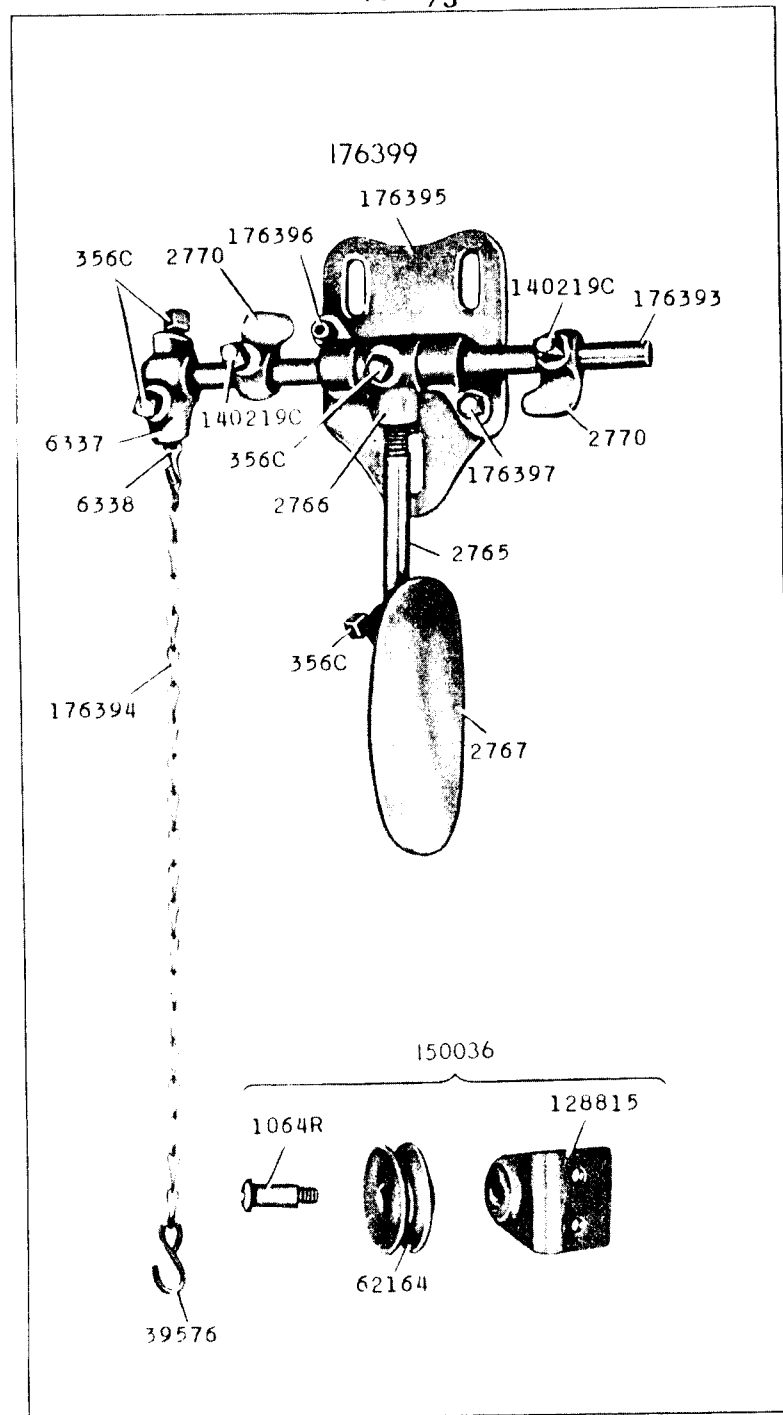


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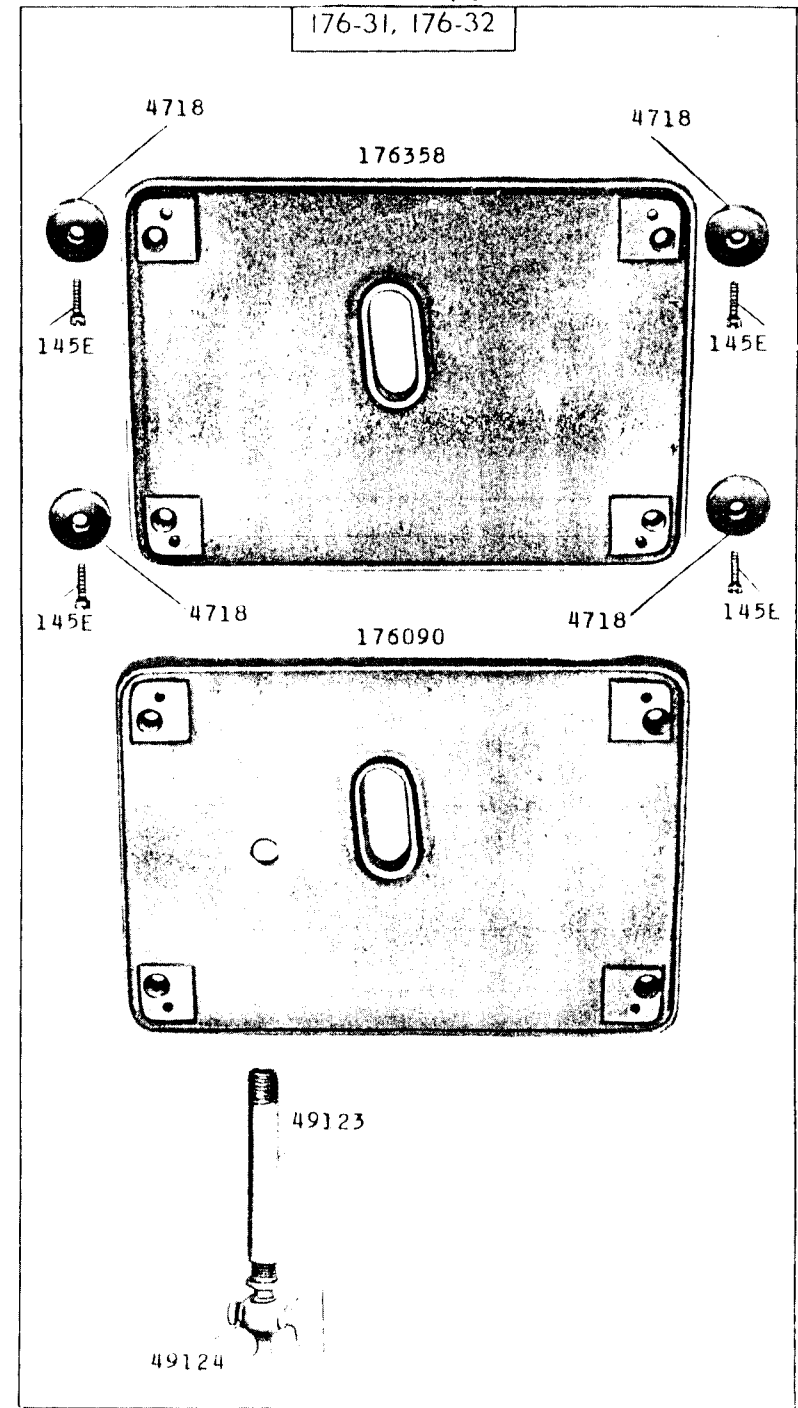


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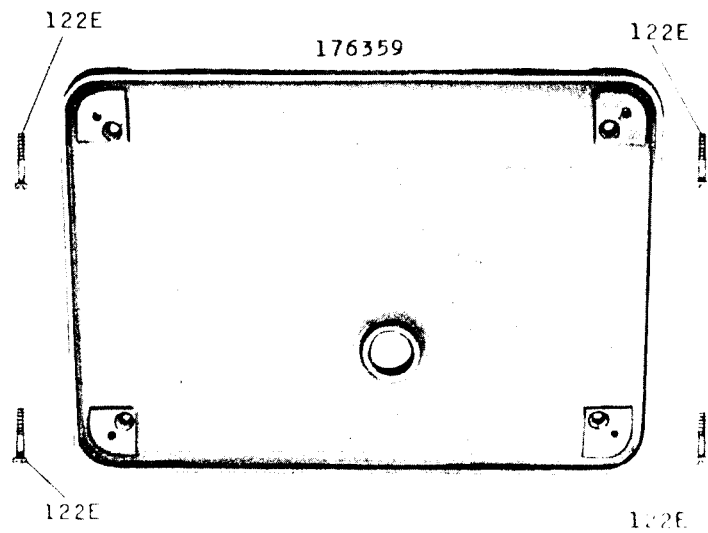
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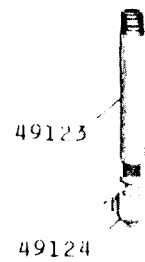
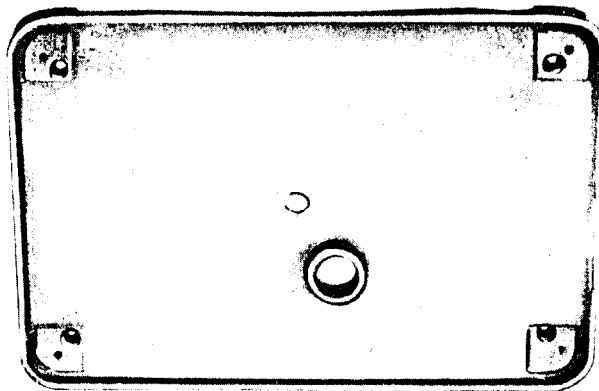


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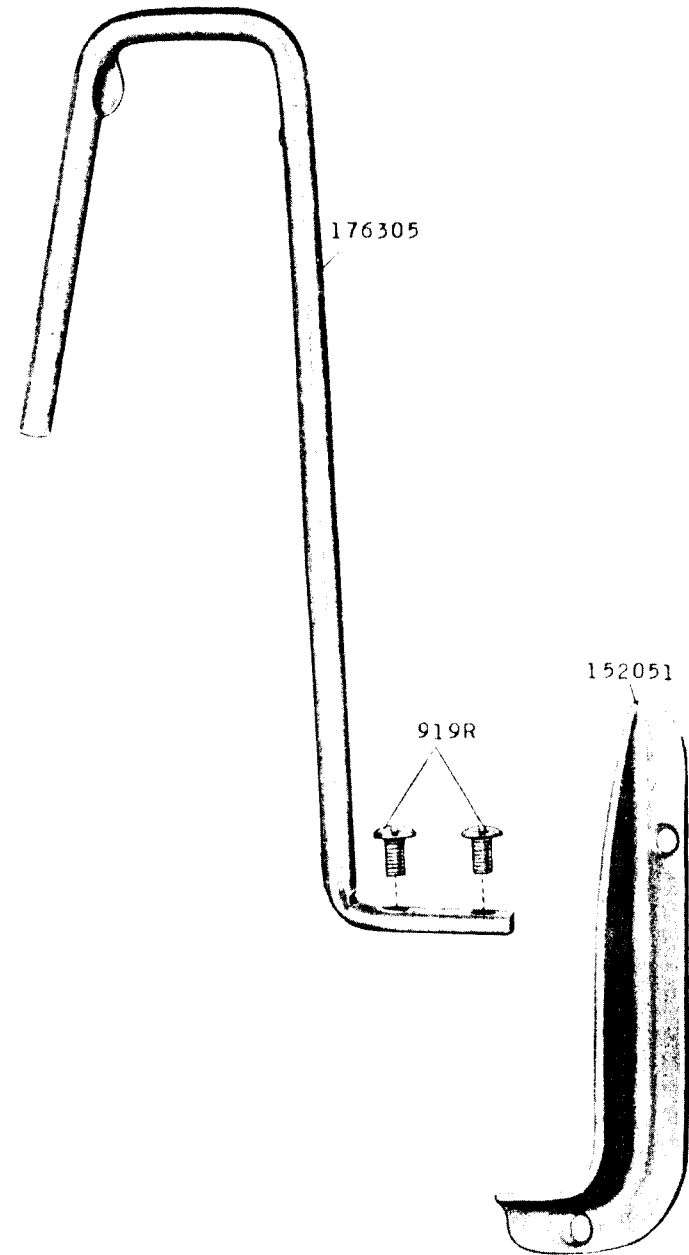


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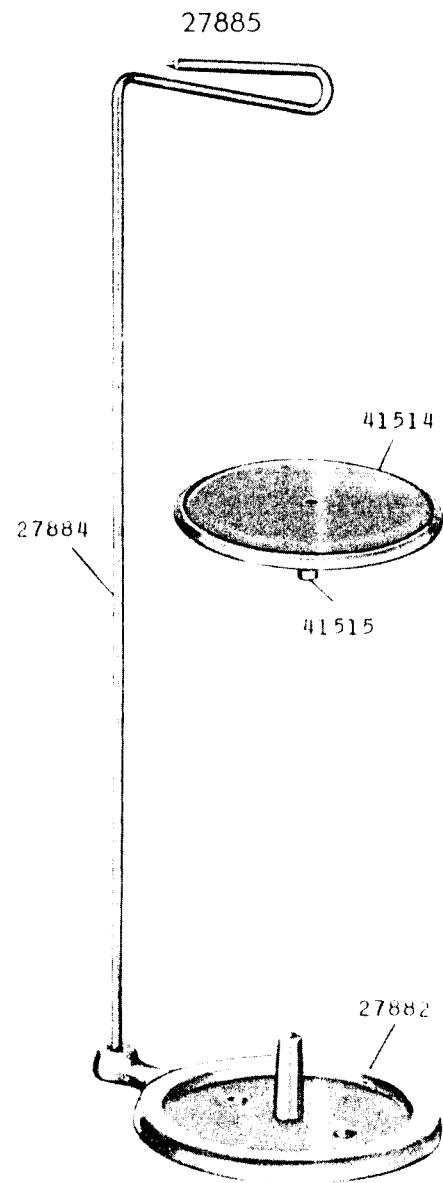
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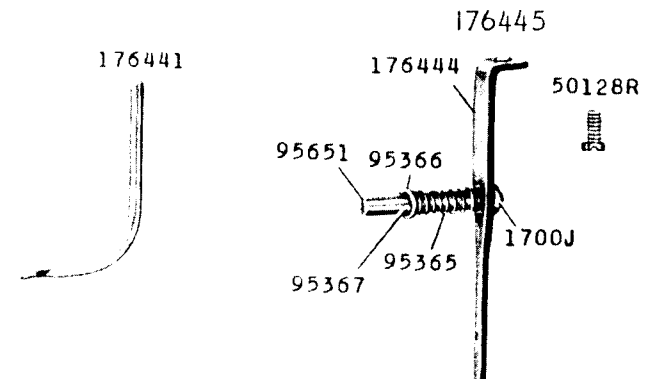
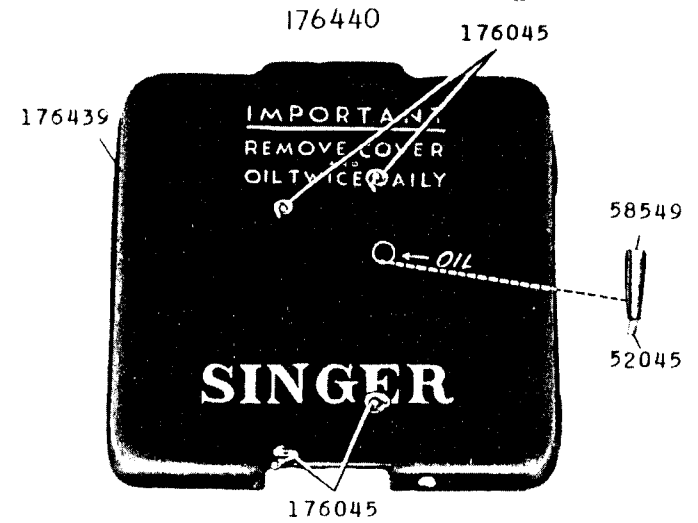
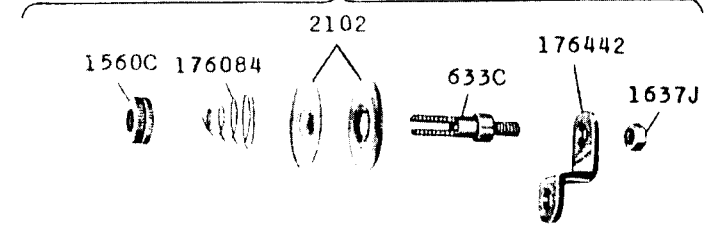
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176443



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