

# LIST OF PARTS



## SINGER\*\* MACHINES

Nos. 81-53 and 81-56

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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 B" or "TYPE D" OIL, sold by Singer Sewing Machine Company, should be applied at least twice each day to all oil holes marked "OIL", as instructed in Form 18594.

"TYPE D" OIL should be used when an oil is desired which will produce a minimum of stain on fabrics, even after a long period of storage.

Fill reservoir in base to "high" mark, and inspect often enough to keep oil level from going below "low" mark in base.

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## INSTRUCTIONS FOR ORDERING

In ordering from this list, use **ONLY** the part **NUMBER** in the **FIRST** column.

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

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

Each number always indicates the **SAME PART** in whatever list it appears, or for whatever machine.

The letters after some of the numbers indicate the style of finish only, as follows:

A-Hardened, Polished, Nickel Plated and Buffed

B-Polished, Nickel Plated and Buffed

C-Hardened Only

D-Polished Only

E-Soft, Not Polished

F-Hardened and Polished

G-Bright Rumbled and Nickel Plated

H-Blued

J-Nickel Plated Only

K-Hardened and Nickel Plated

L-Brass Plated

M-Oxidized

N-Japanned, Dull

P-Japanned, Bright

R-Merlized

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.M-Copper Plated and Oxidized

T.L-Copper and Brass Plated

U-Zinc Plated

V-Silver Plated

W-Polished and Nickel Plated

Y-Black Nickel Plated Only

Z-Chromium Plated

Z.B-Polished, Nickel Plated, Buffed and Chromium Plated

Z.J-Nickel and Chromium Plated

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

In this series:

1 to 1500, 50001 to 51500 and 140001 to 142000 are Screw Numbers

1501 to 1800 and 51501 to 51800 are Nut Numbers

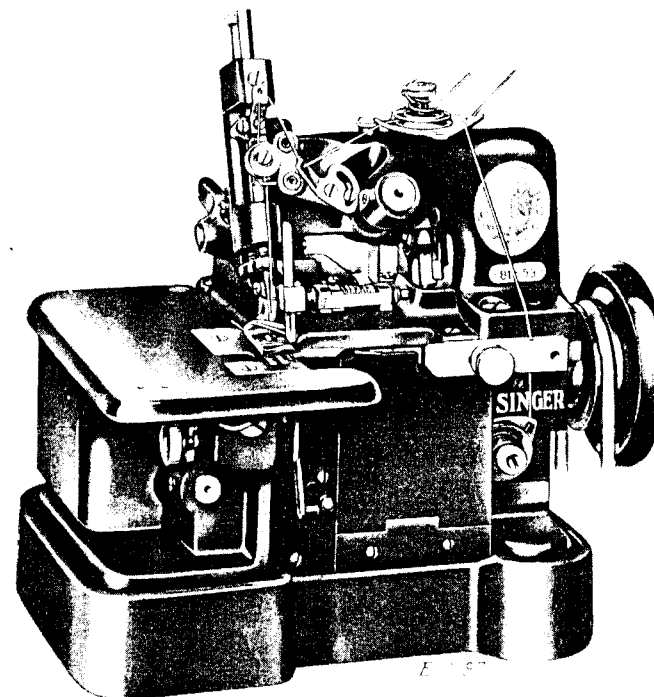
1801 to 2000 and 51801 to 52000 are Roller Numbers

2001 to 50000 and 52001 to 140000 and 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.

## LIST OF PARTS COMPLETE FOR



**MACHINE No. 81-53**

For Trimming, Overedging and Closing Seams in Light and Medium Weight Knit Material and Rayon. Three-thread stitch. Foot Lifter. Gathering feed. The front and rear feed dogs rise and fall simultaneously and can be adjusted to regulate the fullness of the gathering in sweater material or for Rayon material where gathering is not required. Speed up to 5000 R. P. M. on short runs, depending on the material being stitched.

| No.     | Plate | Name                                                                        |
|---------|-------|-----------------------------------------------------------------------------|
| *132522 | ----- | Arm with 15404, 42253, 132580 and two each 462C, 624C, 15405 and 132589.... |
| 4389    | 20821 | Arm Dowel Pin.....                                                          |
| 68350   | 20821 | " Oil Cup.....                                                              |
| 949E    | 20806 | " Screw.....                                                                |
| 132632  | 20827 | Balance Wheel, 1 7/8 in. pulley, with 446C and 1285C.....                   |
| 1285C   | 20807 | Balance Wheel Position Screw.....                                           |
| 446C    | 7409  | " " Set Screw.....                                                          |

| No.     | Plate | Name                                                                                 |
|---------|-------|--------------------------------------------------------------------------------------|
| 132654  | 20827 | Chip Guard.....                                                                      |
| 132524  | 20808 | Cloth Plate with 132525.....                                                         |
| 132801  | 20808 | " " Extension (lower).....                                                           |
| 233E    | 20809 | " " " " Screw....                                                                    |
| 42108   | 20821 | " " " (upper).....                                                                   |
| 233E    | 20809 | " " " " Screw....                                                                    |
| *132525 | ----- | " " Hinge Bracket.....                                                               |
| 132526  | 20821 | " " " Stud.....                                                                      |
| 50150C  | 20821 | " " " Set Screw.....                                                                 |
| 42005   | 20821 | " " Lock Spring.....                                                                 |
| 236C    | 20821 | " " " Screw.....                                                                     |
| 132527  | ----- | Cloth Plate complete, Nos. 42005, 42108, 132524, 132801, two 236C and five 233E..... |
| 132665  | 20819 | Feed (back) Bar.....                                                                 |
| 1132C   | 20819 | " " " Hinge Screw.....                                                               |
| 132666  | 20819 | " " " Pin (hollow).....                                                              |
| 132667  | 20819 | " " Connecting Link.....                                                             |
| 132668  | 20809 | " " Dog, 10 teeth (16 teeth to the inch).....                                        |

Note: No. 132668 is sent with this Machine, unless otherwise specified on order.

|         |       |                                                                                                                 |
|---------|-------|-----------------------------------------------------------------------------------------------------------------|
| 203E    | 20824 | Feed (back) Dog Screw.....                                                                                      |
| 132670  | 20819 | " " Regulator.....                                                                                              |
| 51360W  | 20819 | " " " Position Screw....                                                                                        |
| 132671  | 20819 | " (front) Bar with 1253C.....                                                                                   |
| *132672 | ----- | " " " 132671 with 1132C, 51360W 132528, 132539, 132665 to 132667, 132670 and 132676 (For factory use only)..... |
| 132528  | 7406  | Feed (front) Bar Hinge Pin.....                                                                                 |
| 1253C   | 7406  | " " " " Set Screw....                                                                                           |
| 132529  | 7407  | " " Connecting Rod with 171C, 1695J and two 1057E.....                                                          |
| 132643  | ----- | Feed (front) Connecting Rod 132529 with 132644.....                                                             |
| 1057E   | 20804 | Feed (front) Connecting Rod Cap Screw...                                                                        |
| 51292C  | 7407  | " " " " Hinge Screw.                                                                                            |
| 171C    | 7413  | " " " " " " " Clamping Screw.....                                                                               |
| 1695J   | 7407  | Feed (front) Connecting Rod Hinge Screw Clamping Screw Nut.....                                                 |
| 1520J   | 5569  | Feed (front) Connecting Rod Hinge Screw Nut.....                                                                |
| 132673  | 20809 | Feed (front) Dog, 11 teeth (16 teeth to the inch).....                                                          |

Note: No. 132673 is sent with this Machine, unless otherwise specified on order.

| No.     | Plate | Name                                                                                                        |
|---------|-------|-------------------------------------------------------------------------------------------------------------|
| 190E    | 7406  | Feed (front) Dog Screw.....                                                                                 |
| *132531 | ----- | " " Eccentric.....                                                                                          |
| *132532 | ----- | " " " Body.....                                                                                             |
| 1036C   | 5569  | " " " Set Screw...                                                                                          |
| 19047   | 7407  | " " " Clamping Washer..                                                                                     |
| 201J    | 7407  | " " " " " Screw.....                                                                                        |
| 132533  | 7407  | Feed (front) Eccentric Oil Tube.....                                                                        |
| 132644  | 20822 | Feed (front) Eccentric (adjustable) complete, Nos. 201J, 19047, 51145C, 132531 to 132533 and two 1036C..... |
| 132651  | 7407  | Feed (front) Eccentric Cover.....                                                                           |
| 50253J  | 7407  | " " " " Screw.....                                                                                          |
| 132712  | 20822 | " " " Lint Cover (spring).....                                                                              |
| 132785  | 20803 | Feed (front) Eccentric Lubricator with 132537.....                                                          |
| 132537  | 20803 | Feed (front) Eccentric Lubricator Oil Wick (braided cotton).....                                            |
| 132649  | 20803 | Feed (front) Lifting Eccentric with two 482C.....                                                           |
| 132539  | 20803 | Feed (front) Lifting Eccentric Connection.....                                                              |
| 482C    | 20803 | Feed (front) Lifting Eccentric Set Screw                                                                    |
| 51145C  | 7407  | " " Regulating Screw.....                                                                                   |
| 132675  | 20819 | " " Rock Shaft.....                                                                                         |
| 132676  | ----- | Feed (front) Rock Shaft complete, Nos. 42021 and 132675.....                                                |
| 42021   | 20803 | Feed (front) Rock Shaft Crank with 157E.                                                                    |
| 157E    | 20803 | " " " " " Clamping Screw.....                                                                               |
| 132542  | 20803 | Feed (front) Rock Shaft Hinge Pin with 132544.....                                                          |
| 132543  | 20803 | Feed (front) Rock Shaft Hinge Pin Bushing.....                                                              |
| 132816  | 20823 | Feed (front) Rock Shaft Hinge Pin Bushing Oil Wick (wick).....                                              |
| 1036C   | 20803 | Feed (front) Rock Shaft Hinge Pin Bushing Set Screw.....                                                    |
| 132544  | 20803 | Feed (front) Rock Shaft Hinge Pin Oil Wick (braided cotton).....                                            |
| *132545 | ----- | Frame.....                                                                                                  |
| 132546  | 20808 | " Bottom Cover with 132594.....                                                                             |
| 132547  | 20808 | " " " Gasket.....                                                                                           |
| 190E    | 7406  | " " " Screw.....                                                                                            |
| 132548  | 20821 | " Oil Cup.....                                                                                              |
| 132549  | 20827 | " Rotary Shaft with 132558 and 132559.....                                                                  |

| No.     | Plate | Name                                                                                             |
|---------|-------|--------------------------------------------------------------------------------------------------|
| 132616  | ----- | Frame Rotary Shaft 132549 with 132585 and 132695.....                                            |
| •132862 | ----- | Frame Rotary Shaft Bushing (front).....                                                          |
| 132863  | 20817 | " " " " 132862 with 132835, 132864 and two 132715..                                              |
| 132864  | 20823 | Frame Rotary Shaft Bushing (front) Oil Pad (braided cotton).....                                 |
| 132715  | 20817 | Frame Rotary Shaft Bushing (front) Oil Pad Retainer.....                                         |
| 132817  | 20823 | Frame Rotary Shaft Bushing (front) Oil Wick (wick).....                                          |
| 51332C  | 20821 | Frame Rotary Shaft Bushing (front) Set Screw.....                                                |
| 132769  | 20817 | Frame Rotary Shaft Crank with 1036C, 1375C and 132773.....                                       |
| 132770  | 20817 | Frame Rotary Shaft Crank Ball Sleeve....                                                         |
| 132771  | 20817 | " " " " " Bushing.....                                                                           |
| 1664E   | 20817 | Frame Rotary Shaft Crank Ball Sleeve Bushing Nut.....                                            |
| 132772  | 20817 | Frame Rotary Shaft Crank Ball Sleeve Bushing Nut Washer.....                                     |
| 132773  | ----- | Frame Rotary Shaft Crank Ball Sleeve Bushing Position Pin.....                                   |
| 132774  | 20817 | Frame Rotary Shaft Crank Ball Sleeve Guide.....                                                  |
| 1375C   | 20817 | Frame Rotary Shaft Crank Position Screw.                                                         |
| 1036C   | 20817 | " " " " Set Screw.....                                                                           |
| 132775  | ----- | Frame Rotary Shaft Crank complete, Nos. 1664E and 132769 to 132772.....                          |
| 132835  | 20817 | Frame Rotary Shaft Crank Oil Sling Cover                                                         |
| •132865 | ----- | " " " Flanged Bushing (back).....                                                                |
| 132866  | 20827 | Frame Rotary Shaft Flanged Bushing (back) 132865 with 132692, 132867, 132868 and two 132603..... |
| 132867  | 20823 | Frame Rotary Shaft Flanged Bushing (back) Oil Pad (large) braided cotton.....                    |
| 132868  | 20823 | Frame Rotary Shaft Flanged Bushing (back) Oil Pad (small) braided cotton.....                    |
| 132603  | 20827 | Frame Rotary Shaft Flanged Bushing (back) Oil Pad Retainer.....                                  |
| 132817  | 20823 | Frame Rotary Shaft Flanged Bushing (back) Oil Wick (wick).....                                   |
| 51332C  | 20821 | Frame Rotary Shaft Flanged Bushing (back) Set Screw.....                                         |

| No.                                             | Plate | Name                                                                       |
|-------------------------------------------------|-------|----------------------------------------------------------------------------|
| 132558                                          | 20823 | Frame Rotary Shaft Oil Pad (braided cotton).....                           |
| 132559                                          | 20823 | Frame Rotary Shaft Oil Pad Retainer.....                                   |
| •132692                                         | 20827 | " " " " Sling Cover.....                                                   |
| 132560                                          | 20827 | " Side Cover (left) with 132701.....                                       |
| 132701                                          | 20821 | " " " " Handle.....                                                        |
| 330W                                            | 20821 | " " " " Screw.....                                                         |
| 42028                                           | 20827 | " " " (right) Hinged.....                                                  |
| 42101                                           | 20821 | " " " " Lock Spring....                                                    |
| 330W                                            | 20821 | " " " " Screw.....                                                         |
| 132780                                          | 20808 | " Top Cover.....                                                           |
| 132781                                          | ----- | " " " 132780 with 132782 to 132784 and two 197J.....                       |
| 132650                                          | 7409  | Frame Top Cover Extension.....                                             |
| 42102                                           | 7409  | " " " " Holder.....                                                        |
| 132600                                          | ----- | " " " " 42102 with 42101, 132650, 132651 and two each 176J and 50253J..... |
| 283W                                            | 7409  | Frame Top Cover Extension Holder Thumb Screw.....                          |
| 19044                                           | 7409  | Frame Top Cover Extension Holder Thumb Screw Washer.....                   |
| 176J                                            | 20806 | Frame Top Cover Extension Screw.....                                       |
| 132782                                          | 20821 | " " " " Oil Reservoir Cover....                                            |
| 197J                                            | 7414  | " " " " " Screw                                                            |
| 132783                                          | 20821 | " " " " Tube.....                                                          |
| 132784                                          | 20821 | " " " " Wick.....                                                          |
| 583F                                            | 20806 | " " " " Screw (large).....                                                 |
| 742F                                            | 20806 | " " " " (small).....                                                       |
| 42305                                           | 20818 | Knife (movable).....                                                       |
| Note: Two No. 42305 are sent with this Machine. |       |                                                                            |
| 42306                                           | 20818 | Knife (movable) Gib.....                                                   |
| 42307                                           | 20818 | " " " Holder.....                                                          |
| 42308                                           | ----- | " " " 42307 with 133F, 42040 and 42306.....                                |
| 42038                                           | 20818 | Knife (movable) Holder Guide with 336F..                                   |
| 42039                                           | 20818 | " " " " Plate.....                                                         |
| 621E                                            | 20818 | " " " " " Screw.                                                           |
| 336F                                            | 20818 | " " " " Set Screw..                                                        |
| 133F                                            | 20818 | " " " " Screw.....                                                         |
| 42040                                           | 20818 | " " " " Extension Pin.....                                                 |
| 42041                                           | 20818 | Knife (movable) Holder Spring.....                                         |
| 132562                                          | 20804 | " " " Lever with 175E.....                                                 |
| 132563                                          | 20804 | " " " Connection with two 1057E.....                                       |
| 132620                                          | ----- | Knife (movable) Lever Connection 132563 with 132649.....                   |



| No.     | Plate | Name                                                                    |
|---------|-------|-------------------------------------------------------------------------|
| 132584  | 20805 | Needle Bar Connecting Link Hinge Pin Oil Pad (wick).....                |
| 223F    | 20805 | Needle Bar Connecting Link Hinge Pin Set Screw for 132598.....          |
| 620C    | 7413  | Needle Bar Connecting Link Hinge Pin Set Screw for 132597.....          |
| 132585  | 7413  | Needle Bar Connecting Rod with four 1057E.....                          |
| 1057E   | 20804 | Needle Bar Connecting Rod Cap Screw....                                 |
| 132577  | 20805 | " " " " Guide.....                                                      |
| 196F    | 20805 | " " " " " Screw...                                                      |
| 132588  | 7413  | " " Crank (back) with 132590 and two 1259C.....                         |
| *132573 | ----- | Needle Bar Crank (back) Ball Stud.....                                  |
| 132695  | 20805 | " " " " " 132573 with 132696.....                                       |
| 132696  | 20805 | Needle Bar Crank (back) Ball Stud Oil Pad (felt).....                   |
| 1259C   | 7413  | Needle Bar Crank (back) Ball Stud Set Screw.....                        |
| 132589  | 7413  | Needle Bar Crank (back) Bushing.....                                    |
| 624C    | 7413  | " " " " " Set Screw.....                                                |
| 132590  | 7413  | Needle Bar Crank (back) Oil Pad (wick)..                                |
| 1259C   | 7413  | " " " " " Set Screw.....                                                |
| 132597  | 7413  | " " " " (front) with 620C, 1259C and 50200C.....                        |
| 132615  | ----- | Needle Bar Crank (front) 132597 with 132582, 132598 and two 132583..... |
| 1259C   | 7413  | Needle Bar Crank (front) Position Screw.                                |
| 50200C  | 7413  | " " " " " Set Screw.....                                                |
| 42115   | 7413  | " " Thread Retainer Bracket.....                                        |
| 42483   | 7413  | " " " " " Disc.....                                                     |
| 93C     | 7413  | " " " " " Screw.....                                                    |
| 10107   | 7413  | " " " " " Spring.....                                                   |
| 1728C   | 20805 | " Clamping Nut.....                                                     |
| 42066   | 7413  | " Guard.....                                                            |
| 171F    | 7413  | " " Screw.....                                                          |
| 132679  | ----- | Presser Foot Body with 735C.....                                        |
| 132680  | 20809 | " " Chaining-off Finger.....                                            |
| 233J    | 20809 | " " " " " Screw..                                                       |
| 132609  | ----- | " " " " " Plate.....                                                    |
| 132610  | 20809 | " " " " " Collar with 240C.....                                         |
| 132611  | 20809 | Presser Foot Chaining-off Plate Collar Guide Pin.....                   |
| 735C    | 20809 | Presser Foot Chaining-off Plate Collar Guide Pin Set Screw.....         |

| No.                                                                              | Plate | Name                                                                                                      |
|----------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------|
| 240C                                                                             | 20809 | Presser Foot Chaining-off Plate Collar Set Screw.....                                                     |
| 14058                                                                            | 20809 | Presser Foot Chaining-off Plate Spring..                                                                  |
| 132681                                                                           | 20809 | Presser Foot (solid) complete, for knit goods, Nos. 233J, 14058, 132609 to 132611, 132679 and 132680..... |
| Note: No. 132681 is sent with this Machine, unless otherwise specified on order. |       |                                                                                                           |
| 1324C                                                                            | 20824 | Presser Foot Screw.....                                                                                   |
| 39541                                                                            | 20824 | " " " Washer.....                                                                                         |
| 42069                                                                            | 20827 | " Lever.....                                                                                              |
| 42045                                                                            | 20804 | " " Hinge Stud.....                                                                                       |
| 1120C                                                                            | 20806 | " " " " Set Screw.....                                                                                    |
| 42070                                                                            | 7414  | " " Lifter.....                                                                                           |
| 85D                                                                              | 7414  | " " " Hinge Screw.....                                                                                    |
| 1377C                                                                            | 20807 | " " Screw Stud (eccentric)....                                                                            |
| 1547J                                                                            | 7409  | " " " Nut.....                                                                                            |
| 42071                                                                            | 7414  | " " Spring.....                                                                                           |
| 1378D                                                                            | 7414  | Pressure Regulating Thumb Screw.....                                                                      |
| 132631                                                                           | 20820 | Spreader.....                                                                                             |
| 197J                                                                             | 7414  | " Screw.....                                                                                              |
| 2102                                                                             | 7414  | Tension (looper, left hand) Disc.....                                                                     |
| 1560C                                                                            | 7414  | " " " " " Regulating Thumb Nut.....                                                                       |
| 50148C                                                                           | 7414  | Tension (looper, left hand) Screw Stud..                                                                  |
| 124687                                                                           | ----- | " " " " " " " 50148C with 1560C.....                                                                      |
| 54883                                                                            | 7414  | Tension (looper, left hand) Spring.....                                                                   |
| 132599                                                                           | 7414  | " " " " " Thread Guide                                                                                    |
| 2102                                                                             | 7414  | " " " " " right hand) Disc.....                                                                           |
| 1560C                                                                            | 7414  | " " " " " Regulating Thumb Nut.....                                                                       |
| 828C                                                                             | 7414  | Tension (looper, right hand) Screw Stud.                                                                  |
| 42418                                                                            | ----- | " " " " " " " 828C with 1560C.....                                                                        |
| 10148                                                                            | 7414  | Tension (looper, right hand) Spring.....                                                                  |
| 2102                                                                             | 7414  | " (needle thread) Disc.....                                                                               |
| 1560C                                                                            | 7414  | " " " " " Regulating Thumb Nut.....                                                                       |
| 916C                                                                             | 7414  | Tension (needle thread) Screw Stud.....                                                                   |
| 44209                                                                            | ----- | " " " " " " " 916C with 1560C.....                                                                        |
| 10148                                                                            | 7414  | Tension (needle thread) Spring.....                                                                       |
| 42082                                                                            | 7414  | " " " " " Thread Guide....                                                                                |
| 132629                                                                           | 20806 | Thread (looper, left hand) Eyelet.....                                                                    |
| 233E                                                                             | 20809 | " " " " " Screw.                                                                                          |
| 42122                                                                            | 20806 | " " " " " Nipper Spring (lower).....                                                                      |

| No.                                                                              | Plate | Name                                                                    |
|----------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------|
| 42123                                                                            | 20806 | Thread (looper, left hand) Nipper Spring (upper).....                   |
| 176J                                                                             | 20806 | Thread (looper, left hand) Nipper Spring Screw.....                     |
| 42084                                                                            | 20806 | Thread (looper, left hand) Tube.....                                    |
| 462C                                                                             | 20803 | " " " " " Set Screw                                                     |
| 42126                                                                            | 20806 | " " " " " Pull-off.....                                                 |
| 132652                                                                           | 20820 | " " " " " right hand) Controller..                                      |
| 132653                                                                           | 20820 | " " " " " " "                                                           |
|                                                                                  |       | Eyelet.....                                                             |
| 132591                                                                           | 20806 | Thread (looper, right hand) Pull-off....                                |
| 42244                                                                            | 20806 | " " " " " " Eye-                                                        |
|                                                                                  |       | let.....                                                                |
| 207J                                                                             | 20806 | Thread (looper, right hand) Pull-off Eyelet Screw.....                  |
| 132664                                                                           | 20806 | Thread (looper, right hand) Staple.....                                 |
| 176J                                                                             | 20806 | " " " " " " Screw                                                       |
| 7071                                                                             | 20821 | " " " " " " " "                                                         |
|                                                                                  |       | Washer.....                                                             |
| 42127                                                                            | 20806 | Thread (looper, right hand) Take-up.....                                |
| 197J                                                                             | 7414  | " " " " " " Screw                                                       |
| 132622                                                                           | 20806 | " (needle) Eyelet.....                                                  |
| 223J                                                                             | 20805 | " " " " " Screw.....                                                    |
| 132623                                                                           | 20806 | " " " " " Take-up.....                                                  |
| 197J                                                                             | 7414  | " " " " " Screw.....                                                    |
| 132688                                                                           | 20809 | Throat Plate, for 1/8 in. to 3/16 in. bight, for 132668 and 132673..... |
| Note: No. 132688 is sent with this Machine, unless otherwise specified on order. |       |                                                                         |
| 742F                                                                             | 20806 | Throat Plate Screw.....                                                 |
| *15404                                                                           | ----- | Trade Mark.....                                                         |
| 15405                                                                            | ----- | " " Rivet.....                                                          |

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

## FITTINGS

### FOR MACHINE NO. 81-53

|                            | For Knit Goods<br>1/8" to 3/16" |  | For Knit Goods<br>3/16" to 1/4" |  | For Rayon<br>3/32" to 5/32" |  |                   |        |
|----------------------------|---------------------------------|--|---------------------------------|--|-----------------------------|--|-------------------|--------|
|                            | Bight                           |  | Bight                           |  | Bight                       |  |                   |        |
| Feed (back) Dog.....       | 132668                          |  | 132668                          |  | 132669                      |  | For Knit Goods    |        |
| Feed (front) Dog.....      | 132673                          |  | 132673                          |  | 132674                      |  | with elastic tape |        |
| Presser Foot (solid).....  | 132681                          |  | 132681                          |  | -----                       |  | Inserted in seam  |        |
| Presser Foot (hinged)..... | 132686                          |  | 132686                          |  | 132687                      |  | 1/8" to 3/16"     |        |
| Throat Plate.....          | 132688                          |  | 132689                          |  | 132690                      |  | Bight             |        |
|                            |                                 |  |                                 |  |                             |  |                   |        |
|                            |                                 |  |                                 |  |                             |  | For Knit Goods    |        |
|                            |                                 |  |                                 |  |                             |  | Collars to bodies |        |
|                            |                                 |  |                                 |  |                             |  | of heavy sweaters |        |
|                            |                                 |  |                                 |  |                             |  | 3/16" to 1/4"     |        |
|                            |                                 |  |                                 |  |                             |  | Bight             |        |
|                            |                                 |  |                                 |  |                             |  |                   |        |
|                            |                                 |  |                                 |  |                             |  | 132761            | 132761 |
|                            |                                 |  |                                 |  |                             |  | 132762            | 132762 |
|                            |                                 |  |                                 |  |                             |  | 132764            | 132768 |
|                            |                                 |  |                                 |  |                             |  | -----             | -----  |
|                            |                                 |  |                                 |  |                             |  | 132708            | 132765 |
|                            |                                 |  |                                 |  |                             |  | 132723            |        |

Feed (back) Dog.....  
Feed (front) Dog.....  
Presser Foot (solid).....  
Presser Foot (hinged).....  
Throat Plate.....



# FITTINGS FOR No. 81-53 MACHINE

## FOR KNIT GOODS

FOR 1/8 IN. TO 3/16 IN. BIGHT

| No.    | Plate | Name                                                                                                |
|--------|-------|-----------------------------------------------------------------------------------------------------|
| 132668 | 20809 | Feed (back) Dog, 10 teeth (16 teeth to the inch).....                                               |
| 132673 | 20809 | Feed (front) Dog, 11 teeth (16 teeth to the inch).....                                              |
| 132679 | ----- | Presser Foot Body with 735C.....                                                                    |
| 132680 | 20809 | " " Chaining-off Finger.....                                                                        |
| 233J   | 20809 | " " " " Screw..                                                                                     |
| 132609 | ----- | " " " " Plate.....                                                                                  |
| 132610 | 20809 | " " " " Collar with 240C.....                                                                       |
| 132611 | 20809 | Presser Foot Chaining-off Plate Collar Guide Pin.....                                               |
| 735C   | 20809 | Presser Foot Chaining-off Plate Collar Guide Pin Set Screw.....                                     |
| 240C   | 20809 | Presser Foot Chaining-off Plate Collar Set Screw.....                                               |
| 14058  | 20809 | Presser Foot Chaining-off Plate Spring..                                                            |
| 132681 | 20809 | Presser Foot (solid) complete, Nos. 233J 14058,132609 to 132611,132679 and 132680.....              |
| 42461  | 20809 | Presser Foot Hinge Pin.....                                                                         |
| 132683 | ----- | " " Plate.....                                                                                      |
| 132685 | ----- | " " Shank with 735C.....                                                                            |
| 132686 | 20809 | Presser Foot (hinged) complete, Nos.233J 14058,42461,132609 to 132611,132680 132683 and 132685..... |
| 132688 | 20809 | Throat Plate.....                                                                                   |

## FOR KNIT GOODS

FOR 3/16 IN. TO 1/4 IN. BIGHT

| No.    | Plate | Name                                                                                                |
|--------|-------|-----------------------------------------------------------------------------------------------------|
| 132668 | 20810 | Feed (back) Dog, 10 teeth (16 teeth to the inch).....                                               |
| 132673 | 20810 | Feed (front) Dog, 11 teeth (16 teeth to the inch).....                                              |
| 132681 | 20810 | Presser Foot (solid) complete, Nos. 233J 14058,132609 to 132611,132679 and 132680.....              |
| 132686 | 20810 | Presser Foot (hinged) complete, Nos.233J 14058,42461,132609 to 132611,132680 132683 and 132685..... |
| 132689 | 20810 | Throat Plate.....                                                                                   |

## FOR RAYON

FOR 3/32 IN. TO 5/32 IN. BIGHT

| No.    | Plate | Name                                                                                                |
|--------|-------|-----------------------------------------------------------------------------------------------------|
| 132669 | 20811 | Feed (back) Dog, 14 teeth (22 teeth to the inch).....                                               |
| 132674 | 20811 | Feed (front) Dog, 15 teeth (22 teeth to the inch).....                                              |
| 132682 | 20811 | Presser Foot Chaining-off Finger.....                                                               |
| 132687 | 20811 | Presser Foot (hinged) complete, Nos.233J 14058,42461,132609 to 132611,132682 132683 and 132685..... |
| 132690 | 20811 | Throat Plate.....                                                                                   |

## FOR STITCHING COLLARS TO BODIES OF

### HEAVY SWEATERS

FOR 3/16 IN. TO 1/4 IN. BIGHT

| No.    | Plate | Name                                                                                   |
|--------|-------|----------------------------------------------------------------------------------------|
| 132761 | 20812 | Feed (back) Dog, 7 teeth (12 teeth to the inch).....                                   |
| 132762 | 20812 | Feed (front) Dog, 8 teeth (12 teeth to the inch).....                                  |
| 132763 | ----- | Presser Foot Body with 735C.....                                                       |
| 132764 | 20812 | Presser Foot (solid) complete, Nos. 233J 14058,132609 to 132611,132682 and 132763..... |
| 132765 | 20812 | Throat Plate.....                                                                      |

## FOR KNIT GOODS WITH ELASTIC TAPE

### INSERTED IN THE SEAM

FOR 1/8 IN. TO 3/16 IN. BIGHT

| No.    | Plate | Name                                                                                   |
|--------|-------|----------------------------------------------------------------------------------------|
| 132761 | 20813 | Feed (back) Dog, 7 teeth (12 teeth to the inch).....                                   |
| 132762 | 20813 | Feed (front) Dog, 8 teeth (12 teeth to the inch).....                                  |
| 132768 | 20813 | Presser Foot (solid) complete, Nos. 233J 14058,132609 to 132611,132679 and 132682..... |
| 132765 | 20813 | Throat Plate.....                                                                      |

FOR BLIND STITCHING  
FOR KNIT GOODS

| No.    | Plate | Name                                                                                                      |
|--------|-------|-----------------------------------------------------------------------------------------------------------|
| 132669 | 20814 | Feed (back) Dog, 10 teeth (16 teeth to the inch).....                                                     |
| 132706 | 20814 | Feed (front) Dog, 11 teeth (16 teeth to the inch).....                                                    |
| 132707 | ----- | Presser Foot Plate.....                                                                                   |
| 132708 | 20814 | Presser Foot (hinged) complete, Nos.233J<br>14058,42461,132609 to 132611,132682<br>132685 and 132707..... |
| 132709 | 20814 | Throat Plate.....                                                                                         |

FOR BLIND STITCHING  
FOR RAYON

| No.    | Plate | Name                                                                                                      |
|--------|-------|-----------------------------------------------------------------------------------------------------------|
| 132669 | 20815 | Feed (back) Dog, 14 teeth (22 teeth to the inch).....                                                     |
| 132722 | 20815 | Feed (front) Dog, 16 teeth (22 teeth to the inch).....                                                    |
| 132708 | 20815 | Presser Foot (hinged) complete, Nos.233J<br>14058,42461,132609 to 132611,132682<br>132685 and 132707..... |
| 132723 | 20815 | Throat Plate.....                                                                                         |

SINGER Needles should be used  
in SINGER Machines  
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Company's Trade Mark "SIMANCO.\*\*" 1

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

## MACHINE No. 81-56

For Trimming, Overedging and Blind Stitch Hemming or Welting in Knit Underwear. Three-thread stitch. Foot Lifter. Gathering feed. Speed up to 5000 R. P. M. on short runs, depending on the material being stitched.

NOTE: THIS MACHINE IS THE SAME AS THE 81-53 MACHINE WITH THE FOLLOWING EXCEPTIONS.

| No.     | Plate | Name                                                                                                                                  |
|---------|-------|---------------------------------------------------------------------------------------------------------------------------------------|
| 42147   | 7406  | Feed (back) Bar, in place of 132665.....                                                                                              |
| 61C     | 7406  | " " " Hinge Screw, in place of 1132C.....                                                                                             |
| 42148   | 7406  | Feed (back) Connecting Link, in place of 132667.....                                                                                  |
| 1132C   | 7406  | Feed (back) Connecting Link Hinge Screw.                                                                                              |
| 42149   | 20816 | " " Dog, 3 teeth (16 teeth to the inch) in place of 132668.....                                                                       |
| 42150   | 7406  | Feed (back) Regulator, in place of 132670.....                                                                                        |
| 1132C   | 7406  | Feed (back) Regulator Hinge Screw.....                                                                                                |
| 190J    | 7406  | " " " Set Screw.....                                                                                                                  |
| 1444C   | 7406  | " " " Thumb Screw.....                                                                                                                |
| 42151   | 7406  | " (front) Bar with 1253C, in place of 132671.....                                                                                     |
| *132624 | ----- | Feed (front) Bar 42151 with 61C,42147, 42148,42150,132528,132539,132541 and two 1132C, in place of 132672 (For factory use only)..... |
| 132619  | ----- | Feed (front) Connecting Rod 132529 with 132534, in place of 132643.....                                                               |
| 42182   | 20816 | Feed (front) Dog, 17 teeth (16 teeth to the inch) in place of 132673.....                                                             |
| *132702 | ----- | Feed (front) Eccentric Body, in place of 132532.....                                                                                  |
| 132534  | 7407  | Feed (front) Eccentric complete, Nos. 201J,19047,51145C,132531,132533, 132702 and two 1036C, in place of 132644.....                  |
| 132540  | 7406  | Feed (front) Rock Shaft, in place of 132675.....                                                                                      |
| 132541  | ----- | Feed (front) Rock Shaft complete, Nos. 1444C,42021 and 132540, in place of 132676.....                                                |

| No.                                             | Plate | Name                                                                                                                                                |
|-------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| 42213                                           | 7409  | Knife (movable) in place of 42305.....                                                                                                              |
| Note: Two No. 42213 are sent with this Machine. |       |                                                                                                                                                     |
| 42214                                           | 7409  | Knife (movable) Gib, in place of 42306..                                                                                                            |
| 42035                                           | 7409  | " " Holder, in place of<br>42307.....                                                                                                               |
| 132627                                          | ----- | Knife (movable) Holder 42035 with 133F,<br>42037, 42040, 42214 and two 404E, in<br>place of 42308.....                                              |
| 42037                                           | 7409  | Knife (movable) Holder Cap.....                                                                                                                     |
| 404E                                            | 7409  | " " " " Screw.....                                                                                                                                  |
| 42046                                           | 20804 | " (stationary) with 42049, in place<br>of 42309.....                                                                                                |
| Note: Two No. 42046 are sent with this Machine. |       |                                                                                                                                                     |
| 42048                                           | 20804 | Knife (stationary) Clamping Stud, in<br>place of 42310.....                                                                                         |
| 132766                                          | 20804 | Knife (stationary) Holder, in place of<br>132767.....                                                                                               |
| *132639                                         | ----- | Looper (right hand) and Spreader Lever<br>132703 with 42242, 132566, 132569,<br>132718 and 132720 (For factory use<br>only) in place of 132606..... |
| 42183                                           | ----- | Presser Foot Body.....                                                                                                                              |
| 42184                                           | 20816 | " " Chaining-off Finger.....                                                                                                                        |
| 233J                                            | 20816 | " " " " Screw..                                                                                                                                     |
| 9320                                            | 20816 | " " Hinge Pin.....                                                                                                                                  |
| 42159                                           | ----- | " " Plate.....                                                                                                                                      |
| 14058                                           | 20816 | " " Spring.....                                                                                                                                     |
| 42160                                           | 20816 | " " Adjusting Pin.....                                                                                                                              |
| 464C                                            | 20816 | " " " " Set<br>Screw.....                                                                                                                           |
| 42185                                           | 20816 | Presser Foot (spring hinged) complete,<br>Nos. 233J, 464C, 9320, 14058, 42159,<br>42160, 42183 and 42184, in place of<br>132681.....                |
| 42242                                           | 20820 | Thread (looper, left hand) Eyelet, in<br>place of 132629.....                                                                                       |
| 42452                                           | 20816 | Throat Plate for 42149 and 42182, in<br>place of 132688.....                                                                                        |

## WELT GUIDE

| No.     | Plate | Name                                                                              |
|---------|-------|-----------------------------------------------------------------------------------|
| 42473   | 20825 | Welt Guide.....                                                                   |
| 42475   | 20825 | " " Hinge (female half).....                                                      |
| 42476   | 20825 | " " " (male half).....                                                            |
| 42474   | 20825 | " " " Pin.....                                                                    |
| 42477   | 20825 | " " " Rivet.....                                                                  |
| 132710  | 20825 | " " Holder.....                                                                   |
| *132758 | ----- | " " " 132710 with 190J, 1117J<br>1209C and 22436 (For factory use<br>only).....   |
| 1209C   | 20825 | Welt Guide Holder Screw.....                                                      |
| 22436   | 20825 | " " " " Washer.....                                                               |
| 1117J   | 20825 | " " Regulating Thumb Screw.....                                                   |
| 190J    | 20825 | " " Screw.....                                                                    |
| 42478   | 20825 | " " Spring.....                                                                   |
| 132869  | ----- | " " " 42478 with 42475 and<br>two 42477.....                                      |
| 42188   | 20825 | Welt Guide (hinged) complete, Nos. 42473<br>42474, 42476, 132869 and two 42477... |

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## ACCESSORIES

| No.    | Plate | Name                                                                                                                                                             |
|--------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1408J  | 20826 | Machine Base Thumb Screw, for 1 5/8 in. tables and Individual Stands, for use when machine is mounted on top of table.....                                       |
| 474J   | 20826 | Machine Base Thumb Screw, for use when machine is mounted 1 1/2 in. lower than standard.....                                                                     |
| 14063  | 20807 | Machine Base Thumb Screw Spring, for Thumb Screw No. 1408, when machine is mounted on Individual Stand.....                                                      |
| 27498  | 20826 | Machine Base Thumb Screw Spring, for Thumb Screw No. 1408 on 1 5/8 in. Tables and Thumb Screw No. 474 when machine is mounted 1 1/2 in. lower than standard..... |
| 9842   | 7419  | Machine Base Thumb Screw Spring Washer..                                                                                                                         |
| 132802 | 20807 | " " " " Washer.....                                                                                                                                              |
| 120344 | 5566  | Oiler (copper plated) with 120345.....                                                                                                                           |
| 120345 | 5566  | " Spout, 5 in. long.....                                                                                                                                         |
| 120440 | 5566  | Screw Driver.....                                                                                                                                                |
| 42090  | 5566  | Threading Wire.....                                                                                                                                              |
| 120341 | 5566  | Tweezers (curved).....                                                                                                                                           |
| 42089  | 5566  | Wrench for 1324.....                                                                                                                                             |
| 8908   | 5566  | " " 1520.....                                                                                                                                                    |
| 4822   | 5566  | " " 1547.....                                                                                                                                                    |

## BENCH STANDS

### BENCH STAND NO. 79768

FOR MACHINE BASE NO. 132592

WHEN MACHINE IS MOUNTED ON TOP  
OF TABLE

| No.   | Plate | Name                                                                                                                          |
|-------|-------|-------------------------------------------------------------------------------------------------------------------------------|
| 79768 | ----- | Bench Stand with 27998, two each 28291, 46548, wood screws 1 1/2 in. No. 12 F.H. and eight wood screws 5/8 in. No. 5 F.H..... |
| 28291 | 20807 | Cover Hinge with two each wood screws 1/2 in. No. 5 F.H. and 5/8 in. No. 5 F.H                                                |

| No.   | Plate | Name                                                              |
|-------|-------|-------------------------------------------------------------------|
| 27998 | 20807 | Cover Hook and Eye (brass) with wood screw 1/2 in. No. 5 F.H..... |
| 46548 | 20807 | Cover Rest (felt).....                                            |

### BENCH STAND NO. 79790

FOR MACHINE BASE NO. 132656

WHEN MACHINE IS MOUNTED 1 1/2 IN. LOWER THAN STANDARD  
FOR FRONT PLANKS NOS. 123882 TO 123885

| No.    | Plate | Name                                                                                                                                                                           |
|--------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 79790  | ----- | Bench Stand with 27998, 60820, two each 28291, 46548, 150244, three each wood screws 1 1/4 in. No. 12 F.H., 1 1/2 in. No. 14 F.H. and eight wood screws 1/2 in. No. 5 F.H..... |
| 60820  | ----- | Cover Chain, 9 1/4 in. long with two 56865.....                                                                                                                                |
| 56865  | 20807 | Cover Chain Hook.....                                                                                                                                                          |
| 150244 | 20826 | " " " Screw Eye.....                                                                                                                                                           |
| 28291  | 20807 | " Hinge with two each wood screws 1/2 in. No. 5 F.H. and 5/8 in. No. 5 F.H.....                                                                                                |
| 27998  | 20807 | Cover Hook and Eye (brass) with wood screw 1/2 in. No. 5 F.H.....                                                                                                              |
| 46548  | 20807 | Cover Rest (felt).....                                                                                                                                                         |

## FOOT LIFTER PARTS

| No.                                                 | Plate | Name                                               |
|-----------------------------------------------------|-------|----------------------------------------------------|
| 6439                                                | ----- | Chain, 36 in. to 45 in., with 56864 and 56865..... |
| Note: When ordering No. 6439, state length required |       |                                                    |
| 4879                                                | 5566  | Chain Connecting Link.....                         |
| 56864                                               | 5566  | " Hook (large).....                                |
| 56865                                               | 20807 | " " (small).....                                   |
| 42130                                               | 20824 | Lifting Lever.....                                 |
| 42131                                               | 20824 | " " Bracket.....                                   |
| 1229C                                               | 20804 | " " Screw.....                                     |
| 1301D                                               | 20824 | " " Hinge Screw.....                               |
| 42132                                               | 20824 | " " Spring.....                                    |
| 1148F                                               | 20824 | " " Stop Screw.....                                |

| No.   | Plate | Name                                                                                                     |
|-------|-------|----------------------------------------------------------------------------------------------------------|
| 1547J | 7409  | Lifting Lever Stop Screw Nut.....                                                                        |
| 4881  | 20808 | Treadle.....                                                                                             |
| 4882  | 5566  | " Shaft.....                                                                                             |
| 4883  | 5566  | " Spring.....                                                                                            |
| 4884  | 20808 | " Stand.....                                                                                             |
| 4885  | 20808 | Treadle complete, Nos. 4879,4881 to 4884<br>and two wood screws 1 in. No. 16...                          |
| 42133 | ----- | Foot Lifter complete, Nos. 1301D,4885,<br>6439,42130 to 42132 and two each<br>1148F,1229C and 1547J..... |

## KNEE LIFTER PARTS

| No.   | Plate | Name                                                                                                      |
|-------|-------|-----------------------------------------------------------------------------------------------------------|
| 42130 | 20824 | Lifting Lever.....                                                                                        |
| 42131 | 20824 | " " Bracket.....                                                                                          |
| 1229C | 20804 | " " " Screw.....                                                                                          |
| 42142 | 20808 | " " Connecting Rod.....                                                                                   |
| 1301D | 20824 | " " Hinge Screw.....                                                                                      |
| 42132 | 20824 | " " Spring.....                                                                                           |
| 1148F | 20824 | " " Stop Screw.....                                                                                       |
| 1547J | 7409  | " " " Nut.....                                                                                            |
| 2763  | 20808 | Rock Shaft.....                                                                                           |
| 12242 | 20808 | " " Hanger with two wood screws 1<br>in. No. 10.....                                                      |
| 2765  | 20808 | Rock Shaft Knee Arm.....                                                                                  |
| 2766  | 20808 | " " " " Hub with 356C.....                                                                                |
| 356C  | 20807 | " " " " " Set Screw.....                                                                                  |
| 2768  | ----- | Rock Shaft Knee Arm complete, Nos. 2765<br>to 2767.....                                                   |
| 2767  | 20808 | Rock Shaft Knee Plate with 356C.....                                                                      |
| 356C  | 20807 | " " " " " Set Screw.....                                                                                  |
| 6337  | 20808 | " " Lifting Bracket with two 356C                                                                         |
| 7125  | 20808 | " " " " " Hook.....                                                                                       |
| 356C  | 20807 | " " " " " Set Screw                                                                                       |
| 356C  | 20807 | " " " " " Set Screw....                                                                                   |
| 2770  | 20808 | " " Stop Dog with 356C.....                                                                               |
| 356C  | 20807 | " " " " " Set Screw.....                                                                                  |
| 42143 | 20808 | Rock Shaft complete, Nos. 2763,2768,6337<br>7125 and two each 2770 and 12242...                           |
| 42144 | ----- | Knee Lifter complete, Nos. 1301D,42130<br>to 42132,42142,42143 and two each<br>1148F,1229C and 1547J..... |

## KNIFE GRINDERS

## KNIFE GRINDER NO. 41819

FOR KNIVES NOS. 42305 AND 42309

FOR MACHINE NO. 81-53

| No.    | Plate | Name                                                                                                                                                 |
|--------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| 41326  | 20829 | Emery Wheel.....                                                                                                                                     |
| 1508C  | 5569  | " " Clamping Nut.....                                                                                                                                |
| 41327  | 20829 | " " Shaft.....                                                                                                                                       |
| 41328  | 20829 | " " " Pulley with 1036C.....                                                                                                                         |
| 1036C  | 5569  | " " " " Set Screw.....                                                                                                                               |
| 41513  | 5569  | " " Washer.....                                                                                                                                      |
| 41329  | 20830 | Frame with 1036C.....                                                                                                                                |
| 878D   | 5569  | " Oil Hole Stop Screw.....                                                                                                                           |
| 41818  | 20829 | Knife Holder with two 14222.....                                                                                                                     |
| 150210 | ----- | " " 41818 with 970D,41331,41332<br>and two each 313C,771D,1519J,41333<br>and 41334.....                                                              |
| 41331  | 20829 | Knife Holder Bracket with 157E.....                                                                                                                  |
| 157E   | 5569  | " " " Clamping Screw....                                                                                                                             |
| 42065  | 5569  | " " " Hinge Stud.....                                                                                                                                |
| 1036C  | 5569  | " " " " " Set Screw                                                                                                                                  |
| 717C   | 5569  | " " " Stop Screw.....                                                                                                                                |
| 1520J  | 5569  | " " " " Nut.....                                                                                                                                     |
| 41333  | 5569  | " " Clamp.....                                                                                                                                       |
| 41334  | 5569  | " " " Spring.....                                                                                                                                    |
| 14222  | 5569  | " " " Steady Pin.....                                                                                                                                |
| 771D   | 5569  | " " " Thumb Screw.....                                                                                                                               |
| 970D   | 5569  | " " Regulating Thumb Screw....                                                                                                                       |
| 313C   | 5569  | " " Screw Center.....                                                                                                                                |
| 1519J  | 5569  | " " " " Nut.....                                                                                                                                     |
| 41332  | 5569  | " " Spring.....                                                                                                                                      |
| 41819  | ----- | Knife Grinder complete, Nos. 717C,1508C,<br>1520J,41326 to 41329,42065,150210,<br>two each 878D,41513 and three wood<br>screws 1 1/4 in. No. 12..... |

**KNIFE GRINDER NO. 41335**

FOR KNIVES NOS. 42046 AND 42213

FOR MACHINE NO. 81-56

THIS KNIFE GRINDER IS THE SAME AS NO. 41819

WITH THE FOLLOWING EXCEPTIONS

| No.    | Plate | Name                                                                                                                                             |
|--------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| 41330  | 20829 | Knife Holder with two 14222, in place of 41818.....                                                                                              |
| 150209 | ----- | Knife Holder 41330 with 970D, 41331, 41332 and two each 313C, 771D, 1519J, 41333 and 41334, in place of 150210.....                              |
| 41335  | ----- | Knife Grinder complete, Nos. 717C, 1508C, 1520J, 41326 to 41329, 42065, 150209, two each 878D, 41513 and three wood screws 1 1/4 in. No. 12..... |

**MACHINE BASES****MACHINE BASE NO. 132592**

WHEN MACHINE IS MOUNTED ON TOP

OF TABLE

FOR USE WITH BENCH STAND NO. 79768

| No.    | Plate | Name                                    |
|--------|-------|-----------------------------------------|
| 132647 | 20808 | Machine Base.....                       |
| 132595 | 7419  | " " Cushion (large) felt.....           |
| 42088  | 7419  | " " " (small) felt.....                 |
| 132618 | 7419  | " " " " " for 474 or 1408.....          |
| 935E   | 7419  | Machine Base Cushion (small) Screw..... |
| 132596 | 7419  | " " " (leather).....                    |
| 132593 | 7419  | " " Oil Drain Strainer.....             |
| 54477  | 7419  | " " Screw Stud.....                     |
| 51576E | 7419  | " " " Nut.....                          |
| 9842   | 7419  | " " " Washer.....                       |
| 132594 | 7419  | " " Thumb Screw Bushing.....            |

| No.    | Plate | Name                                                                                                                                 |
|--------|-------|--------------------------------------------------------------------------------------------------------------------------------------|
| 132592 | ----- | Machine Base complete, Nos. 132593, 132596, 132618, 132647, three each 9842, 51576E, 54477 and four each 935E, 42088 and 132595..... |
| 132704 | ----- | Machine Base and Oil Drain Jar complete, Nos. 131268 and 132592.....                                                                 |

**MACHINE BASE NO. 132656**

WHEN MACHINE IS MOUNTED 1/2 IN.

LOWER THAN STANDARD

FOR USE WITH BENCH STAND NO. 79790

| No.    | Plate | Name                                                                                                                           |
|--------|-------|--------------------------------------------------------------------------------------------------------------------------------|
| 132655 | 20830 | Machine Base.....                                                                                                              |
| 1204E  | 20824 | " " Position Stud.....                                                                                                         |
| 131022 | 20824 | " " " " Bushing (rubber).....                                                                                                  |
| 132656 | ----- | Machine Base complete, Nos. 132593, 132596, 132618, 132655, three each 1204E, 131022 and four each 935E, 42088 and 132595..... |
| 132705 | ----- | Machine Base and Oil Drain Jar complete, Nos. 132656 and 132697.....                                                           |

**MACHINE BASE OIL DRAIN JARS****MACHINE BASE OIL DRAIN JAR**

SWINGING TYPE

**OIL DRAIN JAR NO. 131268**

FOR MACHINE BASE NO. 132592

FOR BENCH STAND NO. 79768

| No.    | Plate | Name                        |
|--------|-------|-----------------------------|
| 131185 | 20828 | Jar (glass).....            |
| 131191 | 20828 | " Cap.....                  |
| 131188 | 20828 | " Clamp.....                |
| 131217 | ----- | " " 131188 with 131189..... |
| 131189 | 20828 | " " Lever.....              |
| 1247C  | 20824 | " " " Hinge Screw.....      |

| No.    | Plate | Name                                                                                                                              |
|--------|-------|-----------------------------------------------------------------------------------------------------------------------------------|
| 131265 | 20828 | Nipple (long).....                                                                                                                |
| 131266 | 20828 | " (short).....                                                                                                                    |
| 131267 | 20828 | " Elbow.....                                                                                                                      |
| 131268 | ----- | Machine Base Oil Drain Jar (swinging type) complete, Nos. 131185,131191, 131217,131266 and two each 1247C, 131265 and 131267..... |

## MACHINE BASE OIL DRAIN JAR

SWINGING TYPE

## OIL DRAIN JAR NO. 132697

FOR MACHINE BASE NO. 132656

FOR BENCH STAND NO. 79790

| No.    | Plate | Name                                                                                                                              |
|--------|-------|-----------------------------------------------------------------------------------------------------------------------------------|
| 132697 | ----- | Machine Base Oil Drain Jar (swinging type) complete, Nos. 131185,131191, 131217,131265 and two each 1247C, 131266 and 131267..... |

## THREAD UNWINDER

FOR THREE SPOOLS

| No.     | Plate | Name                                     |
|---------|-------|------------------------------------------|
| 225259  | 20778 | Spool Rest (for one spool) with 201018C. |
| 225257  | 20778 | " " " two spools) with 201018C           |
| 150203  | 20778 | " " Cushion (felt).....                  |
| 225388  | 20778 | " " Rod.....                             |
| 200383C | 20807 | " " Set Screw.....                       |
| 201018C | 20807 | " " Set Screw.....                       |
| 202490  | 20778 | " Stand with 200383C.....                |
| 225391  | 20778 | Thread Guide.....                        |
| 201696J | 20807 | " " Lock Nut.....                        |
| 225326  | 20807 | " " Position Cup.....                    |
| 225324  | 20778 | " " Rod with 208E and 225322....         |
| 208E    | 7409  | " " Screw.....                           |
| 225322  | 20807 | " " Washer.....                          |
| *150057 | ----- | " Separator.....                         |
| 150058  | 20778 | " " 150057 with 150059.....              |
| *150059 | ----- | " " Bracket.....                         |

| No.                                                                    | Plate | Name                                                                                                                                                      |
|------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 150060                                                                 | 20778 | Thread Separator Bracket Arm with 164J and 9525.....                                                                                                      |
| 164J                                                                   | 20807 | Thread Separator Bracket Arm Clamping Screw.....                                                                                                          |
| 9525                                                                   | 20807 | Thread Separator Bracket Arm Clamping Screw Washer.....                                                                                                   |
| 164J                                                                   | 20807 | Thread Separator Bracket Screw.....                                                                                                                       |
| 9525                                                                   | 20807 | " " " " Washer...                                                                                                                                         |
| 150061                                                                 | ----- | Thread Separator complete, Nos. 164J, 9525,150058 and 150060.....                                                                                         |
| 150178                                                                 | 20778 | Thread Unwinder complete, Nos. 150061, 201696J,202490,225257,225259,225324 225326,225388 and three each 150203 225391 and wood screws 7/8 in. No. 12..... |
| 27739                                                                  | 20778 | Thread Cone (wood) for large cones.....                                                                                                                   |
| 225390                                                                 | 20778 | " " Holder, for inverted cones..                                                                                                                          |
| Note: Nos. 27739 and 225390 are used with, but not included in 150178. |       |                                                                                                                                                           |

## OBSOLETE PARTS

| No.     | Plate | Name                                                                                                                     |
|---------|-------|--------------------------------------------------------------------------------------------------------------------------|
| *132713 | ----- | Frame Rotary Shaft Bushing (front) use 132862.....                                                                       |
| 132714  | 20802 | Frame Rotary Shaft Bushing (front) 132713 with 132552,132715 and 132716, use 132863.....                                 |
| 132552  | 20822 | Frame Rotary Shaft Bushing (front) Oil Pad (braided cotton).....                                                         |
| 132553  | 20803 | Frame Rotary Shaft Crank with 1036C and 1375C, superseded by 132775, not interchangeable.....                            |
| 132716  | 20802 | Frame Rotary Shaft Crank Oil Sling Cover, superseded by 132835, not interchangeable.....                                 |
| *132554 | ----- | Frame Rotary Shaft Flanged Bushing (back) use 132965.....                                                                |
| 132694  | 20802 | Frame Rotary Shaft Flanged Bushing (back) 132554 with 132555,132556, 132603 and 132692, use 132866.....                  |
| 132555  | 20802 | Frame Rotary Shaft Flanged Bushing (back) Oil Pad (large) braided cotton, superseded by 132867, not interchangeable..... |

| No.     | Plate | Name                                                                                                                     |
|---------|-------|--------------------------------------------------------------------------------------------------------------------------|
| 132556  | 20802 | Frame Rotary Shaft Flanged Bushing (back) Oil Pad (small) braided cotton, superseded by 132868, not interchangeable..... |
| *132573 | ----- | Looper (right hand) and Spreader Lever Ball Stud.....                                                                    |
| 132695  | 20805 | Looper (right hand) and Spreader Lever Ball Stud 132573 with 132696.....                                                 |
| 132696  | 20805 | Looper (right hand) and Spreader Lever Ball Stud Oil Pad (felt).....                                                     |
| 132574  | 20805 | Looper (right hand) and Spreader Lever Connection with four 1057E, superseded by 132777, not interchangeable.....        |
| 132617  | ----- | Looper (right hand) and Spreader Lever Connection 132574 with 132553 and 132695, use 132779.....                         |
| 1057E   | 20804 | Looper (right hand) and Spreader Lever Connection Cap Screw.....                                                         |
| 132577  | 20805 | Looper (right hand) and Spreader Lever Connection Guide.....                                                             |
| 196F    | 20805 | Looper (right hand) and Spreader Lever Connection Guide 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

## NUMERICAL LIST OF PARTS

| No.  | Plate | Name                                                                        |
|------|-------|-----------------------------------------------------------------------------|
| 61C  | 7406  | Feed (back) Bar Hinge Screw for 132624..                                    |
| 85D  | 7414  | Presser Lever Lifter Hinge Screw.....                                       |
| 93C  | 7413  | Needle Bar Thread Retainer Screw.....                                       |
| 133F | 20818 | Knife (movable) Holder Screw for 42308 and 132627.....                      |
| 157E | 20803 | Feed (front) Rock Shaft Crank Clamping Screw for 42021.....                 |
| 157E | 5569  | Knife Grinder Knife Holder Bracket Clamping Screw for 41331.....            |
| 164J | 20807 | Thread Unwinder Thread Separator Bracket Arm Clamping Screw for 150060..... |
| 164J | 20807 | Thread Unwinder Thread Separator Bracket Screw for 150061.....              |
| 171C | 7413  | Feed (front) Connecting Rod Hinge Screw Clamping Screw for 132529.....      |
| 171F | 7413  | Needle Guard Screw.....                                                     |
| 175E | 20804 | Knife (movable) Lever Connection Hinge Stud Set Screw for 132562.....       |
| 176J | 20806 | Frame Top Cover Extension Screw for 132600.....                             |
| 176J | 20806 | Thread (looper, left hand) Nipper Spring Screw.....                         |
| 176J | 20806 | Thread (looper, right hand) Staple Screw                                    |
| 187E | 20805 | Needle Bar Connecting Bracket Clamping Screw for 132598.....                |
| 190E | 7406  | Feed (front) Dog Screw.....                                                 |
| 190E | 7406  | Frame Bottom Cover Screw.....                                               |
| 190J | 7406  | Feed (back) Regulator Set Screw for 81-56 Machine.....                      |
| 190J | 20825 | Welt Guide Screw for 132758.....                                            |
| 196F | 20805 | Looper (right hand) and Spreader Lever Connection Guide Screw, obsolete...  |
| 196F | 20805 | Needle Bar Connecting Rod Guide Screw...                                    |
| 197J | 7414  | Frame Top Cover Oil Reservoir Cover Screw for 132781.....                   |
| 197J | 7414  | Looper (right hand) Screw.....                                              |
| 197J | 7414  | Spreader Screw.....                                                         |
| 197J | 7414  | Thread (looper, right hand) Take-up Screw.....                              |
| 197J | 7414  | Thread Needle Take-up Screw.....                                            |
| 201J | 7407  | Feed (front) Eccentric Clamping Washer Screw for 132534 and 132644.....     |
| 203E | 20824 | Feed (back) Dog Screw.....                                                  |



| No.  | Plate | Name                                                                                                     |
|------|-------|----------------------------------------------------------------------------------------------------------|
| 207J | 20806 | Thread (looper, right hand) Pull-off Eyelet Screw.....                                                   |
| 208E | 7409  | Thread Unwinder Thread Guide Rod Screw for 225324.....                                                   |
| 217J | 20805 | Needle Bar Bushing (upper) Oil Pad Cover Screw.....                                                      |
| 223F | 20805 | Needle Bar Connecting Link Hinge Pin Set Screw for 132598.....                                           |
| 223J | 20805 | Thread (needle) Eyelet Screw.....                                                                        |
| 233E | 20809 | Cloth Plate Extension (lower) Screw for 132527.....                                                      |
| 233E | 20809 | Cloth Plate Extension (upper) Screw for 132527.....                                                      |
| 233E | 20809 | Thread (looper, left hand) Eyelet Screw for 132698.....                                                  |
| 233J | 20809 | Presser Foot Chaining-off Finger Screw for 42185, 132681, 132686, 132687, 132708, 132764 and 132768..... |
| 236C | 20821 | Cloth Plate Lock Spring Screw for 132527                                                                 |
| 240C | 20809 | Presser Foot Chaining-off Plate Collar Set Screw for 132610.....                                         |
| 241E | 20820 | Looper (right hand) and Spreader Lever Oil Plug Screw for 132698.....                                    |
| 283W | 7409  | Frame Top Cover Extension Holder Thumb Screw.....                                                        |
| 313C | 5569  | Knife Grinder Knife Holder Screw Center for 150209 and 150210.....                                       |
| 330W | 20821 | Frame Side Cover (left) Screw.....                                                                       |
| 330W | 20821 | " " " (right) Screw.....                                                                                 |
| 336F | 20818 | Knife (movable) Holder Guide Set Screw for 42038.....                                                    |
| 356C | 20807 | Rock Shaft Knee Arm Hub Set Screw for 2766.....                                                          |
| 356C | 20807 | Rock Shaft Knee Plate Set Screw for 2767                                                                 |
| 356C | 20807 | " " Lifting Bracket Hook Set Screw for 6337.....                                                         |
| 356C | 20807 | Rock Shaft Lifting Bracket Set Screw for 6337.....                                                       |
| 356C | 20807 | Rock Shaft Stop Dog Set Screw for 2770..                                                                 |
| 404E | 7409  | Knife (movable) Holder Cap Screw for 132627.....                                                         |
| 440C | 20818 | Knife (stationary) Holder Stop Screw....                                                                 |
| 446C | 7409  | Balance Wheel Set Screw for 132632.....                                                                  |
| 462C | 20803 | Feed (front) Lifting Eccentric Set Screw for 132649.....                                                 |
| 462C | 20803 | Needle Bar Bushing Set Screw for 132522.                                                                 |
| 462C | 20803 | Thread (looper, left hand) Tube Set Screw.....                                                           |

| No.   | Plate | Name                                                                                                        |
|-------|-------|-------------------------------------------------------------------------------------------------------------|
| 464C  | 20816 | Presser Foot Spring Adjusting Pin Set Screw for 42185.....                                                  |
| 474J  | 20826 | Machine Base Thumb Screw, for use when machine is mounted 1 1/2 inch lower than standard (Accessories)..... |
| 583F  | 20806 | Frame Top Cover Screw (large).....                                                                          |
| 620C  | 7413  | Needle Bar Connecting Link Hinge Pin Set Screw for 132597.....                                              |
| 621E  | 20818 | Knife (movable) Holder Guide Plate Screw                                                                    |
| 624C  | 7413  | Needle Bar Crank (back) Bushing Set Screw for 132522.....                                                   |
| 717C  | 5569  | Knife Grinder Knife Holder Bracket Stop Screw for 41335 and 41819.....                                      |
| 735C  | 20809 | Presser Foot Chaining-off Plate Collar Guide Pin Set Screw for 132679 and 132685.....                       |
| 742F  | 20806 | Frame Top Cover Screw (small).....                                                                          |
| 742F  | 20806 | Throat Plate Screw.....                                                                                     |
| 771D  | 5569  | Knife Grinder Knife Holder Clamp Thumb Screw for 150209 and 150210.....                                     |
| 828C  | 7414  | Tension (looper, right hand) Screw Stud for 42418.....                                                      |
| 879D  | 5569  | Knife Grinder Frame Oil Hole Stop Screw for 41335 and 41319.....                                            |
| 896E  | 20817 | Looper (right hand) and Spreader Lever Connection Cap Screw for 132777....                                  |
| 916C  | 7414  | Tension (needle thread) Screw Stud for 44209.....                                                           |
| 935E  | 7413  | Machine Base Cushion (small) Screw for 132592 and 132656.....                                               |
| 949E  | 20806 | Arm Screw.....                                                                                              |
| 970D  | 5569  | Knife Grinder Knife Holder Regulating Thumb Screw for 150209 and 150210..                                   |
| 1036C | 5569  | Feed (front) Eccentric Body Set Screw for 132534 and 132644.....                                            |
| 1036C | 20803 | Feed (front) Rock Shaft Hinge Pin Bushing Set Screw.....                                                    |
| 1036C | 20817 | Frame Rotary Shaft Crank Set Screw for 132553 and 132769.....                                               |
| 1036C | 5569  | Looper (left hand) Lever Hinge Stud Set Screw.....                                                          |
| 1036C | 5569  | Looper (right hand) and Spreader Lever Hinge Pin Bushing Set Screw.....                                     |
| 1036C | 5569  | Looper (right hand) and Spreader Lever Hinge Pin Set Screw.....                                             |
| 1036C | 5569  | Knife Grinder Emery Wheel Shaft Pulley Set Screw for 41325.....                                             |
| 1036C | 5569  | Knife Grinder Knife Holder Bracket Hinge Stud Set Screw for 41329.....                                      |

| No.   | Plate | Name                                                                                  |
|-------|-------|---------------------------------------------------------------------------------------|
| 1057E | 20804 | Feed (front) Connecting Rod Cap Screw for 132529.....                                 |
| 1057E | 20804 | Knife (movable) Lever Connection Cap Screw for 132563.....                            |
| 1057E | 20804 | Looper (right hand) and Spreader Lever Connection Cap Screw for 132574, obsolete..... |
| 1057E | 20804 | Needle Bar Connecting Rod Cap Screw for 132585.....                                   |
| 1101C | 20818 | Knife (stationary) Holder Screw.....                                                  |
| 1117J | 20825 | Welt Guide Regulating Thumb Screw for 132758.....                                     |
| 1120C | 20806 | Presser Lever Hinge Stud Set Screw.....                                               |
| 1132C | 20819 | Feed (back) Bar Hinge Screw for 132672..                                              |
| 1132C | 7406  | " " Connecting Link Hinge Screw for 132624.....                                       |
| 1132C | 7406  | Feed (back) Regulator Hinge Screw for 132624.....                                     |
| 1148F | 20824 | Lifting Lever Stop Screw for 42133 and 42144.....                                     |
| 1204E | 20824 | Machine Base Position Stud for 132656...                                              |
| 1209C | 20825 | Welt Guide Holder Screw for 132758.....                                               |
| 1229C | 20804 | Knife (movable) Lever Hinge Stud Set Screw.....                                       |
| 1229C | 20804 | Lifting Lever Bracket Screw for 42133 and 42144.....                                  |
| 1247C | 20824 | Machine Base Oil Drain Jar Clamp Lever Hinge Screw for 131268 and 132697..            |
| 1253C | 7406  | Feed (front) Bar Hinge Pin Set Screw for 42151 and 132671.....                        |
| 1253C | 7406  | Looper (left hand) Lever Connecting Stud Hinge Pin Set Screw for 132566.....          |
| 1259C | 7413  | Needle Bar Crank (back) Ball Stud Set Screw for 132588.....                           |
| 1259C | 7413  | Needle Bar Crank (back) Set Screw for 132588.....                                     |
| 1259C | 7413  | Needle Bar Crank (front) Position Screw for 132597.....                               |
| 1255C | 20807 | Balance Wheel Position Screw for 132632.                                              |
| 1301D | 20824 | Lifting Lever Hinge Screw for 42133 and 42144.....                                    |
| 1324C | 20824 | Presser Foot Screw.....                                                               |
| 1375C | 20317 | Frame Rotary Shaft Crank Position Screw for 132553 and 132769.....                    |
| 1376C | 20318 | Knife (stationary) Holder Regulating Thumb Screw.....                                 |
| 1377C | 20807 | Presser Lever Screw Stud (eccentric)....                                              |
| 1378D | 7414  | Pressure Regulating Thumb Screw.....                                                  |

| No.   | Plate | Name                                                                                                                                    |
|-------|-------|-----------------------------------------------------------------------------------------------------------------------------------------|
| 1408J | 20826 | Machine Base Thumb Screw for 1 5/8 in. tables and Individual Stands, for use when machine is mounted on top of table (Accessories)..... |
| 1444C | 7406  | Feed (back) Regulator Thumb Screw for 132541.....                                                                                       |
| 1508C | 5569  | Knife Grinder Emery Wheel Clamping Nut for 41335 and 41819.....                                                                         |
| 1519J | 5569  | Knife Grinder Knife Holder Screw Center Nut for 150209 and 150210.....                                                                  |
| 1520J | 5569  | Feed (front) Connecting Rod Hinge Screw Nut.....                                                                                        |
| 1520J | 5569  | Knife Grinder Knife Holder Bracket Stop Screw Nut for 41335 and 41819.....                                                              |
| 1534D | 20818 | Knife (stationary) Clamping Stud Thumb Nut.....                                                                                         |
| 1547J | 20818 | Knife (stationary) Holder Stop Screw Nut                                                                                                |
| 1547J | 7409  | Lifting Lever Stop Screw Nut for 42133 and 42144.....                                                                                   |
| 1547J | 7409  | Presser Lever Screw Stud Nut.....                                                                                                       |
| 1560C | 7414  | Tension (looper, left hand) Regulating Thumb Nut for 124687.....                                                                        |
| 1560C | 7414  | Tension (looper, right hand) Regulating Thumb Nut for 42418.....                                                                        |
| 1560C | 7414  | Tension (needle thread) Regulating Thumb Nut for 44209.....                                                                             |
| 1664E | 20817 | Frame Rotary Shaft Crank Ball Sleeve Bushing Nut for 132775.....                                                                        |
| 1695J | 7407  | Feed (front) Connecting Rod Hinge Screw Clamping Screw Nut for 132529.....                                                              |
| 1728C | 20805 | Needle Clamping Nut.....                                                                                                                |
| 2102  | 7414  | Tension (looper, left hand) Disc.....                                                                                                   |
| 2102  | 7414  | " " right hand) Disc.....                                                                                                               |
| 2102  | 7414  | " (needle thread) Disc.....                                                                                                             |
| 2763  | 20808 | Rock Shaft for 42143.....                                                                                                               |
| 2765  | 20808 | " " Knee Arm, for 2768.....                                                                                                             |
| 2766  | 20808 | " " " " Hub with 356C, for 2768.....                                                                                                    |
| 2767  | 20808 | Rock Shaft Knee Plate with 356C, for 2768.....                                                                                          |
| 2768  | ----- | Rock Shaft Knee Arm complete, for 42143, Nos. 2765 to 2767.....                                                                         |
| 2770  | 20808 | Rock Shaft Stop Dog with 356C, for 42143                                                                                                |
| 4389  | 20821 | Arm Dowel Pin.....                                                                                                                      |
| 4822  | 5566  | Wrench for 1547 (Accessories).....                                                                                                      |
| 4879  | 5566  | Chain Connecting Link for 4885.....                                                                                                     |
| 4881  | 20808 | Treadle for 4885.....                                                                                                                   |
| 4882  | 5566  | " Shaft for 4885.....                                                                                                                   |

| No.    | Plate | Name                                                                                                                      |
|--------|-------|---------------------------------------------------------------------------------------------------------------------------|
| 4883   | 5566  | Treadle Spring for 4885.....                                                                                              |
| 4884   | 20808 | " Stand for 4885.....                                                                                                     |
| 4885   | 20808 | Treadle complete for 42133, Nos. 4879, 4881 to 4884 and two wood screws 1 in. No.16.....                                  |
| 6337   | 20808 | Rock Shaft Lifting Bracket with two 356C for 42143.....                                                                   |
| 6439   | ----- | Chain, 36 in. to 45 in. with 56864 and 56865, for 42133.....                                                              |
| 7071   | 20821 | Thread (looper, right hand) Staple Screw Washer.....                                                                      |
| 7125   | 20808 | Rock Shaft Lifting Bracket Hook for 42143.....                                                                            |
| 8908   | 5566  | Wrench for 1520 (Accessories).....                                                                                        |
| 9320   | 20816 | Presser Foot Hinge Pin for 42185.....                                                                                     |
| 9525   | 20807 | Thread Unwinder Thread Separator Bracket Arm Clamping Screw Washer for 150080.....                                        |
| 9525   | 20807 | Thread Unwinder Thread Separator Bracket Screw Washer for 150061.....                                                     |
| 9842   | 7419  | Machine Base Screw Stud Nut Washer for 132592.....                                                                        |
| 9842   | 7419  | Machine Base Thumb Screw Spring Washer (Accessories).....                                                                 |
| 10107  | 7413  | Needle Bar Thread Retainer Spring.....                                                                                    |
| 10148  | 7414  | Tension (looper, right hand) Spring.....                                                                                  |
| 10148  | 7414  | " (needle thread) Spring.....                                                                                             |
| 12242  | 20808 | Rock Shaft Hanger with two wood screws 1 in. No. 10 for 42143.....                                                        |
| 14058  | 20809 | Presser Foot Chaining-off Plate Spring for 132681, 132686, 132687, 132708, 132764 and 132768.....                         |
| 14058  | 20809 | Presser Foot Spring for 42185.....                                                                                        |
| 14063  | 20807 | Machine Base Thumb Screw Spring, for Thumb Screw No. 1408, when machine is mounted on individual stand (Accessories)..... |
| 14222  | 5569  | Knife Grinder Knife Holder Clamp Steady Pin for 41330 and 41818.....                                                      |
| •15404 | ----- | Trade Mark for 132522.....                                                                                                |
| 15405  | ----- | " " Rivet for 132522.....                                                                                                 |
| 19044  | 7409  | Frame Top Cover Extension Holder Thumb Screw Washer.....                                                                  |
| 19047  | 7407  | Feed (front) Eccentric Clamping Washer for 132534 and 132644.....                                                         |
| 22436  | 20825 | Welt Guide Holder Screw Washer for 132758.....                                                                            |

| No.   | Plate | Name                                                                                                                                                                                                 |
|-------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 27498 | 20826 | Machine Base Thumb Screw Spring, for Thumb Screw No. 1408 on 1 5/8 inch tables and Thumb Screw No. 474 when machine is mounted 1 1/2 inch lower than standard (Accessories).                         |
| 27739 | 20778 | Thread Unwinder Thread Cone (wood) for large cones, for 150178.....                                                                                                                                  |
| 27998 | 20807 | Bench Stand Cover Hook and Eye (brass) with wood screw 1/2 in. No. 5 F.H. for 79768 and 79790.....                                                                                                   |
| 28291 | 20807 | Bench Stand Cover Hinge with two each wood screws 1/2 in. No. 5 F.H. and 5/8 in. No. 5 F.H., for 79768 and 79790.....                                                                                |
| 39541 | 20824 | Presser Foot Screw Washer.....                                                                                                                                                                       |
| 41326 | 20829 | Knife Grinder Emery Wheel for 41335 and 41819.....                                                                                                                                                   |
| 41327 | 20829 | Knife Grinder Emery Wheel Shaft for 41335 and 41819.....                                                                                                                                             |
| 41328 | 20829 | Knife Grinder Emery Wheel Shaft Pulley with 1036C, for 41335 and 41819...                                                                                                                            |
| 41329 | 20830 | Knife Grinder Frame with 1036C for 41335 and 41819.....                                                                                                                                              |
| 41330 | 20829 | Knife Grinder Knife Holder with two 14222, for 150209.....                                                                                                                                           |
| 41331 | 20829 | Knife Grinder Knife Holder Bracket with 157E, for 150209 and 150210.....                                                                                                                             |
| 41332 | 5569  | Knife Grinder Knife Holder Spring for 150209 and 150210.....                                                                                                                                         |
| 41333 | 5569  | Knife Grinder Knife Holder Clamp for 150209 and 150210.....                                                                                                                                          |
| 41334 | 5569  | Knife Grinder Knife Holder Clamp Spring for 150209 and 150210.....                                                                                                                                   |
| 41335 | ----- | Knife Grinder complete, for Knives, Nos. 42046 and 42213, for 81-56 Machine Nos. 717C, 1508C, 1520J, 41326 to 41329, 42065, 150209, two each 878D, 41513 and three wood screws 1 1/4 in. No. 12..... |
| 41513 | 5569  | Knife Grinder Emery Wheel Washer for 41335 and 41819.....                                                                                                                                            |
| 41818 | 20829 | Knife Grinder Knife Holder with two 14222, for 150210.....                                                                                                                                           |
| 41819 | ----- | Knife Grinder complete for Knives, Nos. 42305 and 42309, for 81-53 Machine Nos. 717C, 1508C, 1520J, 41326 to 41329, 42065, 150210, two each 878D, 41513 and three wood screws 1 1/4 in. No. 12.....  |

| No.   | Plate | Name                                                                      |
|-------|-------|---------------------------------------------------------------------------|
| 42005 | 20821 | Cloth Plate Lock Spring for 132527.....                                   |
| 42021 | 20803 | Feed (front) Rock Shaft Crank with 157E,<br>for 132541 and 132676.....    |
| 42028 | 20827 | Frame Side Cover (right) Hinged.....                                      |
| 42035 | 7409  | Knife (movable) Holder for 132627.....                                    |
| 42037 | 7409  | " " " Cap for 132627...                                                   |
| 42038 | 20818 | " " " Guide with 336F,<br>for 81-53 Machine.....                          |
| 42039 | 20818 | Knife (movable) Holder Guide Plate for<br>81-53 Machine.....              |
| 42040 | 20818 | Knife (movable) Holder Screw Extension<br>Pin for 42308 and 132627.....   |
| 42041 | 20818 | Knife (movable) Holder Spring.....                                        |
| 42045 | 20804 | " " Lever Hinge Stud.....                                                 |
| 42045 | 20804 | Presser Lever Hinge Stud.....                                             |
| 42046 | 20804 | Knife (stationary) with 42049, for 81-56<br>Machine.....                  |
| 42048 | 20804 | Knife (stationary) Clamping Stud for<br>81-56 Machine.....                |
| 42049 | 20818 | Knife (stationary) Stud for 42046 and<br>42309.....                       |
| 42050 | 20822 | Looper (left hand).....                                                   |
| 42054 | 20805 | Needle Bar.....                                                           |
| 42065 | 5569  | Knife Grinder Knife Holder Bracket Hinge<br>Stud for 41335 and 41819..... |
| 42066 | 7413  | Needle Guard.....                                                         |
| 42069 | 20827 | Presser Lever.....                                                        |
| 42070 | 7414  | " " Lifter.....                                                           |
| 42071 | 7414  | " " Spring.....                                                           |
| 42082 | 7414  | Tension (needle thread) Thread Guide....                                  |
| 42084 | 20806 | Thread (looper, left hand) Tube.....                                      |
| 42088 | 7419  | Machine Base Cushion (small) felt, for<br>132592 and 132656.....          |
| 42089 | 5566  | Wrench for 1324 (Accessories).....                                        |
| 42090 | 5566  | Threading Wire (Accessories).....                                         |
| 42101 | 20821 | Frame Side Cover (right) Lock Spring for<br>132600.....                   |
| 42102 | 7409  | Frame Top Cover Extension Holder for<br>132600.....                       |
| 42108 | 20821 | Cloth Plate Extension (upper) for 132527                                  |
| 42115 | 7413  | Needle Bar Thread Retainer Bracket.....                                   |
| 42122 | 20806 | Thread (looper, left hand) Nipper Spring<br>(lower).....                  |
| 42123 | 20806 | Thread (looper, left hand) Nipper Spring<br>(upper).....                  |
| 42126 | 20806 | Thread (looper, left hand) Pull-off.....                                  |
| 42127 | 20806 | " (looper, right hand) Take-up.....                                       |
| 42130 | 20824 | Lifting Lever for 42133 and 42144.....                                    |

| No.   | Plate | Name                                                                                                                                    |
|-------|-------|-----------------------------------------------------------------------------------------------------------------------------------------|
| 42131 | 20824 | Lifting Lever Bracket for 42133 and<br>42144.....                                                                                       |
| 42132 | 20824 | Lifting Lever Spring for 42133 and<br>42144.....                                                                                        |
| 42133 | ----- | Foot Lifter complete, Nos. 1301D, 4885,<br>6439, 42130 to 42132 and two each<br>1148F, 1229C and 1547J.....                             |
| 42142 | 20808 | Lifting Lever Connecting Rod for 42144.                                                                                                 |
| 42143 | 20808 | Rock Shaft complete for 42144, Nos. 2763<br>2768, 6337, 7125 and two each 2770<br>and 12242.....                                        |
| 42144 | ----- | Knee Lifter complete, Nos. 1301D, 42130<br>to 42132, 42142, 42143 and two each<br>1148F, 1229C and 1547J.....                           |
| 42147 | 7406  | Feed (back) Bar for 132624.....                                                                                                         |
| 42148 | 7406  | Feed (back) Connecting Link for 132624.                                                                                                 |
| 42149 | 20816 | " " Dog, 3 teeth (16 teeth to<br>the inch) for 42452, for 81-56 Ma-<br>chine.....                                                       |
| 42150 | 7406  | Feed (back) Regulator for 132624.....                                                                                                   |
| 42151 | 7406  | " (front) Bar with 1253C, for 132624.                                                                                                   |
| 42159 | ----- | Presser Foot Plate for 42185.....                                                                                                       |
| 42160 | 20816 | " " Spring Adjusting Pin for<br>42185.....                                                                                              |
| 42182 | 20816 | Feed (front) Dog, 17 teeth (16 teeth to<br>the inch) for 42452, for 81-56 Ma-<br>chine.....                                             |
| 42183 | ----- | Presser Foot Body for 42185.....                                                                                                        |
| 42184 | 20816 | " " Chaining-off Finger, for<br>42185.....                                                                                              |
| 42185 | 20816 | Presser Foot (spring hinged) complete,<br>for 81-56 Machine, Nos. 233J, 464C,<br>9320, 14058, 42159, 42160, 42183 and<br>42184.....     |
| 42188 | 20825 | Welt Guide (hinged) complete, for blind<br>stitch welting, for 81-56 Machine,<br>Nos. 42473, 42474, 42476, 132869 and<br>two 42477..... |
| 42213 | 7409  | Knife (movable) for 81-56 Machine.....                                                                                                  |
| 42214 | 7409  | " " Gib for 132627.....                                                                                                                 |
| 42242 | 20820 | Thread (looper, left hand) Eyelet for<br>132639.....                                                                                    |
| 42244 | 20806 | Thread (looper, right hand) Pull-off<br>Eyelet.....                                                                                     |
| 42253 | 20805 | Needle Bar Bushing (lower) for 132522..                                                                                                 |
| 42305 | 20818 | Knife (movable).....                                                                                                                    |
| 42306 | 20818 | " " Gib for 42303.....                                                                                                                  |
| 42307 | 20818 | " " Holder for 42303.....                                                                                                               |

| No.    | Plate | Name                                                                        |
|--------|-------|-----------------------------------------------------------------------------|
| 42308  | ----- | Knife (movable) Holder 42307 with 133F, 42040 and 42306, for 81-53 Machine. |
| 42309  | 20818 | Knife (stationary) with 42049, for 81-53 Machine.....                       |
| 42310  | 20818 | Knife (stationary) Clamping Stud for 81-53 Machine.....                     |
| 42418  | ----- | Tension (looper, right hand) Screw Stud 828C with 1560C.....                |
| 42452  | 20816 | Throat Plate, for 42149 and 42182, for Heavy Work for 81-56 Machine.....    |
| 42461  | 20809 | Presser Foot Hinge Pin for 132686, 132687 and 132708.....                   |
| 42473  | 20825 | Welt Guide for 42188.....                                                   |
| 42474  | 20825 | " " Hinge Pin for 42188.....                                                |
| 42475  | 20825 | " " " (female half) for 132869.....                                         |
| 42476  | 20825 | Welt Guide Hinge (male half) for 42188..                                    |
| 42477  | 20825 | " " " Rivet for 42188 and 132869.....                                       |
| 42478  | 20825 | Welt Guide Spring for 132869.....                                           |
| 42483  | 7413  | Needle Bar Thumb Retainer Disc.....                                         |
| 44209  | ----- | Tension (needle thread) Screw Stud 916C with 1560C.....                     |
| 46548  | 20807 | Bench Stand Cover Rest (felt) for 79768 and 79790.....                      |
| 50117C | 20822 | Looper (left hand) Clamping Screw for 132566.....                           |
| 50148C | 7414  | Tension (looper, left hand) Screw Stud for 124687.....                      |
| 50150C | 20821 | Cloth Plate Hinge Stud Set Screw.....                                       |
| 50200C | 7413  | Looper (right hand) and Spreader Lever Ball Stud Set Screw for 132698.....  |
| 50200C | 7413  | Needle Bar Crank (front) Set Screw for 132597.....                          |
| 50253J | 7407  | Feed (front) Eccentric Cover Screw for 132600.....                          |
| 51145C | 7407  | Feed (front) Regulating Screw for 132534 and 132644.....                    |
| 51292C | 7407  | Feed (front) Connecting Rod Hinge Screw.                                    |
| 51332C | 20821 | Frame Rotary Shaft Bushing (front) Set Screw.....                           |
| 51332C | 20821 | Frame Rotary Shaft Flanged Bushing (back) Set Screw.....                    |
| 51360W | 20819 | Feed (back) Regulator Position Screw for 132672.....                        |
| 51576E | 7419  | Machine Base Screw Stud Nut for 132592..                                    |
| 54477  | 7419  | " " " for 132592.....                                                       |
| 54883  | 7414  | Tension (looper, left hand) Spring.....                                     |

| No.    | Plate | Name                                                                                                                                                                                                                                                                                                                 |
|--------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 56864  | 5566  | Chain Hook (large) for 6439.....                                                                                                                                                                                                                                                                                     |
| 56865  | 20807 | Bench Stand Cover Chain Hook for 60820..                                                                                                                                                                                                                                                                             |
| 56865  | 20807 | Chain Hook (small) for 6439.....                                                                                                                                                                                                                                                                                     |
| 60820  | ----- | Bench Stand Cover Chain 9 1/4 in. long with two 56865, for 79790.....                                                                                                                                                                                                                                                |
| 68350  | 20821 | Arm Oil Cup.....                                                                                                                                                                                                                                                                                                     |
| 68497  | 20822 | Looper (left hand) Lever Connecting Stud Oil Pad (wick) for 132718.....                                                                                                                                                                                                                                              |
| 79768  | ----- | Bench Stand with 27998, two each 28291, 46548, wood screws 1 1/2 in. No. 12 F.H. and eight wood screws 5/8 in. No. 5 F.H., for Machine Base No. 132592, for use when machine is mounted on top of table.....                                                                                                         |
| 79790  | ----- | Bench Stand with 27998, 60820, two each 28291, 46548, 150244, three each wood screws 1 1/4 in. No. 12 F.H., 1 1/2 in. No. 14 F.H. and eight wood screws 1/2 in. No. 5 F.H., for Machine Base No. 132656, for use when machine is mounted 1 1/2 in. lower than standard, for Front Planks, Nos. 123882 to 123885..... |
| 120341 | 5566  | Tweezers (curved) Accessories.....                                                                                                                                                                                                                                                                                   |
| 120344 | 5566  | Oiler (copper plated) with 120345 (Accessories).....                                                                                                                                                                                                                                                                 |
| 120345 | 5566  | Oiler Spout, 5 in. long, for 120344.....                                                                                                                                                                                                                                                                             |
| 120440 | 5566  | Screw Driver (Accessories).....                                                                                                                                                                                                                                                                                      |
| 124687 | ----- | Tension (looper, left hand) Screw Stud 50148C with 1560C.....                                                                                                                                                                                                                                                        |
| 125056 | 20805 | Looper (right hand) and Spreader Lever Hinge Pin Oil Pad (braided cotton) for 132699.....                                                                                                                                                                                                                            |
| 131022 | 20824 | Machine Base Position Stud Bushing (rubber) for 132656.....                                                                                                                                                                                                                                                          |
| 131185 | 20828 | Machine Base Oil Drain Jar (glass) for 131268 and 132697.....                                                                                                                                                                                                                                                        |
| 131188 | 20828 | Machine Base Oil Drain Jar Clamp for 131217.....                                                                                                                                                                                                                                                                     |
| 131189 | 20828 | Machine Base Oil Drain Jar Clamp Lever for 131217.....                                                                                                                                                                                                                                                               |
| 131191 | 20828 | Machine Base Oil Drain Jar Cap for 131268 and 132697.....                                                                                                                                                                                                                                                            |
| 131217 | ----- | Machine Base Oil Drain Jar Clamp 131188 with 131189, for 131268 and 132697.                                                                                                                                                                                                                                          |
| 131265 | 20828 | Machine Base Oil Drain Jar Nipple (long) for 131268 and 132697.....                                                                                                                                                                                                                                                  |
| 131266 | 20828 | Machine Base Oil Drain Jar Nipple (short) for 131268 and 132697.....                                                                                                                                                                                                                                                 |

| No.     | Plate | Name                                                                                                                                           |
|---------|-------|------------------------------------------------------------------------------------------------------------------------------------------------|
| 131267  | 20828 | Machine Base Oil Drain Jar Nipple Elbow for 131268 and 132697.....                                                                             |
| 131268  | ----- | Machine Base Oil Drain Jar (swinging type) complete for 132704, Nos. 131185, 131191, 131217, 131266 and two each 1247C, 131265 and 131267..... |
| *132522 | ----- | Arm with 15404, 42253, 132580 and two each 462C, 624C, 15405 and 132589.....                                                                   |
| 132524  | 20808 | Cloth Plate with 132525, for 132527.....                                                                                                       |
| *132525 | ----- | " " Hinge Bracket for 132524....                                                                                                               |
| 132526  | 20821 | " " Stud.....                                                                                                                                  |
| 132527  | ----- | Cloth Plate complete, Nos. 42005, 42108, 132524, 132601, two 236C and five 233E.....                                                           |
| 132528  | 7406  | Feed (front) Bar Hinge Pin for 132624 and 132672.....                                                                                          |
| 132529  | 7407  | Feed (front) Connecting Rod with 171C, 1695J and two 1057E, for 132619 and 132643.....                                                         |
| *132531 | ----- | Feed (front) Eccentric for 132534 and 132644.....                                                                                              |
| *132532 | ----- | Feed (front) Eccentric Body for 132644..                                                                                                       |
| 132533  | 7407  | " " " Oil Tube for 132534 and 132644.....                                                                                                      |
| 132534  | 7407  | Feed (front) Eccentric complete for 132619, Nos. 201J, 19047, 51145C, 132531, 132533, 132702 and two 1036C.                                    |
| 132537  | 20803 | Feed (front) Eccentric Lubricator Oil Wick (braided cotton) for 132785...                                                                      |
| 132539  | 20803 | Feed (front) Lifting Eccentric Connection for 132624 and 132672.....                                                                           |
| 132540  | 7406  | Feed (front) Rock Shaft for 132541.....                                                                                                        |
| 132541  | ----- | Feed (front) Rock Shaft complete for 132624, Nos. 1444C, 42021 and 132540                                                                      |
| 132542  | 20803 | Feed (front) Rock Shaft Hinge Pin with 132544.....                                                                                             |
| 132543  | 20803 | Feed (front) Rock Shaft Hinge Pin Bushing.....                                                                                                 |
| 132543  | 20803 | Looper (right hand) and Spreader Lever Hinge Pin Bushing.....                                                                                  |
| 132544  | 20803 | Feed (front) Rock Shaft Hinge Pin Oil Wick (braided cotton) for 132542...                                                                      |
| *132545 | ----- | Frame.....                                                                                                                                     |
| 132546  | 20808 | " Bottom Cover with 132594.....                                                                                                                |
| 132547  | 20808 | " " " Gasket.....                                                                                                                              |
| 132548  | 20821 | " Oil Cup.....                                                                                                                                 |
| 132549  | 20827 | " Rotary Shaft with 132558 and 132559, for 132616.....                                                                                         |

| No.     | Plate | Name                                                                                                                                     |
|---------|-------|------------------------------------------------------------------------------------------------------------------------------------------|
| 132552  | 20822 | Frame Rotary Shaft Bushing (front) Oil Pad (braided cotton) for 132714, obsolete.....                                                    |
| 132552  | 20822 | Looper (left hand) Lever Hinge Stud Oil Pad (braided cotton) for 132569....                                                              |
| 132553  | 20803 | Frame Rotary Shaft Crank with 1036C and 1375C, for 132617, obsolete, superseded by 132775 not interchangeable                            |
| *132554 | ----- | Frame Rotary Shaft Flanged Bushing (back) for 132694, obsolete, use 132865.....                                                          |
| 132555  | 20802 | Frame Rotary Shaft Flanged Bushing (back) Oil Pad (large) braided cotton, for 132694, obsolete, superseded by 132867 not interchangeable |
| 132556  | 20802 | Frame Rotary Shaft Flanged Bushing (back) Oil Pad (small) braided cotton, for 132694, obsolete, superseded by 132868 not interchangeable |
| 132558  | 20823 | Frame Rotary Shaft Oil Pad (braided cotton) for 132549.....                                                                              |
| 132559  | 20823 | Frame Rotary Shaft Oil Pad Retainer for 132549.....                                                                                      |
| 132560  | 20827 | Frame Side Cover (left) with 132701.....                                                                                                 |
| 132562  | 20804 | Knife (movable) Lever with 175E.....                                                                                                     |
| 132563  | 20804 | " " " Connection with two 1057E, for 132620.....                                                                                         |
| 132565  | 20804 | Knife (movable) Lever Connection Hinge Stud.....                                                                                         |
| 132566  | 20820 | Looper (left hand) Lever with 50117C and two 1253C, for 132606 and 132639...                                                             |
| 132569  | 20822 | Looper (left hand) Lever Hinge Stud with 132552, for 132606 and 132639.....                                                              |
| *132573 | ----- | Looper (right hand) and Spreader Lever Ball Stud for 132695, obsolete.....                                                               |
| *132573 | ----- | Needle Bar Crank (back) Ball Stud for 132695.....                                                                                        |
| 132574  | 20805 | Looper (right hand) and Spreader Lever Connection with four 1057E, for 132617, obsolete, superseded by 132777, not interchangeable.....  |
| 132577  | 20805 | Looper (right hand) and Spreader Lever Connection Guide, obsolete.....                                                                   |
| 132577  | 20805 | Needle Bar Connecting Rod Guide.....                                                                                                     |
| 132580  | 20805 | " " Bushing (upper) for 132522...                                                                                                        |
| 132581  | 20805 | " " " Oil Pad (braided cotton).....                                                                                                      |
| 132582  | 20805 | Needle Bar Connecting Link for 132615...                                                                                                 |

| No.     | Plate | Name                                                                                                                                             |
|---------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| 132583  | 20805 | Needle Bar Connecting Link Hinge Pin with 132584, for 132615.....                                                                                |
| 132584  | 20805 | Needle Bar Connecting Link Hinge Pin Oil Pad (wick) for 132583.....                                                                              |
| 132585  | 7413  | Needle Bar Connecting Rod with four 1057E, for 132616.....                                                                                       |
| 132588  | 7413  | Needle Bar Crank (back) with 132590 and two 1259C.....                                                                                           |
| 132589  | 7413  | Needle Bar Crank (back) Bushing for 132522.....                                                                                                  |
| 132590  | 7413  | Needle Bar Crank (back) Oil Pad Wick for 132588.....                                                                                             |
| 132591  | 20806 | Thread (looper, right hand) Pull-off....                                                                                                         |
| 132592  | ----- | Machine Base complete, for 132704, Nos. 132593, 132596, 132618, 132647, three each 9842, 51576E, 54477 and four each 935E, 42088 and 132595..... |
| 132593  | 7419  | Machine Base Oil Drain Strainer for 132592 and 132656.....                                                                                       |
| 132594  | 7419  | Machine Base Thumb Screw Bushing for 132546.....                                                                                                 |
| 132595  | 7419  | Machine Base Cushion (large) felt, for 132592 and 132656.....                                                                                    |
| 132596  | 7419  | Machine Base Cushion (leather) for 132592 and 132656.....                                                                                        |
| 132597  | 7413  | Needle Bar Crank (front) with 620C, 1259C and 50200C, for 132615.....                                                                            |
| 132598  | 20805 | Needle Bar Connecting Bracket with 187E and 223F, for 132615.....                                                                                |
| 132599  | 7414  | Tension (looper, left hand) Thread Guide                                                                                                         |
| 132600  | ----- | Frame Top Cover Extension Holder 42102 with 42101, 132650, 132651 and two each 176J and 50253J.....                                              |
| 132601  | 20808 | Cloth Plate Extension (lower) for 132527                                                                                                         |
| 132602  | 20807 | Machine Base Thumb Screw Washer (Accessories).....                                                                                               |
| 132603  | 20827 | Frame Rotary Shaft Flanged Bushing (back) Oil Pad Retainer for 132694 and 132866.....                                                            |
| *132606 | ----- | Looper (right hand) and Spreader Lever 132703 with 132566, 132569, 132629, 132718 and 132720 (For factory use only).....                         |
| 132609  | ----- | Presser Foot Chaining-off Plate for 132681, 132686, 132687, 132708, 132764 and 132768.....                                                       |
| 132610  | 20809 | Presser Foot Chaining-off Plate Collar with 240C, for 132681, 132686, 132687 132708, 132764 and 132768.....                                      |

| No.     | Plate | Name                                                                                                                                       |
|---------|-------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 132611  | 20809 | Presser Foot Chaining-off Plate Collar Guide Pin for 132681, 132686, 132687, 132708, 132764 and 132768.....                                |
| 132615  | ----- | Needle Bar Crank (front) 132597 with 132582, 132598 and two 132583.....                                                                    |
| 132616  | ----- | Frame Rotary Shaft 132549 with 132585 and 132695.....                                                                                      |
| 132617  | ----- | Looper (right hand) and Spreader Lever Connection 132574 with 132553 and 132695, obsolete, use 132779.....                                 |
| 132618  | 7419  | Machine Base Cushion (small) felt, for 474 or 1408, for 132592 and 132656.                                                                 |
| 132619  | ----- | Feed (front) Connecting Rod 132529 with 132534, for 81-56 Machine.....                                                                     |
| 132620  | ----- | Knife (movable) Lever Connection 132563 with 132649.....                                                                                   |
| 132621  | 20805 | Needle Bar Bushing (upper) Oil Pad Cover                                                                                                   |
| 132622  | 20806 | Thread (needle) Eyelet.....                                                                                                                |
| 132623  | 20806 | " " Take-up.....                                                                                                                           |
| *132624 | ----- | Feed (front) Bar 42151 with 61C, 42147, 42148, 42150, 132528, 132539, 132541 and two 1132C, for 81-56 Machine (For factory use only).....  |
| 132627  | ----- | Knife (movable) Holder 42055 with 133F, 42037, 42040, 42214 and two 404E, for 81-56 Machine.....                                           |
| 132629  | 20806 | Thread (looper, left hand) Eyelet for 132606.....                                                                                          |
| 132630  | 20820 | Looper (right hand).....                                                                                                                   |
| 132631  | 20820 | Spreader.....                                                                                                                              |
| 132632  | 20827 | Balance Wheel 1 7/8 in. pulley with 446C and 1285C.....                                                                                    |
| *132639 | ----- | Looper (right hand) and Spreader Lever 132703 with 42242, 132566, 132569, 132718 and 132720, for 81-56 Machine (For factory use only)..... |
| 132643  | ----- | Feed (front) Connecting Rod 132529 with 132644, for 81-53 Machine.....                                                                     |
| 132644  | 20822 | Feed (front) Eccentric (adjustable) complete, for 132643, Nos. 201J, 19047, 51145C, 132531 to 132533 and two 1036C.....                    |
| 132647  | 20808 | Machine Base for 132592.....                                                                                                               |
| 132649  | 20803 | Feed (front) Lifting Eccentric with two 462C, for 132620.....                                                                              |
| 132650  | 7409  | Frame Top Cover Extension for 132600....                                                                                                   |
| 132651  | 7407  | Feed (front) Eccentric Cover for 132600.                                                                                                   |
| 132652  | 20820 | Thread (looper, right hand) Controller..                                                                                                   |

| No.     | Plate | Name                                                                                                                                                                                                                                     |
|---------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 132653  | 20820 | Thread (looper, right hand) Controller Eyelet.....                                                                                                                                                                                       |
| 132654  | 20827 | Chip Guard.....                                                                                                                                                                                                                          |
| 132655  | 20830 | Machine Base for 132656.....                                                                                                                                                                                                             |
| 132656  | ----- | Machine Base complete for 132705, Nos. 132593, 132596, 132618, 132655, three each 1204E, 131022 and four each 935E, 42088 and 132595.....                                                                                                |
| 132664  | 20806 | Thread (looper, right hand) Staple.....                                                                                                                                                                                                  |
| 132665  | 20819 | Feed (back) Bar for 132672.....                                                                                                                                                                                                          |
| 132666  | 20819 | " " " Hinge Pin (hollow) for 132672.....                                                                                                                                                                                                 |
| 132667  | 20819 | Feed (back) Connecting Link for 132672..                                                                                                                                                                                                 |
| 132668  | 20809 | " " Dog, 10 teeth (16 teeth to the inch) for 132688, 132689 and 132709, for Knit Goods, for 1/8 in. to 1/4 in. bight and for Blind Stitching Knit Goods, for 81-53 Machine and for 132709, for Blind Stitch Welting, for 81-56 Machine.. |
| 132669  | 20811 | Feed (back) Dog, 14 teeth (22 teeth to the inch) for 132690 and 132723, for Rayon, for 3/32 in. to 5/32 in. bight and also for Blind Stitching Rayon, for 81-53 Machine.....                                                             |
| 132670  | 20819 | Feed (back) Regulator for 132672.....                                                                                                                                                                                                    |
| 132671  | 20819 | " (front) Bar with 1253C, for 132672.                                                                                                                                                                                                    |
| *132672 | ----- | " " " 132671 with 1132C, 51360W, 132528, 132539, 132665 to 132667, 132670 and 132676, for 81-53 Machine (For factory use only).....                                                                                                      |
| 132673  | 20809 | Feed (front) Dog, 11 teeth (16 teeth to the inch) for 132688 and 132689, for Knit Goods, for 1/8 in. to 1/4 in. bight, for 81-53 Machine.....                                                                                            |
| 132674  | 20811 | Feed (front) Dog, 15 teeth (22 teeth to the inch) for 132690, for Rayon, for 3/32 in. to 5/32 in. bight for 81-53 Machine.....                                                                                                           |
| 132675  | 20819 | Feed (front) Rock Shaft for 132676.....                                                                                                                                                                                                  |
| 132676  | ----- | Feed (front) Rock Shaft complete, for 132672, Nos. 42021 and 132675.....                                                                                                                                                                 |
| 132679  | ----- | Presser Foot Body with 735C, for 132681 and 132768.....                                                                                                                                                                                  |
| 132680  | 20809 | Presser Foot Chaining-off Finger for 132681 and 132686.....                                                                                                                                                                              |

| No.     | Plate | Name                                                                                                                                                                     |
|---------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 132681  | 20309 | Presser Foot (solid) complete, for Knit Goods, for 1/8 in. to 1/4 in. bight, for 81-53 Machine, Nos. 233J, 14058, 132609 to 132611, 132679 and 132680.                   |
| 132682  | 20811 | Presser Foot Chaining-off Finger for 132687, 132708, 132764 and 132768....                                                                                               |
| 132683  | ----- | Presser Foot Plate for 132686 and 132687                                                                                                                                 |
| 132685  | ----- | " " Shank with 735C, for 132686 132687 and 132708.....                                                                                                                   |
| 132686  | 20809 | Presser Foot (hinged) complete for Knit Goods, for 1/8 in. to 1/4 in. bight for 81-53 Machine, Nos. 233J, 14058, 42461, 132609 to 132611, 132680, 132683 and 132685..... |
| 132687  | 20811 | Presser Foot (hinged) complete, for Rayon, for 3/32 in. to 5/32 in. bight, for 81-53 Machine, Nos. 233J, 14058, 42461, 132609 to 132611, 132682, 132683 and 132685.....  |
| 132688  | 20809 | Throat Plate for 1/8 in. to 3/16 in. bight, for 132668 and 132673, for Knit Goods, for 81-53 Machine.....                                                                |
| 132689  | 20810 | Throat Plate for 3/16 in. to 1/4 in. bight for 132668 and 132673, for Knit Goods, for 81-53 Machine.....                                                                 |
| 132690  | 20811 | Throat Plate for 3/32 in. to 5/32 in. bight, for 132669 and 132674, for Rayon, for 81-53 Machine.....                                                                    |
| *132692 | 20827 | Frame Rotary Shaft Oil Sling Cover for 132694 and 132866.....                                                                                                            |
| 132694  | 20802 | Frame Rotary Shaft Flanged Bushing (back) 132554 with 132555, 132556, 132603 and 132692, obsolete, use 132866.....                                                       |
| 132695  | 20805 | Looper (right hand) and Spreader Lever Ball Stud 132573 with 132696, for 132617, obsolete.....                                                                           |
| 132695  | 20805 | Needle Bar Crank (back) Ball Stud 132573 with 132696, for 132616.....                                                                                                    |
| 132696  | 20805 | Looper (right hand) and Spreader Lever Ball Stud Oil Pad (felt) for 132695 obsolete.....                                                                                 |
| 132696  | 20805 | Needle Bar Crank (back) Ball Stud Oil Pad (felt) for 132695.....                                                                                                         |
| 132697  | ----- | Machine Base Oil Drain Jar (swinging type) complete, for 132705, Nos. 131185, 131191, 131217, 131265 and two each 1247C, 131266 and 131267.....                          |



| No.     | Plate | Name                                                                                                                                                                                                                    |
|---------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 132698  | 20820 | Looper (right hand) and Spreader Lever with 233E, 241E and 50200C, for 132703.....                                                                                                                                      |
| 132699  | 20805 | Looper (right hand) and Spreader Lever Hinge Pin with 125056, for 132703..                                                                                                                                              |
| 132701  | 20821 | Frame Side Cover (left) Handle for 132560.....                                                                                                                                                                          |
| *132702 | ----- | Feed (front) Eccentric Body for 132534..                                                                                                                                                                                |
| 132703  | ----- | Looper (right hand) and Spreader Lever 132698 with 132699, for 132606 and 132639.....                                                                                                                                   |
| 132704  | ----- | Machine Base and Oil Drain Jar complete, for Machine Base No. 132592, when Machine is mounted on top of table, for use with Bench Stand No. 79768, Nos. 131268 and 132592.....                                          |
| 132705  | ----- | Machine Base and Oil Drain Jar complete, for Machine Base No. 132656, when Machine is mounted 1 1/2 inch lower than standard, for use with Bench Stand No. 79790, Nos. 132656 and 132697.....                           |
| 132706  | 20814 | Feed Front Dog, 11 teeth (16 teeth to the inch) for 132709, for Blind Stitching, for Knit Goods, for 81-53 Machine and for 132709, for Blind Stitch Welting, for 81-56 Machine.....                                     |
| 132707  | ----- | Presser Foot Plate for 132708.....                                                                                                                                                                                      |
| 132708  | 20814 | Presser Foot (hinged) complete, for Blind Stitching, for Knit Goods and Rayon, for 81-53 Machine and for Blind Stitch Welting, for 81-56 Machine, Nos. 233J, 14058, 42461, 132609 to 132611, 132682, 132685 and 132707. |
| 132709  | 20814 | Throat Plate for 132668 and 132706, for Blind Stitching, for Knit Goods, for 81-53 Machine and for Blind Stitch Welting, for 81-56 Machine..                                                                            |
| 132710  | 20825 | Welt Guide Holder for 132758.....                                                                                                                                                                                       |
| 132712  | 20822 | Feed (front) Eccentric Lint Cover (spring).....                                                                                                                                                                         |
| *132713 | ----- | Frame Rotary Shaft Bushing (front) for 132714, obsolete, use 132862.....                                                                                                                                                |
| 132714  | 20802 | Frame Rotary Shaft Bushing (front) 132713 with 132552, 132715 and 132716, obsolete, use 132863.....                                                                                                                     |

| No.     | Plate | Name                                                                                                                                                                                                                                                       |
|---------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 132715  | 20817 | Frame Rotary Shaft Bushing (front) Oil Pad Retainer for 132714 and 132863.                                                                                                                                                                                 |
| 132716  | 20802 | Frame Rotary Shaft Crank Oil Sling Cover for 132714, obsolete, superseded by 132835, not interchangeable.....                                                                                                                                              |
| *132717 | ----- | Looper (left hand) Lever Connecting Stud for 132718.....                                                                                                                                                                                                   |
| 132718  | 20822 | Looper (left hand) Lever Connecting Stud 132717 with 68497, 132719 and 132721 for 132606 and 132639.....                                                                                                                                                   |
| 132719  | 20822 | Looper (left hand) Lever Connecting Stud Cap for 132718.....                                                                                                                                                                                               |
| 132720  | 20822 | Looper (left hand) Lever Connecting Stud Hinge Pin for 132606 and 132639....                                                                                                                                                                               |
| 132721  | 20822 | Looper (left hand) Lever Connecting Stud Oil Pad Retainer for 132718.....                                                                                                                                                                                  |
| 132722  | 20815 | Feed (front) Dog, 16 teeth (22 teeth to the inch) for 132723, for Blind Stitching, for Rayon, for 81-53 Machine.....                                                                                                                                       |
| 132723  | 20815 | Throat Plate for 132669 and 132722, for Blind Stitching, for Rayon, for 81-53 Machine.....                                                                                                                                                                 |
| *132758 | ----- | Welt Guide Holder 132710 with 190J, 1117J 1209C and 22436, for 81-56 Machine (For factory use only).....                                                                                                                                                   |
| 132761  | 20812 | Feed (back) Dog, 7 teeth (12 teeth to the inch) for 132765, for Stitching Collars to Bodies of Heavy Sweaters for 3/16 in. to 1/4 in. bight and for Knit Goods with Elastic Tape inserted in the seam, for 1/8 in. to 3/16 in. bight, for 81-53 Machine..  |
| 132762  | 20812 | Feed (front) Dog, 8 teeth (12 teeth to the inch) for 132765, for Stitching Collars to Bodies of Heavy Sweaters for 3/16 in. to 1/4 in. bight and for Knit Goods with Elastic Tape inserted in the seam, for 1/8 in. to 3/16 in. bight, for 81-53 Machine.. |
| 132763  | ----- | Presser Foot Body with 735C, for 132764.                                                                                                                                                                                                                   |
| 132764  | 20812 | Presser Foot (solid) complete, for Stitching Collars to Bodies of Heavy Sweaters, for 3/16 in. to 1/4 in. bight, for 81-53 Machine, Nos. 233J, 14058, 132609 to 132611, 132682 and 132763.....                                                             |

| No.    | Plate | Name                                                                                                                                                                                                                                  |
|--------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 132765 | 20812 | Throat Plate for 132761 and 132762, for Stitching Collars to Bodies of Heavy Sweaters, for 3/16 in. to 1/4 in. bight and for Knit Goods with Elastic Tape inserted in the seam, for 1/8 in. to 3/16 in. bight, for 81-53 Machine..... |
| 132766 | 20804 | Knife (stationary) Holder for 81-56 Machine.....                                                                                                                                                                                      |
| 132767 | 20818 | Knife (stationary) Holder for 81-53 Machine.....                                                                                                                                                                                      |
| 132768 | 20813 | Presser Foot (solid) complete, for Knit Goods with Elastic Tape inserted in the seam, for 1/8 in. to 3/16 in. bight, for 81-53 Machine, Nos. 233J 14058, 132609 to 132611, 132679 and 132682.....                                     |
| 132769 | 20817 | Frame Rotary Shaft Crank with 1036C, 1375C and 132773, for 132775.....                                                                                                                                                                |
| 132770 | 20817 | Frame Rotary Shaft Crank Ball Sleeve for 132775.....                                                                                                                                                                                  |
| 132771 | 20817 | Frame Rotary Shaft Crank Ball Sleeve Bushing for 132775.....                                                                                                                                                                          |
| 132772 | 20817 | Frame Rotary Shaft Crank Ball Sleeve Bushing Nut Washer for 132775.....                                                                                                                                                               |
| 132773 | ----- | Frame Rotary Shaft Crank Ball Sleeve Bushing Position Pin for 132769....                                                                                                                                                              |
| 132774 | 20817 | Frame Rotary Shaft Crank Ball Sleeve Guide for 132779.....                                                                                                                                                                            |
| 132775 | ----- | Frame Rotary Shaft Crank complete, for 132779, Nos. 1664E and 132769 to 132772.....                                                                                                                                                   |
| 132777 | 20817 | Looper (right hand) and Spreader Lever Connection with four 896E, for 132779.....                                                                                                                                                     |
| 132779 | ----- | Looper (right hand) and Spreader Lever Connection 132777 with 132774, 132775 and 132802.....                                                                                                                                          |
| 132780 | 20808 | Frame Top Cover for 132781.....                                                                                                                                                                                                       |
| 132781 | ----- | " " " 132780 with 132782 to 132784 and two 197J.....                                                                                                                                                                                  |
| 132782 | 20821 | Frame Top Cover Oil Reservoir Cover for 132781.....                                                                                                                                                                                   |
| 132783 | 20821 | Frame Top Cover Oil Tube for 132781....                                                                                                                                                                                               |
| 132784 | 20821 | " " " " Wick for 132781....                                                                                                                                                                                                           |
| 132785 | 20803 | Feed (front) Eccentric Lubricator with 132537.....                                                                                                                                                                                    |
| 132802 | 20817 | Looper (right hand) and Spreader Lever Ball Stud for 132779.....                                                                                                                                                                      |

| No.     | Plate | Name                                                                                                                                                                               |
|---------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 132816  | 20823 | Feed (front) Rock Shaft Hinge Pin Bushing Oil Wick (wick).....                                                                                                                     |
| 132816  | 20823 | Looper (left hand) Lever Hinge Stud Oil Wick (wick).....                                                                                                                           |
| 132816  | 20823 | Looper (right hand) and Spreader Lever Hinge Pin Bushing Oil Wick (wick)..                                                                                                         |
| 132817  | 20823 | Frame Rotary Shaft Bushing (front) Oil Wick (wick).....                                                                                                                            |
| 132817  | 20823 | Frame Rotary Shaft Flanged Bushing (back) Oil Wick (wick).....                                                                                                                     |
| 132835  | 20817 | Frame Rotary Shaft Crank Oil Sling Cover for 132863.....                                                                                                                           |
| *132862 | ----- | Frame Rotary Shaft Bushing (front) for 132863.....                                                                                                                                 |
| 132863  | 20817 | Frame Rotary Shaft Bushing (front) 132862 with 132835, 132864 and two 132715.....                                                                                                  |
| 132864  | 20823 | Frame Rotary Shaft Bushing (front) Oil Pad (braided cotton) for 132863....                                                                                                         |
| *132865 | ----- | Frame Rotary Shaft Flanged Bushing (back) for 132866.....                                                                                                                          |
| 132866  | 20827 | Frame Rotary Shaft Flanged Bushing (back) 132865 with 132692, 132867, 132868 and two 132603.....                                                                                   |
| 132867  | 20823 | Frame Rotary Shaft Flanged Bushing (back) Oil Pad (large) braided cotton, for 132866.....                                                                                          |
| 132868  | 20823 | Frame Rotary Shaft Flanged Bushing (back) Oil Pad (small) braided cotton, for 132866.....                                                                                          |
| 132869  | ----- | Welt Guide Spring 42478 with 42475 and two 42477, for 42188.....                                                                                                                   |
| *150057 | ----- | Thread Unwinder Thread Separator, for 150058.....                                                                                                                                  |
| 150058  | 20778 | Thread Unwinder Thread Separator 150057 with 150059, for 150061.....                                                                                                               |
| *150059 | ----- | Thread Unwinder Thread Separator Bracket for 150058.....                                                                                                                           |
| 150060  | 20778 | Thread Unwinder Thread Separator Bracket Arm with 164J and 9525, for 150061.                                                                                                       |
| 150061  | ----- | Thread Unwinder Thread Separator complete, for 150178, Nos. 164J, 9525, 150058 and 150060.....                                                                                     |
| 150178  | 20778 | Thread Unwinder complete, for three spools, Nos. 150061, 201696J, 202490, 225257, 225259, 225324, 225326, 225388 and three each 150203, 225391 and wood screws 7/8 in. No. 12..... |

| No.     | Plate | Name                                                                                                                 |
|---------|-------|----------------------------------------------------------------------------------------------------------------------|
| 150203  | 20778 | Thread Unwinder Spool Rest Cushion (felt) for 150178.....                                                            |
| 150209  | ----- | Knife Grinder Knife Holder 41330 with 970D,41331,41332 and two each 313C, 771D,1519J,41333 and 41334, for 41335..... |
| 150210  | ----- | Knife Grinder Knife Holder 41813 with 970D,41331,41332 and two each 313C, 771D,1519J,41333 and 41334, for 41819..... |
| 150244  | 20826 | Bench Stand Cover Chain Hook Screw Eye for 79790.....                                                                |
| 200383C | 20807 | Thread Unwinder Spool Rest Rod Set Screw for 202490.....                                                             |
| 201018C | 20907 | Thread Unwinder Spool Rest Set Screw for 225257 and 225259.....                                                      |
| 201696J | 20807 | Thread Unwinder Thread Guide Lock Nut for 150178.....                                                                |
| 202490  | 20778 | Thread Unwinder Spool Stand with 200383C for 150178.....                                                             |
| 225257  | 20778 | Thread Unwinder Spool Rest (for two spools) with 201018C, for 150178....                                             |
| 225259  | 20778 | Thread Unwinder Spool Rest (for one spool) with 201018C, for 150178....                                              |
| 225322  | 20307 | Thread Unwinder Thread Guide Rod Washer for 225324.....                                                              |
| 225324  | 20778 | Thread Unwinder Thread Guide Rod with 203E and 225322, for 150178.....                                               |
| 225326  | 20907 | Thread Unwinder Thread Guide Position Cup for 150178.....                                                            |
| 225383  | 20778 | Thread Unwinder Spool Rest Rod for 150178.....                                                                       |
| 225390  | 20778 | Thread Unwinder Thread Cone Holder for inverted cones, for 150178.....                                               |
| 225391  | 20778 | Thread Unwinder Thread Guide for 150178.                                                                             |

## PLATE 5566—ONE-HALF SIZE

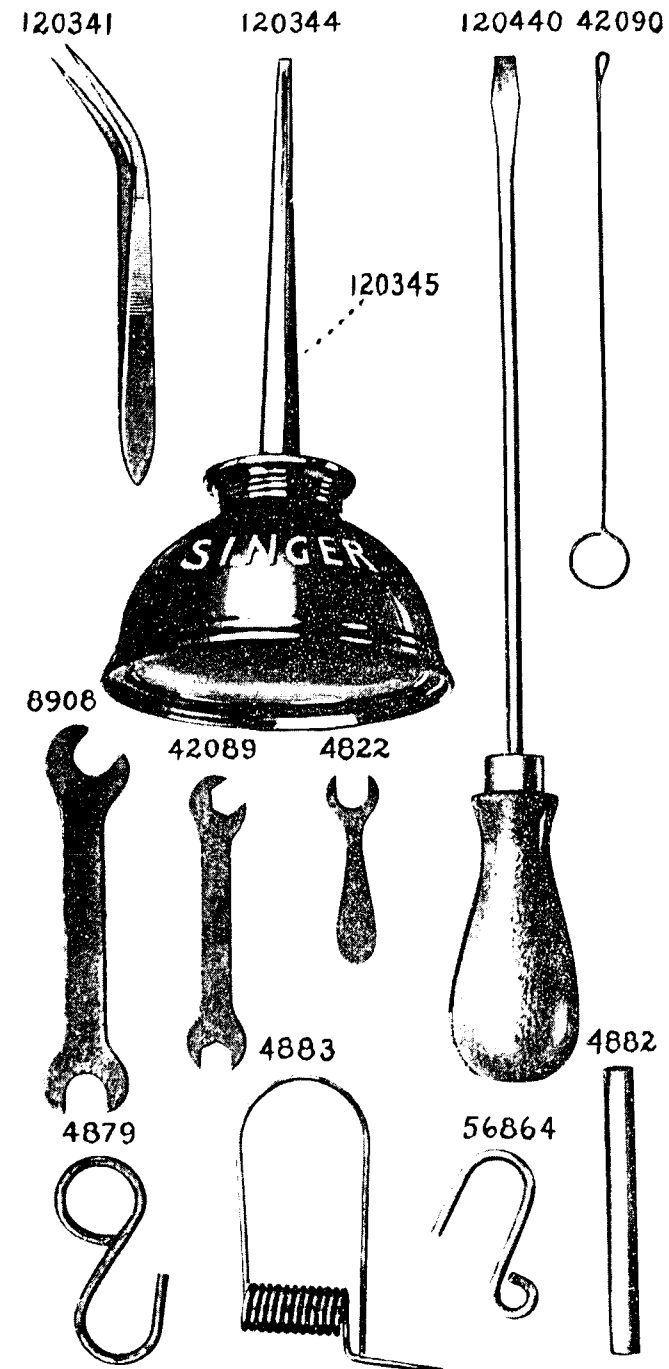


PLATE 5569—FULL SIZE

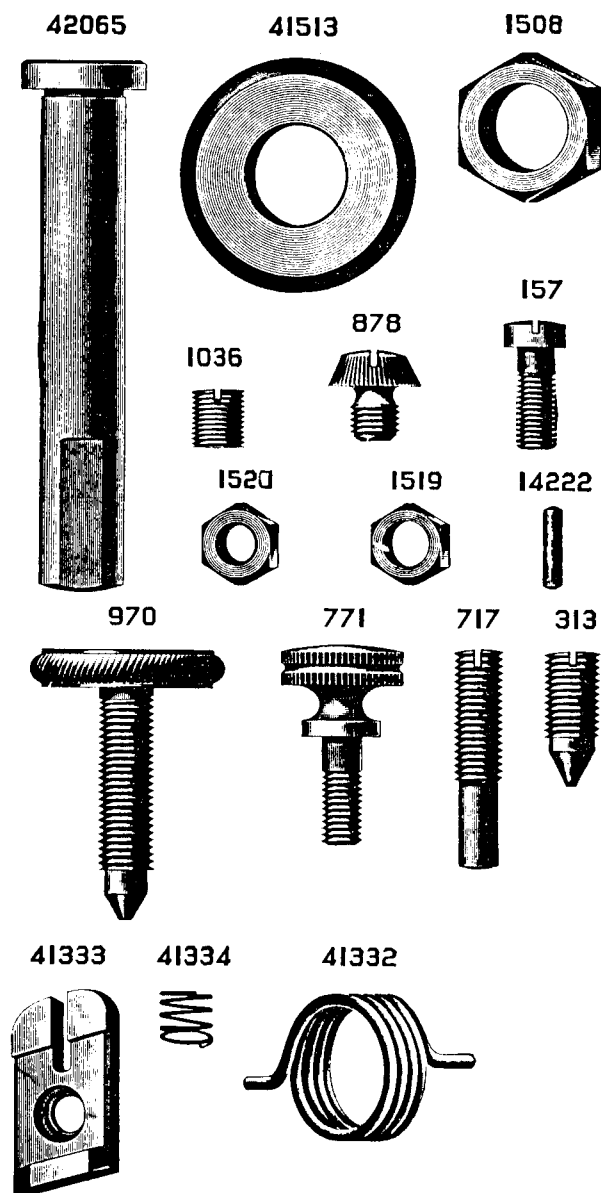
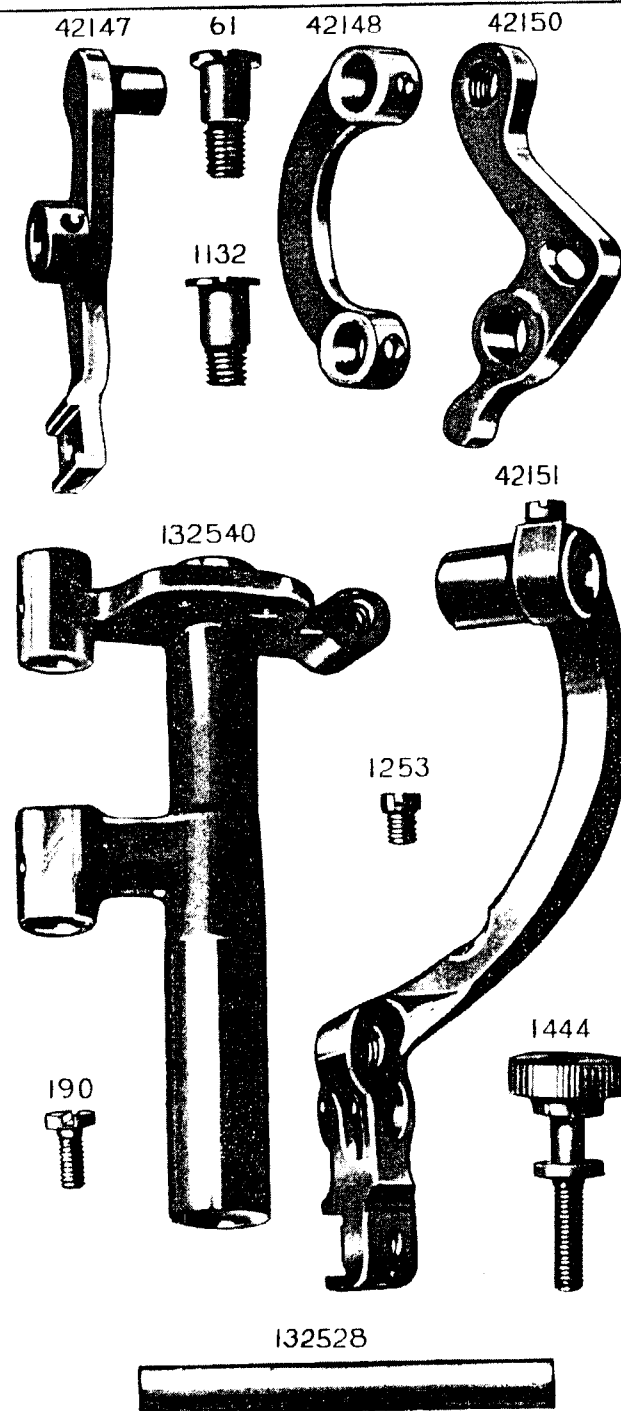
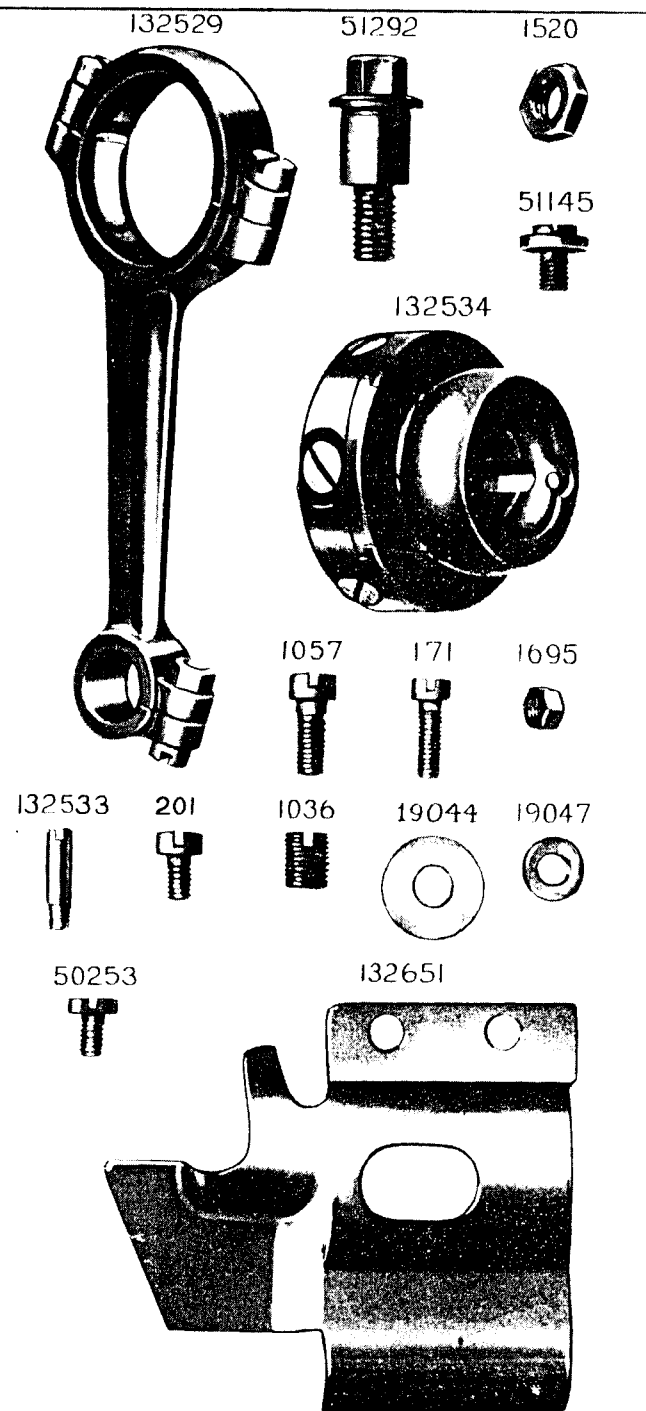


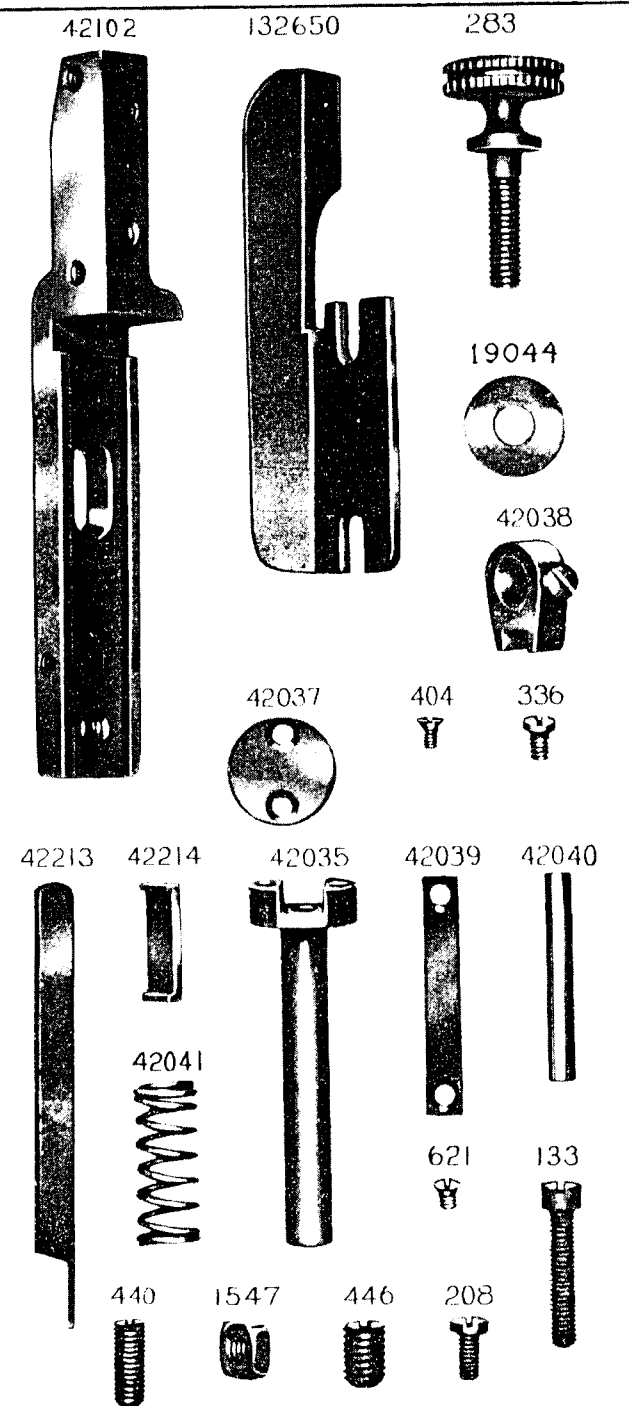
PLATE 7406—FULL SIZE



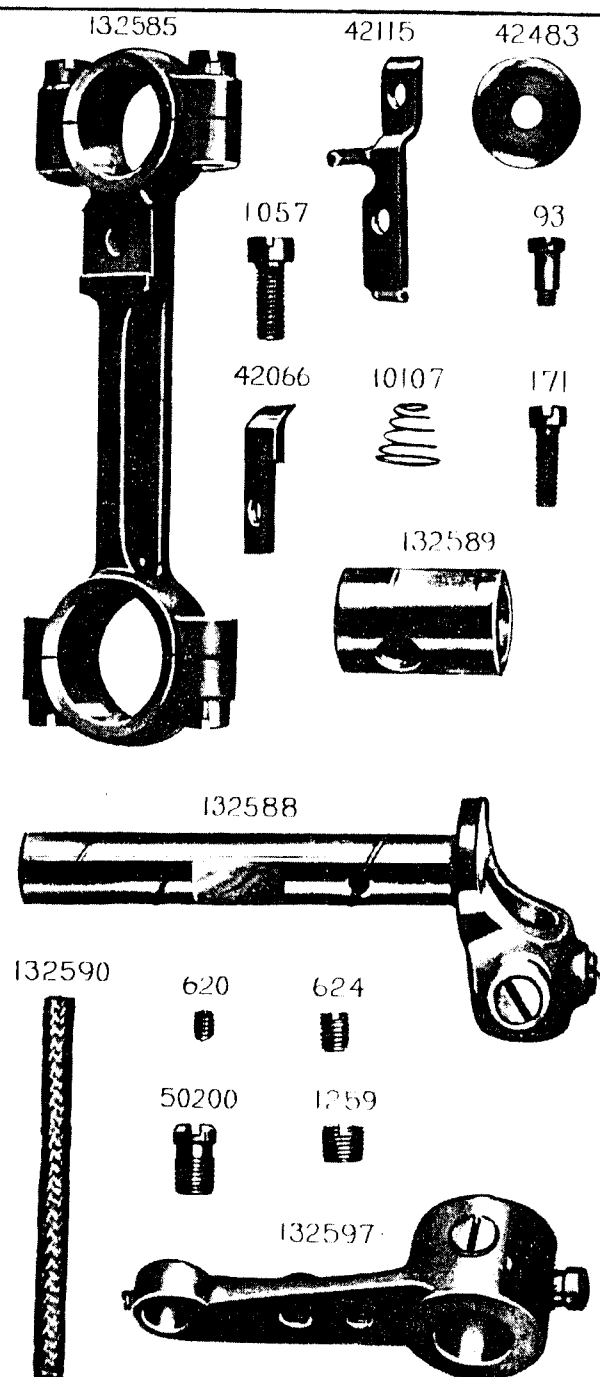
# PLATE 7407—FULL SIZE



# PLATE 7409—FULL SIZE



# PLATE 7413—FULL SIZE



# PLATE 7414—FULL SIZE

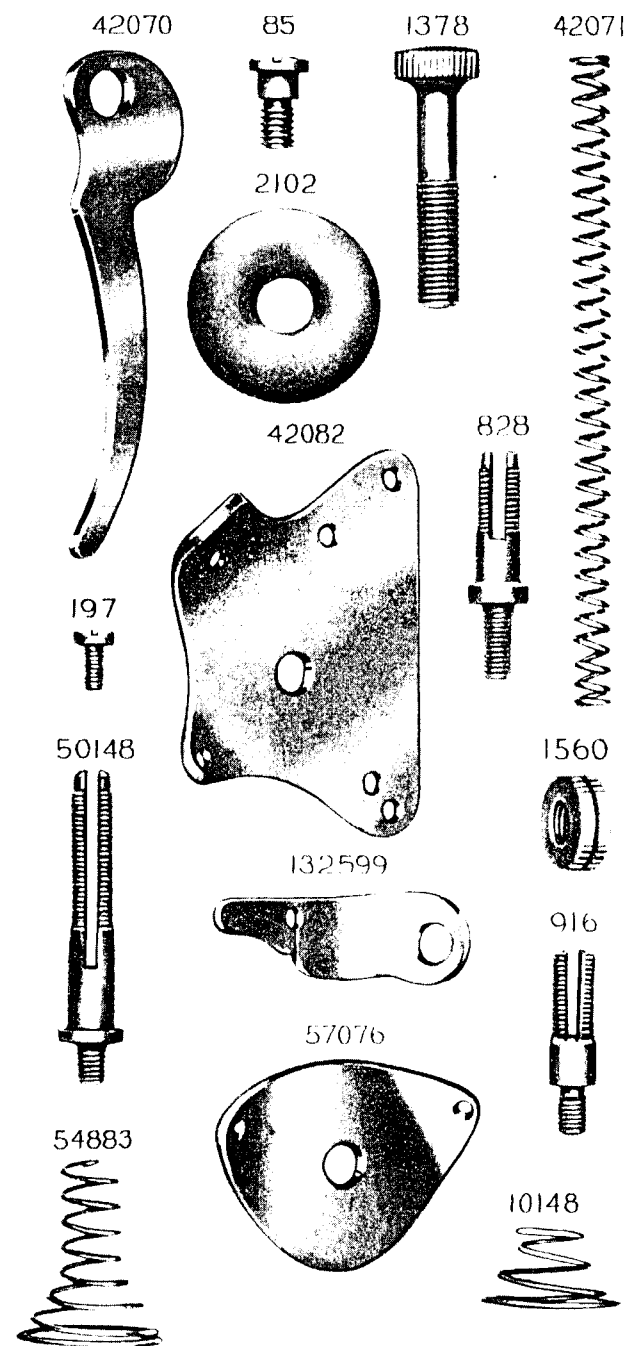


PLATE 7419—FULL SIZE

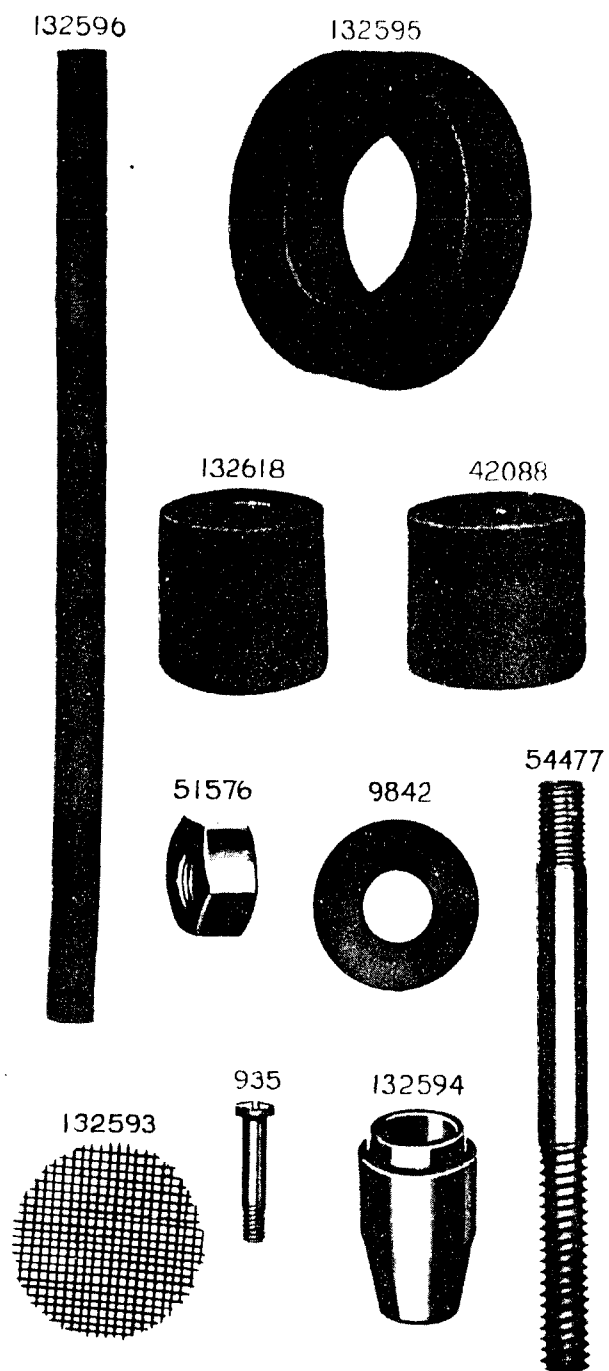


PLATE 20778—ONE-SIXTH SIZE

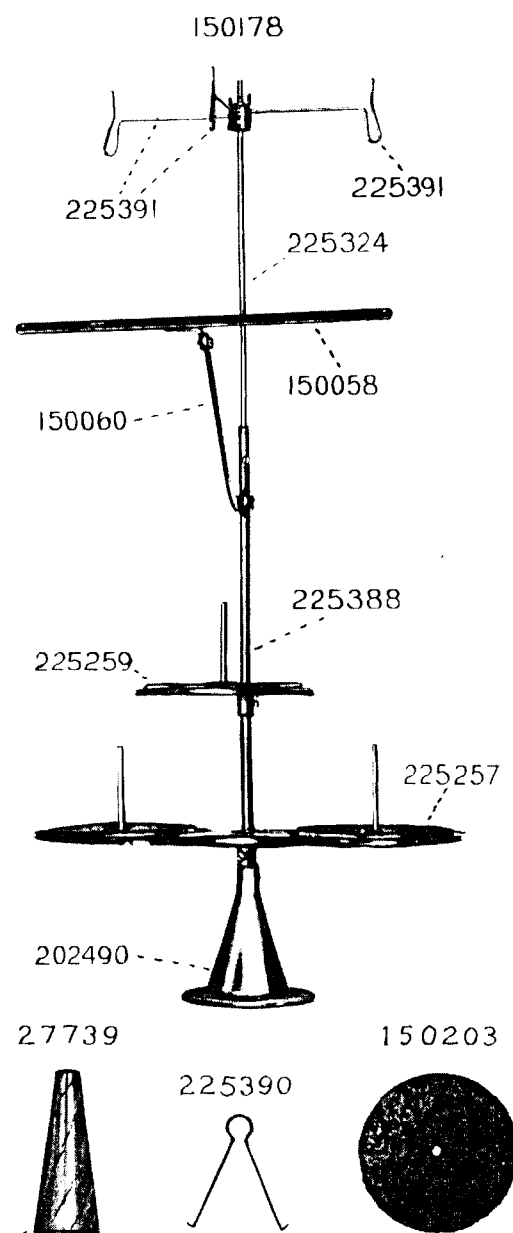
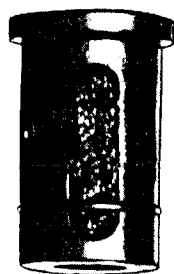


PLATE 20802-FULL SIZE

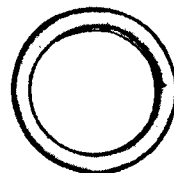
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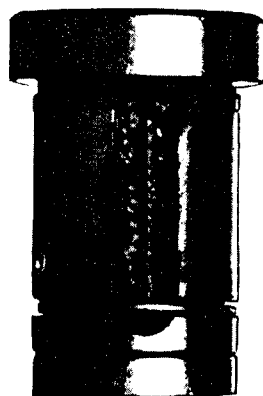
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132716



132694



132555



PLATE 20803-FULL SIZE

132542



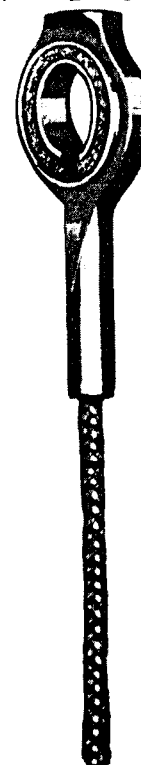
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132537



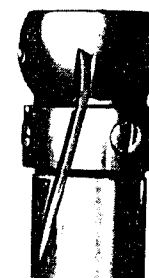
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132539



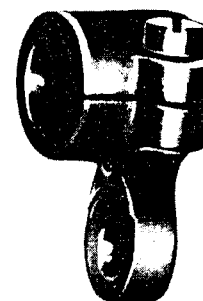
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462



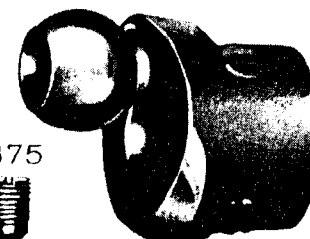
42021



157



132553



132543



1036

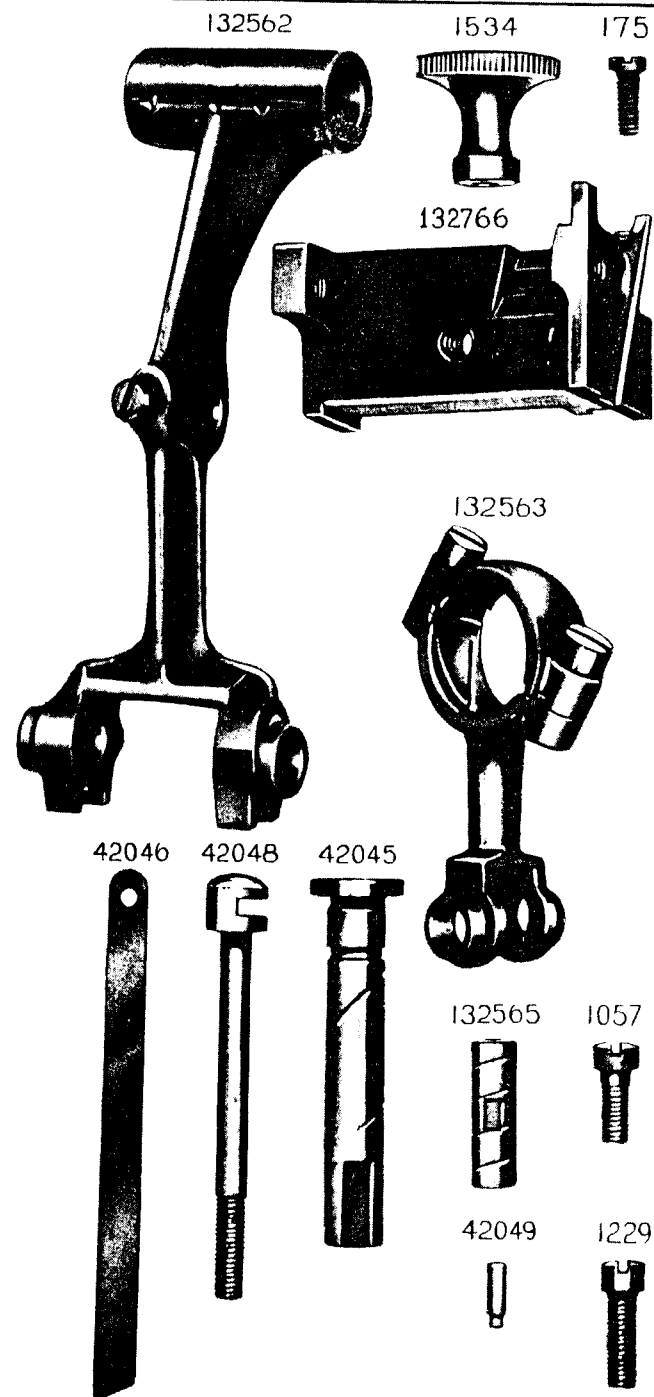


1375





# PLATE 20804-FULL SIZE



# PLATE 20805-FULL SIZE

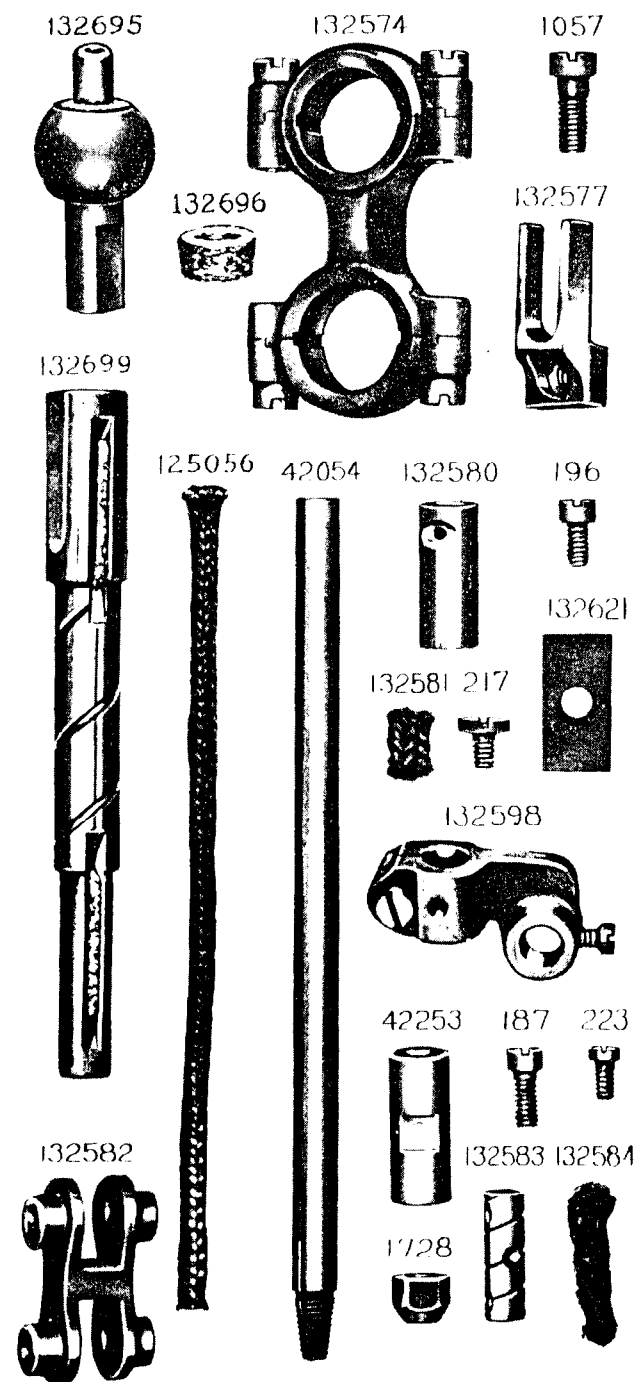


PLATE 20806-FULL SIZE

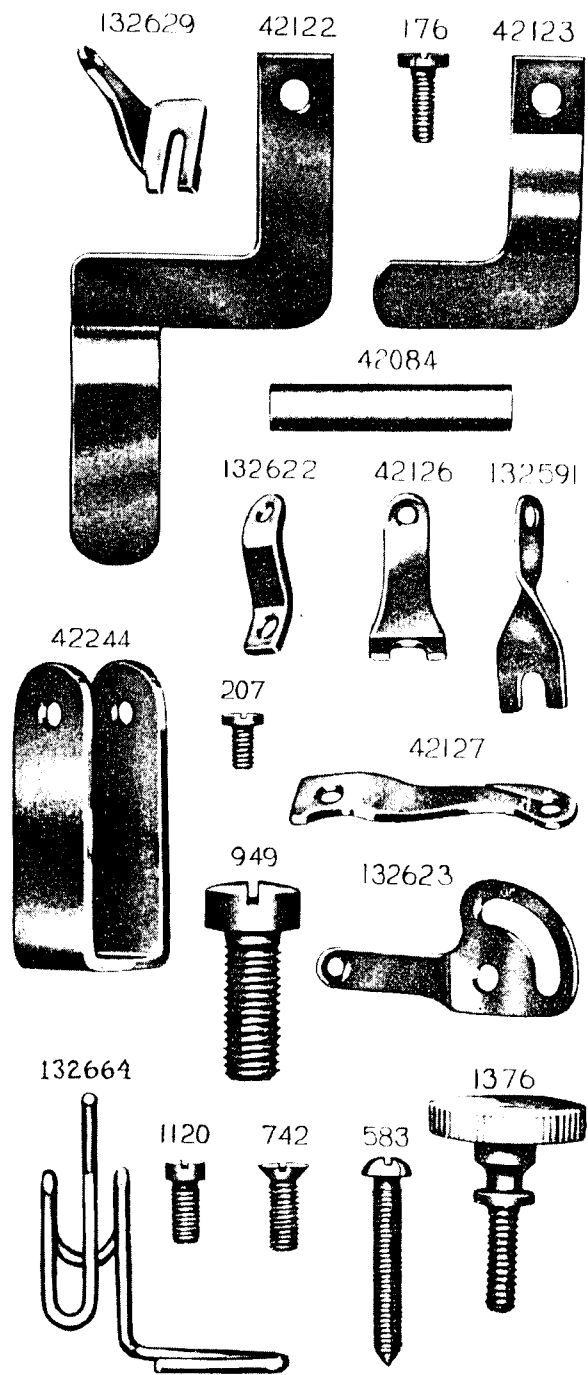


PLATE 20807-FULL SIZE

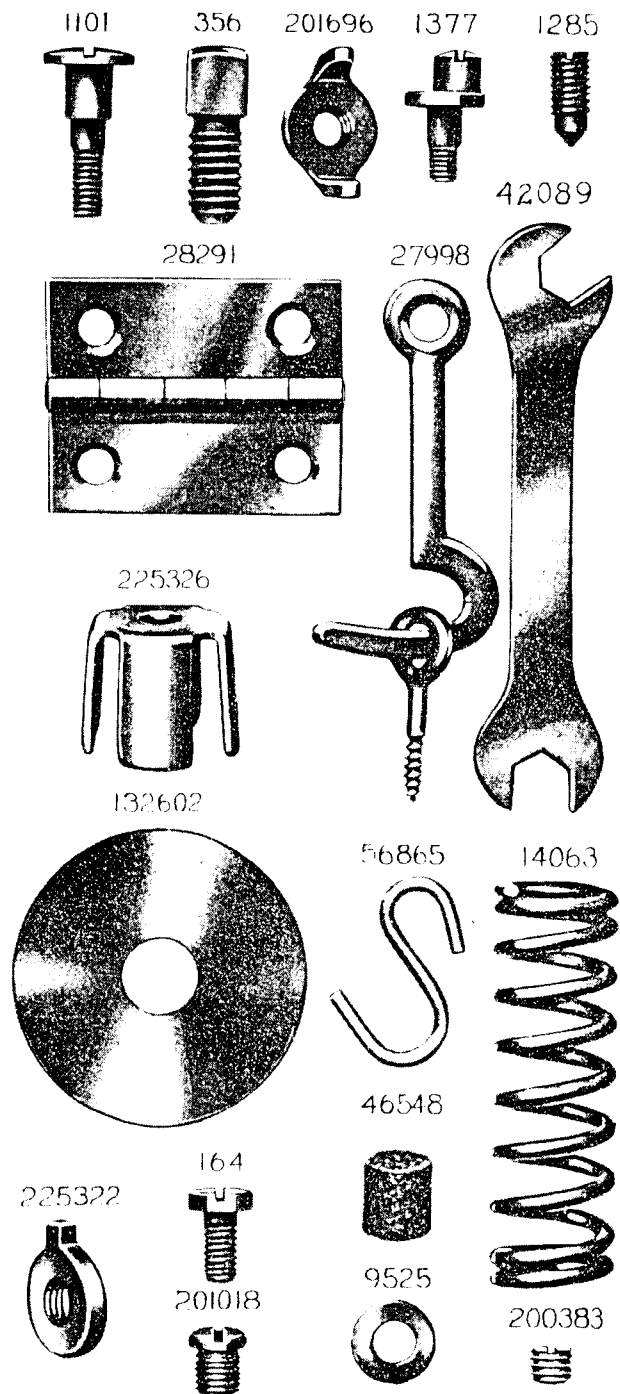


PLATE 20808-ONE-FOURTH SIZE

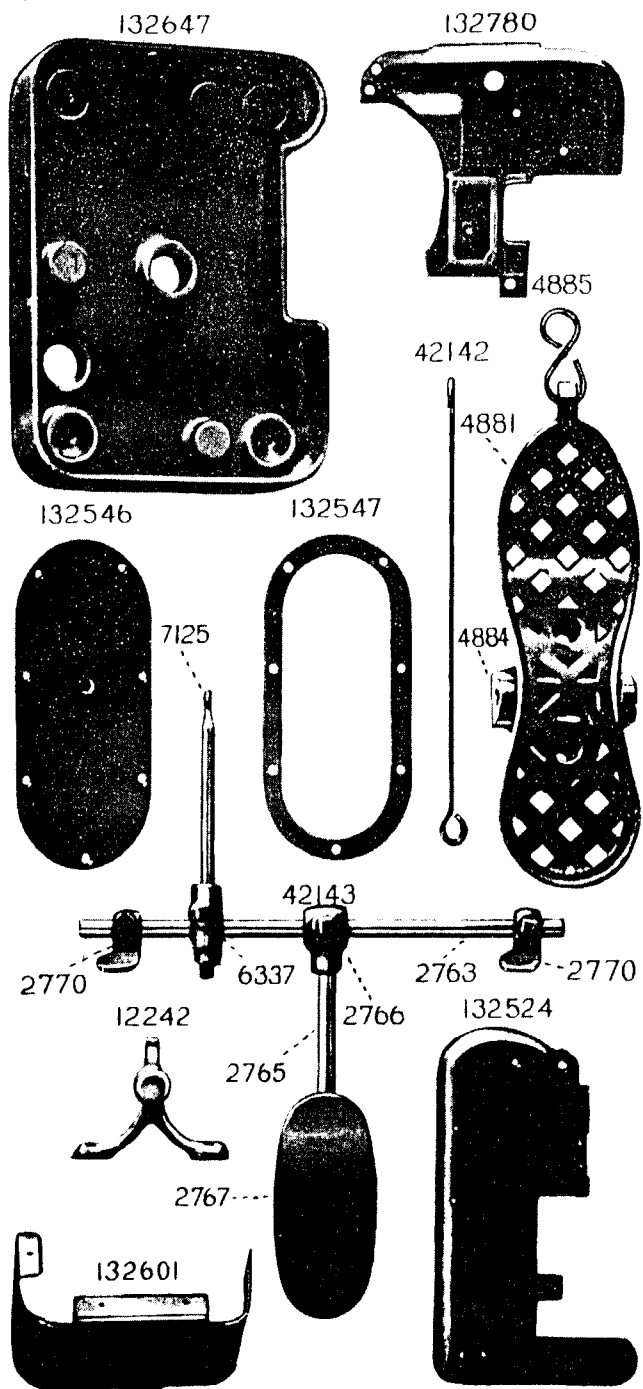


PLATE 20809-FULL SIZE

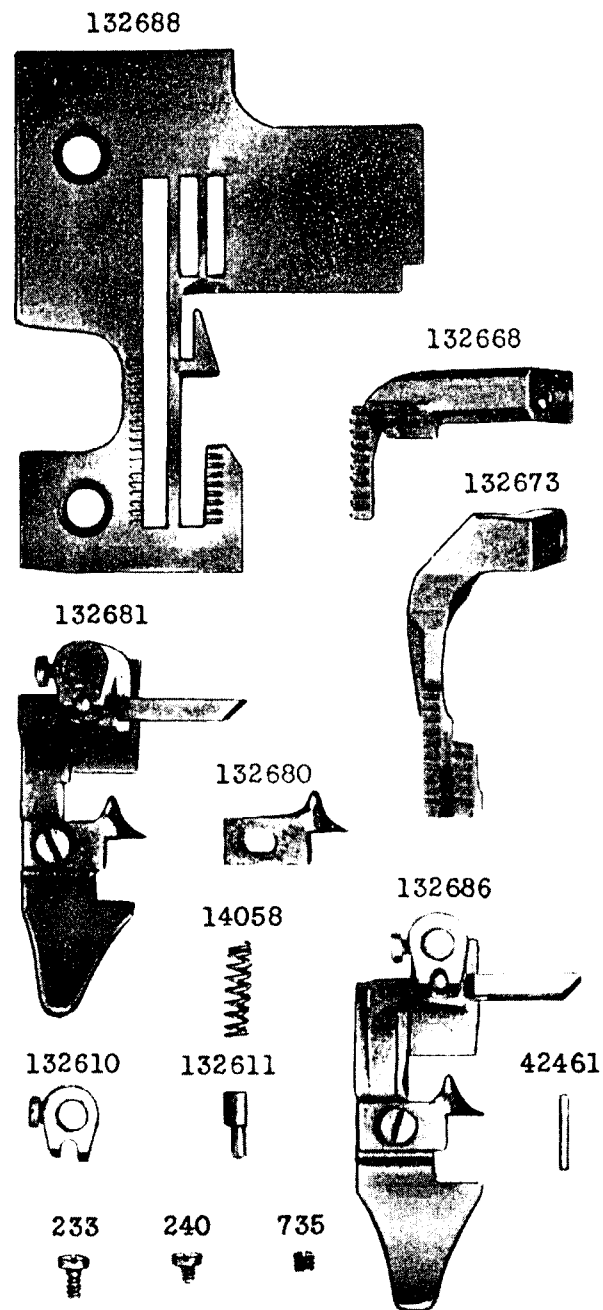
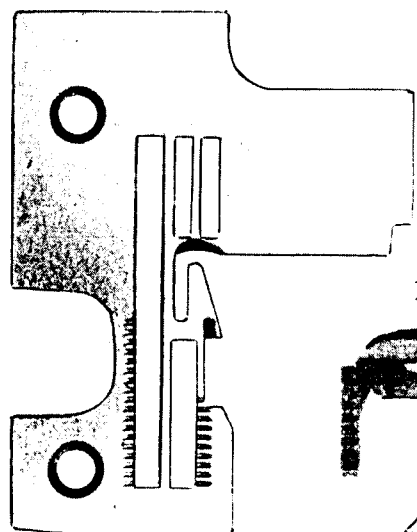
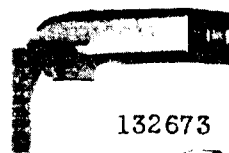


PLATE 20810-FULL SIZE

132689



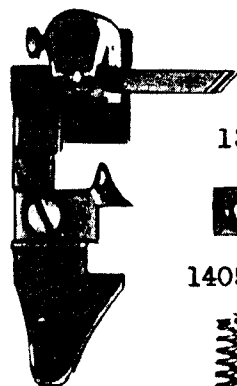
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132673



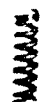
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132680



14058



132610



132611



233



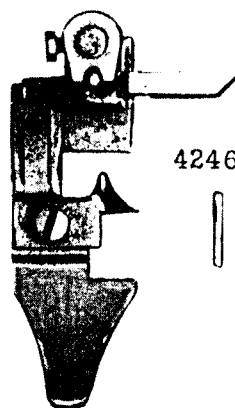
240



735



132686

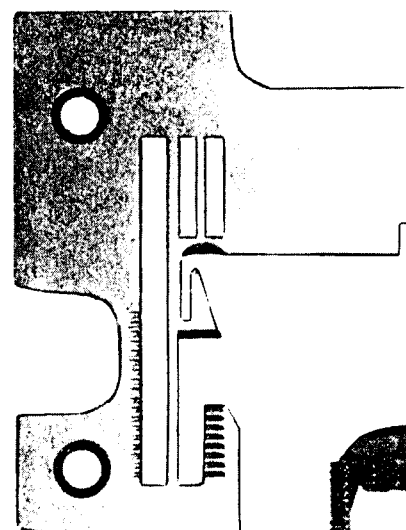


42461

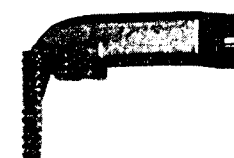


PLATE 20811-FULL SIZE

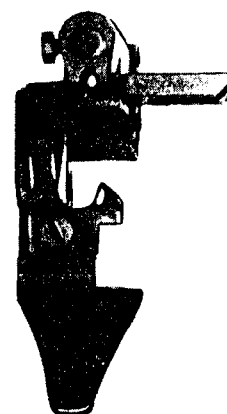
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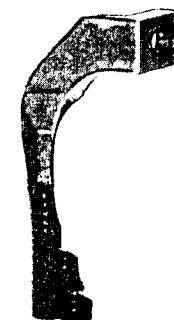
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132687



132674

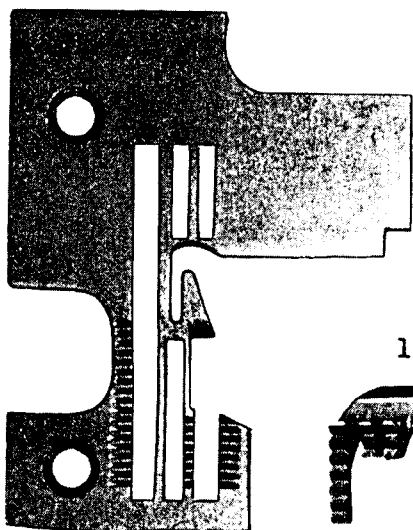


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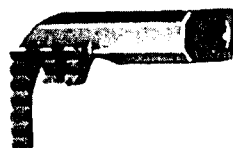


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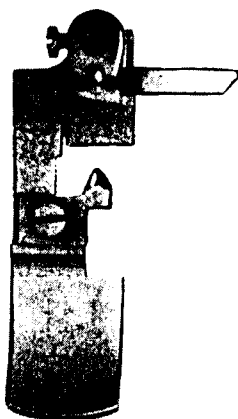
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132761



132764



132762

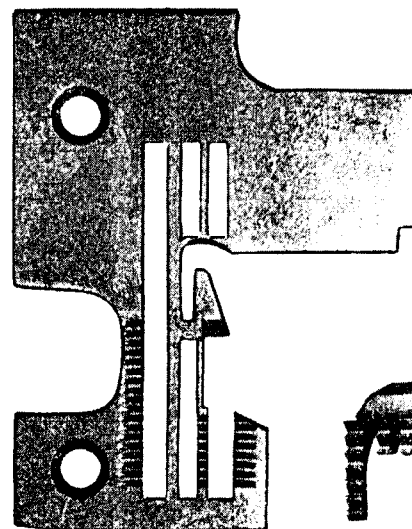


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PLATE 20813-FULL SIZE

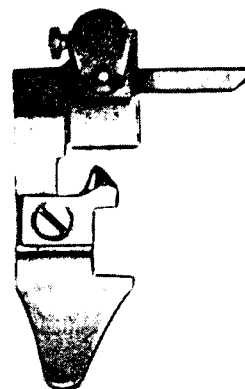
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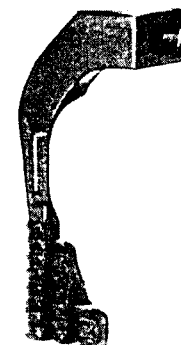
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132768



132762

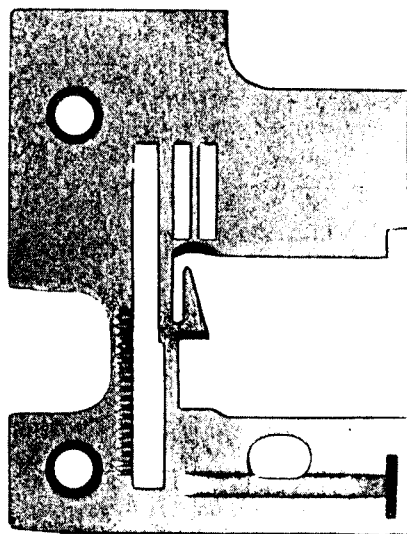


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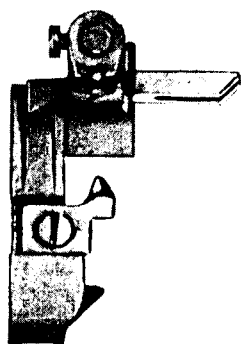


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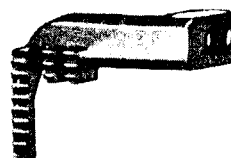
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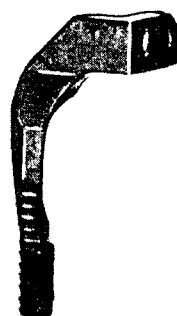
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132668



132706

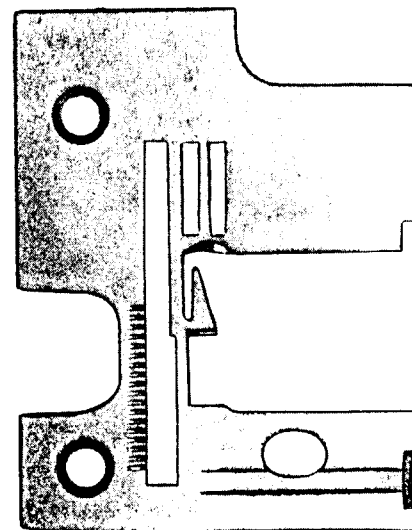


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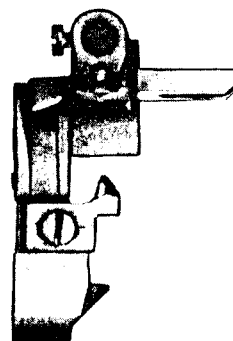


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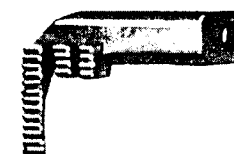
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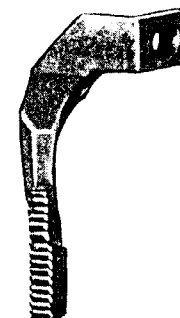
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132669



132722

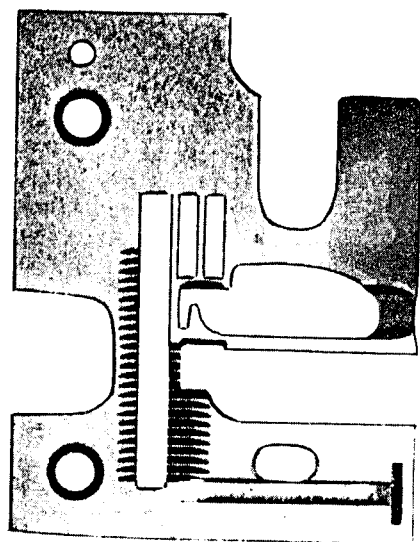


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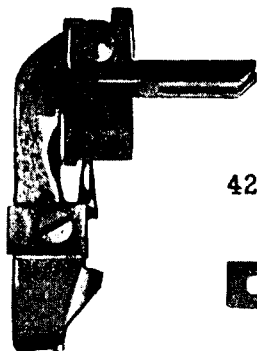


# PLATE 20816-FULL SIZE

42452



42185



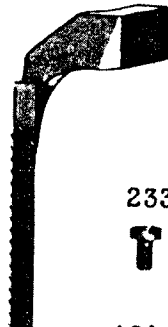
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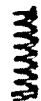
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42182



14058



9320



42160



233

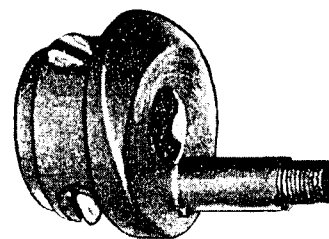


464



# PLATE 20817-FULL SIZE

132769



1036



1375



132774



1664



132770



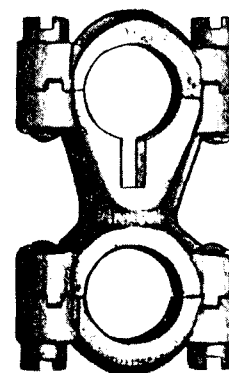
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132772



132777



132802



896



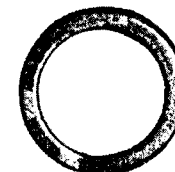
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132715



132835



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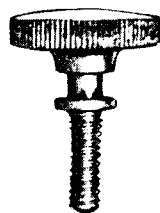
42305 42307 42040 42041



42309



1376



133



42039



42038



336



621



42306



1534



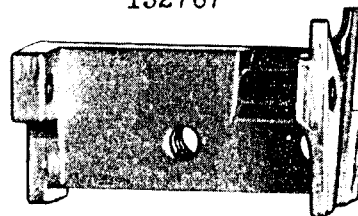
1101



42049



132767



42041



42310



440



1547



# PLATE 20819-FULL SIZE

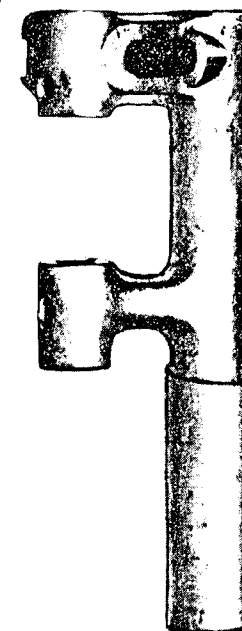
132665 132667 132666 1132



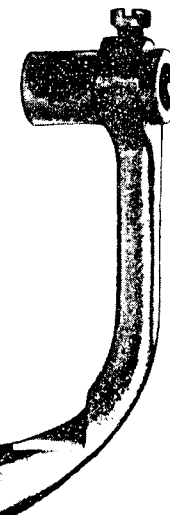
51360



132675



132671



132670

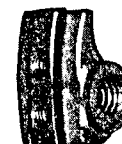




PLATE 20820-FULL SIZE

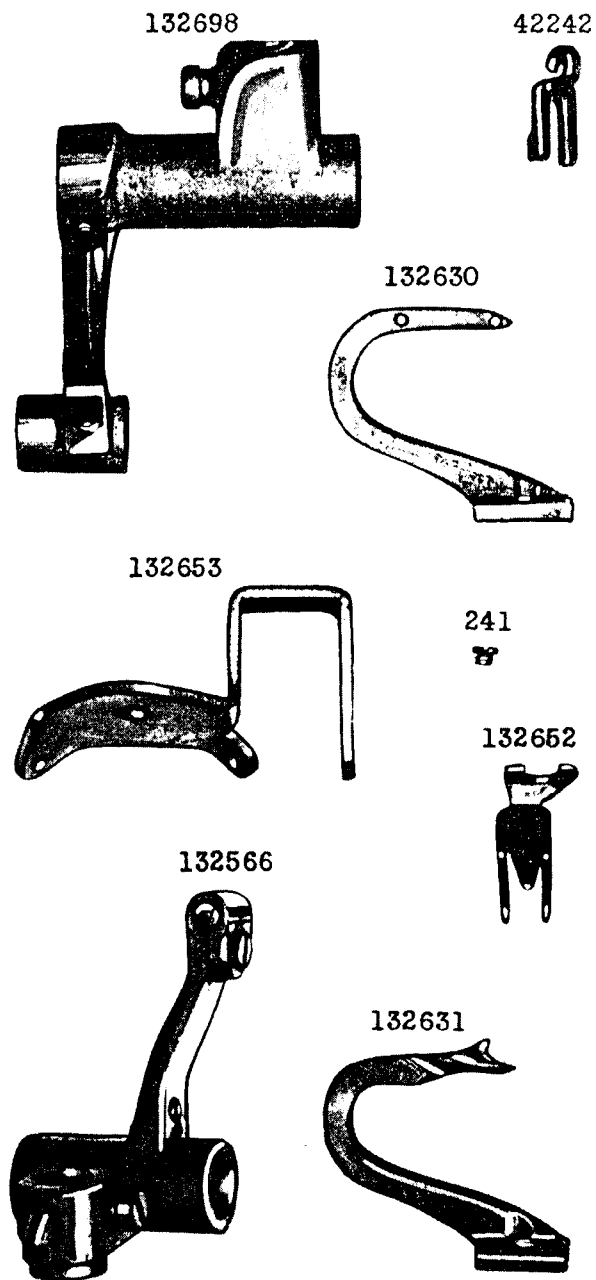


PLATE 20821-FULL SIZE

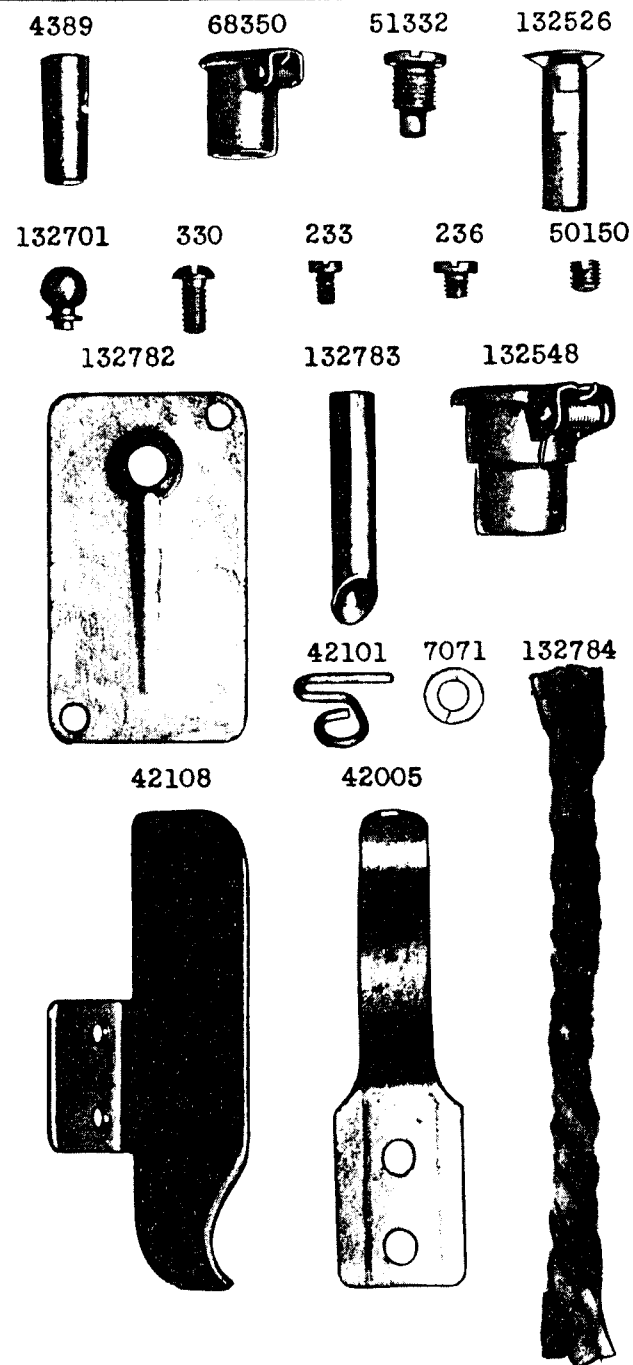
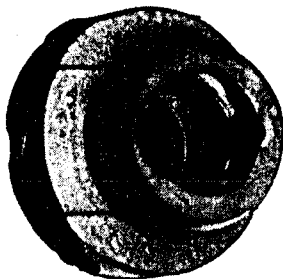


PLATE 20822-FULL SIZE

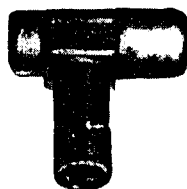
132644



132712



132718



42050



132719



50117



132721



132569



132552



68497



132720



PLATE 20823-FULL SIZE

132816



132817



132864



132868



132867



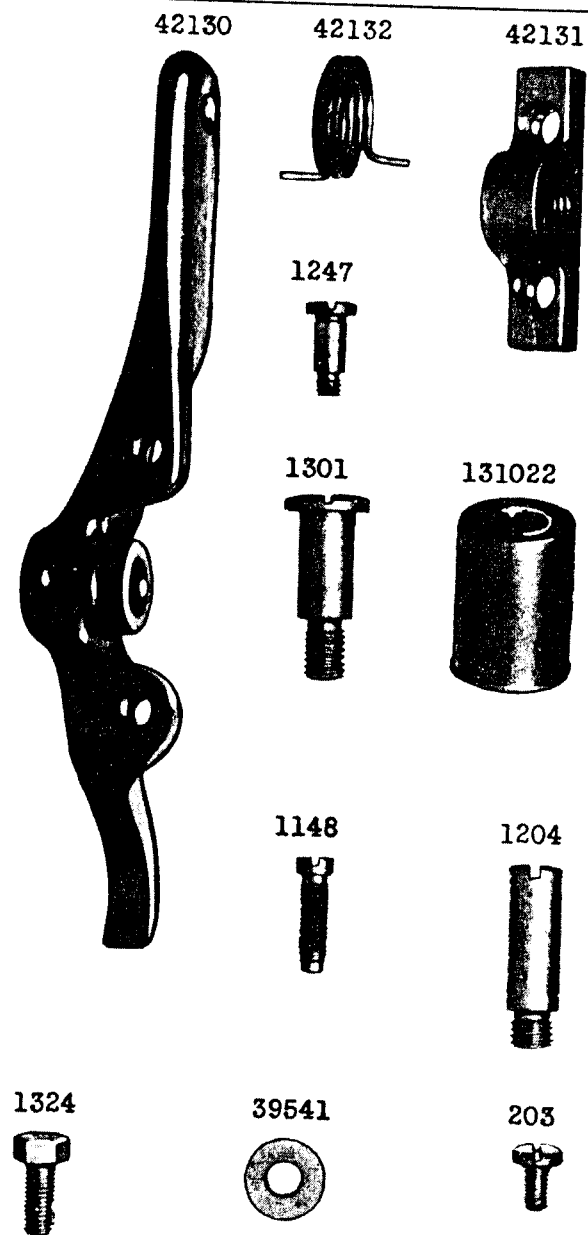
132558



132559



# PLATE 20824-FULL SIZE



# PLATE 20825-FULL SIZE

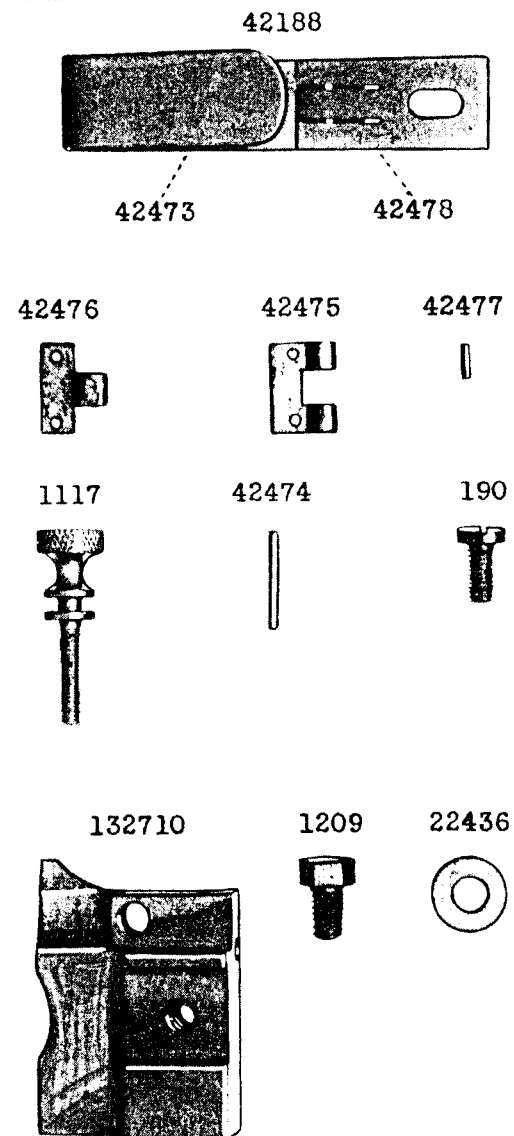


PLATE 20826-FULL SIZE

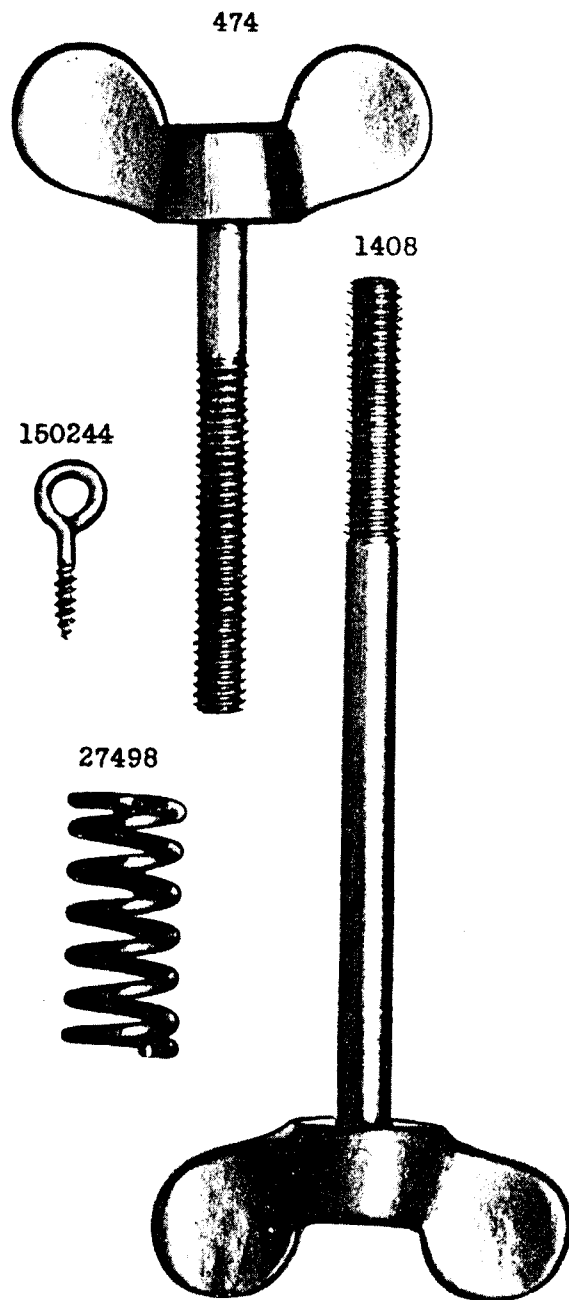


PLATE 20827-ONE-HALF SIZE

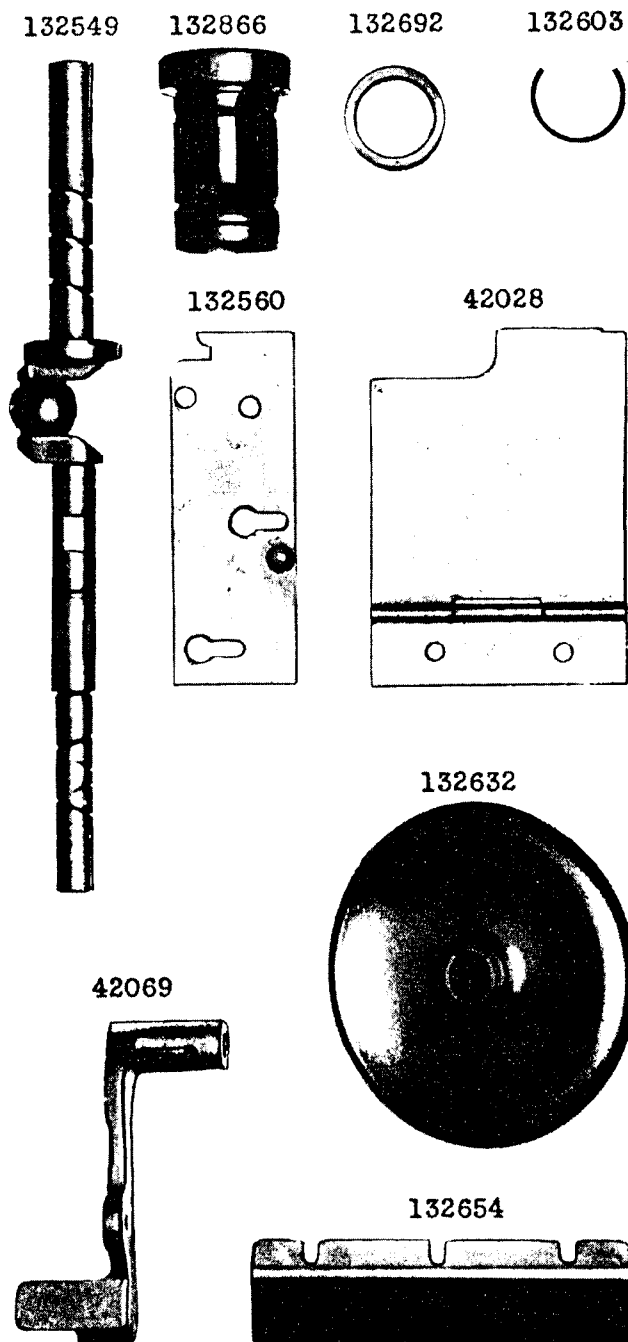
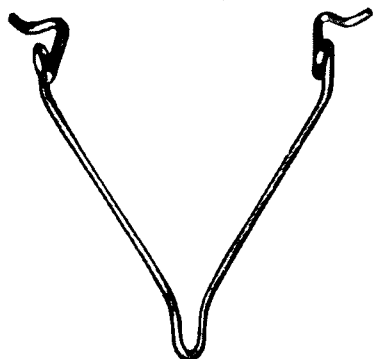


PLATE 20828-ONE-HALF SIZE

131189



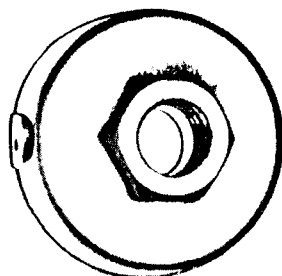
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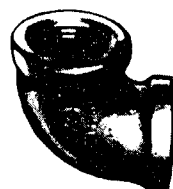
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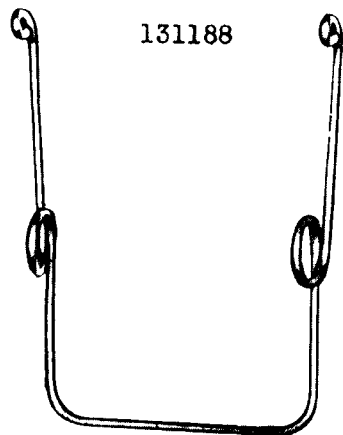
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131267



131188



131266



PLATE 20829-ONE-HALF SIZE

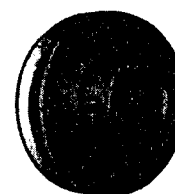
41327



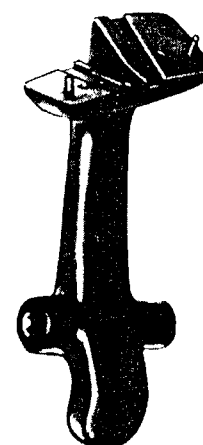
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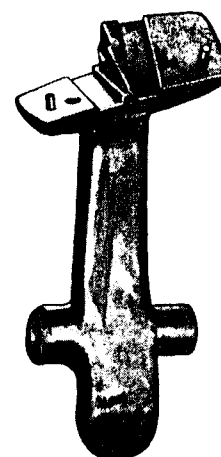
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41330



41818



41331

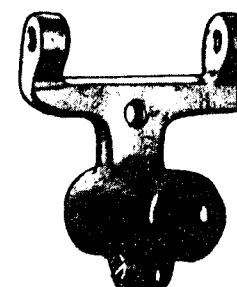
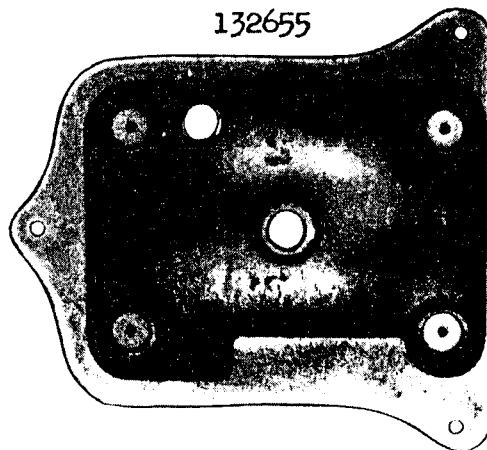


PLATE 20830-ONE-FOURTH SIZE

132655



41329

