

Singer 15-86

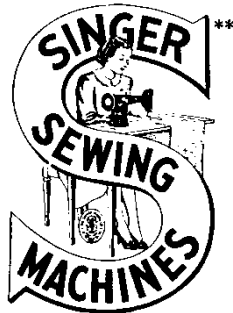
Singer 15-87

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Form 18840  
November, 1934  
PRINTED IN U. S. A.

DO NOT REMOVE

# LIST OF PARTS



FOR FAMILY SHOPS

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## MACHINES

Nos. 15-86 and 15-87

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

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## INSTRUCTIONS FOR ORDERING

7

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
- 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.

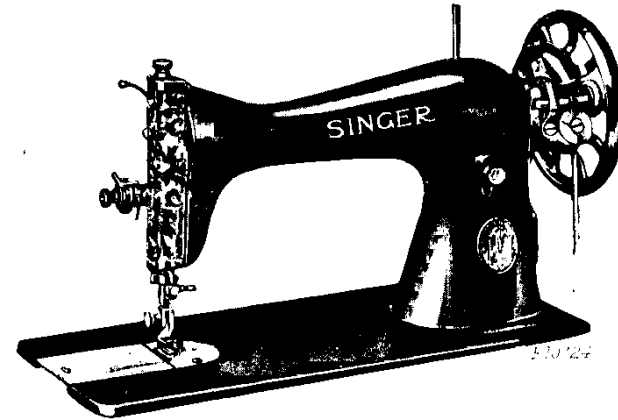
In this series:

1 to 1500 and 50001 to 51500 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 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. 15-86

FOR FAMILY USE. C. B. SHUTTLE. DROP FEED.  
BALANCED MACHINE.

| NO.     | PLATE | NAME                                                             |
|---------|-------|------------------------------------------------------------------|
| *125082 | —     | Arm.....                                                         |
| 125083  | —     | " 125082 with 435c, 448c, 15404, 15486, 15498 and two 15405..... |
| 2002    | 21434 | Arm Dowel Pin.....                                               |
| 125088  | 21431 | " Oil Pad (felt) for oiling Arm Shaft Back Bearing.....          |
| 125089  | 21437 | Arm Oil Pad Spring for 125090 and 125093.....                    |
| 125334  | 21437 | Arm Oil Pad Spring Cap.....                                      |
| 138s    | 21434 | " Screw.....                                                     |
| 125042  | 21427 | " Shaft.....                                                     |
| *125084 | —     | " " 125042 with 15434, 15498 and 125045.....                     |
| 15498   | 21427 | Arm Shaft Bushing.....                                           |
| 435c    | 21434 | " " " Set Screw.....                                             |
| 15427   | 21428 | " Side Cover.....                                                |
| 51224B  | 4926  | " " " Thumb Screw.....                                           |
| 2007    | 21426 | " Spool Pin.....                                                 |
| 8879    | 21426 | " " " Washer (cloth).....                                        |

| NO.    | PLATE | NAME                                                                                                                         |
|--------|-------|------------------------------------------------------------------------------------------------------------------------------|
| 15282  | 21428 | Balance Wheel, 2¼ in. pulley.....                                                                                            |
| *2805  | —     | Bed.....                                                                                                                     |
| 256B   | 21426 | Clamp Stop Motion Clamp Screw.....                                                                                           |
| 248A   | 21426 | " " " " Stop Screw..                                                                                                         |
| 2020   | 21426 | " " " " Washer.....                                                                                                          |
| *15312 | —     | " " " " Flanged Bushing                                                                                                      |
| 15313  | 21426 | " " " " " "                                                                                                                  |
|        |       | 15312 with two 462c.....                                                                                                     |
| 2022   | 21426 | Clamp Stop Motion Flanged Bushing Pin                                                                                        |
| 462c   | 21434 | " " " " " " Set                                                                                                              |
|        |       | Screw.....                                                                                                                   |
| 15314  | —     | Clamp Stop Motion complete, Nos. 248A,<br>256B, 2020 and 15313.....                                                          |
| 125021 | 21427 | Crank Connecting Rod with 125044 and<br>two 896E.....                                                                        |
| 896E   | 21434 | Crank Connecting Rod Cap Screw.....                                                                                          |
| 375c   | 21434 | " " " " Hinge Screw....                                                                                                      |
| 1518J  | 21434 | " " " " " " Nut                                                                                                              |
| 125044 | 21431 | " " " " Oil Pad (felt)...                                                                                                    |
| *15406 | —     | Face Plate.....                                                                                                              |
| *15407 | —     | " " 15406 with 15428.....                                                                                                    |
| 15432  | 21428 | " " 15407 with 857B, 2827, 15410,<br>15412 and 50292B.....                                                                   |
| 15408  | —     | Face Plate Tension Seat.....                                                                                                 |
| 15428  | —     | " " " " 15408 with 15395                                                                                                     |
| 55644  | —     | Face Plate complete, Nos. 15432 and<br>15471.....                                                                            |
| 190B   | 21434 | Face Plate Screw.....                                                                                                        |
| 2827   | 21431 | " " Thread Guard with 8505.....                                                                                              |
| 8505   | 21434 | " " " " Rivet...per 100                                                                                                      |
| 2835   | 21427 | Feed Bar.....                                                                                                                |
| 315c   | 21434 | " " Screw Center.....                                                                                                        |
| 15445  | —     | " " " " 315c with 1519J..                                                                                                    |
| 1519J  | 21434 | " " " " Nut.....                                                                                                             |
| 125045 | 21427 | " Cam and Counterbalance with 1285c                                                                                          |
| 1285c  | 21434 | " " " " Position                                                                                                             |
|        |       | Screw.....                                                                                                                   |
| 15279  | 21432 | Feed Dog, 12 teeth (14 teeth to the inch)<br>three teeth at right of needle, square<br>corner, for 15280, 15316 and 15317... |
| 208E   | 21434 | Feed Dog Screw.....                                                                                                          |
| 125046 | 21428 | " Forked Connection.....                                                                                                     |
| 125085 | —     | " " " 125046 with<br>125335.....                                                                                             |
| 1381c  | 21434 | Feed Forked Connection Hinge Screw<br>(eccentric).....                                                                       |

| NO.    | PLATE | NAME                                                         |
|--------|-------|--------------------------------------------------------------|
| 1520J  | 21434 | Feed Forked Connection Hinge Screw<br>Nut.....               |
| 125047 | 21426 | Feed Forked Connection Slide Block                           |
| 125335 | —     | " " " " " "                                                  |
|        |       | 125047 with 1085E.....                                       |
| 1085E  | 21434 | Feed Forked Connection Slide Block<br>Screw Stud.....        |
| 2816   | 21427 | Feed Lifting Rock Shaft.....                                 |
| 2836   | —     | Feed Lifting Rock Shaft complete, Nos.<br>2509 and 2816..... |
| 2509   | 21426 | Feed Lifting Rock Shaft Crank with 157J<br>and 1813.....     |
| 157J   | 21426 | Feed Lifting Rock Shaft Crank Clamping<br>Screw.....         |
| 1813   | 21426 | Feed Lifting Rock Shaft Crank Roller<br>and Stud.....        |
| 307c   | 21434 | Feed Lifting Rock Shaft Screw Center                         |
| 56814  | —     | " " " " " " "                                                |
|        |       | 307c with 1513J.....                                         |
| 1513J  | 21434 | Feed Lifting Rock Shaft Screw Center<br>Nut.....             |
| 125050 | 21426 | Feed Regulator.....                                          |
| 8217   | 4918  | " " Friction Washer.....                                     |
| 50353E | 4918  | " " Hinge Screw.....                                         |
| 51225B | 4926  | " " Thumb Screw.....                                         |
| 125036 | 4926  | " " " " Washer...                                            |
| 15297  | 21427 | " Rock Shaft.....                                            |
| 307c   | 21434 | " " " Screw Center.....                                      |
| 56814  | —     | " " " " " 307c with<br>1513J.....                            |
| 1513J  | 21434 | Feed Rock Shaft Screw Center Nut.....                        |
| 51045c | 4926  | Machine Hinge Connection Set Screw...                        |
| 125079 | 21429 | Needle Bar.....                                              |
| 125052 | 21429 | " " Bushing.....                                             |
| 125072 | 21429 | " " " Oil Pad (felt).....                                    |
| 1498c  | 21429 | " " " Set Screw.....                                         |
| *15248 | 21429 | " " Connecting Link with 51002E                              |
| 15374  | —     | " " " 15248 with<br>2052.....                                |
| 51002E | 4926  | Needle Bar Connecting Link Adjusting<br>Screw.....           |
| 570c   | 21429 | Needle Bar Connecting Link Hinge Screw                       |
| 1520J  | 21434 | " " " " " "                                                  |
|        |       | Nut.....                                                     |
| 2052   | 21429 | Needle Bar Connecting Stud with 155c..                       |
| 155c   | 21434 | " " " " Set Screw..                                          |
| 125095 | 21429 | " " Thread Guard.....                                        |
| 251A   | 21429 | " " " " Screw.....                                           |

| NO.     | PLATE | NAME                                                             |
|---------|-------|------------------------------------------------------------------|
| 2054    | 21429 | Needle Clamp with 552c.....                                      |
| 552c    | 21429 | " " Thumb Screw.....                                             |
| 125055  | 21428 | Oscillating Rock Shaft with 125056.....                          |
| 307c    | 21434 | " " " Screw Center.....                                          |
| 56814   | —     | " " " " " 307c                                                   |
|         |       | with 1513j.....                                                  |
| 1513j   | 21434 | Oscillating Rock Shaft Screw Center Nut                          |
| 125056  | 21428 | " " " Oil Wick (braided cotton).....                             |
| 2510    | 21427 | Oscillating Shaft.....                                           |
| *125057 | —     | " " Crank.....                                                   |
| 125059  | 21426 | " " " 125057 with 125330                                         |
|         |       | and two 462c.....                                                |
| *15170  | —     | Oscillating Shaft Crank Slide Block.....                         |
| 125330  | 21426 | " " " " " 15170                                                  |
|         |       | with 125060.....                                                 |
| *125060 | —     | Oscillating Shaft Crank Slide Block Stud                         |
| 2049    | 21431 | " " " Pin.....                                                   |
| 462c    | 21434 | " " " Set Screw.....                                             |
| 125061  | 21429 | Presser Bar.....                                                 |
| 55621   | 4926  | " " " Lifter.....                                                |
| 15486   | 21429 | " " " Hinge Stud.....                                            |
| 448c    | 21434 | " " " " " Set Screw                                              |
| 8399    | 21429 | " " " Spring.....                                                |
| 2068    | 21426 | " " " Bracket with 453c....                                      |
| 453c    | 21434 | " " " " " Set Screw....                                          |
| 2070    | 21429 | " " " Washer.....                                                |
| 45329   | 21432 | " Foot Hinge Pin.....                                            |
| 45319   | —     | " " Plate.....                                                   |
| 45320   | —     | " " Shank.....                                                   |
| 45321   | 21432 | Presser Foot (hinged) complete, Nos. 45319, 45320 and 45329..... |
| 51224B  | 4926  | Presser Foot Thumb Screw.....                                    |
| *51228B | 21429 | Pressure Regulating Thumb Screw.....                             |
| 66773   | —     | " " " " " 51228B                                                 |
|         |       | with 66752.....                                                  |
| 66752   | 21429 | Pressure Regulating Thumb Screw Plug (felt).....                 |
| 2518    | 4926  | Shuttle Bobbin.....                                              |
| *62739  | —     | " " Case.....                                                    |
| 15140   | 21431 | " " " Latch.....                                                 |
| 2973    | 21431 | " " " Lever.....                                                 |
| 2974    | 21431 | " " " " " Fulcrum                                                |
|         |       | Pin.....per 100..                                                |
| 2975    | 21431 | Shuttle Bobbin Case Latch Spring.....                            |
| 592E    | 21431 | " " " " " Stop Screw..                                           |
| 15141   | —     | " " " Hinge, Nos. 2973, 2974 and 15140.....                      |

| NO.     | PLATE | NAME                                                                                          |
|---------|-------|-----------------------------------------------------------------------------------------------|
| 15027   | 21431 | Shuttle Bobbin Case Position Finger                                                           |
| 2523    | 21431 | " " " " " "                                                                                   |
|         |       | Rivet.....per 100                                                                             |
| 15277   | 21431 | Shuttle Bobbin Case complete, Nos. 591F, 592E, 2523, 2975, 15027, 15141, 15278 and 62739..... |
| 2515    | 21431 | Shuttle Body.....                                                                             |
| 591F    | 21431 | " Tension Regulating Screw.....                                                               |
| 15278   | 21431 | " " Spring.....                                                                               |
| 125018  | 4926  | " 1 1/16 in. diam., Nos. 2515, 2518 and 15277.....                                            |
| *125062 | —     | Shuttle Driver.....                                                                           |
| 125092  | 21431 | " " " 125062 with two 462c....                                                                |
| 125064  | —     | " " " 125092 with 125065 and two 51229E.....                                                  |
| 125065  | 21431 | Shuttle Driver Cushion Spring.....                                                            |
| 51229E  | 21431 | " " " " " Screw....                                                                           |
| 2049    | 21431 | " " " Pin.....                                                                                |
| 462c    | 21434 | " " " Set Screw.....                                                                          |
| 2531    | 21430 | " Race Back.....                                                                              |
| 2532    | 21434 | " " " Position Pin...per 100                                                                  |
| 125080  | 21430 | " " " Spring.....                                                                             |
| 648J    | 21434 | " " " " " Screw.....                                                                          |
| 2530    | —     | " " Body.....                                                                                 |
| 15420   | —     | " " " 2530 with 2535 and two 662J.....                                                        |
| 2535    | 21430 | Shuttle Race Cap.....                                                                         |
| 662J    | 21434 | " " " Screw.....                                                                              |
| 2528    | 21430 | Shuttle Race complete, Nos. 648J, 2531, 15420, 125080 and two 2532.....                       |
| 145J    | 21434 | Shuttle Race Screw.....                                                                       |
| 15188   | 21432 | " " Slide.....                                                                                |
| 2824    | 21432 | " " " Spring.....                                                                             |
| 50216J  | 21434 | " " " " " Screw.....                                                                          |
| 15147   | —     | Shuttle Race Slide complete, Nos. 2824, 15188 and two 50216J.....                             |
| 2102    | 21431 | Tension Disc.....                                                                             |
| 1560B   | 21431 | " Regulating Thumb Nut.....                                                                   |
| 32572   | 21431 | " Releasing Disc.....                                                                         |
| 15238   | 21431 | " " Pin.....                                                                                  |
| 13710   | 4918  | " Spring.....                                                                                 |
| 50291W  | 4918  | " Stud.....                                                                                   |
| 15410   | 4918  | " " Bushing.....                                                                              |
| 50292B  | 4918  | " " Set Screw.....                                                                            |
| 15471   | —     | Tension complete, Nos. 1560B, 13710, 15238, 32572, 50291W, 55645 and two 2102.....            |

| NO.    | PLATE | NAME                                       |
|--------|-------|--------------------------------------------|
| 15395  | 4918  | Tension Thread Guard.....                  |
| 26075  | 4926  | Thread Cutter and Holder.....              |
| 15272  | 21427 | " Take-up Cam with 1293c.....              |
| *15434 | —     | " " " 15272 with 570c<br>and 1520j.....    |
| 1293c  | 21434 | Thread Take-up Cam Position Screw...       |
| *15491 | 21431 | " " " Lever with 1822.....                 |
| 15492  | —     | " " " 15491 with 50527c                    |
| 50527c | 21434 | " " " Hinge Screw....                      |
| 1822   | 21431 | " " " Roller and Stud.                     |
| 55045  | 4918  | " " " Spring.....                          |
| 15412  | 4918  | " " " Regulator.....                       |
| 857B   | 4918  | " " " " S e t<br>Screw.....                |
| 15316  | 21433 | Throat Plate, large needle hole, for 15279 |
| 15280  | 21432 | " " " medium needle hole, for 15279        |
| 15317  | 21433 | " " " small needle hole, for 15279         |

NOTE: 15280 Throat Plate is sent with this machine.

|        |       |                         |
|--------|-------|-------------------------|
| 691A   | 21434 | Throat Plate Screw..... |
| *15404 | —     | Trade Mark.....         |
| 15405  | 21434 | " " 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

## MACHINE No. 15-87

FOR FAMILY USE. C. B. SHUTTLE. DROP FEED. BALANCED MACHINE.  
HAS B. R. MOTOR AND MOULDED SINGERLIGHT. FOR CABINET  
TABLE SET NO. 404 AND STAND NO. 46913.

This Machine is the No. 15-86, with the following exception:

| NO.   | PLATE | NAME                                                    |
|-------|-------|---------------------------------------------------------|
| 32672 | 4951  | Balance Wheel, 3¼ in. pulley, in place of<br>15282..... |

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# B. R. FAMILY SEWING MACHINE MOTORS

14

| RATING  |            |       | CONTROLLER PART NUMBERS |                                                                                 |                                                  |                                                       |                                                                  |                                                                                   |                                                              |
|---------|------------|-------|-------------------------|---------------------------------------------------------------------------------|--------------------------------------------------|-------------------------------------------------------|------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------|
|         |            |       | MOTOR<br>CATALOG<br>NO. | C<br>KNEE<br>CONTROL FOR<br>ELECTRIC<br>CABINET<br>TABLES NOS.<br>40, 47 AND 50 | F<br>FOOT<br>CONTROL<br>FOR<br>CABINET<br>TABLES | L<br>TREADLE<br>CONTROL<br>FOR<br>COVER SET<br>STANDS | M<br>TREADLE<br>CONTROL<br>FOR<br>STANDS NOS.<br>46909 AND 46912 | N<br>TREADLE<br>CONTROL FOR<br>ELECTRIC<br>CABINET<br>TABLE<br>STAND<br>NO. 46913 | T<br>TREADLE<br>CONTROL<br>FOR<br>CABINET<br>TABLE<br>STANDS |
| VOLTS   | CYCLES     | AMPS. |                         |                                                                                 |                                                  |                                                       |                                                                  |                                                                                   |                                                              |
| 32      | D. C. only | 1.4   | B. R. 3                 | 193646                                                                          | 193851                                           | 192824                                                | 193745                                                           | 193745                                                                            | 192824                                                       |
| 50      | D. C. and  | 1.1   | B. R. 5                 | 193646                                                                          | 193851                                           | 192824                                                | 193745                                                           | 193745                                                                            | 192824                                                       |
| 95-100  | 25 to 75   | 0.6   | B. R. 6                 | 193647                                                                          | 193852                                           | 192825                                                | 193746                                                           | 193746                                                                            | 192825                                                       |
| 100-110 | 25 to 75   | 0.6   | B. R. 7                 | 193647                                                                          | 193852                                           | 192825                                                | 193746                                                           | 193746                                                                            | 192825                                                       |
| 115-125 | 25 to 75   | 0.5   | B. R. 8                 | 193647                                                                          | 193852                                           | 192825                                                | 193746                                                           | 193746                                                                            | 192825                                                       |
| 150-165 | 25 to 75   | 0.4   | B. R. 9                 | 193648                                                                          | 193853                                           | 192826                                                | 193747                                                           | 193747                                                                            | 192826                                                       |
| 200-220 | 25 to 75   | 0.3   | B. R. 10                | 193648                                                                          | 193853                                           | 192826                                                | 193747                                                           | 193747                                                                            | 192826                                                       |
| 210-230 | 25 to 75   | 0.3   | B. R. 11                | 193648                                                                          | 193853                                           | 192826                                                | 193747                                                           | 193747                                                                            | 192826                                                       |
| 230-250 | 25 to 75   | 0.3   | B. R. 12                | 193648                                                                          | 193853                                           | 192826                                                | 193747                                                           | 193747                                                                            | 192826                                                       |
| 130-145 | 25 to 75   | 0.5   | B. R. 15                | 193647                                                                          | 193852                                           | 192825                                                | 193746                                                           | 193746                                                                            | 192825                                                       |
| 100-110 | 80 to 100  | 0.7   | B. R. 87                | 193647                                                                          | 193852                                           | 192825                                                | 193746                                                           | 193746                                                                            | 192825                                                       |
| 200-220 | 80 to 100  | 0.4   | B. R. 90                | 193648                                                                          | 193853                                           | 192826                                                | 193747                                                           | 193747                                                                            | 192826                                                       |
| 230-250 | 80 to 100  | 0.3   | B. R. 92                | 193648                                                                          | 193853                                           | 192826                                                | 193747                                                           | 193747                                                                            | 192826                                                       |

## GUIDE FOR ORDERING

Example of a correct order: "B. R. 7-C Motor with Belt No. 193066 or 193077". (Belt No. must be specified on order)  
 This means a B. R. Motor, 100-110 volts, for Knee Control, for Electric Cabinet Table Sets Nos. 40, 47 or 50 and is comprised of the following:  
 Motor, Motor Bracket complete with Screws, Three-Pin Terminal (male half) complete, Belt, Controller with Lead and Cord and Singer Motor Lubricant in Tube.

## MOTOR PARTS

| NO      | PLATE | NAME                                                        |
|---------|-------|-------------------------------------------------------------|
| 193476  | —     | Armature complete, for B. R. 3 Motor...                     |
| 193477  | —     | " " " B. R. 5 Motor...                                      |
| 193318  | 20160 | " " " B. R. 6 and B. R. 7<br>Motors.....                    |
| 193478  | —     | Armature complete, for B. R. 8 Motor...                     |
| 193479  | —     | " " " B. R. 9 Motor...                                      |
| 193480  | —     | " " " B. R. 10 and B. R. 12<br>Motors.....                  |
| 193481  | —     | Armature complete, for B. R. 11 and B. R. 12<br>Motors..... |
| 193482  | —     | Armature complete, for B. R. 15 Motor...                    |
| 193483  | —     | " " " B. R. 87 Motor...                                     |
| 193484  | —     | " " " B. R. 90 Motor...                                     |
| *193225 | 20161 | " Shaft.....                                                |
| *190076 | 20159 | " " Bearing Sleeve.....                                     |
| 193230  | 20159 | " " " Cap (commutator end).....                             |
| 194046  | 20159 | Armature Shaft Grease Pad (felt).....                       |
| 190075  | 20159 | " " " " Spring.....                                         |
| 193402  | 20159 | " " " " " Cap.....                                          |
| 191097  | 20159 | " Thrust Washer (commutator end) fibre.....                 |
| 701400  | 20159 | Armature Thrust Washer (pulley end) fibre.....              |
| 191098  | 20159 | Armature Thrust Washer (pulley end) peerless paper.....     |
| 193066  | 4950  | Belt (moulded) for Spoked Balance Wheel No. 15282.....      |
| 193077  | 4951  | Belt (moulded) for Disc Balance Wheel No. 32672.....        |
| 190782  | 20159 | Brush (carbon) for 32 to 145 volts.....                     |
| 192947  | —     | " " " 150 to 250 volts.....                                 |
| 193229  | 20159 | " Cap.....                                                  |
| 190083  | 20159 | " Spring.....                                               |
| 193228  | 20159 | " Tube.....                                                 |
| 193238  | 20159 | " " Terminal.....                                           |
| 190059  | 20160 | Commutator complete.....                                    |
| 193226  | 20160 | End Cover (commutator end) with two 193232.....             |
| *193232 | 20159 | End Cover (commutator end) Insert.....                      |
| 193227  | 20160 | " " (pulley end) with 193233 and 193234.....                |
| *193234 | 20159 | End Cover (pulley end) Insert (lower).....                  |
| *193233 | 20159 | " " " " " (upper).....                                      |
| 51206R  | 20159 | " " Screw.....                                              |

| NO.                                                                                                                                                                                                                                                                                                                                     | PLATE | NAME                                                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------|
| 193236                                                                                                                                                                                                                                                                                                                                  | 20161 | Fan.....                                                                           |
| The part numbers for the Field Coils (left and right) that are printed with an asterisk (*) will be furnished only when repairs to a motor are made at the factory. No orders will be filled for left or right coils separately. Agencies orders will only be filled with Field Coils complete, comprising one left and one right coil. |       |                                                                                    |
| *193442                                                                                                                                                                                                                                                                                                                                 | —     | Field Coil (left).....                                                             |
| *193441                                                                                                                                                                                                                                                                                                                                 | —     | “ “ (right).....                                                                   |
| 193440                                                                                                                                                                                                                                                                                                                                  | —     | Field Coil complete, for B. R. 3 Motor, Nos. 193441 and 193442.....                |
| *193445                                                                                                                                                                                                                                                                                                                                 | —     | Field Coil (left).....                                                             |
| *193444                                                                                                                                                                                                                                                                                                                                 | —     | “ “ (right).....                                                                   |
| 193443                                                                                                                                                                                                                                                                                                                                  | —     | Field Coil complete, for B. R. 5 Motor, Nos. 193444 and 193445.....                |
| *193448                                                                                                                                                                                                                                                                                                                                 | —     | Field Coil (left).....                                                             |
| *193447                                                                                                                                                                                                                                                                                                                                 | —     | “ “ (right).....                                                                   |
| 193446                                                                                                                                                                                                                                                                                                                                  | —     | Field Coil complete, for B. R. 6 Motor, Nos. 193447 and 193448.....                |
| *193451                                                                                                                                                                                                                                                                                                                                 | 20172 | Field Coil (left).....                                                             |
| *193450                                                                                                                                                                                                                                                                                                                                 | 20172 | “ “ (right).....                                                                   |
| 193449                                                                                                                                                                                                                                                                                                                                  | —     | Field Coil complete, for B. R. 7 Motor, Nos. 193450 and 193451.....                |
| *193454                                                                                                                                                                                                                                                                                                                                 | —     | Field Coil (left).....                                                             |
| *193453                                                                                                                                                                                                                                                                                                                                 | —     | “ “ (right).....                                                                   |
| 193452                                                                                                                                                                                                                                                                                                                                  | —     | Field Coil complete, for B. R. 8 Motor, Nos. 193453 and 193454.....                |
| *193457                                                                                                                                                                                                                                                                                                                                 | —     | Field Coil (left).....                                                             |
| *193456                                                                                                                                                                                                                                                                                                                                 | —     | “ “ (right).....                                                                   |
| 193455                                                                                                                                                                                                                                                                                                                                  | —     | Field Coil complete, for B. R. 9 Motor, Nos. 193456 and 193457.....                |
| *193460                                                                                                                                                                                                                                                                                                                                 | —     | Field Coil (left).....                                                             |
| *193459                                                                                                                                                                                                                                                                                                                                 | —     | “ “ (right).....                                                                   |
| 193458                                                                                                                                                                                                                                                                                                                                  | —     | Field Coil complete, for B. R. 10 and B. R. 11 Motors, Nos. 193459 and 193460..... |
| *193463                                                                                                                                                                                                                                                                                                                                 | —     | Field Coil (left).....                                                             |
| *193462                                                                                                                                                                                                                                                                                                                                 | —     | “ “ (right).....                                                                   |
| 193461                                                                                                                                                                                                                                                                                                                                  | —     | Field Coil complete, for B. R. 12 Motor, Nos. 193462 and 193463.....               |
| *193466                                                                                                                                                                                                                                                                                                                                 | —     | Field Coil (left).....                                                             |
| *193465                                                                                                                                                                                                                                                                                                                                 | —     | “ “ (right).....                                                                   |

| NO.     | PLATE | NAME                                                                                                                                 |
|---------|-------|--------------------------------------------------------------------------------------------------------------------------------------|
| 193464  | —     | Field Coil complete, for B. R. 15 Motor, Nos. 193465 and 193466.....                                                                 |
| *193469 | —     | Field Coil (left).....                                                                                                               |
| *193468 | —     | “ “ (right).....                                                                                                                     |
| 193467  | —     | Field Coil complete, for B. R. 87 Motor, Nos. 193468 and 193469.....                                                                 |
| *193472 | —     | Field Coil (left).....                                                                                                               |
| *193471 | —     | “ “ (right).....                                                                                                                     |
| 193470  | —     | Field Coil complete, for B. R. 90 Motor, Nos. 193471 and 193472.....                                                                 |
| *193475 | —     | Field Coil (left).....                                                                                                               |
| *193474 | —     | “ “ (right).....                                                                                                                     |
| 193473  | —     | Field Coil complete, for B. R. 92 Motor, Nos. 193474 and 193475.....                                                                 |
| *192954 | —     | Field Coil Lead Terminal Clip Body.....                                                                                              |
| *192955 | —     | “ “ “ “ “ “ Cap                                                                                                                      |
| 190563  | 20161 | “ “ Retainer.....                                                                                                                    |
| 192240  | 20159 | “ “ Tube (paper).....                                                                                                                |
| 193438  | 20160 | Field Core complete.....                                                                                                             |
| 193239  | 20160 | “ “ Shield.....                                                                                                                      |
| 193285  | —     | “ “ “ 193239 with 899380 and two 700792, for B. R. 7 Motor...                                                                        |
| 193286  | —     | Field Core Shield 193239 with 899381 and two 700792, for all B. R. Motors except B. R. 7 Motor.....                                  |
| *192852 | —     | Lead Cord.....                                                                                                                       |
| 192851  | 20161 | Lead Cord complete, from lamp socket to three-pin terminal, for Knee or Treadle Control, Nos. 192542, 192790, 192852 and 192989..... |
| 192542  | 4966  | Lead Cord Plug Cap with 192543.....                                                                                                  |
| 192543  | 4966  | “ “ “ Flash Disc (fibre).....                                                                                                        |
| 192641  | 20161 | Motor Bracket.....                                                                                                                   |
| 50632n  | 20159 | “ “ Screw.....                                                                                                                       |
| 190058  | 20159 | “ “ “ Retaining Washer (fibre).....                                                                                                  |
| 191417  | 20159 | Motor Bracket Screw Washer.....                                                                                                      |
| 193287  | —     | Motor Bracket complete, Nos. 50632n, 51208B, 190058, 191417, 192641 and 701513.....                                                  |
| 51208B  | 20159 | Motor Screw.....                                                                                                                     |
| 701513  | 20159 | “ “ Retaining Washer (fibre)...                                                                                                      |
| *899380 | —     | Name Plate for B. R. 7 Motor.....                                                                                                    |
| *899381 | —     | “ “ “ all B. R. Motors except B. R. 7 Motor.....                                                                                     |
| 700792  | 20159 | Name Plate Rivet.....                                                                                                                |



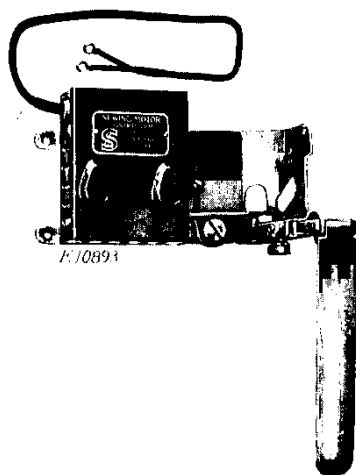
| NO.     | PLATE | NAME                                                                                                                                                                  |
|---------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 193858  | 21362 | Controller Foot Rest (stationary).....                                                                                                                                |
| 225J    | 21362 | " " " " Screw                                                                                                                                                         |
| *192820 | —     | " Lead Cord, 8 ft. long.....                                                                                                                                          |
| *193991 | —     | " " " 3 ft. 10 in. long..                                                                                                                                             |
| 193990  | 21445 | Controller Lead Cord complete, from lamp socket to three-pin terminal and controller, Nos. 192348, 192542, 192820, 192989, 193991 and two each 191960 and 191961..... |
| 192348  | 21362 | Controller Lead Cord Bushing.....                                                                                                                                     |
| 192542  | 4966  | " " " Plug Cap with 192543.....                                                                                                                                       |
| 192543  | 4966  | Controller Lead Cord Plug Flash Disc (fibre).....                                                                                                                     |
| 194025  | 21362 | Controller Lead Cord Protector.....                                                                                                                                   |
| 228J    | 21362 | " " " " Screw...                                                                                                                                                      |
| *191960 | —     | " " " Terminal Clip Body                                                                                                                                              |
| *191961 | —     | " " " " " " Cap.....                                                                                                                                                  |
| 192140  | 21444 | Controller Resistance Unit, for 95 to 145 volts.....                                                                                                                  |
| 192141  | 21444 | Controller Resistance Unit, for 150 to 250 volts.....                                                                                                                 |
| 192211  | 21444 | Controller Resistance Unit, for 32 to 55 volts.....                                                                                                                   |
| *192303 | —     | Controller Resistance Unit Adjusting Nut Insert (brass).....                                                                                                          |
| 192985  | 21362 | Controller Resistance Unit Adjusting Nut (insulating) with 192303.....                                                                                                |
| 193989  | 21362 | Controller Resistance Unit Adjusting Nut Position Pin.....                                                                                                            |
| 193861  | 21362 | Controller Resistance Unit Bell Crank (left).....                                                                                                                     |
| 193862  | 21362 | Controller Resistance Unit Bell Crank (right).....                                                                                                                    |
| 51425c  | 21362 | Controller Resistance Unit Bell Crank Hinge Screw.....                                                                                                                |
| 1607J   | 21362 | Controller Resistance Unit Bell Crank Hinge Screw Nut.....                                                                                                            |
| 51118R  | 21362 | Controller Resistance Unit Screw.....                                                                                                                                 |
| 701690  | 21362 | " " " " Washer (asbestos).....                                                                                                                                        |
| 23258   | 21362 | Controller Resistance Unit Screw Washer (steel).....                                                                                                                  |
| 193863  | 21362 | Controller Resistance Unit Yoke with 193989.....                                                                                                                      |

| NO.     | PLATE | NAME                                                                                                                         |
|---------|-------|------------------------------------------------------------------------------------------------------------------------------|
| 51340c  | 21362 | Controller Resistance Unit Yoke Hinge Screw.....                                                                             |
| 1607J   | 21362 | Controller Resistance Unit Yoke Hinge Screw Nut.....                                                                         |
| 193864  | 21362 | Controller Resistance Unit Yoke Spring                                                                                       |
| *194028 | —     | " " " " " Bracket (left).....                                                                                                |
| *194029 | —     | Controller Resistance Unit Yoke Spring Bracket (right).....                                                                  |
| 193988  | —     | Controller Resistance Unit Yoke Spring Bracket Rivet.....                                                                    |
| *899287 | —     | Name Plate for 193851 and 193853.....                                                                                        |
| *899531 | 21362 | " " " 193852.....                                                                                                            |
| 36648   | 21362 | " " Rivet..... per 100                                                                                                       |
| *192643 | —     | Three-Pin Terminal (female half) Housing (upper).....                                                                        |
| *192644 | —     | Three-Pin Terminal (female half) Housing (lower).....                                                                        |
| 51093R  | 21362 | Three-Pin Terminal (female half) Housing Screw.....                                                                          |
| 1768R   | 21362 | Three-Pin Terminal (female half) Housing Screw Nut.....                                                                      |
| 192691  | 20159 | Three-Pin Terminal (female half) Insert Sleeve.....                                                                          |
| 192692  | 20159 | Three-Pin Terminal (female half) Insert Clamp.....                                                                           |
| 192989  | 20161 | Three-Pin Terminal (female half) complete, Nos. 192643, 192644, two each 1768R, 51093R and three each 192691 and 192692..... |

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## KNEE CONTROL



### FOR ELECTRIC CABINET TABLE SETS NOS. 40, 47 AND 50

| NO.    | PLATE | NAME                                                                                                                                                                                                                                             |
|--------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 193646 | —     | Controller complete, for 32 to 55 volts, A. C. or D. C. Motor, Nos. 602J, 51310J, 192211, 192985, 193652, 193654, 193662, 193667, 899287 and two each 23258, 36648, 50940R, 701690 and wood screws ½ in. No. 5 Rd. Hd. and ⅝ in. No. 7 Rd. Hd.   |
| 193647 | —     | Controller complete, for 95 to 145 volts, A. C. or D. C. Motor, Nos. 602J, 51310J, 192140, 192985, 193652, 193654, 193662, 193667, 899448 and two each 23258, 36648, 50940R, 701690 and wood screws ½ in. No. 5 Rd. Hd. and ⅝ in. No. 7 Rd. Hd.  |
| 193648 | —     | Controller complete, for 150 to 250 volts, A. C. or D. C. Motor, Nos. 602J, 51310J, 192141, 192985, 193652, 193654, 193662, 193667, 899287 and two each 23258, 36648, 50940R, 701690 and wood screws ½ in. No. 5 Rd. Hd. and ⅝ in. No. 7 Rd. Hd. |

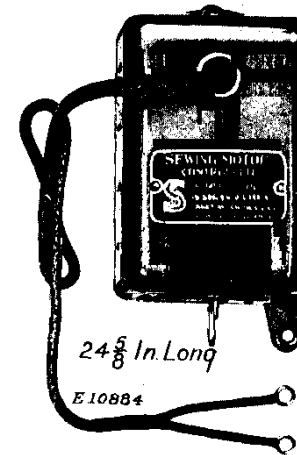
NOTE: One wood screw, size 1 in. No. 10, is furnished when Controllers are to be used on Electric Cabinet Table Set No. 47

| NO.     | PLATE | NAME                                                                                               |
|---------|-------|----------------------------------------------------------------------------------------------------|
| *193668 | —     | Controller Lead                                                                                    |
| 193667  | 21445 | Controller Lead complete, Nos. 193668 and two each 191960, 191961, 192954 and 192955               |
| 192796  | 20162 | Controller Lead Bushing                                                                            |
| 191915  | 20162 | " " " Retainer                                                                                     |
| *192954 | —     | " " Terminal Clip Body (terminal end)                                                              |
| *192955 | —     | Controller Lead Terminal Clip Body Cap (terminal end)                                              |
| *191960 | —     | Controller Lead Terminal Clip Body (controller end)                                                |
| *191961 | —     | Controller Lead Terminal Clip Body Cap (controller end)                                            |
| 193649  | 20164 | Controller Plate                                                                                   |
| 193654  | —     | " " 193649 with 602J, 1708J, 51309c, 193650, 193655, 193719, 194098, 191099, 701679 and two 51311J |
| 192211  | 21444 | Controller Resistance Unit, for 32 to 55 volts                                                     |
| 192140  | 21444 | Controller Resistance Unit for 95 to 145 volts                                                     |
| 192141  | 21444 | Controller Resistance Unit, for 150 to 250 volts                                                   |
| 192985  | 21362 | Controller Resistance Unit Adjusting Nut (insulating) with 192303                                  |
| *192303 | —     | Controller Resistance Unit Adjusting Nut Insert (brass)                                            |
| 5790    | 20162 | Controller Resistance Unit Adjusting Nut Stop Pin per 100                                          |
| 193650  | 20164 | Controller Resistance Unit Bell Crank with 5790, 193651 and 193739                                 |
| 51309c  | 20162 | Controller Resistance Unit Bell Crank Hinge Screw                                                  |
| 1708J   | 20162 | Controller Resistance Unit Bell Crank Hinge Screw Nut                                              |
| 701679  | 20162 | Controller Resistance Unit Bell Crank Hinge Screw Nut Lock Washer                                  |
| 193651  | 20162 | Controller Resistance Unit Bell Crank Wearing Plate                                                |
| 193739  | 20162 | Controller Resistance Unit Bell Crank Wearing Plate Rivet per 100                                  |
| 193653  | 20164 | Controller Resistance Unit Cover                                                                   |
| 193652  | —     | " " " " 193653 with 191915 and 192796                                                              |
| 602J    | 20162 | Controller Resistance Unit Cover Screw                                                             |
| 50940R  | 20162 | " " " " Screw                                                                                      |

| NO.     | PLATE | NAME                                                                     |
|---------|-------|--------------------------------------------------------------------------|
| 701690  | 21362 | Controller Resistance Unit Screw Washer (asbestos).....                  |
| 23258   | 21362 | Controller Resistance Unit Screw Washer (steel).....                     |
| *193737 | 20164 | Knee Lever.....                                                          |
| *193738 | 20164 | " " Extension.....                                                       |
| 51336J  | 20162 | " " " Hinge Screw.....                                                   |
| 1549J   | 20162 | " " " " Nut..                                                            |
| 193662  | 20164 | Knee Lever complete, Nos. 1549J, 51336J, 193737 and 193738.....          |
| 193656  | 20164 | Knee Lever Slide with 193670.....                                        |
| 193655  | —     | Knee Lever Slide complete, Nos. 51896, 193656, 193749 and two 51897..... |
| 194098  | 20164 | Knee Lever Slide Cover.....                                              |
| 602J    | 20162 | " " " " Screw.....                                                       |
| 194099  | 20164 | " " " " Housing with 193669...                                           |
| 51311J  | 20162 | " " " " Screw.....                                                       |
| 193669  | 20162 | " " " " Stop Pin.....                                                    |
| 51897   | 20162 | " " " " Roller (large).....                                              |
| 51896   | 20162 | " " " " (small).....                                                     |
| 193749  | 20162 | " " " " Pin.....                                                         |
| 193719  | 20162 | " " " " Spring.....                                                      |
| 193670  | 20162 | " " " " Stud.....                                                        |
| 51310J  | 20162 | " " " Thumb Screw.....                                                   |
| *899287 | —     | Name Plate for 193646 and 193648.....                                    |
| *899448 | —     | " " " 193647.....                                                        |
| 36648   | 21362 | " " Rivet..... per 100                                                   |

**ELECTRICAL TRIMMINGS**

|         |       |                                                           |
|---------|-------|-----------------------------------------------------------|
| 192142  | 4966  | Controller Lead Bushing (for machine lifting plate).....* |
| 192143  | 4966  | Controller Lead Bushing Retaining Spring for 192142.....  |
| *193723 | —     | Controller Lead Tube (wiremold).....                      |
| 193722  | 21443 | " " " 193723 with two 192946.....                         |
| 192909  | 4966  | Controller Lead Tube Clamp (double)....                   |
| 192918  | 4966  | " " " " (single)....                                      |
| *192946 | —     | " " " Ferrule.....                                        |

**TREADLE CONTROL****FOR CABINET TABLES OR COVER SETS**

| NO.     | PLATE | NAME                                                                                                                      |
|---------|-------|---------------------------------------------------------------------------------------------------------------------------|
| 192824  | —     | Controller complete, for 32 to 55 volts, A. C. or D. C. Motor, Nos. 227J, 192811, 192857, 192862, 899287 and two 36648    |
| 192825  | —     | Controller complete, for 95 to 145 volts, A. C. or D. C. Motor, Nos. 227J, 192811, 192857, 192863, 899326 and two 36648.  |
| 192826  | —     | Controller complete, for 150 to 250 volts, A. C. or D. C. Motor, Nos. 227J, 192811, 192857, 192864, 899287 and two 36648. |
| 198001  | 20171 | Controller Bracket for Cabinet Tables...                                                                                  |
| 198002  | 20171 | " " " Cover Sets.....                                                                                                     |
| 51119J  | 20162 | " " " Screw.....                                                                                                          |
| 192907  | 21444 | " " Cover.....                                                                                                            |
| 192811  | —     | " " 192907 with 191915 and 192796.....                                                                                    |
| 227J    | 20162 | Controller Cover Screw.....                                                                                               |
| *192858 | —     | " " Lead.....                                                                                                             |

## TREADLE CONTROL

| NO.     | PLATE | NAME                                                                                                                             |
|---------|-------|----------------------------------------------------------------------------------------------------------------------------------|
| 192857  | 21445 | Controller Lead complete, from controller to three-pin terminal, Nos. 192858 and two each 191960, 191961, 192954 and 192955..... |
| 192796  | 20162 | Controller Lead Bushing.....                                                                                                     |
| 191915  | 20162 | " " " Retainer.....                                                                                                              |
| *191960 | —     | " " Terminal Clip Body (controller end).....                                                                                     |
| *191961 | —     | Controller Lead Terminal Clip Body Cap (controller end).....                                                                     |
| *192954 | —     | Controller Lead Terminal Clip Body (terminal end).....                                                                           |
| *192955 | —     | Controller Lead Terminal Clip Body Cap (terminal end).....                                                                       |
| *192813 | —     | Controller Pitman Rod Connection.....                                                                                            |
| 192866  | 21443 | " " " 192813 with 192867.....                                                                                                    |
| *192867 | —     | Controller Pitman Rod Connection Hook                                                                                            |
| 192211  | 21444 | " Resistance Unit, for 32 to 55 volts.....                                                                                       |
| 192140  | 21444 | Controller Resistance Unit, for 95 to 145 volts.....                                                                             |
| 192141  | 21444 | Controller Resistance Unit for 150 to 250 volts.....                                                                             |
| 192985  | 21362 | Controller Resistance Unit Adjusting Nut (insulating) with 192303.....                                                           |
| *192303 | —     | Controller Resistance Unit Adjusting Nut Insert (brass).....                                                                     |
| 193243  | 21444 | Controller Resistance Unit Base with 192885.....                                                                                 |
| *192862 | —     | Controller Resistance Unit Base 193243 with 192211, 192810, 192985, two each 23258, 51117J, 51118R, 192819 and 701690.....       |
| *192863 | —     | Controller Resistance Unit Base 193243 with 192140, 192810, 192985, two each 23258, 51117J, 51118R, 192819 and 701690.....       |
| *192864 | —     | Controller Resistance Unit Base 193243 with 192141, 192810, 192985, two each 23258, 51117J, 51118R, 192819 and 701690.....       |
| 51118R  | 21362 | Controller Resistance Unit Screw.....                                                                                            |
| 701690  | 21362 | " " " " Washer (asbestos).....                                                                                                   |
| 23258   | 21362 | Controller Resistance Unit Screw Washer (steel).....                                                                             |

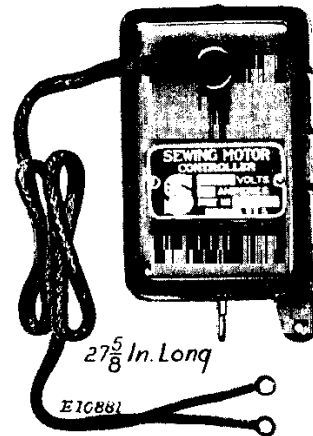
## TREADLE CONTROL

| NO.     | PLATE | NAME                                      |
|---------|-------|-------------------------------------------|
| *192815 | —     | Controller Resistance Unit Yoke.....      |
| 192810  | 21443 | " " " " 192815 with 192816.....           |
| *192816 | —     | Controller Resistance Unit Yoke Extension |
| *192885 | —     | " " " " " Guide.....                      |
| 192819  | 20162 | Controller Resistance Unit Yoke Spring    |
| 51117J  | 20162 | " " " " " Stop Screw.....                 |
| *899287 | —     | Name Plate for 192824 and 192826.....     |
| *899326 | —     | " " " 192825.....                         |
| 36648   | 21362 | " " Rivet..... per 100                    |

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## TREADLE CONTROL



FOR STANDS NOS. 46909 AND 46912

This Control is the same as Treadle Control for Cabinet Tables and Cover Sets (see page 25) with the following exceptions:

| NO.     | PLATE | NAME                                                                                                                                            |
|---------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| 193745  | —     | Controller complete, for 32 to 55 volts, A.C. or D.C. Motor, Nos. 227J, 192811, 192862, 193743, 899287 and two 36648, in place of 192824.....   |
| 193746  | —     | Controller complete, for 95 to 145 volts, A.C. or D.C. Motor, Nos. 227J, 192811, 192863, 193743, 899456 and two 36648, in place of 192825.....  |
| 193747  | —     | Controller complete, for 150 to 250 volts, A.C. or D.C. Motor, Nos. 227J, 192811, 192864, 193743, 899287 and two 36648, in place of 192826..... |
| 198162  | 20171 | Controller Bracket.....                                                                                                                         |
| 198164  | 20171 | " " 198162 with 198163 and three 51119R, in place of 198001 or 198002.....                                                                      |
| 198163  | 20171 | Controller Bracket Clamp.....                                                                                                                   |
| 51119R  | 20162 | " " " Screw.....                                                                                                                                |
| *193744 | —     | " Lead, in place of 192858.....                                                                                                                 |

## TREADLE CONTROL

| NO.     | PLATE | NAME                                                                                                                                                 |
|---------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| 193743  | 21445 | Controller Lead complete, from controller to three-pin terminal, Nos. 193744 and two each 191960, 191961, 192954 and 192955, in place of 192857..... |
| 198169  | 21443 | Controller Pitman Rod Connection, in place of 192866.....                                                                                            |
| 792R    | 20162 | Controller Screw, in place of 51119.....                                                                                                             |
| *899456 | —     | Name Plate for 193746, in place of 899326                                                                                                            |

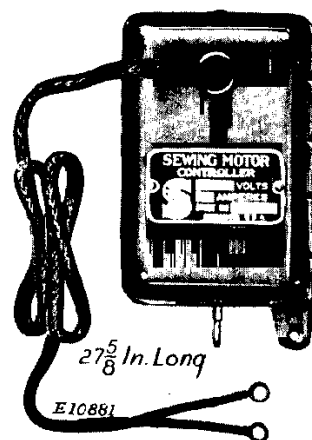
## ELECTRICAL TRIMMINGS

|         |       |                                      |
|---------|-------|--------------------------------------|
| *192913 | —     | Controller Lead Tube (wiremold)..... |
| 192912  | 21445 | " " " 192913 with two 192946.....    |
| 192918  | 4966  | Controller Lead Tube Clamp.....      |
| *192946 | —     | " " " Ferrule.....                   |

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## TREADLE CONTROL



FOR STAND NO. 46913

This Control is the same as Treadle Control for Cabinet Tables and Cover Sets (see page 25) with the following exceptions:

| NO.     | PLATE       | NAME                                                                                                                                              |
|---------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| 193745  | —           | Controller complete, for 32 to 55 volts, A. C. or D. C. Motor, Nos. 227J, 192811, 192862, 193743, 899287 and two 36648, in place of 192824.....   |
| 193746  | —           | Controller complete, for 95 to 145 volts, A. C. or D. C. Motor, Nos. 227J, 192811, 192863, 193743, 899456 and two 36648, in place of 192825.....  |
| 193747  | —           | Controller complete, for 150 to 250 volts, A. C. or D. C. Motor, Nos. 227J, 192811, 192864, 193743, 899287 and two 36648, in place of 192826..... |
| 193826  | 20171       | Controller Bracket.....                                                                                                                           |
| 193827  | —           | “ “ 193826 with 126R and 1549R, in place of 198001 or 198002... 126R 20162 Controller Bracket Screw, in place of 51119.....                       |
|         | 1549R 20162 | Controller Bracket Screw Nut.....                                                                                                                 |
| *193744 | —           | “ “ Lead, in place of 192858.....                                                                                                                 |

## TREADLE CONTROL

| NO.     | PLATE      | NAME                                                                                                                                                 |
|---------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| 193743  | 21445      | Controller Lead complete, from controller to three-pin terminal, Nos. 193744 and two each 191960, 191961, 192954 and 192955, in place of 192857..... |
| 193868  | —          | Controller Pitman Rod Connection, in place of 192813.....                                                                                            |
| 193828  | 21443      | Controller Pitman Rod Connection 193868 with 193869, in place of 192866.....                                                                         |
| *193869 | —          | Controller Pitman Rod Connection Hook, in place of 192867.....                                                                                       |
|         | 792R 20162 | Controller Screw, in place of 51119.....                                                                                                             |
| *899456 | —          | Name Plate for 193746, in place of 899326                                                                                                            |

## ELECTRICAL TRIMMINGS

|         |       |                                                          |
|---------|-------|----------------------------------------------------------|
| 192142  | 4966  | Controller Lead Bushing (for machine lifting plate)..... |
| 192143  | 4966  | Controller Lead Bushing Retaining Spring for 192142..... |
| *192913 | —     | Controller Lead Tube (wire mold) for 192912.....         |
| 192912  | 21445 | Controller Lead Tube 192913 with two 192946 (long).....  |
| *192917 | —     | Controller Lead Tube (wire mold) for 192916.....         |
| 192916  | 4966  | Controller Lead Tube 192917 with two 192946 (short)..... |
| 192918  | 4966  | Controller Lead Tube Clamp.....                          |
| 192946  | —     | “ “ “ Ferrule.....                                       |

## ACCESSORIES

| NO.    | PLATE | NAME                                   |
|--------|-------|----------------------------------------|
| 36569  | 21437 | Oiler with 36571.....                  |
| 36570  | —     | “ 36569, filled with oil.....          |
| 36571  | 21437 | “ Spout, 1 3/4 in. long, with 36807... |
| 36807  | 4926  | “ “ Washer (leather).....              |
| 120329 | —     | Machine Cover.....                     |

## ATTACHMENT SET

| NO.    | PLATE | NAME                        |
|--------|-------|-----------------------------|
| 26319  | 21438 | Binder.....                 |
| 25527  | 21439 | Cloth Guide.....            |
| 50053B | 4926  | “ “ Thumb Screw.....        |
| 25626  | 21438 | Hemmer for 3/8 in. hem..... |
| 25627  | 21438 | “ “ 1/4 in. hem.....        |
| 25628  | 21438 | “ “ 3/8 in. hem.....        |
| 25629  | 21438 | “ “ 5/8 in. hem.....        |

| NO.    | PLATE | NAME                                                                                                                              |
|--------|-------|-----------------------------------------------------------------------------------------------------------------------------------|
| 25537  | 21437 | Needles (six).....                                                                                                                |
| 120378 | 4926  | Screw Driver (machine).....                                                                                                       |
| 2518   | 4926  | " " (shuttle tension).....                                                                                                        |
| 36583  | 4942  | Shuttle Bobbin (five).....                                                                                                        |
| 120306 | ---   | Tucker.....                                                                                                                       |
|        |       | Attachment Set complete, Nos. 25527,<br>25537, 25626 to 25629, 26319, 36583,<br>50053B, 120378, five 2518 and six<br>needles..... |

## BIAS GAUGE

| NO.   | PLATE | NAME            |
|-------|-------|-----------------|
| 25525 | 4958  | Bias Gauge..... |

## BRAIDER

| NO.   | PLATE | NAME               |
|-------|-------|--------------------|
| 25510 | 4958  | Braider.....       |
| 289B  | 4958  | " Thumb Screw..... |

## CORDER (Bow)

### FOR TOP CORDING

| NO.   | PLATE | NAME                                                           |
|-------|-------|----------------------------------------------------------------|
| 26398 | 1950  | Corder Bow.....                                                |
| 4604  | 21434 | " " Rivet..... per 100                                         |
| 25789 | 1950  | " " Tip.....                                                   |
| 25794 | 1950  | Presser Foot.....                                              |
| 26399 | 1950  | Corder Bow complete, Nos. 4604, 25789,<br>25794 and 26398..... |
| 190J  | 21434 | Corder Screw.....                                              |

## DARNING FOOT (Spring)

| NO.     | PLATE | NAME                                                          |
|---------|-------|---------------------------------------------------------------|
| 121091  | 21439 | Darning Foot.....                                             |
| *121125 | ---   | " " Guide.....                                                |
| *121126 | ---   | " " Shank.....                                                |
| 121092  | 21439 | " " " 121126 with 121125                                      |
| 121093  | 21439 | " " Spring.....                                               |
| 121094  | 21439 | Darning Foot (spring) complete, Nos.<br>121091 to 121093..... |

## EMBROIDERY ATTACHMENT

### FOR ONE THREAD

| NO.    | PLATE | NAME                                                                                                                                                  |
|--------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| 120876 | 4938  | Driving Lever with 120877 and two 9859...                                                                                                             |
| 22232  | 4938  | " " Friction Washer.....                                                                                                                              |
| 26784  | 4938  | " " Hinge Stud.....                                                                                                                                   |
| 26523  | 4938  | " " Washer.....                                                                                                                                       |
| 26524  | 4938  | Frame with 26525.....                                                                                                                                 |
| 26525  | 4938  | " Block.....                                                                                                                                          |
| 26527  | 4938  | Looper.....                                                                                                                                           |
| 468c   | 4938  | " Set Screw.....                                                                                                                                      |
| 26528  | 4938  | Scroll with 468c.....                                                                                                                                 |
| 26529  | 4938  | " Carrier with 26531.....                                                                                                                             |
| 22232  | 4938  | " " Friction Washer.....                                                                                                                              |
| 26530  | 4938  | " " Hinge Stud.....                                                                                                                                   |
| 26531  | 4938  | " " Pin.....                                                                                                                                          |
| 26532  | 4938  | " Cover.....                                                                                                                                          |
| 26533  | 4938  | " Driving Lever with 26534.....                                                                                                                       |
| 26534  | 4938  | " " Stud.....                                                                                                                                         |
| 26535  | 4938  | Spool Pin, for Arm of Machine.....                                                                                                                    |
| 120877 | 4938  | Thread Bracket.....                                                                                                                                   |
| 9859   | 4938  | " " Rivet..... per 100                                                                                                                                |
| 26537  | 4938  | " Eyelet.....                                                                                                                                         |
| 26785  | 4938  | " Retaining Spring.....                                                                                                                               |
| 240J   | 4938  | " " " Screw.....                                                                                                                                      |
| 26538  | 4940  | Embroidery Attachment complete, Nos.<br>240J, 26523, 26524, 26527 to 26530, 26532,<br>26533, 26535, 26537, 26784, 26785, 120876<br>and two 22232..... |

## EMBROIDERY ATTACHMENT

### FOR TWO THREADS

| NO.   | PLATE | NAME                   |
|-------|-------|------------------------|
| 35483 | 4937  | Body.....              |
| 35484 | 4937  | " Block.....           |
| 12152 | 4937  | " " Rivet..... per 100 |
| 35485 | 4937  | Driving Lever.....     |
| 35486 | 4937  | " " Arm (lower).....   |
| 35487 | 4937  | " " " (upper).....     |
| 35488 | 4937  | " " Guide.....         |
| 35489 | 4937  | " " Hinge Stud.....    |
| 35490 | 4937  | " " Spring.....        |
| 35491 | 4937  | " " Hinge Stud.....    |

| NO.    | PLATE | NAME                                                                                                            |
|--------|-------|-----------------------------------------------------------------------------------------------------------------|
| 35492  | 4937  | Thread Carrier (left).....                                                                                      |
| 35493  | 4937  | " " " Hinge Stud.....                                                                                           |
| 35494  | 4937  | " " (right).....                                                                                                |
| 50139B | 4937  | " " " Hinge Screw.....                                                                                          |
| 35495  | 4937  | " " " Friction Plate.....                                                                                       |
| 35496  | 4937  | Embroidery Attachment, Nos. 190B, 12152,<br>35483 to 35488, 35490 to 35495, 35498,<br>50139B and two 35489..... |
| 190B   | 21434 | Embroidery Attachment Screw.....                                                                                |
| 35497  | 4936  | Spool Bracket.....                                                                                              |
| 35498  | 4936  | " " Stud.....                                                                                                   |
| 1422B  | 4936  | " " Tension Regulating Thumb<br>Screw.....                                                                      |
| 35499  | 4936  | Spool Bracket Tension Spring.....                                                                               |
| 35500  | 4936  | " " " " Position Pin.....                                                                                       |
| 35500  | 4936  | " " Thread Guide Pin.....                                                                                       |
| 35501  | 4936  | " " Wire.....                                                                                                   |
| 35502  | 4936  | " " " Hinge Stud.....                                                                                           |
| 35503  | 4936  | " " " " Washer..                                                                                                |
| 35504  | 4936  | Spool Bracket complete, Nos. 1422B, 35497,<br>35499, 35502, 35503 and two each 35500<br>and 35501.....          |
| 35505  | —     | Embroidery Attachment complete, Nos.<br>35496 and 35504.....                                                    |

## EDGE STITCHER

| NO.   | PLATE | NAME               |
|-------|-------|--------------------|
| 36865 | 21437 | Edge Stitcher..... |

## FELLER (Foot)

| NO.   | PLATE | NAME               |
|-------|-------|--------------------|
| 36835 | 21439 | Feller (foot)..... |

## FEED COVER PLATE

| NO.   | PLATE | NAME                  |
|-------|-------|-----------------------|
| 15359 | 21439 | Feed Cover Plate..... |

## HEMMER (Foot)

| NO.    | PLATE | NAME                                         |
|--------|-------|----------------------------------------------|
| 120842 | 21433 | Hemmer (foot) for $\frac{3}{4}$ in. hem..... |
| 35857  | 21433 | " " " $\frac{1}{8}$ in. hem.....             |
| 25893  | 21433 | " " " $\frac{1}{4}$ in. hem.....             |

## HEMSTITCHER

| NO.    | PLATE | NAME                                      |
|--------|-------|-------------------------------------------|
| 120687 | 21439 | Hemstitcher with Yielding Presser Plate.. |

## NEEDLE THREADERS

| NO.    | PLATE | NAME                                                                                                       |
|--------|-------|------------------------------------------------------------------------------------------------------------|
| 36803  | —     | Needle Threader Body.....                                                                                  |
| 36804  | —     | " " Hook for 36806.....                                                                                    |
| 120327 | 4926  | " " " " 120328.....                                                                                        |
| *36805 | —     | " " " Ring.....                                                                                            |
| 50315J | 4926  | " " " Screw.....                                                                                           |
| 120328 | 4926  | Needle Threader complete for No. 9 Needle,<br>Nos. 36803, 36805, 50315J and three<br>120327.....           |
| 36806  | —     | Needle Threader complete for No. 11 Needle<br>and above, Nos. 36803, 36805, 50315J<br>and three 36804..... |

## PRESSER FEET

| NO.    | PLATE | NAME                                                                                               |
|--------|-------|----------------------------------------------------------------------------------------------------|
| 15429  | 4974  | Presser Foot (needle hole on right hand<br>side) for stitching on edge and inserting<br>braid..... |
| 125035 | 4974  | Presser Foot (needle hole on left hand<br>side) for stitching on edge and inserting<br>braid.....  |
| 36055  | 4974  | Presser Foot with 665B and 36056, for<br>blind stitch braiding, for soutache braid                 |
| 36056  | 4974  | Presser Foot Braid Guide.....                                                                      |

NOTE: When ordering No. 36055 or 36056, send sample  
of braid for which it is to be used.

|       |      |                                                                            |
|-------|------|----------------------------------------------------------------------------|
| 665B  | 4974 | Presser Foot Braid Guide Screw.....                                        |
| 36058 | 4974 | " " with 665B and 36059, for<br>blind stitch cording, to turn small curves |
| 36059 | 4974 | Presser Foot Cord Guide.....                                               |

NOTE: When ordering No. 36058 or 36059, send sample  
of cord for which it is to be used.

|      |      |                                             |
|------|------|---------------------------------------------|
| 665B | 4974 | Presser Foot Cord Guide Screw.....          |
| 2506 | 4974 | Feed Dog for 2831, for 36058.....           |
| 2831 | 4974 | Throat Plate, large needle hole, for 2506.. |

| NO.   | PLATE | NAME                                                                                                      |
|-------|-------|-----------------------------------------------------------------------------------------------------------|
| 36067 | 4974  | Presser Foot, for braiding, for art work,<br>for braid $\frac{1}{16}$ in. to $\frac{3}{16}$ in. wide..... |

NOTE: When ordering No. 36067, state the size or send sample of the braid for which it is to be used.

|       |       |                                             |
|-------|-------|---------------------------------------------|
| 25978 | 4926  | Presser Foot (single toe) for gathering.... |
| 25979 | 21439 | " " (double toe) for gathering...           |

## QUILTER

| NO.   | PLATE | NAME         |
|-------|-------|--------------|
| 35932 | 4940  | Quilter..... |

## RUFFLER

| NO.    | PLATE | NAME                                             |
|--------|-------|--------------------------------------------------|
| 120598 | 4942  | Ruffler for one, six and twelve stitch ruffling. |

## TUBULAR TRIMMING ATTACHMENT

| NO.    | PLATE | NAME                                                                                                                                                             |
|--------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 120824 | 4958  | Strip Wire.....                                                                                                                                                  |
| 35984  | 4958  | Presser Foot (strip folding) with tube....                                                                                                                       |
| 35018  | 4940  | Strip Delivery Blade.....                                                                                                                                        |
| 35985  | —     | Tubular Trimming Attachment complete,<br>for making $\frac{1}{32}$ in., $\frac{1}{8}$ in. and $\frac{3}{32}$ in. trim-<br>mings, Nos. 35018, 35984 and 120824... |

## UNDER BRAIDERS

| NO.   | PLATE | NAME               |
|-------|-------|--------------------|
| 25636 | 21433 | Under Braider..... |
| 25637 | 21433 | " " Foot.....      |
| 35940 | 4940  | " " .....          |

## BOBBIN WINDER (Automatic)

### FOR BALANCE WHEEL NO. 15282

| NO.    | PLATE | NAME                            |
|--------|-------|---------------------------------|
| 15376  | 21435 | Adjusting Arm.....              |
| 50058B | 21435 | " " Screw.....                  |
| 15072  | 21435 | Bobbin Position Pin.....per 100 |

| NO.    | PLATE | NAME                                                                                                                                                                             |
|--------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 125090 | 21437 | Bracket (belt cover) with 125334.....                                                                                                                                            |
| 180B   | 21437 | " Screw.....                                                                                                                                                                     |
| 15413  | 21435 | Frame.....                                                                                                                                                                       |
| 50059B | 21435 | " Hinge Screw.....                                                                                                                                                               |
| 15286  | 21435 | " Spring.....                                                                                                                                                                    |
| 15287  | 21435 | Friction Ring (rubber).....                                                                                                                                                      |
| 15288  | 21435 | Pulley.....                                                                                                                                                                      |
| 15289  | 4926  | Spindle with 15072.....                                                                                                                                                          |
| 571c   | 21435 | " Worm.....                                                                                                                                                                      |
| 15377  | 21435 | Stop Latch.....                                                                                                                                                                  |
| 50230B | 21435 | " " Hinge Screw.....                                                                                                                                                             |
| 15291  | 21435 | " " Spring.....                                                                                                                                                                  |
| 15418  | 21435 | Thread Guide.....                                                                                                                                                                |
| 50061B | 21435 | " " Hinge Screw.....                                                                                                                                                             |
| 15366  | 21435 | " " Spring.....                                                                                                                                                                  |
| 15416  | 21435 | Worm Wheel and Thread Guide Cam.....                                                                                                                                             |
| 2749   | 21435 | " " " " " " Fric-<br>tion Washer.....                                                                                                                                            |
| 50B    | 21435 | Worm Wheel and Thread Guide Cam<br>Screw Stud.....                                                                                                                               |
| 1528J  | 21435 | Worm Wheel and Thread Guide Cam<br>Screw Stud Nut.....                                                                                                                           |
| 125091 | 21436 | Bobbin Winder complete, Nos. 50B, 571c,<br>1528J, 2749, 15286 to 15289, 15291, 15366,<br>15376, 15377, 15413, 15416, 15418,<br>50058B, 50059B, 50061B, 50230B and<br>125090..... |

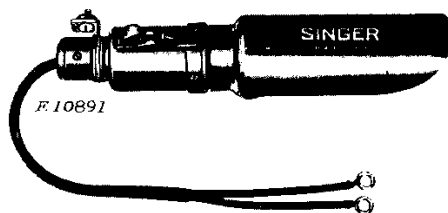
## BOBBIN WINDER (Automatic)

### FOR BALANCE WHEEL NO. 32672

This Bobbin Winder is the same as 125091,  
with the following exceptions:

| NO.    | PLATE | NAME                                                                                                                                                                                                 |
|--------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 125093 | 21440 | Bracket (belt cover) with 125334, in place<br>of 125090.....                                                                                                                                         |
| 125094 | —     | Bobbin Winder complete, Nos. 50B, 571c,<br>1528J, 2749, 15286 to 15289, 15291,<br>15366, 15376, 15377, 15413, 15416,<br>15418, 50058B, 50059B, 50061B, 50230B<br>and 125093, in place of 125091..... |

# SINGERLIGHTS



## SINGERLIGHT No. 193294

### FOR MACHINE NO. 15-87

| NO.     | PLATE | NAME                                                                      |
|---------|-------|---------------------------------------------------------------------------|
| *193495 | —     | Singerlight Bracket.....                                                  |
| 193941  | 21441 | " " 193495 with 193942.                                                   |
| *193254 | 21441 | " Lamp Contact Lead Terminal                                              |
| 51203   | 21442 | " " " " "                                                                 |
|         |       | Screw (brass).....                                                        |
| *193253 | 21441 | Singerlight Lamp Contact Plunger.....                                     |
| *193251 | 21441 | " " " " Bushing.....                                                      |
| *193252 | 21441 | Singerlight Lamp Contact Plunger Spring                                   |
| *193288 | —     | " Lead.....                                                               |
| 193829  | 21441 | " " Strain Relief Disc.....                                               |
| *192954 | —     | " " Terminal Clip Body....                                                |
| *192955 | —     | " " " " " Cap                                                             |
| 50566   | 21442 | " " " " Screw (brass)                                                     |
| 193289  | 21443 | Singerlight Lead complete, Nos. 193288 and two each 192954 and 192955.... |
| 193940  | 21442 | Singerlight Nipple.....                                                   |
| *193937 | —     | " " Cap with 193938.....                                                  |
| 193936  | 21442 | " " " 193937 with 50564J                                                  |
| *193938 | —     | " " " Insert.....                                                         |
| 50564J  | 21442 | " " " Set Screw.....                                                      |
| 193512  | 21442 | " " Insulating Collar.....                                                |
| 51602R  | 21442 | " " Nut.....                                                              |
| 701909  | 21442 | " " Insulating Washer (fibre).....                                        |
| 193509  | 21442 | Singerlight Nipple Washer (felt).....                                     |
| 193272  | 21444 | " Shade.....                                                              |
| 193421  | —     | " " 193272 with 193401...                                                 |
| 193437  | 21442 | " " Friction Washer.....                                                  |

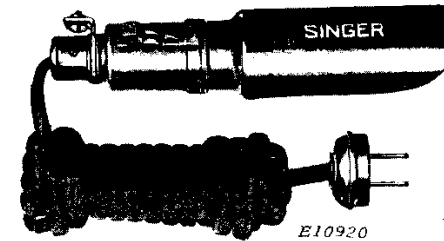
# SINGERLIGHTS

| NO.     | PLATE | NAME                                                                                                                  |
|---------|-------|-----------------------------------------------------------------------------------------------------------------------|
| *193267 | 21441 | Singerlight Shade Position Pin.....                                                                                   |
| 193401  | 21444 | " " Reflector.....                                                                                                    |
| *193249 | 21444 | " Socket Body with 193255 and two each 193251 and 193267.....                                                         |
| *193817 | —     | Singerlight Socket Body 193249 with 51202, 193254, 193256 to 193258, 193818, two each 51203, 193252 and 193253.....   |
| *193816 | —     | Singerlight Socket Body 193817 with 193999.....                                                                       |
| 193815  | 21444 | Singerlight Socket and Switch complete, Nos. 193816, 193829, 193936, two 50566 and three 51385R.....                  |
| *193942 | 21441 | Singerlight Steady Pin.....                                                                                           |
| *193259 | 21441 | " Toggle Switch Contact.....                                                                                          |
| *193796 | 21441 | " " " Cover Plate                                                                                                     |
| *193797 | 21441 | " " " " " "                                                                                                           |
|         |       | Insulating Plate.....                                                                                                 |
| *193386 | 21441 | Singerlight Toggle Switch Frame.....                                                                                  |
| 51202   | 21442 | " " " " Screw (brass).....                                                                                            |
| *193794 | 21441 | Singerlight Toggle Switch Handle with 193795.....                                                                     |
| *193795 | 21441 | Singerlight Toggle Switch Operating Lever                                                                             |
| *193265 | 21441 | " " " " " "                                                                                                           |
|         |       | Hinge Pin.....                                                                                                        |
| *193818 | —     | Singerlight Toggle Switch complete, Nos. 193259, 193262, 193265, 193386, 193387, 193765, 193794, 193796 and 193797... |
| *194032 | 21444 | Singerlight Toggle Switch Shell.....                                                                                  |
| *193999 | —     | " " " " 194032 with 51602R, 193512 and 193940.....                                                                    |
| 51385R  | 21442 | Singerlight Toggle Switch Shell Screw...                                                                              |
| *193258 | 21441 | " " " Spring Contact (left).....                                                                                      |
| *193257 | 21441 | Singerlight Toggle Switch Spring Contact (right).....                                                                 |
| 51203   | 21442 | Singerlight Toggle Switch Spring Contact (right) Screw (brass).....                                                   |
| *193256 | 21441 | Singerlight Toggle Switch Spring Contact Lead Terminal.....                                                           |
| *193255 | 21441 | Singerlight Toggle Switch Spring Contact Lead Terminal Stud.....                                                      |
| *193387 | 21441 | Singerlight Toggle Switch Toggle Lever                                                                                |
| *193262 | 21441 | " " " " " " Spring.....                                                                                               |

| NO.     | PLATE | NAME                                                                                                                            |
|---------|-------|---------------------------------------------------------------------------------------------------------------------------------|
| *193765 | 21441 | Singerlight Toggle Switch Toggle Lever Spring Washer.....                                                                       |
| 193294  | —     | Singerlight (moulded, less lamp) complete, Nos. 691A, 97359, 193289, 193421, 193437, 193815, 193941, 701909 and two 193509..... |
| 691A    | 21442 | Singerlight Screw.....                                                                                                          |
| 97359   | 21442 | " " Retaining Washer (fibre).....per 100                                                                                        |

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

**SINGERLIGHT No. 193518**

FOR MACHINE NO. 15-86

This Singerlight is the same as 193294,  
with the following exceptions:

| NO.     | PLATE | NAME                                                                                                                            |
|---------|-------|---------------------------------------------------------------------------------------------------------------------------------|
| *193439 | —     | Singerlight Lead Cord (8 ft. long) in place of 193288.....                                                                      |
| 194022  | 21445 | Singerlight Lead Cord (8 ft. long) and Plug complete, Nos. 192542 and 193439, in place of 193289.....                           |
| 192542  | 4966  | Singerlight Lead Cord Plug Cap with 192543.....                                                                                 |
| 192543  | 4966  | Singerlight Lead Cord Plug Flash Disc (fibre).....                                                                              |
| 193518  | —     | Singerlight (moulded, less lamp) complete, Nos. 691A, 97359, 193421, 193437, 193815, 193941, 194022, 701909 and two 193509..... |

**SINGERLIGHT LAMP**

| NO.    | PLATE | NAME                  |
|--------|-------|-----------------------|
| 194120 | 21444 | Singerlight Lamp..... |

NOTE: When ordering No. 194120, state voltage required:  
We are prepared to furnish the following voltages:

32  
50  
110 to 120  
200 to 220  
230 to 250

| NO.   | PLATE | NAME                                                                              |
|-------|-------|-----------------------------------------------------------------------------------|
| 453c  | 21434 | Presser Bar Spring Bracket Set Screw for 2068.....                                |
| 462c  | 21434 | Clamp Stop Motion Flange Bushing Set Screw for 15313.....                         |
| 462c  | 21434 | Oscillating Shaft Crank Set Screw for 125059.....                                 |
| 462c  | 21434 | Shuttle Driver Set Screw for 125092....                                           |
| 468c  | 4938  | Embroidery Attachment Looper Set Screw for 26528.....                             |
| 552c  | 21429 | Needle Clamp Thumb Screw for 2054...                                              |
| 570c  | 21429 | " Bar Connecting Link Hinge Screw for 15434.....                                  |
| 571c  | 21435 | Bobbin Winder Spindle Worm for 125091 and 125094.....                             |
| 591f  | 21431 | Shuttle Tension Regulating Screw for 15277.....                                   |
| 592E  | 21431 | Shuttle Bobbin Case Latch Stop Screw for 15277.....                               |
| 602j  | 20162 | Controller Resistance Unit Cover Screw for 193646 to 193648.....                  |
| 602j  | 20162 | Knee Lever Slide Cover Screw for 193654                                           |
| 648j  | 21434 | Shuttle Race Back Spring Screw for 2528                                           |
| 662j  | 21434 | " " Cap Screw for 15420.....                                                      |
| 665B  | 4974  | Presser Foot Braid Guide Screw for 36055                                          |
| 665B  | 4974  | " " Cord Guide Screw for 36058                                                    |
| 691A  | 21442 | Singerlight Screw for 193294 and 193518.                                          |
| 691A  | 21434 | Throat Plate Screw.....                                                           |
| 792R  | 20162 | Controller Screw for 193745 to 193747, for Stands Nos. 46909, 46912 and 46913     |
| 857B  | 4918  | Thread Take-up Spring Regulator Set Screw for 15432.....                          |
| 896E  | 21434 | Crank Connecting Rod Cap Screw for 125021.....                                    |
| 1085E | 21434 | Feed Forked Connection Slide Block Screw Stud for 125335.....                     |
| 1285c | 21434 | Feed Cam and Counterbalance Position Screw for 125045.....                        |
| 1293c | 21434 | Thread Take-up Cam Position Screw for 15272.....                                  |
| 1381c | 21434 | Feed Forked Connection Hinge Screw (eccentric).....                               |
| 1422B | 4936  | Embroidery Attachment Spool Bracket Tension Regulating Thumb Screw for 35504..... |
| 1498c | 21429 | Needle Bar Bushing Set Screw.....                                                 |
| 1513j | 21434 | Feed Lifting Rock Shaft Screw Center Nut for 56814.....                           |

| NO.   | PLATE | NAME                                                                                    |
|-------|-------|-----------------------------------------------------------------------------------------|
| 1513j | 21434 | Feed Rock Shaft Screw Center Nut for 56814.....                                         |
| 1513j | 21434 | Oscillating Rock Shaft Screw Center Nut for 56814.....                                  |
| 1518j | 21434 | Crank Connecting Rod Hinge Screw Nut                                                    |
| 1519j | 21434 | Feed Bar Screw Center Nut for 15445..                                                   |
| 1520j | 21434 | " Forked Connection Hinge Screw Nut.....                                                |
| 1520j | 21434 | Needle Bar Connecting Link Hinge Screw Nut for 15434.....                               |
| 1528j | 21435 | Bobbin Winder Worm Wheel and Thread Guide Cam Screw Stud Nut for 125091 and 125094..... |
| 1549j | 20162 | Knee Lever Extension Hinge Screw Nut for 193662.....                                    |
| 1549R | 20162 | Controller Bracket Screw Nut for 193827                                                 |
| 1560B | 21431 | Tension Regulating Thumb Nut for 15471                                                  |
| 1607j | 21362 | Controller Resistance Unit Bell Crank Hinge Screw Nut for 194027.....                   |
| 1607j | 21362 | Controller Resistance Unit Yoke Hinge Screw Nut for 194027.....                         |
| 1708j | 20162 | Controller Resistance Unit Bell Crank Hinge Screw Nut for 193654.....                   |
| 1768R | 21362 | Three-Pin Terminal (female half) Housing Screw Nut for 192989.....                      |
| 1813  | 21426 | Feed Lifting Rock Shaft Crank Roller and Stud for 2509.....                             |
| 1822  | 21431 | Thread Take-up Lever Roller and Stud for 15491.....                                     |
| 2002  | 21434 | Arm Dowel Pin.....                                                                      |
| 2007  | 21426 | " Spool Pin.....                                                                        |
| 2020  | 21426 | Clamp Stop Motion Clamp Washer for 15314.....                                           |
| 2022  | 21426 | Clamp Stop Motion Flange Bushing Pin..                                                  |
| 2049  | 21431 | Oscillating Shaft Crank Pin.....                                                        |
| 2049  | 21431 | Shuttle Driver Pin.....                                                                 |
| 2052  | 21429 | Needle Bar Connecting Stud with 155c...                                                 |
| 2054  | 21429 | " Clamp with 552c.....                                                                  |
| 2068  | 21426 | Presser Bar Spring Bracket with 453c....                                                |
| 2070  | 21429 | " " " Washer.....                                                                       |
| 2102  | 21431 | Tension Disc for 15471.....                                                             |
| 2506  | 4974  | Feed Dog for 2831, for 36058.....                                                       |
| 2509  | 21426 | " Lifting Rock Shaft Crank with 157j and 1813, for 2836.....                            |
| 2510  | 21427 | Oscillating Shaft.....                                                                  |
| 2515  | 21431 | Shuttle Body for 125018.....                                                            |
| 2518  | 4926  | " Bobbin for 120306 and 125018..                                                        |

## NUMERICAL LIST OF PARTS

| NO.   | PLATE | NAME                                                                                     |
|-------|-------|------------------------------------------------------------------------------------------|
| 2523  | 21431 | Shuttle Bobbin Case Position Finger Rivet for 15277.....per 100                          |
| 2528  | 21430 | Shuttle Race complete, Nos. 648J, 2531, 15420, 125080 and two 2532.....                  |
| 2530  | —     | Shuttle Race Body for 15420.....                                                         |
| 2531  | 21430 | “ “ Back for 2528.....                                                                   |
| 2532  | 21434 | “ “ “ Position Pin for 2528.....per 100                                                  |
| 2535  | 21430 | Shuttle Race Cap for 15420.....                                                          |
| 2749  | 21435 | Bobbin Winder Worm Wheel and Thread Guide Cam Friction Washer for 125091 and 125094..... |
| *2805 | —     | Bed.....                                                                                 |
| 2816  | 21427 | Feed Lifting Rock Shaft for 2836.....                                                    |
| 2824  | 21432 | Shuttle Race Slide Spring for 15147.....                                                 |
| 2827  | 21431 | Face Plate Thread Guard with 8505, for 15432.....                                        |
| 2831  | 4974  | Throat Plate, large needle hole, for 2506.....                                           |
| 2835  | 21427 | Feed Bar.....                                                                            |
| 2836  | —     | Feed Lifting Rock Shaft complete, Nos. 2509 and 2816.....                                |
| 2973  | 21431 | Shuttle Bobbin Case Latch Lever for 15141.....                                           |
| 2974  | 21431 | Shuttle Bobbin Case Latch Lever Fulcrum Pin for 15141.....per 100                        |
| 2975  | 21431 | Shuttle Bobbin Case Latch Spring for 15277.....                                          |
| 4604  | 21434 | Corder Bow Rivet for 26399.....per 100                                                   |
| 5790  | 20162 | Controller Resistance Unit Adjusting Nut Stop Pin for 193650.....per 100                 |
| 8217  | 4918  | Feed Regulator Friction Washer.....                                                      |
| 8399  | 21429 | Presser Bar Spring.....                                                                  |
| 8505  | 21434 | Face Plate Thread Guard Rivet for 2827, .....per 100                                     |
| 8879  | 21426 | Arm Spool Pin Washer (cloth).....                                                        |
| 9859  | 4938  | Embroidery Attachment Thread Bracket Rivet for 120876.....per 100                        |
| 12152 | 4937  | Embroidery Attachment Body Block Rivet for 35496.....per 100                             |
| 13710 | 4918  | Tension Spring for 15471.....                                                            |
| 15027 | 21431 | Shuttle Bobbin Case Position Finger for 15277.....                                       |
| 15072 | 21435 | Bobbin Winder Bobbin Position Pin for 15289.....per 100                                  |
| 15140 | 21431 | Shuttle Bobbin Case Latch for 15141.....                                                 |
| 15141 | —     | “ “ “ Hinge for 15277, Nos. 2973, 2974 and 15140.....                                    |

## NUMERICAL LIST OF PARTS

| NO.                                       | PLATE | NAME                                                                                                                    |
|-------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------|
| 15147                                     | —     | Shuttle Race Slide complete, Nos. 2824, 15188 and two 50216J.....                                                       |
| *15170                                    | —     | Oscillating Shaft Crank Slide Block for 125330.....                                                                     |
| 15188                                     | 21432 | Shuttle Race Slide for 15147.....                                                                                       |
| 15238                                     | 21431 | Tension Releasing Pin for 15471.....                                                                                    |
| *15248                                    | 21429 | Needle Bar Connecting Link with 51002E, for 15374.....                                                                  |
| 15272                                     | 21427 | Thread Take-up Cam with 1293c, for 15434.....                                                                           |
| 15277                                     | 21431 | Shuttle Bobbin Case complete for 125018, Nos. 591F, 592E, 2523, 2975, 15027, 15141, 15278 and 62739.....                |
| 15278                                     | 21431 | Shuttle Tension Spring for 15277.....                                                                                   |
| 15279                                     | 21432 | Feed Dog, 12 teeth (14 teeth to the inch) three teeth at right of needle, square corner, for 15280, 15316 and 15317.... |
| 15280                                     | 21432 | Throat Plate, medium needle hole, for 15279.....                                                                        |
| 15282                                     | 21428 | Balance Wheel, 2¼ in. pulley, for 15-86 Machine.....                                                                    |
| Nos. 15286 TO 15289 FOR 125091 AND 125094 |       |                                                                                                                         |
| 15286                                     | 21435 | Bobbin Winder Frame Spring.....                                                                                         |
| 15287                                     | 21435 | “ “ Friction Ring (rubber).....                                                                                         |
| 15288                                     | 21435 | “ “ Pulley.....                                                                                                         |
| 15289                                     | 4926  | “ “ Spindle with 15072.....                                                                                             |
| 15291                                     | 21435 | “ “ Stop Latch Spring for 125091 and 125094.....                                                                        |
| 15297                                     | 21427 | Feed Rock Shaft.....                                                                                                    |
| *15312                                    | —     | Clamp Stop Motion Flanged Bushing for 15313.....                                                                        |
| 15313                                     | 21426 | Clamp Stop Motion Flanged Bushing 15312 with two 462c, for 15314.....                                                   |
| 15314                                     | —     | Clamp Stop Motion complete, Nos. 248A, 256B, 2020 and 15313.....                                                        |
| 15316                                     | 21433 | Throat Plate, large needle hole, for 15279                                                                              |
| 15317                                     | 21433 | “ “ small needle hole, for 15279                                                                                        |
| 15359                                     | 21439 | Feed Cover Plate.....                                                                                                   |
| 15366                                     | 21435 | Bobbin Winder Thread Guide Spring for 125091 and 125094.....                                                            |
| 15374                                     | —     | Needle Bar Connecting Link 15248 with 2052.....                                                                         |
| 15376                                     | 21435 | Bobbin Winder Adjusting Arm for 125091 and 125094.....                                                                  |
| 15377                                     | 21435 | Bobbin Winder Stop Latch for 125091 and 125094.....                                                                     |

| NO.    | PLATE | NAME                                                                                                                   |
|--------|-------|------------------------------------------------------------------------------------------------------------------------|
| 15395  | 4918  | Tension Thread Guard for 15428.....                                                                                    |
| *15404 | —     | Trade Mark for 125083.....                                                                                             |
| 15405  | 21434 | “ “ Rivet for 125083.....                                                                                              |
| *15406 | —     | Face Plate for 15407.....                                                                                              |
| *15407 | —     | “ “ 15406 with 15428, for 15432..                                                                                      |
| 15408  | —     | “ “ Tension Seat for 15428.....                                                                                        |
| 15410  | 4918  | Tension Stud Bushing for 15432.....                                                                                    |
| 15412  | 4918  | Thread Take-up Spring Regulator for<br>15432.....                                                                      |
| 15413  | 21435 | Bobbin Winder Frame for 125091 and<br>125094.....                                                                      |
| 15416  | 21435 | Bobbin Winder Worm Wheel and Thread<br>Guide Cam for 125091 and 125094....                                             |
| 15418  | 21435 | Bobbin Winder Thread Guide for 125091<br>and 125094.....                                                               |
| 15420  | —     | Shuttle Race Body 2530 with 2535 and<br>two 662j, for 2528.....                                                        |
| 15427  | 21428 | Arm Side Cover.....                                                                                                    |
| 15428  | —     | Face Plate Tension Seat 15408 with<br>15395, for 15407.....                                                            |
| 15429  | 4974  | Presser Foot (needle hole on right hand<br>side) for stitching on edge and inserting<br>braid.....                     |
| 15432  | 21428 | Face Plate 15407 with 857b, 2827, 15410,<br>15412 and 50292b, for 55644.....                                           |
| *15434 | —     | Thread Take-up Cam 15272 with 570c<br>and 1520j, for 125084.....                                                       |
| 15445  | —     | Feed Bar Screw Center 315c with 1519j..                                                                                |
| 15471  | —     | Tension complete for 55644, Nos. 1560b,<br>13710, 15238, 32572, 50291w, 55645<br>and two 2102.....                     |
| 15486  | 21429 | Presser Bar Lifter Hinge Stud for 125083                                                                               |
| *15491 | 21431 | Thread Take-up Lever with 1822, for<br>15492.....                                                                      |
| 15492  | —     | Thread Take-up Lever 15491 with 50527c                                                                                 |
| 15498  | 21427 | Arm Shaft Bushing for 125083 and 125084                                                                                |
| 22232  | 4938  | Embroidery Attachment Driving Lever<br>Friction Washer for 26538.....                                                  |
| 22232  | 4938  | Embroidery Attachment Scroll Carrier<br>Friction Washer for 26538.....                                                 |
| 23258  | 21362 | Controller Resistance Unit Screw Washer<br>(steel) for 192862 to 192864, 193646 to<br>193648 and 193851 to 193853..... |
| 25510  | 4958  | Braider.....                                                                                                           |
| 25525  | 4958  | Bias Gauge.....                                                                                                        |
| 25527  | 21439 | Cloth Guide for 120306.....                                                                                            |
| 25537  | 21437 | Screw Driver (machine) for 120306.....                                                                                 |

| NO.                            | PLATE | NAME                                                                                                                                                              |
|--------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Nos. 25626 to 25629 FOR 120306 |       |                                                                                                                                                                   |
| 25626                          | 21438 | Hemmer for $\frac{3}{8}$ in. hem.....                                                                                                                             |
| 25627                          | 21438 | “ “ $\frac{1}{4}$ in. hem.....                                                                                                                                    |
| 25628                          | 21438 | “ “ $\frac{3}{8}$ in. hem.....                                                                                                                                    |
| 25629                          | 21438 | “ “ $\frac{3}{8}$ in. hem.....                                                                                                                                    |
| 25636                          | 21433 | Under Braider.....                                                                                                                                                |
| 25637                          | 21433 | “ “ Foot.....                                                                                                                                                     |
| 25789                          | 1950  | Corder Bow Tip for 26399.....                                                                                                                                     |
| 25794                          | 1950  | Presser Foot for 26399.....                                                                                                                                       |
| 25893                          | 21433 | Hemmer (foot) for $\frac{1}{4}$ in. hem.....                                                                                                                      |
| 25978                          | 4926  | Presser Foot (single toe) for gathering...                                                                                                                        |
| 25979                          | 21439 | “ “ (double toe) for gathering..                                                                                                                                  |
| 26075                          | 4926  | Thread Cutter and Holder.....                                                                                                                                     |
| 26319                          | 21438 | Binder for 120306.....                                                                                                                                            |
| 26398                          | 1950  | Corder Bow for 26399.....                                                                                                                                         |
| 26399                          | 1950  | Corder Bow complete for top cording,<br>Nos. 4604, 25789, 25794 and 26398...                                                                                      |
| 26523                          | 4938  | Embroidery Attachment Driving Lever<br>Washer for 26538.....                                                                                                      |
| 26524                          | 4938  | Embroidery Attachment Frame with<br>26525, for 26538.....                                                                                                         |
| 26525                          | 4938  | Embroidery Attachment Frame Block<br>for 26524.....                                                                                                               |
| Nos. 26527 to 26530 FOR 26538  |       |                                                                                                                                                                   |
| 26527                          | 4938  | Embroidery Attachment Looper.....                                                                                                                                 |
| 26528                          | 4938  | “ “ Scroll with 468c                                                                                                                                              |
| 26529                          | 4938  | “ “ “ Carrier<br>with 26531.....                                                                                                                                  |
| 26530                          | 4938  | Embroidery Attachment Scroll Carrier<br>Hinge Stud.....                                                                                                           |
| 26531                          | 4938  | Embroidery Attachment Scroll Carrier<br>Pin for 26529.....                                                                                                        |
| 26532                          | 4938  | Embroidery Attachment Scroll Cover for<br>26538.....                                                                                                              |
| 26533                          | 4938  | Embroidery Attachment Scroll Driving<br>Lever with 26534, for 26538.....                                                                                          |
| 26534                          | 4938  | Embroidery Attachment Scroll Driving<br>Lever Stud for 26533.....                                                                                                 |
| 26535                          | 4938  | Embroidery Attachment Spool Pin for<br>Arm of Machine, for 26538.....                                                                                             |
| 26537                          | 4938  | Embroidery Attachment Thread Eyelet<br>for 26538.....                                                                                                             |
| 26538                          | 4940  | Embroidery Attachment complete for one<br>thread, Nos. 240j, 26523, 26524, 26527<br>to 26530, 26532, 26533, 26535, 26537,<br>26784, 26785, 120876 and two 22232., |

| NO.                           | PLATE | NAME                                                                                                             |
|-------------------------------|-------|------------------------------------------------------------------------------------------------------------------|
| 26784                         | 4938  | Embroidery Attachment Driving Lever Hinge Stud for 26538.....                                                    |
| 26785                         | 4938  | Embroidery Attachment Thread Retaining Spring for 26538.....                                                     |
| 32572                         | 21431 | Tension Releasing Disc for 15471.....                                                                            |
| 32672                         | 4951  | Balance Wheel, 3¼ in. pulley, for 15-87 Machine.....                                                             |
| 35018                         | 4940  | Strip Delivery Blade for 35985.....                                                                              |
| Nos. 35483 to 35495 for 35496 |       |                                                                                                                  |
| 35483                         | 4937  | Embroidery Attachment Body.....                                                                                  |
| 35484                         | 4937  | " " " " Block....                                                                                                |
| 35485                         | 4937  | " " " " Driving Lever                                                                                            |
| 35486                         | 4937  | " " " " " "                                                                                                      |
|                               |       | Arm (lower).....                                                                                                 |
| 35487                         | 4937  | Embroidery Attachment Driving Lever Arm (upper).....                                                             |
| 35488                         | 4937  | Embroidery Attachment Driving Lever Arm Guide.....                                                               |
| 35489                         | 4937  | Embroidery Attachment Driving Lever Arm Hinge Stud.....                                                          |
| 35490                         | 4937  | Embroidery Attachment Driving Lever Arm Spring.....                                                              |
| 35491                         | 4937  | Embroidery Attachment Driving Lever Hinge Stud.....                                                              |
| 35492                         | 4937  | Embroidery Attachment Thread Carrier (left).....                                                                 |
| 35493                         | 4937  | Embroidery Attachment Thread Carrier (left) Hinge Stud.....                                                      |
| 35494                         | 4937  | Embroidery Attachment Thread Carrier (right).....                                                                |
| 35495                         | 4937  | Embroidery Attachment Thread Carrier Friction Plate.....                                                         |
| 35496                         | 4937  | Embroidery Attachment for 35505, Nos. 190B, 12152, 35483 to 35488, 35490 to 35495, 35498, 50139B and two 35489.. |
| 35497                         | 4936  | Embroidery Attachment Spool Bracket for 35504.....                                                               |
| 35498                         | 4936  | Embroidery Attachment Spool Bracket Stud for 35496.....                                                          |
| Nos. 35499 to 35503 for 35504 |       |                                                                                                                  |
| 35499                         | 4936  | Embroidery Attachment Spool Bracket Tension Spring.....                                                          |
| 35500                         | 4936  | Embroidery Attachment Spool Bracket Tension Spring Position Pin.....                                             |
| 35500                         | 4936  | Embroidery Attachment Spool Bracket Thread Guide Pin.....                                                        |

| NO.    | PLATE | NAME                                                                                                                             |
|--------|-------|----------------------------------------------------------------------------------------------------------------------------------|
| 35501  | 4936  | Embroidery Attachment Spool Bracket Wire.....                                                                                    |
| 35502  | 4936  | Embroidery Attachment Spool Bracket Wire Hinge Stud.....                                                                         |
| 35503  | 4936  | Embroidery Attachment Spool Bracket Wire Hinge Stud Washer.....                                                                  |
| 35504  | 4936  | Embroidery Attachment Spool Bracket complete for 35505, Nos. 1422B, 35497, 35499, 35502, 35503 and two each 35500 and 35501..... |
| 35505  | —     | Embroidery Attachment complete for two threads, Nos. 35496 and 35504.....                                                        |
| 35857  | 21433 | Hemmer (foot) for ½ in. hem.....                                                                                                 |
| 35932  | 4940  | Quilter.....                                                                                                                     |
| 35940  | 4940  | Under Braider.....                                                                                                               |
| 35984  | 4958  | Presser Foot (strip folding) with tube for 35985.....                                                                            |
| 35985  | —     | Tubular Trimming Attachment complete, for making ⅜ in., ½ in. and ⅝ in. trimmings, Nos. 35018, 35984 and 120824..                |
| 36055  | 4974  | Presser Foot with 665B and 36056, for blind stitch braiding, for soutache braid                                                  |
| 36056  | 4974  | Presser Foot Braid Guide for 36055.....                                                                                          |
| 36058  | 4974  | " " with 665B and 36059, for blind stitch cording, to turn small curves.....                                                     |
| 36059  | 4974  | Presser Foot Cord Guide for 36058.....                                                                                           |
| 36067  | 4974  | " " for braiding, for art work, for braid ⅜ in. to ⅝ in. wide.....                                                               |
| 36569  | 21437 | Oiler with 36571, for 36570.....                                                                                                 |
| 36570  | —     | " 36569, filled with oil (Accessories) ..                                                                                        |
| 36571  | 21437 | " Spout, 1¼ in. long, with 36807, for 36569.....                                                                                 |
| 36583  | 4942  | Tucker for 120306.....                                                                                                           |
| 36648  | 21362 | Name Plate Rivet for 192824 to 192826, 193646 to 193648, 193745 to 193747 and 193851 to 193853..... per 100                      |
| 36803  | —     | Needle Threader Body for 36806 and 120328.....                                                                                   |
| 36804  | —     | Needle Threader Hook for 36806.....                                                                                              |
| *36805 | —     | " " " " Ring for 36806 and 120328.....                                                                                           |
| 36806  | —     | Needle Threader complete for No. 11 Needle and above, Nos. 36803, 36805, 50315J and three 36804.....                             |
| 36807  | 4926  | Oiler Spout Washer (leather) for 36571..                                                                                         |
| 36835  | 21439 | Feller (foot).....                                                                                                               |

| NO.    | PLATE | NAME                                                                                       |
|--------|-------|--------------------------------------------------------------------------------------------|
| 36865  | 21437 | Edge Stitcher.....                                                                         |
| 45319  | —     | Presser Foot Plate for 45321.....                                                          |
| 45320  | —     | “ “ Shank for 45321.....                                                                   |
| 45321  | 21432 | Presser Foot (hinged) complete, Nos.<br>45319, 45320 and 45329.....                        |
| 45329  | 21432 | Presser Foot Hinge Pin for 45321.....                                                      |
| 50053B | 4926  | Cloth Guide Thumb Screw for 120306...                                                      |
| 50058B | 21435 | Bobbin Winder Adjusting Arm Screw for<br>125091 and 125094.....                            |
| 50059B | 21435 | Bobbin Winder Frame Hinge Screw for<br>125091 and 125094.....                              |
| 50061B | 21435 | Bobbin Winder Thread Guide Hinge<br>Screw for 125091 and 125094.....                       |
| 50139B | 4937  | Embroidery Attachment Thread Carrier<br>(right) Hinge Screw for 35496.....                 |
| 50216J | 21434 | Shuttle Race Slide Spring Screw for 15147                                                  |
| 50230B | 21435 | Bobbin Winder Stop Latch Hinge Screw<br>for 125091 and 125094.....                         |
| 50291W | 4918  | Tension Stud for 15471.....                                                                |
| 50292B | 4918  | “ “ Set Screw for 15432.....                                                               |
| 50315J | 4926  | Needle Threader Hook Screw for 36806<br>and 120328.....                                    |
| 50353E | 4918  | Feed Regulator Hinge Screw.....                                                            |
| 50527C | 21434 | Thread Take-up Lever Hinge Screw for<br>15492.....                                         |
| 50564J | 21442 | Singerlight Nipple Cap Set Screw for<br>193936.....                                        |
| 50566  | 21442 | Singerlight Lead Terminal Screw (brass)<br>for 193815.....                                 |
| 50632R | 20159 | Motor Bracket Screw for 193287.....                                                        |
| 50940R | 20162 | Controller Resistance Unit Screw for<br>193646 to 193648.....                              |
| 51002E | 4926  | Needle Bar Connecting Link Adjusting<br>Screw for 15248.....                               |
| 51045C | 4926  | Machine Hinge Connection Set Screw....                                                     |
| 51093R | 21362 | Three-Pin Terminal (female half) Hous-<br>ing Screw for 192989.....                        |
| 51117J | 20162 | Controller Resistance Unit Yoke Stop<br>Screw for 192862 to 192864.....                    |
| 51118R | 21362 | Controller Resistance Unit Screw for<br>192862 to 192864 and 193851 to 193853              |
| 51119R | 20162 | Controller Bracket Clamp Screw for<br>198164.....                                          |
| 51119J | 20162 | Controller Bracket Screw for 192824 to<br>192826, for Cabinet Tables of Cover<br>Sets..... |

| NO.     | PLATE | NAME                                                                              |
|---------|-------|-----------------------------------------------------------------------------------|
| 51202   | 21442 | Singerlight Toggle Switch Frame Screw<br>(brass) for 193817.....                  |
| 51203   | 21442 | Singerlight Lamp Contact Lead Terminal<br>Screw (brass) for 193817.....           |
| 51203   | 21442 | Singerlight Toggle Switch Spring Contact<br>(right) Screw (brass) for 193817..... |
| 51206R  | 20159 | End Cover Screw.....                                                              |
| 51207C  | 20159 | Pulley Set Screw for 193231.....                                                  |
| 51208B  | 20159 | Motor Screw for 193287.....                                                       |
| 51224B  | 4926  | Arm Side Cover Thumb Screw.....                                                   |
| 51224B  | 4926  | Presser Foot Thumb Screw.....                                                     |
| 51225B  | 4926  | Feed Regulator Thumb Screw.....                                                   |
| *51228B | 21429 | Pressure Regulating Thumb Screw for<br>66773.....                                 |
| 51229B  | 21431 | Shuttle Driver Cushion Spring Screw for<br>125064.....                            |
| 51309C  | 20162 | Controller Resistance Unit Bell Crank<br>Hinge Screw for 193654.....              |
| 51310J  | 20162 | Knee Lever Thumb Screw for 193646 to<br>193648.....                               |
| 51311J  | 20162 | Knee Lever Slide Housing Screw for<br>193654.....                                 |
| 51336J  | 20162 | Knee Lever Extension Hinge Screw for<br>193662.....                               |
| 51340C  | 21362 | Controller Resistance Unit Yoke Hinge<br>Screw for 194027.....                    |
| 51385R  | 21442 | Singerlight Toggle Switch Shell Screw for<br>193815.....                          |
| 51425C  | 21362 | Controller Resistance Unit Bell Crank<br>Hinge Screw for 194027.....              |
| 51582   | 20159 | Three-Pin Terminal Body (male half)<br>Post Thumb Nut for 192797.....             |
| 51602R  | 21442 | Singerlight Nipple Nut for 193999.....                                            |
| 51896   | 20162 | Knee Lever Slide Roller (small) for 193655                                        |
| 51897   | 20162 | “ “ “ “ (large) for 193655                                                        |
| 55621   | 4926  | Presser Bar Lifter.....                                                           |
| 55644   | —     | Face Plate complete, Nos. 15432 and<br>15471.....                                 |
| 55645   | 4918  | Thread Take-up Spring for 15471.....                                              |
| 56814   | —     | Feed Lifting Rock Shaft Screw Center<br>307c with 1513J.....                      |
| 56814   | —     | Feed Rock Shaft Screw Center 307c with<br>1513J.....                              |
| 56814   | —     | Oscillating Rock Shaft Screw Center<br>307c with 1513J.....                       |
| *62739  | —     | Shuttle Bobbin Case for 15277.....                                                |

## NUMERICAL LIST OF PARTS

| NO.                              | PLATE | NAME                                                                                                                 |
|----------------------------------|-------|----------------------------------------------------------------------------------------------------------------------|
| 66752                            | 21429 | Pressure Regulating Thumb Screw Plug (felt) for 66773.....                                                           |
| 66773                            | —     | Pressure Regulating Thumb Screw 51228a, with 66752.....                                                              |
| 97359                            | 21442 | Singer Light Screw Retaining Washer (fibre) for 193294 and 193518..... per 100                                       |
| 120306                           | —     | Attachment Set complete, Nos. 25527, 25537, 25626 to 25629, 26319, 36583, 50053a, 120378, five 2518s and six needles |
| 120327                           | 4926  | Needle Threader Hook for 120328.....                                                                                 |
| 120328                           | 4926  | Needle Threader complete for No. 9 Needle, Nos. 36803, 36805, 50315j and three 120327.....                           |
| 120329                           | —     | Machine Cover (Accessories).....                                                                                     |
| 120378                           | 4926  | Screw Driver (shuttle tension) for 120306                                                                            |
| 120598                           | 4942  | Ruffler for one, six and twelve stitch ruffling.....                                                                 |
| 120687                           | 21439 | Hemstitcher with Yielding Presser Plate                                                                              |
| 120824                           | 4958  | Strip Wire for 35985.....                                                                                            |
| 120855                           | 21433 | Hemmer (foot) for $\frac{3}{4}$ in. hem.....                                                                         |
| 120876                           | 4938  | Embroidery Attachment Driving Lever with 120877 and two 9859, for 26538..                                            |
| 120877                           | 4938  | Embroidery Attachment Thread Bracket for 120876.....                                                                 |
| Nos. 121091 to 121093 for 121094 |       |                                                                                                                      |
| 121091                           | 21439 | Darning Foot.....                                                                                                    |
| 121092                           | 21439 | “ “ Shank 121126 with 121125                                                                                         |
| 121093                           | 21439 | “ “ Spring.....                                                                                                      |
| 121094                           | 21439 | Darning Foot (spring) complete, Nos. 121091 to 121093.....                                                           |
| *121125                          | —     | Darning Foot Guide for 121092.....                                                                                   |
| *121126                          | —     | “ “ Shank for 121092.....                                                                                            |
| 125018                           | 4926  | Shuttle, $1\frac{1}{16}$ in. diam., Nos. 2515, 2518 and 15277.....                                                   |
| 125021                           | 21427 | Crank Connecting Rod with 125044 and two 896a.....                                                                   |
| 125035                           | 4974  | Presser Foot (needle hole on left hand side) for stitching on edge and inserting braid.....                          |
| 125036                           | 4926  | Feed Regulator Thumb Screw Washer...                                                                                 |
| 125042                           | 21427 | Arm Shaft for 125084.....                                                                                            |
| 125044                           | 21431 | Crank Connecting Rod Oil Pad (felt) for 125021.....                                                                  |
| 125045                           | 21427 | Feed Cam and Counterbalance with 1285c, for 125084.....                                                              |

## NUMERICAL LIST OF PARTS

| NO.     | PLATE | NAME                                                                                                                                                                                                                 |
|---------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 125046  | 21428 | Feed Forked Connection for 125085.....                                                                                                                                                                               |
| 125047  | 21426 | “ “ “ Slide Block for 125335.....                                                                                                                                                                                    |
| 125050  | 21426 | Feed Regulator.....                                                                                                                                                                                                  |
| 125052  | 21429 | Needle Bar Bushing.....                                                                                                                                                                                              |
| 125055  | 21428 | Oscillating Rock Shaft with 125056.....                                                                                                                                                                              |
| 125056  | 21428 | “ “ “ Oil Wick (braided cotton) for 125055.....                                                                                                                                                                      |
| *125057 | —     | Oscillating Shaft Crank for 125059.....                                                                                                                                                                              |
| 125059  | 21426 | “ “ “ 125057 with 125330 and two 462c.....                                                                                                                                                                           |
| *125060 | —     | Oscillating Shaft Crank Slide Block Stud for 125330.....                                                                                                                                                             |
| 125061  | 21429 | Presser Bar.....                                                                                                                                                                                                     |
| *125062 | —     | Shuttle Driver for 125092.....                                                                                                                                                                                       |
| 125064  | —     | “ “ 125092 with 125065 and two 51229e.....                                                                                                                                                                           |
| 125065  | 21431 | Shuttle Driver Cushion Spring for 125064                                                                                                                                                                             |
| 125072  | 21429 | Needle Bar Bushing Oil Pad (felt).....                                                                                                                                                                               |
| 125079  | 21429 | “ “ .....                                                                                                                                                                                                            |
| 125080  | 21430 | Shuttle Race Back Spring for 2528.....                                                                                                                                                                               |
| *125082 | —     | Arm for 125083.....                                                                                                                                                                                                  |
| 125083  | —     | “ 125082 with 435c, 448c, 15404, 15486, 15498 and two 15405.....                                                                                                                                                     |
| *125084 | —     | Arm Shaft 125042 with 15434, 15498 and 125045.....                                                                                                                                                                   |
| 125085  | —     | Feed Forked Connection 125046 with 125335.....                                                                                                                                                                       |
| 125088  | 21431 | Arm Oil Pad (felt) for oiling Arm Shaft Back Bearing.....                                                                                                                                                            |
| 125089  | 21437 | Arm Oil Pad Spring for 125090 and 125093                                                                                                                                                                             |
| 125090  | 21437 | Bobbin Winder Bracket (belt cover) with 125334, for 125091.....                                                                                                                                                      |
| 125091  | 21436 | Bobbin Winder complete, for Balance Wheel No. 15282, for 15-S6 Machine, Nos. 50a, 571c, 1528j, 2749, 15286 to 15289, 15291, 15366, 15376, 15377, 15413, 15416, 15418, 50058a, 50059b, 50061b, 50230b and 125090..... |
| 125092  | 21431 | Shuttle Driver 125062 with two 462c, for 125064.....                                                                                                                                                                 |
| 125093  | 21440 | Bobbin Winder Bracket (belt cover) with 125334, for 125094.....                                                                                                                                                      |

| NO.     | PLATE | NAME                                                                                                                                                                                                                 |
|---------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 125094  | —     | Bobbin Winder complete, for Balance Wheel No. 32672, for 15-87 Machine, Nos. 50B, 571C, 1528J, 2749, 15286 to 15289, 15291, 15366, 15376, 15377, 15413, 15416, 15418, 50058B, 50059B, 50061B, 50230B and 125093..... |
| 125095  | 21429 | Needle Bar Thread Guard.....                                                                                                                                                                                         |
| 125330  | 21426 | Oscillating Shaft Crank Slide Block 15170 with 125060, for 125059.....                                                                                                                                               |
| 125334  | 21437 | Arm Oil Pad Spring Cap for 125090 and 125093.....                                                                                                                                                                    |
| 125335  | —     | Feed Forked Connection Slide Block 125047 with 1085E, for 125085.....                                                                                                                                                |
| 190058  | 20159 | Motor Bracket Screw Retaining Washer (fibre) for 193287.....                                                                                                                                                         |
| 190059  | 20160 | Commutator complete.....                                                                                                                                                                                             |
| 190075  | 20159 | Armature Shaft Grease Pad Spring.....                                                                                                                                                                                |
| *190076 | 20159 | “ “ Bearing Sleeve.....                                                                                                                                                                                              |
| 190083  | 20159 | Brush Spring.....                                                                                                                                                                                                    |
| 190092  | 21362 | Controller Foot Rest (movable) Cotter Pin for 194030.....                                                                                                                                                            |
| 190439  | 20161 | Tube, filled with Singer Motor Lubricant, for 190613.....                                                                                                                                                            |
| 190563  | 20161 | Field Coil Retainer.....                                                                                                                                                                                             |
| 190612  | —     | Tube Carton (paper) for 190613.....                                                                                                                                                                                  |
| 190613  | —     | “ 190439 with 190612.....                                                                                                                                                                                            |
| 190782  | 20159 | Brush (carbon) for 32 to 145 volts.....                                                                                                                                                                              |
| 191097  | 20159 | Armature Thrust Washer (commutator end) fibre.....                                                                                                                                                                   |
| 191098  | 20159 | Armature Thrust Washer (pulley end) peerless paper.....                                                                                                                                                              |
| 191417  | 20159 | Motor Bracket Screw Washer for 193287                                                                                                                                                                                |
| 191915  | 20162 | Controller Lead Bushing Retainer for 192811 and 193652.....                                                                                                                                                          |
| *191960 | —     | Controller Lead Cord Terminal Clip Body for 193990.....                                                                                                                                                              |
| *191960 | —     | Controller Lead Terminal Clip Body (controller end) for 192857, 193667 and 193743.....                                                                                                                               |
| *191961 | —     | Controller Lead Cord Terminal Clip Body Cap for 193990.....                                                                                                                                                          |
| *191961 | —     | Controller Lead Terminal Clip Body Cap (controller end) for 192857, 193667 and 193743.....                                                                                                                           |
| 192140  | 21444 | Controller Resistance Unit, for 95 to 145 volts, for 192863, 193647 and 193852..                                                                                                                                     |

| NO.     | PLATE | NAME                                                                                                                                                  |
|---------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| 192141  | 21444 | Controller Resistance Unit, for 150 to 250 volts, for 192864, 193648 and 193853..                                                                     |
| 192142  | 4966  | Controller Lead Bushing (for machine lifting plate), Electrical Trimmings for Electric Cabinet Table Sets Nos. 40, 47 and 50 and Stand No. 46913..... |
| 192143  | 4966  | Controller Lead Bushing Retaining Spring for 192142, Electrical Trimmings for Electric Cabinet Table Sets Nos. 40, 47 and 50 and Stand No. 46913..... |
| 192211  | 21444 | Controller Resistance Unit for 32 to 55 volts, for 192862, 193646 and 193851..                                                                        |
| 192240  | 20159 | Field Coil Tube (paper).....                                                                                                                          |
| *192303 | —     | Controller Resistance Unit Adjusting Nut Insert (brass) for 192985.....                                                                               |
| 192339  | 21362 | Controller Base Cushion Stud for 194027                                                                                                               |
| 192348  | 21362 | “ “ Lead Cord Bushing for 193990                                                                                                                      |
| 192542  | 4966  | “ “ Plug Cap for 193990                                                                                                                               |
| 192542  | 4966  | Lead Cord Plug Cap for 192851.....                                                                                                                    |
| 192542  | 4966  | Singerlight Lead Cord Plug Cap for 194022.....                                                                                                        |
| 192543  | 4966  | Lead Cord Plug Flash Disc (fibre) for 192542.....                                                                                                     |
| 192543  | 4966  | Controller Lead Cord Plug Flash Disc (fibre) for 192542.....                                                                                          |
| 192543  | 4966  | Singerlight Lead Cord Plug Flash Disc (fibre) for 192542.....                                                                                         |
| 192641  | 20161 | Motor Bracket for 193287.....                                                                                                                         |
| *192642 | —     | Three-Pin Terminal Body (male half) for 193700.....                                                                                                   |
| *192643 | —     | Three-Pin Terminal (female half) Housing (upper) for 192989.....                                                                                      |
| *192644 | —     | Three-Pin Terminal (female half) Housing (lower) for 192989.....                                                                                      |
| 192691  | 20159 | Three-Pin Terminal (female half) Insert Sleeve for 192989.....                                                                                        |
| 192692  | 20159 | Three-Pin Terminal (female half) Insert Clamp for 192989.....                                                                                         |
| 192790  | 20159 | Three-Pin Terminal Adapter Bushing for 192851, for Knee or Treadle Control..                                                                          |
| 192793  | 20159 | Three-Pin Terminal Body (male half) Post for 193700.....                                                                                              |
| 192796  | 20162 | Controller Lead Bushing for 192811 and 193652.....                                                                                                    |
| 192797  | 20161 | Three-Pin Terminal Body (male half) complete, Nos. 193700 and three each 51582 and 701719.....                                                        |

## NUMERICAL LIST OF PARTS

| NO.                                                    | PLATE | NAME                                                                                                                                                 |
|--------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| 192810                                                 | 21443 | Controller Resistance Unit Yoke 192815 with 192816, for 192862 to 192864....                                                                         |
| 192811                                                 | —     | Controller Cover 192907 with 191915 and 192796, for 192824 to 192826 and 193745 to 193747 .....                                                      |
| *192813                                                | —     | Controller Pitman Rod Connection for 192866.....                                                                                                     |
| *192815                                                | —     | Controller Resistance Unit Yoke for 192810.....                                                                                                      |
| *192816                                                | —     | Controller Resistance Unit Yoke Extension for 192810.....                                                                                            |
| 192819                                                 | 20162 | Controller Resistance Unit Yoke Spring for 192862 to 192864.....                                                                                     |
| *192820                                                | —     | Controller Lead Cord, 8 ft. long, for 193990                                                                                                         |
| Nos. 192824 to 192826 for Cabinet Tables or Cover Sets |       |                                                                                                                                                      |
| 192824                                                 | —     | Controller complete, for 32 to 55 volts, A. C. or D. C. Motor, Nos. 227J, 192811, 192857, 192862, 899287 and two 36648.                              |
| 192825                                                 | —     | Controller complete, for 95 to 145 volts, A. C. or D. C. Motor, Nos. 227J, 192811, 192857, 192863, 899326 and two 36648.                             |
| 192826                                                 | —     | Controller complete, for 150 to 250 volts, A. C. or D. C. Motor, Nos. 227J, 192811, 192857, 192864, 899287 and two 36648.                            |
| 192851                                                 | 20161 | Lead Cord complete, from lamp socket to three-pin terminal, for Knee or Treadle Control, Nos. 192542, 192790, 192852 and 192989 .....                |
| *192852                                                | —     | Lead Cord for 192851.....                                                                                                                            |
| 192857                                                 | 21445 | Controller Lead complete, from controller to three-pin terminal, for 192824 to 192826, Nos. 192858 and two each 191960, 191961, 192954 and 192955... |
| *192858                                                | —     | Controller Lead for 192857.....                                                                                                                      |
| *192862                                                | —     | Controller Resistance Unit Base 193243 with 192211, 192810, 192985, two each 23258, 51117J, 51118R, 192819 and 701690, for 192824 and 193745.....    |
| *192863                                                | —     | Controller Resistance Unit Base 193243 with 192140, 192810, 192985, two each 23258, 51117J, 51118R, 192819 and 701690, for 192825 and 193746.....    |
| *192864                                                | —     | Controller Resistance Unit Base 193243 with 192141, 192810, 192985, two each 23258, 51117J, 51118R, 192819 and 701690, for 192826 and 193747.....    |

## NUMERICAL LIST OF PARTS

| NO.     | PLATE | NAME                                                                                                             |
|---------|-------|------------------------------------------------------------------------------------------------------------------|
| 192366  | 21443 | Controller Pitman Rod Connection 192813 with 192867, for 192824 to 192826, for Cabinet Tables or Cover Sets..... |
| *192867 | —     | Controller Pitman Rod Connection Hook for 192866.....                                                            |
| *192885 | —     | Controller Resistance Unit Yoke Extension Guide for 193243.....                                                  |
| 192907  | 21444 | Controller Cover for 192811.....                                                                                 |
| 192909  | 4966  | " Lead Tube Clamp (double), Electrical Trimmings for Electric Cabinet Table Sets Nos. 40, 47 and 50....          |
| 192912  | 21445 | Controller Lead Tube 192913 with two 192946, Electrical Trimmings for Stands Nos. 46909 and 46912.....           |
| 192912  | 21445 | Controller Lead Tube 192913 with two 192946 (long), Electrical Trimmings for Stand No. 46913.....                |
| *192913 | —     | Controller Lead Tube (wire mold) for 192912.....                                                                 |
| 192916  | 4966  | Controller Lead Tube 192917 with two 192946 (short), Electrical Trimmings for Stand No. 46913.....               |
| *192917 | —     | Controller Lead Tube (wire mold) for 192916.....                                                                 |
| 192918  | 4966  | Controller Lead Tube Clamp (single), Electrical Trimmings for Electric Cabinet Table Sets Nos. 40, 47 and 50...  |
| 192918  | 4966  | Controller Lead Tube Clamp, Electrical Trimmings for Stands Nos. 46909, 46912 and 46913.....                     |
| *192946 | —     | Controller Lead Tube Ferrule for 192912, 192916 and 193722.....                                                  |
| 192947  | —     | Brush (carbon) for 150 to 250 volts.....                                                                         |
| *192954 | —     | Controller Lead Terminal Clip Body (terminal end) for 192857, 193667 and 193743.....                             |
| *192954 | —     | Field Coil Lead Terminal Clip Body....                                                                           |
| *192954 | —     | Singerlight Lead Terminal Clip Body for 193289.....                                                              |
| *192955 | —     | Controller Lead Terminal Clip Body Cap (terminal end) for 192857, 193667 and 193743.....                         |
| *192955 | —     | Field Coil Lead Terminal Clip Body Cap                                                                           |
| *192955 | —     | Singerlight Lead Terminal Clip Body Cap for 193289.....                                                          |

## NUMERICAL LIST OF PARTS

| NO.     | PLATE | NAME                                                                                                                                              |
|---------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| 192985  | 21362 | Controller Resistance Unit Adjusting Nut (insulating) with 192303 for 192862 to 192864, 193646 to 193648 and 193851 to 193853.....                |
| 192989  | 20161 | Three-Pin Terminal (female half) complete for 192851 and 193990, Nos. 192643, 192644, two each 1768R, 51093R and three each 192691 and 192692.... |
| 193066  | 4950  | Belt (moulded) for Spoked Balance Wheel No. 15282.....                                                                                            |
| 193077  | 4951  | Belt (moulded) for Disc Balance Wheel No. 32672.....                                                                                              |
| *193225 | 20161 | Armature Shaft.....                                                                                                                               |
| 193226  | 20160 | End Cover (commutator end) with two 193232.....                                                                                                   |
| 193227  | 20160 | End Cover (pulley end) with 193233 and 193234.....                                                                                                |
| 193228  | 20159 | Brush Tube.....                                                                                                                                   |
| 193229  | 20159 | " Cap.....                                                                                                                                        |
| 193230  | 20159 | Armature Shaft Bearing Sleeve Cap (commutator end).....                                                                                           |
| 193231  | 20159 | Pulley (moulded) with 51207c.....                                                                                                                 |
| *193232 | 20159 | End Cover (commutator end) Insert for 193226.....                                                                                                 |
| *193233 | 20159 | End Cover (pulley end) Insert (upper) for 193227.....                                                                                             |
| *193234 | 20159 | End Cover (pulley end) Insert (lower) for 193227.....                                                                                             |
| 193236  | 20161 | Fan.....                                                                                                                                          |
| 193238  | 20159 | Brush Tube Terminal.....                                                                                                                          |
| 193239  | 20160 | Field Core Shield for 193285 and 193286.                                                                                                          |
| 193243  | 21444 | Controller Resistance Unit Base with 192885, for 192862 to 192864.....                                                                            |
| *193249 | 21444 | Singerlight Socket Body with 193255 and two each 193251 and 193267, for 193817                                                                    |
| *193251 | 21441 | Singerlight Lamp Contact Plunger Bushing for 193249.....                                                                                          |
| *193252 | 21441 | Singerlight Lamp Contact Plunger Spring for 193817.....                                                                                           |
| *193253 | 21441 | Singerlight Lamp Contact Plunger for 193817.....                                                                                                  |
| *193254 | 21441 | Singerlight Lamp Contact Lead Terminal for 193817.....                                                                                            |
| *193255 | 21441 | Singerlight Toggle Switch Spring Contact Lead Terminal Stud for 193249.....                                                                       |
| *193256 | 21441 | Singerlight Toggle Switch Spring Contact Lead Terminal for 193817.....                                                                            |

## NUMERICAL LIST OF PARTS

| NO.     | PLATE | NAME                                                                                                                                              |
|---------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| *193257 | 21441 | Singerlight Toggle Switch Spring Contact (right) for 193817.....                                                                                  |
| *193258 | 21441 | Singerlight Toggle Switch Spring Contact (left) for 193817.....                                                                                   |
| *193259 | 21441 | Singerlight Toggle Switch Contact for 193818.....                                                                                                 |
| *193262 | 21441 | Singerlight Toggle Switch Toggle Lever Spring for 193818.....                                                                                     |
| *193265 | 21441 | Singerlight Toggle Switch Operating Lever Hinge Pin for 193818.....                                                                               |
| *193267 | 21441 | Singerlight Shade Position Pin for 193249                                                                                                         |
| 193272  | 21444 | " " for 193421.....                                                                                                                               |
| 193285  | —     | Field Core Shield 193239 with 899380 and two 700792, for B. R. 7 Motor.....                                                                       |
| 193286  | —     | Field Core Shield 193239 with 899381 and two 700792, for all B. R. Motors except B. R. 7 Motor.....                                               |
| 193287  | —     | Motor Bracket complete, Nos. 50632R, 51208B, 190058, 191417, 192641 and 701513.....                                                               |
| *193288 | —     | Singerlight Lead for 193289.....                                                                                                                  |
| 193289  | 21443 | Singerlight Lead complete for 193294, Nos. 193288 and two each 192954 and 192955.....                                                             |
| 193294  | —     | Singerlight (moulded, less lamp) complete for 15-87 Machine, Nos. 691A, 97359, 193289, 193421, 193437, 193815, 193941, 701909 and two 193509..... |
| 193318  | 20160 | Armature complete for B. R. 6 and B. R. 7 Motors.....                                                                                             |
| *193386 | 21441 | Singerlight Toggle Switch Frame for 193818.....                                                                                                   |
| *193387 | 21441 | Singerlight Toggle Switch Toggle Lever for 193818.....                                                                                            |
| 193401  | 21444 | Singerlight Shade Reflector for 193421..                                                                                                          |
| 193402  | 20159 | Armature Shaft Grease Pad Spring Cap.                                                                                                             |
| 193421  | —     | Singerlight Shade 193272 with 193401, for 193294 and 193518.....                                                                                  |
| 193437  | 21442 | Singerlight Shade Friction Washer for 193294 and 193518.....                                                                                      |
| 193438  | 20160 | Field Core complete.....                                                                                                                          |
| *193439 | —     | Singerlight Lead Cord (8 ft. long) for 194022.....                                                                                                |
| 193440  | —     | Field Coil complete, for B. R. 3 Motor, Nos. 193441 and 193442.....                                                                               |
| *193441 | —     | Field Coil (right) for 193440.....                                                                                                                |
| *193442 | —     | " " (left) for 193440.....                                                                                                                        |

| NO.     | PLATE | NAME                                                                                    |
|---------|-------|-----------------------------------------------------------------------------------------|
| 193443  | —     | Field Coil complete, for B. R. 5 Motor,<br>Nos. 193444 and 193445.....                  |
| *193444 | —     | Field Coil (right) for 193443.....                                                      |
| *193445 | —     | “ “ (left) for 193443.....                                                              |
| 193446  | —     | Field Coil complete, for B. R. 6 Motor,<br>Nos. 193447 and 193448.....                  |
| *193447 | —     | Field Coil (right) for 193446.....                                                      |
| *193448 | —     | “ “ (left) for 193446.....                                                              |
| 193449  | —     | Field Coil complete for B. R. 7 Motor,<br>Nos. 193450 and 193451.....                   |
| *193450 | 20172 | Field Coil (right) for 193449.....                                                      |
| *193451 | 20172 | “ “ (left) for 193449.....                                                              |
| 193452  | —     | Field Coil complete for B. R. 8 Motor,<br>Nos. 193453 and 193454.....                   |
| *193453 | —     | Field Coil (right) for 193452.....                                                      |
| *193454 | —     | “ “ (left) for 193452.....                                                              |
| 193455  | —     | Field Coil complete for B. R. 9 Motor,<br>Nos. 193456 and 193457.....                   |
| *193456 | —     | Field Coil (right) for 193455.....                                                      |
| *193457 | —     | “ “ (left) for 193455.....                                                              |
| 193458  | —     | Field Coil complete for B. R. 10 and<br>B. R. 11 Motors, Nos. 193459 and<br>193460..... |
| *193459 | —     | Field Coil (right) for 193458.....                                                      |
| *193460 | —     | “ “ (left) for 193458.....                                                              |
| 193461  | —     | Field Coil complete for B. R. 12 Motor,<br>Nos. 193462 and 193463.....                  |
| *193462 | —     | Field Coil (right) for 193461.....                                                      |
| *193463 | —     | “ “ (left) for 193461.....                                                              |
| 193464  | —     | Field Coil complete for B. R. 15 Motor,<br>Nos. 193465 and 193466.....                  |
| *193465 | —     | Field Coil (right) for 193464.....                                                      |
| *193466 | —     | “ “ (left) for 193464.....                                                              |
| 193467  | —     | Field Coil complete for B. R. 87 Motor,<br>Nos. 193468 and 193469.....                  |
| *193468 | —     | Field Coil (right) for 193467.....                                                      |
| *193469 | —     | “ “ (left) for 193467.....                                                              |
| 193470  | —     | Field Coil complete for B. R. 90 Motor,<br>Nos. 193471 and 193472.....                  |
| *193471 | —     | Field Coil (right) for 193470.....                                                      |
| *193472 | —     | “ “ (left) for 193470.....                                                              |
| 193473  | —     | Field Coil complete for B. R. 92 Motor,<br>Nos. 193474 and 193475.....                  |
| *193474 | —     | Field Coil (right) for 193473.....                                                      |
| *193475 | —     | “ “ (left) for 193473.....                                                              |
| 193476  | —     | Armature complete for B. R. 3 Motor....                                                 |
| 193477  | —     | Armature complete for B. R. 5 Motor....                                                 |

| NO.                                                                         | PLATE | NAME                                                                                                                                                                                                                                                                   |
|-----------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 193478                                                                      | —     | Armature complete for B. R. 8 Motor.....                                                                                                                                                                                                                               |
| 193479                                                                      | —     | Armature complete for B. R. 9 Motor....                                                                                                                                                                                                                                |
| 193480                                                                      | —     | Armature complete for B. R. 10 and<br>B. R. 92 Motors.....                                                                                                                                                                                                             |
| 193481                                                                      | —     | Armature complete for B. R. 11 and<br>B. R. 12 Motors.....                                                                                                                                                                                                             |
| 193482                                                                      | —     | Armature complete for B. R. 15 Motor....                                                                                                                                                                                                                               |
| 193483                                                                      | —     | Armature complete for B. R. 87 Motor....                                                                                                                                                                                                                               |
| 193484                                                                      | —     | Armature complete for B. R. 90 Motor....                                                                                                                                                                                                                               |
| *193495                                                                     | —     | Singerlight Bracket for 193941.....                                                                                                                                                                                                                                    |
| 193509                                                                      | 21442 | “ Nipple Washer (felt) for<br>193294 and 193518.....                                                                                                                                                                                                                   |
| 193512                                                                      | 21442 | Singerlight Nipple Insulating Collar for<br>193999.....                                                                                                                                                                                                                |
| 193518                                                                      | —     | Singerlight (moulded, less lamp) complete<br>for 15-86 Machine, Nos. 691A, 97359,<br>193421, 193437, 193815, 193941, 194022,<br>701909 and two 193509.....                                                                                                             |
| Nos. 193646 to 193648 for Electric Cabinet Table<br>Sets Nos. 40, 47 and 50 |       |                                                                                                                                                                                                                                                                        |
| 193646                                                                      | —     | Controller complete, for 32 to 55 volts,<br>A. C. or D. C. Motor, Nos. 602J, 51310J,<br>192211, 192985, 193652, 193654, 193662,<br>193667, 899287 and two each 23258,<br>36648, 50940R, 701690 and wood screws<br>½ in. No. 5 Rd. Hd. and ⅝ in. No. 7<br>Rd. Hd.....   |
| 193647                                                                      | —     | Controller complete, for 95 to 145 volts,<br>A. C. or D. C. Motor, Nos. 602J, 51310J,<br>192140, 192985, 193652, 193654, 193662,<br>193667, 899448 and two each 23258,<br>36648, 50940R, 701690 and wood screws<br>½ in. No. 5 Rd. Hd. and ⅝ in. No. 7<br>Rd. Hd.....  |
| 193648                                                                      | —     | Controller complete, for 150 to 250 volts,<br>A. C. or D. C. Motor, Nos. 602J, 51310J,<br>192141, 192985, 193652, 193654, 193662,<br>193667, 899287 and two each 23258,<br>36648, 50940R, 701690 and wood screws<br>½ in. No. 5 Rd. Hd. and ⅝ in. No. 7<br>Rd. Hd..... |
| 193649                                                                      | 20164 | Controller Plate for 193654.....                                                                                                                                                                                                                                       |
| 193650                                                                      | 20164 | Controller Resistance Unit Bell Crank<br>with 5790, 193651 and 193739, for<br>193654.....                                                                                                                                                                              |

## NUMERICAL LIST OF PARTS

| NO.                                                          | PLATE | NAME                                                                                                                                                 |
|--------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| 193651                                                       | 20162 | Controller Resistance Unit Bell Crank Wearing Plate for 193650.....                                                                                  |
| 193652                                                       | —     | Controller Resistance Unit Cover 193653 with 191915 and 192796, for 193646 to 193648.....                                                            |
| 193653                                                       | 20164 | Controller Resistance Unit Cover for 193652.....                                                                                                     |
| 193654                                                       | —     | Controller Plate 193649 with 602r, 1708r, 51309c, 193650, 193655, 193719, 194098, 194099, 701679 and two 51311r, for 193646 to 193648.....           |
| 193655                                                       | —     | Knee Lever Slide complete for 193654, Nos. 51896, 193656, 193749 and two 51897.....                                                                  |
| 193656                                                       | 20164 | Knee Lever Slide with 193670, for 193655                                                                                                             |
| 193662                                                       | 20164 | Knee Lever complete for 193646 to 193648, Nos. 1549r, 51336r, 193737 and 193738.                                                                     |
| 193667                                                       | 21445 | Controller Lead complete for 193646 to 193648, Nos. 193668 and two each 191960, 191961, 192954 and 192955...                                         |
| *193668                                                      | —     | Controller Lead for 193667.....                                                                                                                      |
| 193669                                                       | 20162 | Knee Lever Slide Housing Stop Pin for 194099.....                                                                                                    |
| 193670                                                       | 20162 | Knee Lever Slide Spring Stud for 193656.                                                                                                             |
| *193700                                                      | —     | Three-Pin Terminal Body (male half) 192642 with three 192793 and 192797..                                                                            |
| 193719                                                       | 20162 | Knee Lever Slide Spring for 193654.....                                                                                                              |
| 193722                                                       | 21443 | Controller Lead Tube 193723 with two 192946, Electrical Trimmings for Electric Cabinet Table Sets Nos. 40, 47 and 50.....                            |
| *193723                                                      | —     | Controller Lead Tube (wiremold) for 193722.....                                                                                                      |
| *193737                                                      | 20164 | Knee Lever for 193662.....                                                                                                                           |
| *193738                                                      | 20164 | “ “ Extension for 193662.....                                                                                                                        |
| 193739                                                       | 20162 | Controller Resistance Unit Bell Crank Wearing Plate Rivet for 193650, per 100                                                                        |
| 193743                                                       | 21445 | Controller Lead complete, from controller to three-pin terminal, for 193745 to 193747, Nos. 193744 and two each 191960, 191961, 192954 and 192955... |
| *193744                                                      | —     | Controller Lead for 193743.....                                                                                                                      |
| Nos. 193745 to 193747 for STANDS Nos. 46909, 46912 and 46913 |       |                                                                                                                                                      |
| 193745                                                       | —     | Controller complete, for 32 to 55 volts, A. C. or D. C. Motor, Nos. 227r, 192811, 192862, 193743, 899287 and two 36648.                              |

## NUMERICAL LIST OF PARTS

| NO.                                      | PLATE | NAME                                                                                                                                                                                      |
|------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 193746                                   | —     | Controller complete, for 95 to 145 volts, A. C. or D. C. Motor, Nos. 227r, 192811, 192863, 193743, 899456 and two 36648.                                                                  |
| 193747                                   | —     | Controller complete, for 150 to 250 volts, A. C. or D. C. Motor, Nos. 227r, 192811, 192864, 193743, 899287 and two 36648.                                                                 |
| 193749                                   | 20162 | Knee Lever Slide Roller Pin for 193655..                                                                                                                                                  |
| *193765                                  | 21441 | Singerlight Toggle Switch Toggle Lever Spring Washer for 193818.....                                                                                                                      |
| *193794                                  | 21441 | Singerlight Toggle Switch Handle with 193795, for 193818.....                                                                                                                             |
| *193795                                  | 21441 | Singerlight Toggle Switch Operating Lever for 193794.....                                                                                                                                 |
| *193796                                  | 21441 | Singerlight Toggle Switch Cover Plate for 193818.....                                                                                                                                     |
| *193797                                  | 21441 | Singerlight Toggle Switch Cover Plate Insulating Plate for 193818.....                                                                                                                    |
| 193815                                   | 21444 | Singerlight Socket and Switch complete for 193294 and 193518, Nos. 193816, 193829, 193936, two 50566 and three 51385r.....                                                                |
| *193816                                  | —     | Singerlight Socket Body 193817 with 193999, for 193815.....                                                                                                                               |
| *193817                                  | —     | Singerlight Socket Body 193249 with 51202, 193254, 193256 to 193258, 193818, two each 51203, 193252 and 193253, for 193816.....                                                           |
| *193818                                  | —     | Singerlight Toggle Switch complete for 193817, Nos. 193259, 193262, 193265, 193386, 193387, 193765, 193794, 193796 and 193797.....                                                        |
| 193826                                   | 20171 | Controller Bracket for 193827.....                                                                                                                                                        |
| 193827                                   | —     | “ “ 193826 with 126r and 1549r, for 193745 to 193747, for Stand No. 46913.....                                                                                                            |
| 193828                                   | 21443 | Controller Pitman Rod Connection 193868 with 193869, for 193745 to 193747, for Stand No. 46913.....                                                                                       |
| 193829                                   | 21441 | Singerlight Lead Strain Relief Disc for 193815.....                                                                                                                                       |
| Nos. 193851 to 193853 for CABINET TABLES |       |                                                                                                                                                                                           |
| 193851                                   | —     | Controller (foot) complete, for 32 to 55 volts, A. C. or D. C. Motor, Nos. 228r, 192211, 192985, 193990, 194027, 194030, 899287 and two each 23258, 36648, 51118r, 193864 and 701690..... |

| NO.     | PLATE | NAME                                                                                                                                                                                        |
|---------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 193852  | —     | Controller (foot) complete, for 95 to 145 volts, A. C. or D. C. Motor, Nos. 228j, 192140, 192985, 193990, 194027, 194030, 899531 and two each 23258, 36648, 51118r, 193864 and 701690.....  |
| 193853  | —     | Controller (foot) complete, for 150 to 250 volts, A. C. or D. C. Motor, Nos. 228j, 192141, 192985, 193990, 194027, 194030, 899287 and two each 23258, 36648, 51118r, 193864 and 701690..... |
| 193856  | 21363 | Controller Cover for 194030.....                                                                                                                                                            |
| 193858  | 21362 | “ Foot Rest (stationary) for 194030.....                                                                                                                                                    |
| 193861  | 21362 | Controller Resistance Unit Bell Crank (left) for 194027.....                                                                                                                                |
| 193862  | 21362 | Controller Resistance Unit Bell Crank (right) for 194027.....                                                                                                                               |
| 193863  | 21362 | Controller Resistance Unit Yoke with 193989, for 194027.....                                                                                                                                |
| 193864  | 21362 | Controller Resistance Unit Yoke Spring for 193851 to 193853.....                                                                                                                            |
| 193868  | —     | Controller Pitman Rod Connection for 193828.....                                                                                                                                            |
| *193869 | —     | Controller Pitman Rod Connection Hook for 193828.....                                                                                                                                       |
| 193929  | 21362 | Controller Base Cushion (rubber) for 194027.....                                                                                                                                            |
| 193936  | 21442 | Singerlight Nipple Cap 193937 with 50564j, for 193815.....                                                                                                                                  |
| *193937 | —     | Singerlight Nipple Cap with 193938, for 193936.....                                                                                                                                         |
| *193938 | —     | Singerlight Nipple Cap Insert for 193937.....                                                                                                                                               |
| 193940  | 21442 | “ “ for 193999.....                                                                                                                                                                         |
| 193941  | 21441 | “ Bracket 193495 with 193942, for 193294 and 193518.....                                                                                                                                    |
| *193942 | 21441 | Singerlight Steady Pin for 193941.....                                                                                                                                                      |
| 193988  | —     | Controller Resistance Unit Yoke Spring Bracket Rivet for 194027.....                                                                                                                        |
| 193989  | 21362 | Controller Resistance Unit Adjusting Nut Position Pin for 193863.....                                                                                                                       |
| 193990  | 21445 | Controller Lead Cord complete, from lamp socket to three-pin terminal and controller, for 193851 to 193853, Nos. 192348, 192542, 192820, 192989, 193991 and two each 191960 and 191961..... |
| *193991 | —     | Controller Lead Cord, 3 ft. 10 in. long, for 193990.....                                                                                                                                    |

| NO.     | PLATE | NAME                                                                                                                                                               |
|---------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| *193999 | —     | Singerlight Toggle Switch Shell 194032 with 51602r, 193512 and 193940, for 193816.....                                                                             |
| 194022  | 21445 | Singerlight Lead Cord (8 ft. long) and Plug complete, for 193518, Nos. 192542 and 193439.....                                                                      |
| 194025  | 21362 | Controller Lead Cord Protector for 194027.....                                                                                                                     |
| *194026 | —     | “ Base for 194027.....                                                                                                                                             |
| *194027 | 21363 | “ “ 194026 with 228j, 51340c, 51425c, 193861 to 193863, 194025, 194028, 194029, two each 1607j, 193988, and four each 192339 and 193929, for 193851 to 193853..... |
| *194028 | —     | Controller Resistance Unit Yoke Spring Bracket (left) for 194027.....                                                                                              |
| *194029 | —     | Controller Resistance Unit Yoke Spring Bracket (right) for 194027.....                                                                                             |
| 194030  | —     | Controller Cover 193856 with 225j, 193858, 194031 and two 190092, for 193851 to 193853.....                                                                        |
| 194031  | 21362 | Controller Foot Rest (movable) for 194030.....                                                                                                                     |
| *194032 | 21444 | Singerlight Toggle Switch Shell for 193999.....                                                                                                                    |
| 194046  | 20159 | Armature Shaft Grease Pad (felt).....                                                                                                                              |
| 194098  | 20164 | Knee Lever Slide Cover for 193654.....                                                                                                                             |
| 194099  | 20164 | “ “ “ Housing with 193669, for 193654.....                                                                                                                         |
| 194120  | 21444 | Singerlight Lamp.....                                                                                                                                              |

NOTE: When ordering No. 194120, state voltage required

|        |       |                                                                                                                    |
|--------|-------|--------------------------------------------------------------------------------------------------------------------|
| 198001 | 20171 | Controller Bracket for 192824 to 192826, for Cabinet Tables.....                                                   |
| 198002 | 20171 | Controller Bracket for 192824 to 192826 Cover Sets.....                                                            |
| 198162 | 20171 | Controller Bracket for 198164.....                                                                                 |
| 198163 | 20171 | “ “ Clamp for 198164.....                                                                                          |
| 198164 | 20171 | Controller Bracket 198162 with 198163 and three 51119r, for 193745 to 193747, for Stands Nos. 46909 and 46912..... |
| 198169 | 21443 | Controller Pitman Rod Connection for 193745 to 193747, for Stands Nos. 46909 and 46912.....                        |
| 700792 | 20159 | Name Plate Rivet for 193285 and 193286.....                                                                        |
| 701400 | 20159 | Armature Thrust Washer (pulley end) fibre.....                                                                     |
| 701513 | 20159 | Motor Screw Retaining Washer (fibre) for 193287.....                                                               |

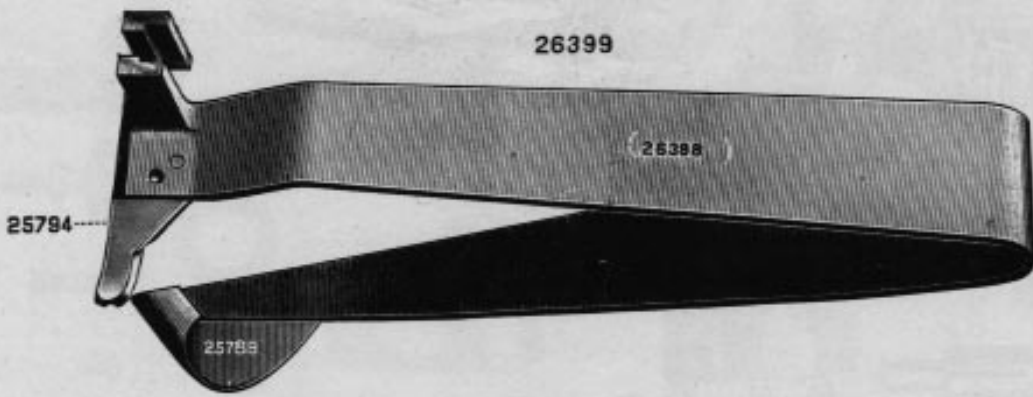
## NUMERICAL LIST OF PARTS

| NO.     | PLATE | NAME                                                                                                                      |
|---------|-------|---------------------------------------------------------------------------------------------------------------------------|
| 701679  | 20162 | Controller Resistance Unit Bell Crank<br>Hinge Screw Nut Lock Washer for<br>193654.....                                   |
| 701690  | 21362 | Controller Resistance Unit Screw Washer<br>(asbestos) for 192862 to 192864, 193646<br>to 193648 and 193851 to 193853..... |
| 701719  | 20159 | Three-Pin Terminal Body (male half)<br>Post Washer for 192797.....                                                        |
| 701909  | 21442 | Singerlight Nipple Nut Insulating Washer<br>(fibre) for 193294 and 193518.....                                            |
| *899287 | —     | Name Plate for 192824, 192826, 193646,<br>193648, 193745, 193747, 193851 and<br>193853.....                               |
| *899326 | —     | Name Plate for 192825.....                                                                                                |
| *899380 | —     | " " " 193285.....                                                                                                         |
| *899381 | —     | " " " 193286.....                                                                                                         |
| *899448 | —     | " " " 193647.....                                                                                                         |
| *899456 | —     | " " " 193746.....                                                                                                         |
| *899531 | 21362 | " " " 193852.....                                                                                                         |

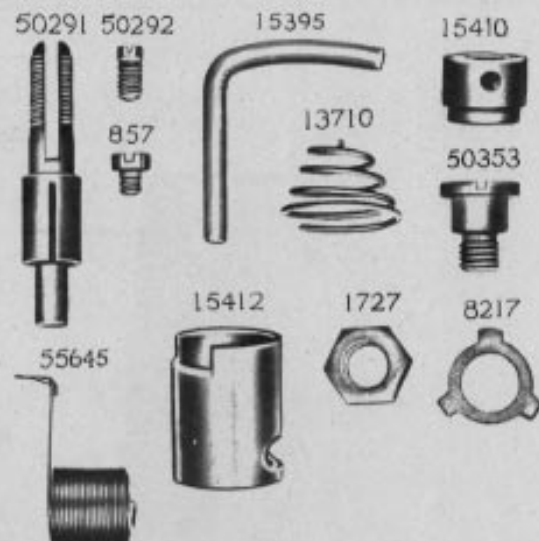
SINGER Needles should be used  
in SINGER Machines.  
These Needles and their Containers  
are marked with the  
Company's Trade Mark "SIMANCO."\*\* 1

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

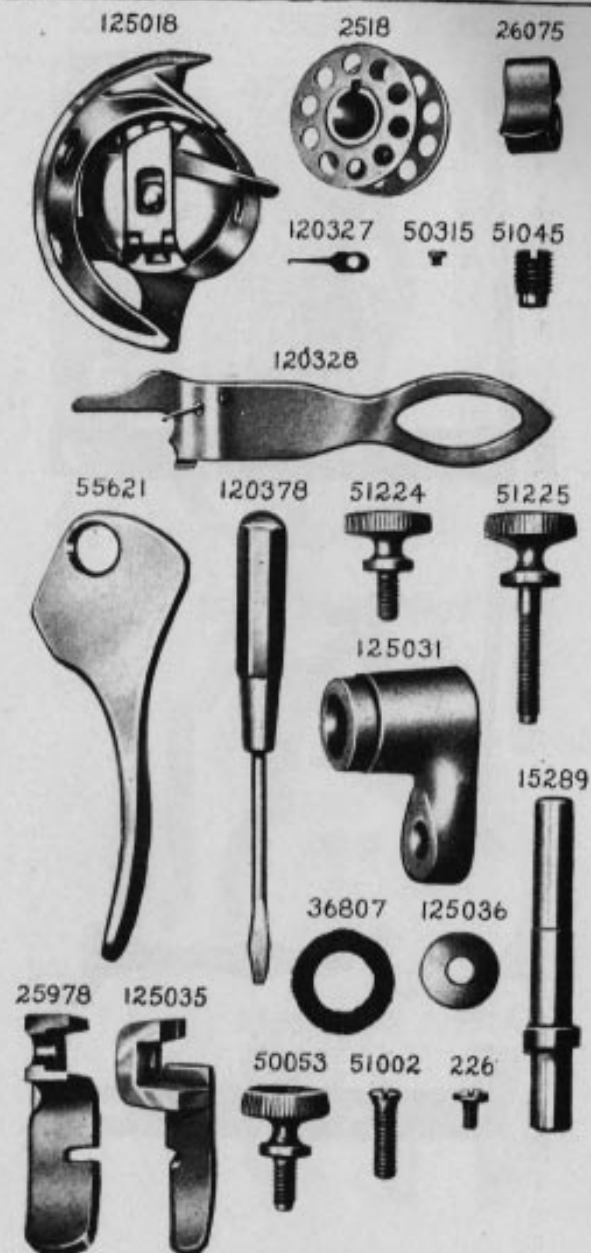
PLATE 1960—FULL SIZE



# PLATE 4918—FULL SIZE



# PLATE 4926 FULL SIZE



35497



35499



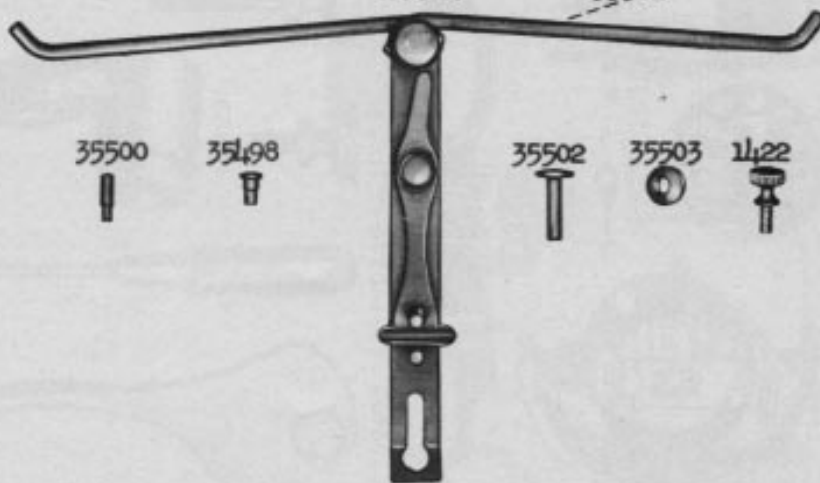
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35498



35504



35501

35502



35503



1422



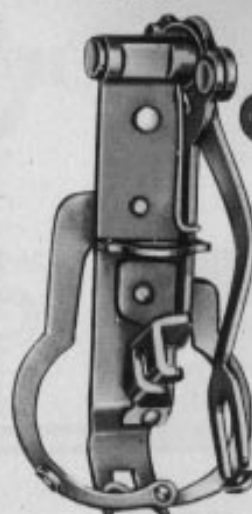
PLATE 4936 - FULL SIZE

PLATE 4937 - FULL SIZE

35483



35496



35485



35486



35487



35492



35493



35491



35494



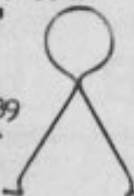
12152



50139



35490



35489



35495



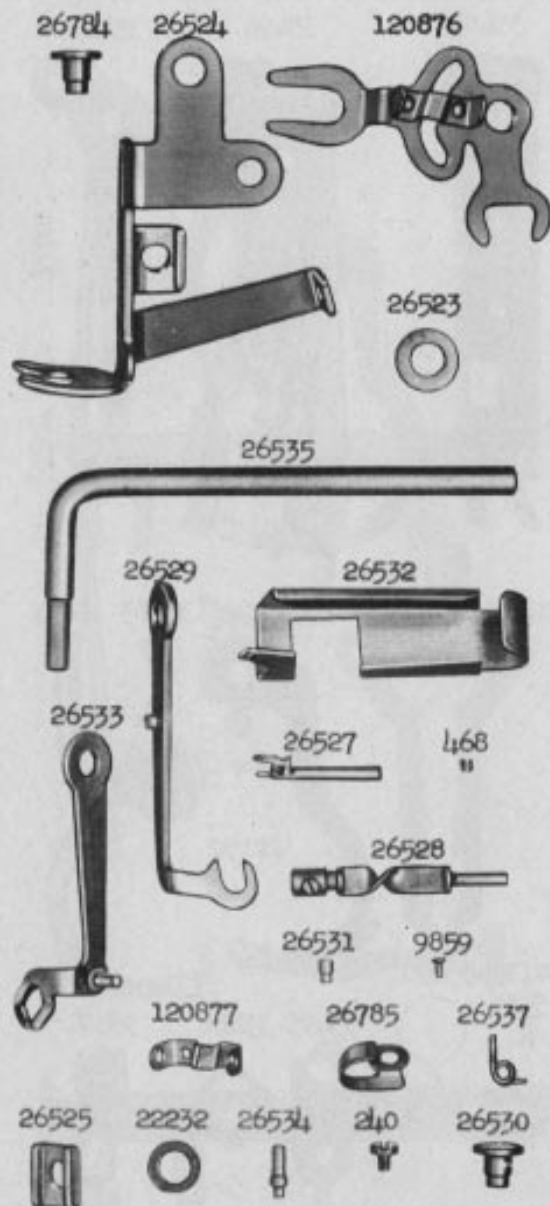
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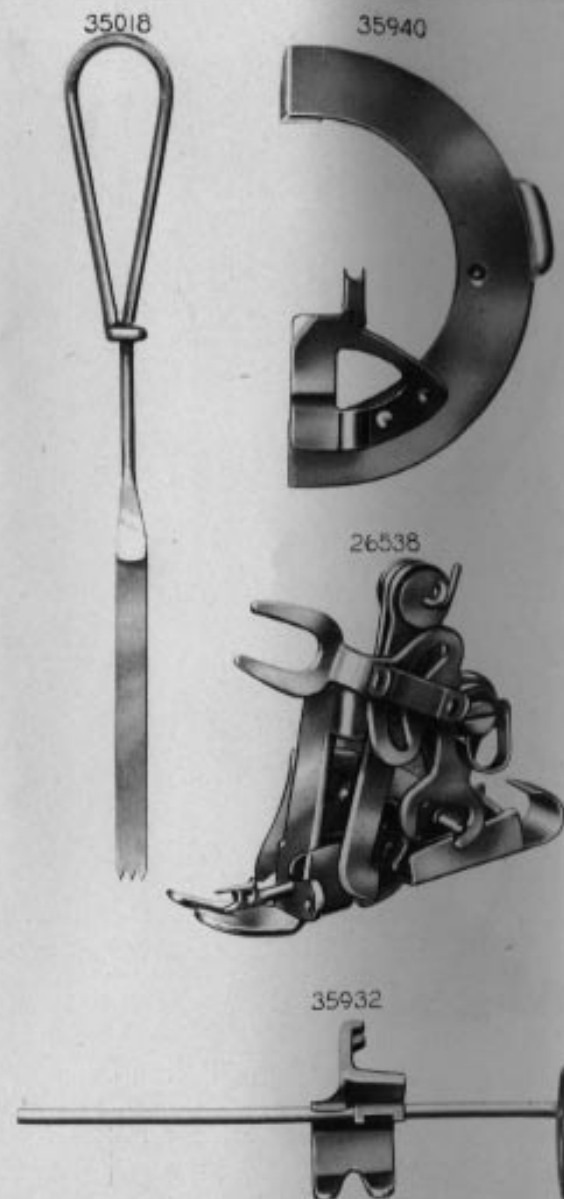
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# PLATE 4938 - FULL SIZE



# PLATE 4940 - FULL SIZE



35497



35499



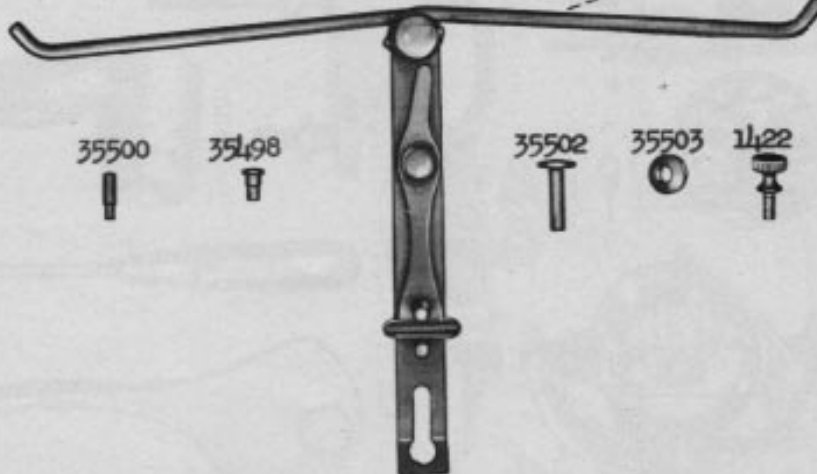
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35498



35504



35501

35502



35503



1422



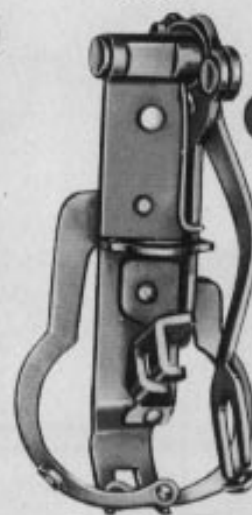
PLATE 4936 - FULL SIZE

PLATE 4937 - FULL SIZE

35483



35496



35485



35486



35487



35492



35493



35491



35494



12152



50139



35490



35489



35495



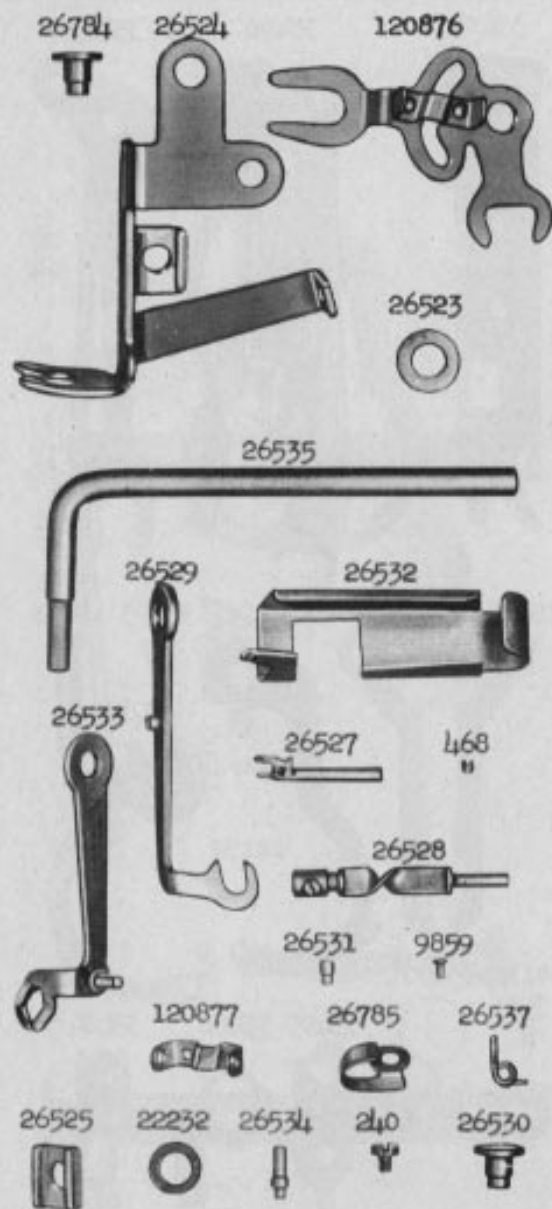
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35484



# PLATE 4938 - FULL SIZE



# PLATE 4940—FULL SIZE

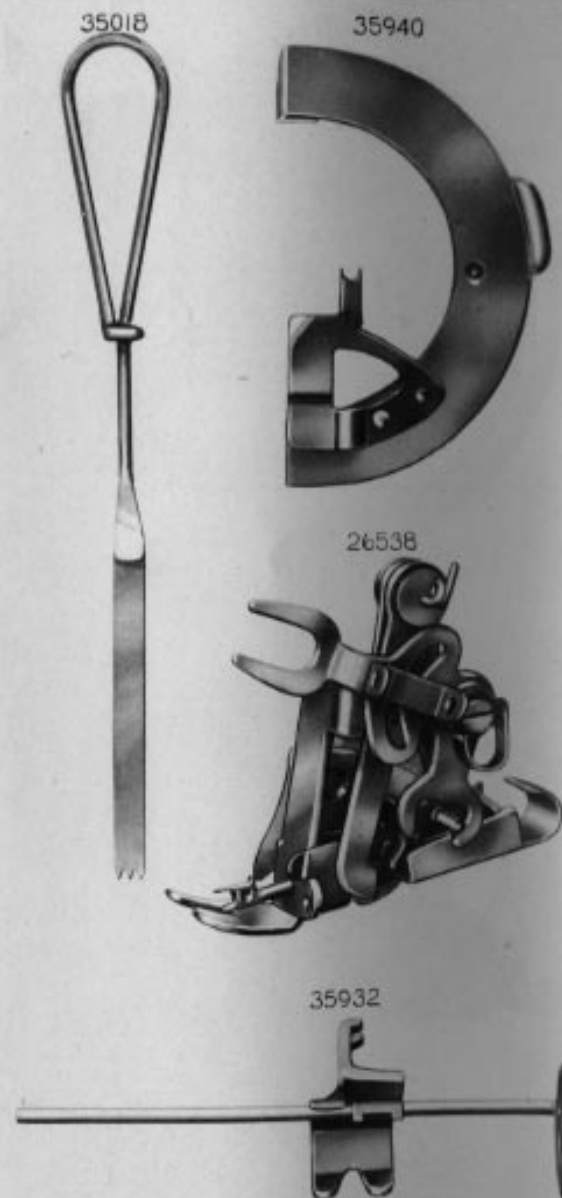
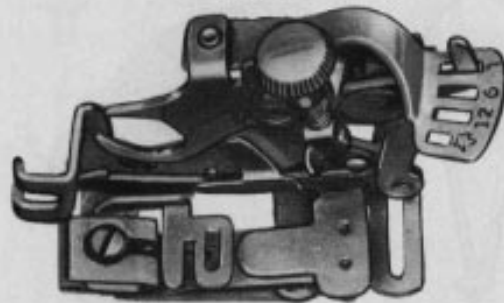


PLATE 4942 - FULL SIZE

120598



36583

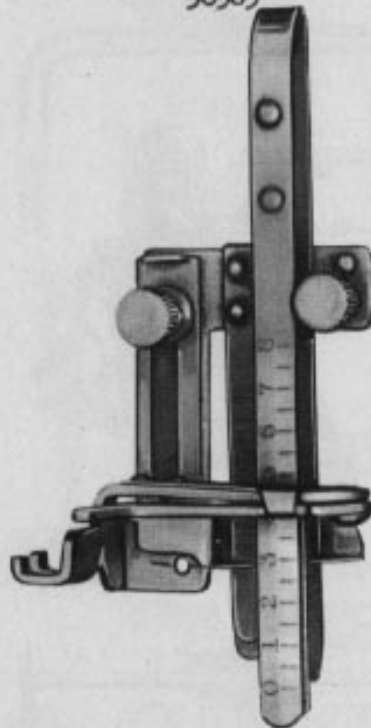


PLATE 4950—ONE-HALF SIZE

15282



193066

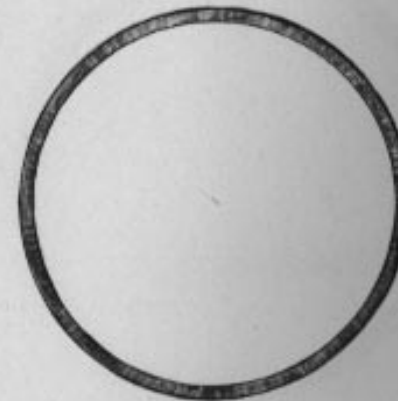


PLATE 4951—ONE-HALF SIZE

32672



193077

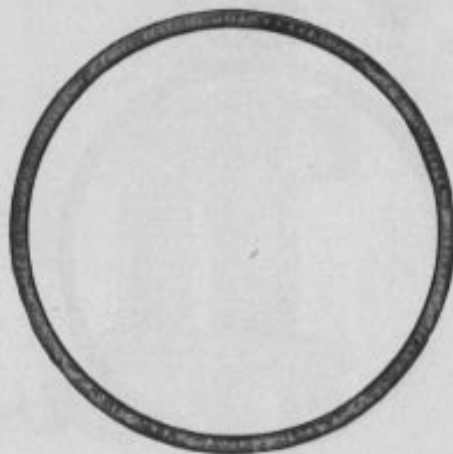


PLATE 4958 - FULL SIZE

120824



35984



25510



289



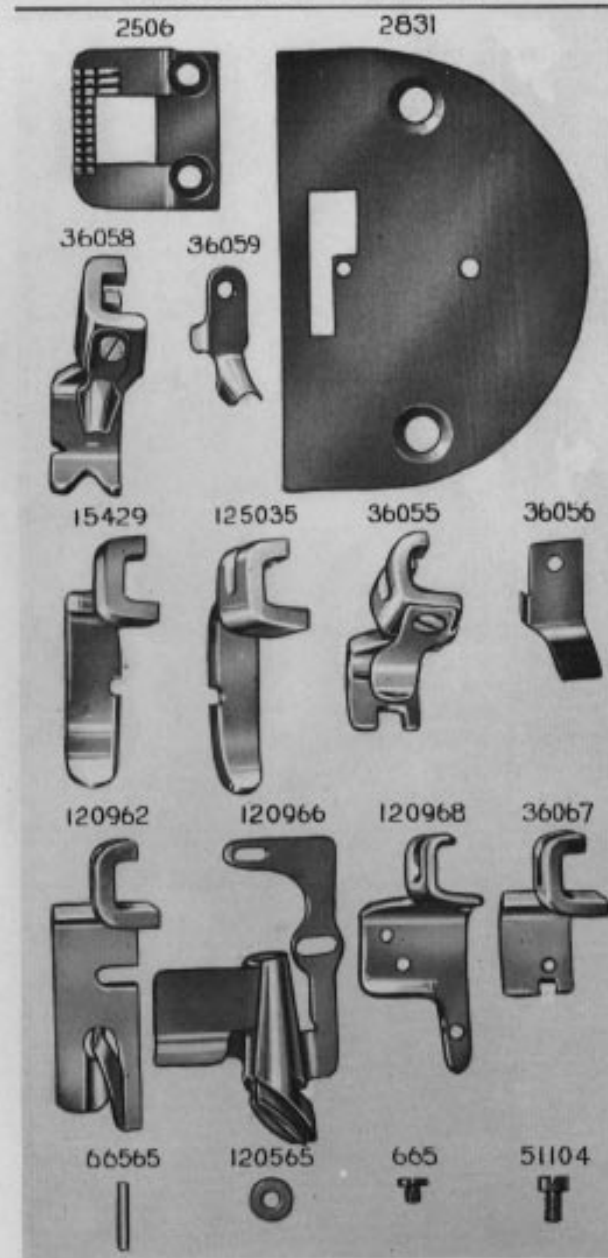
25525



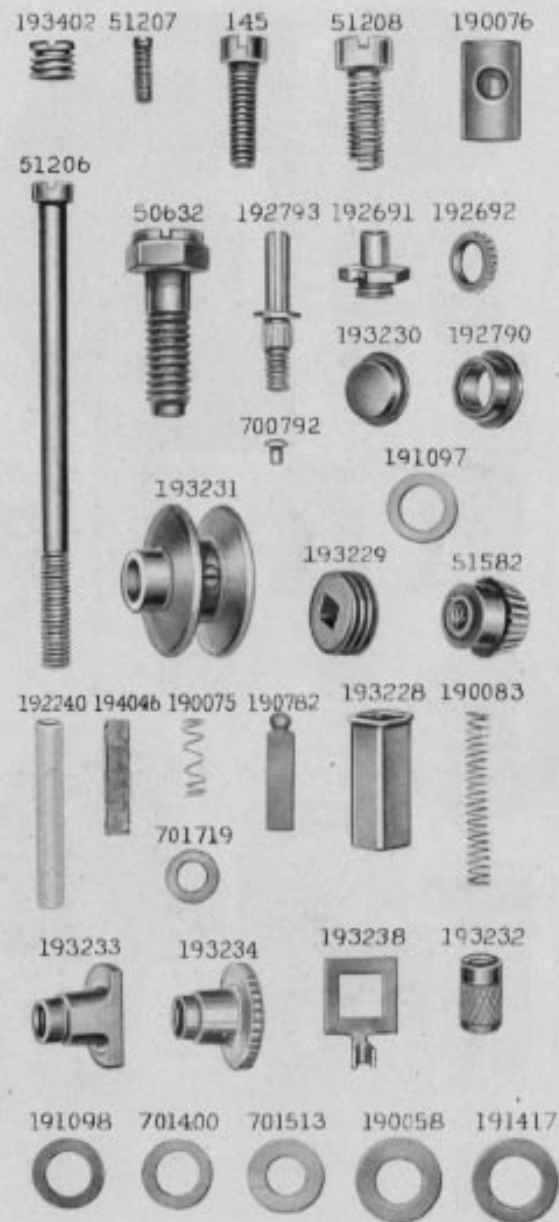
# PLATE 4966—FULL SIZE



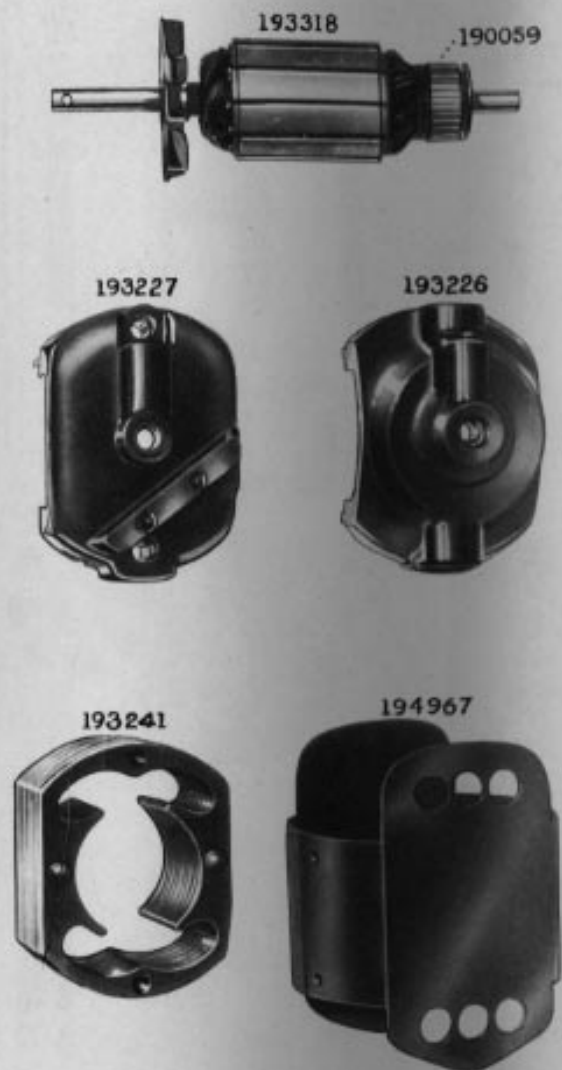
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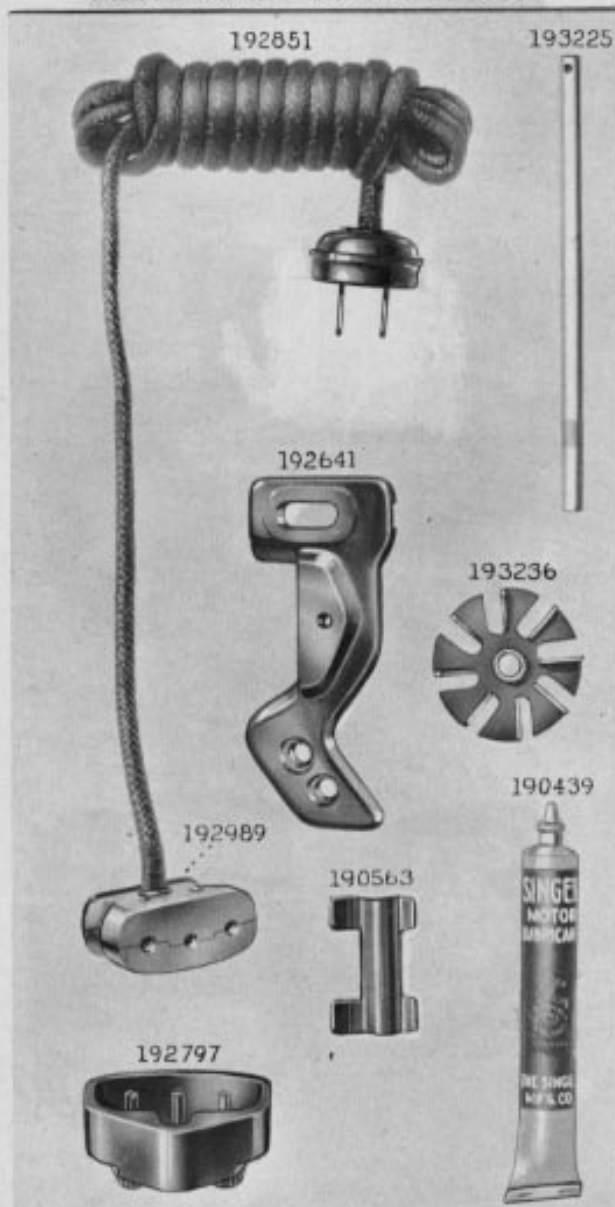
# PLATE 20159—FULL SIZE



# PLATE 20160—ONE-HALF SIZE



# PLATE 20161—ONE-HALF SIZE



# PLATE 20162—FULL SIZE

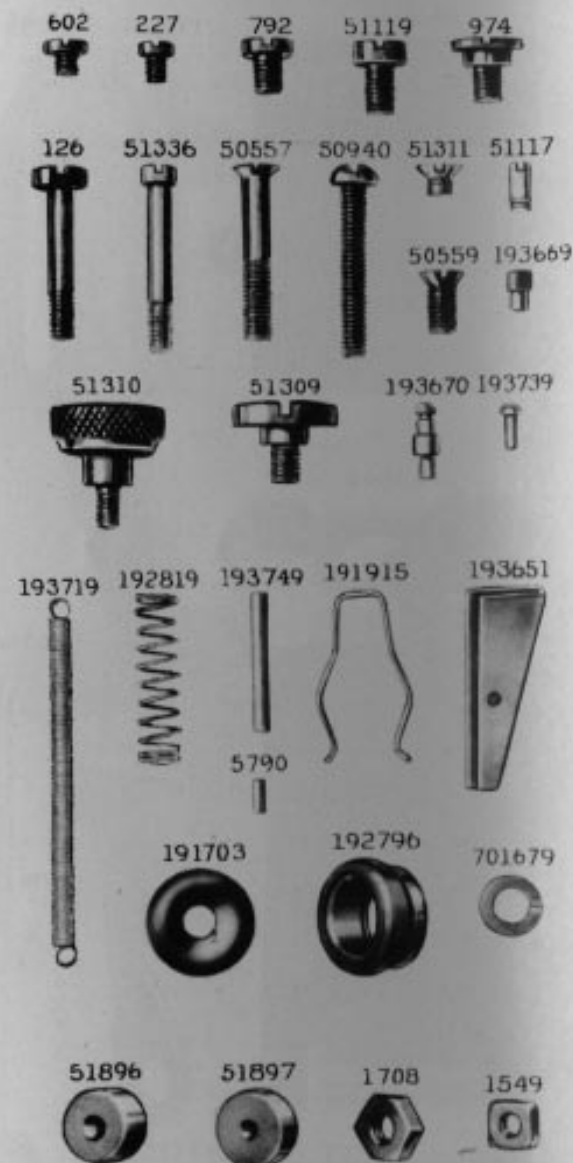


PLATE 20164—ONE-HALF SIZE

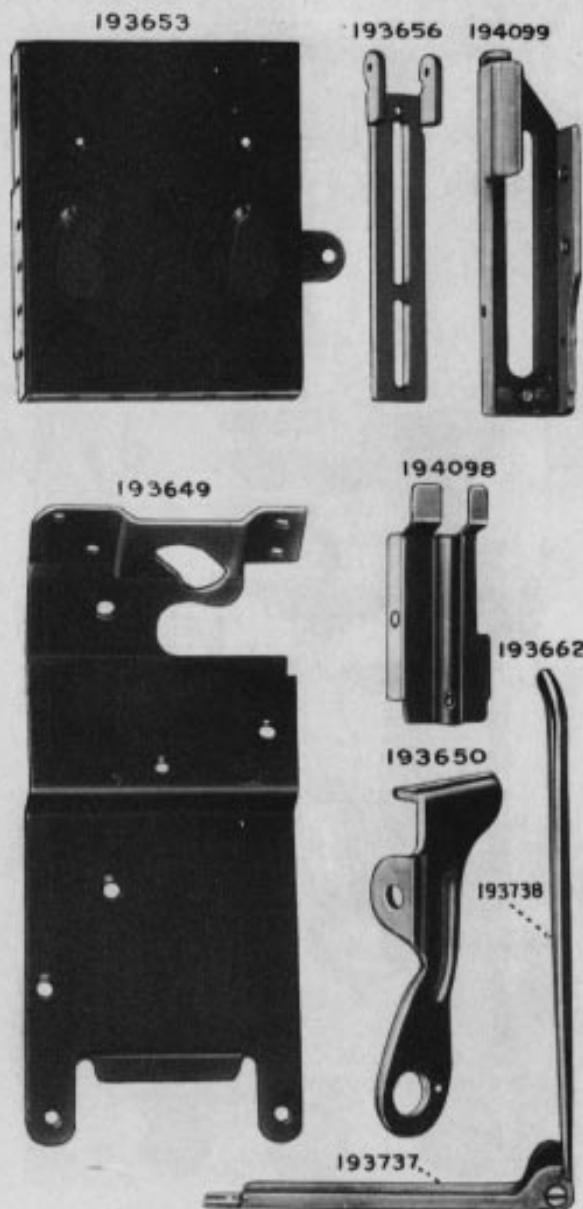
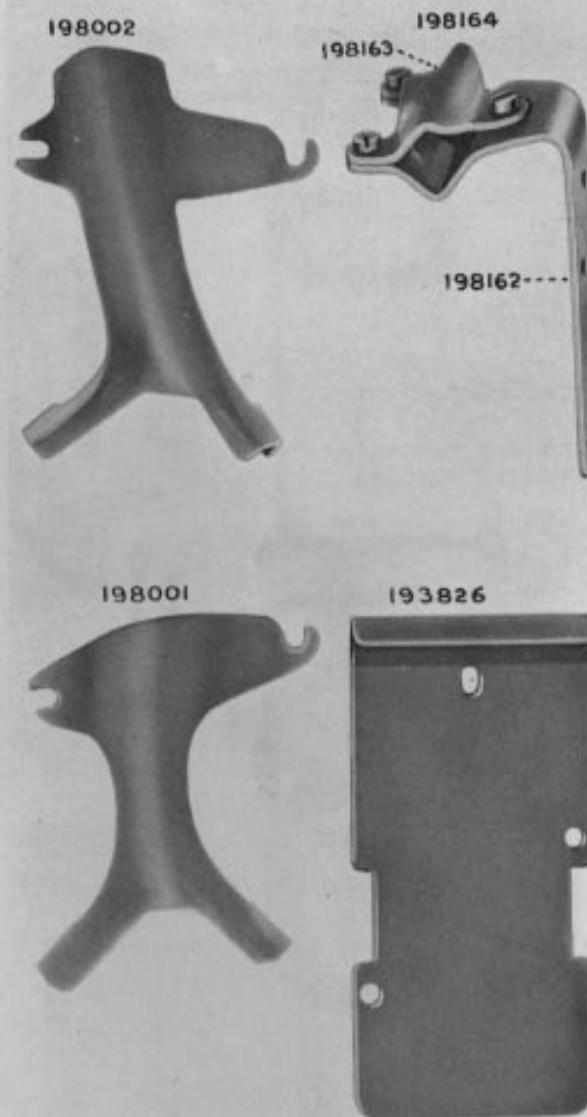
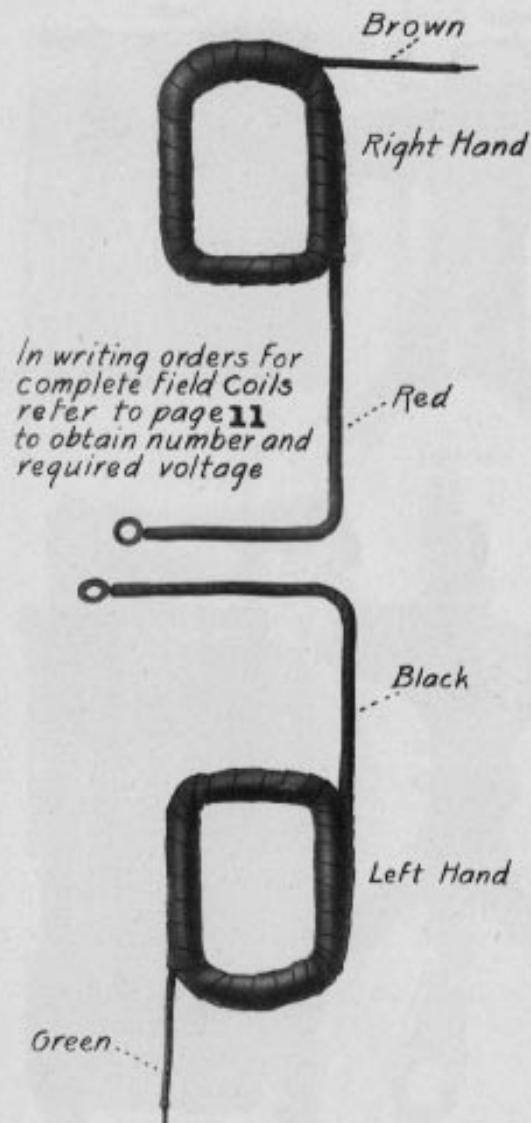


PLATE 20171—ONE-HALF SIZE



# PLATE 20172—ONE-HALF SIZE



# PLATE 21362—FULL SIZE

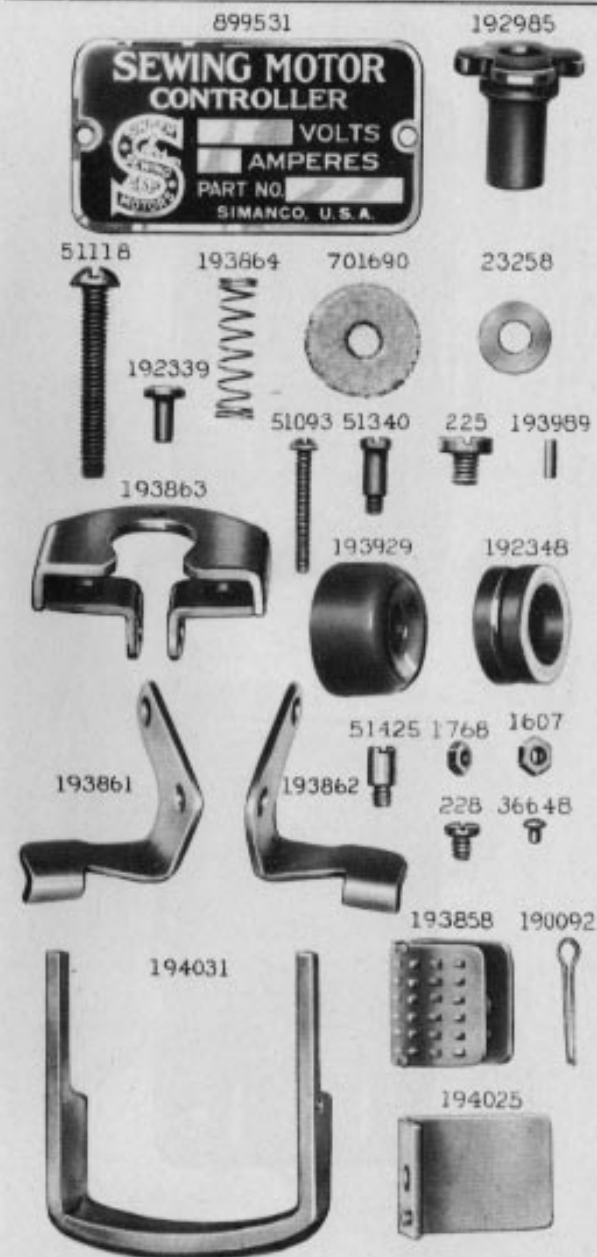


PLATE 21363—ONE-HALF SIZE

194027



193856

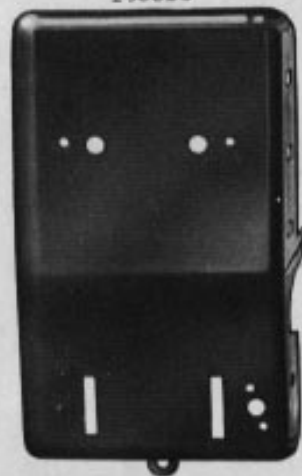


PLATE 21426—FULL SIZE

125059



125050



2007



125047



2509



125330



1813



2022



2068



15313



8879



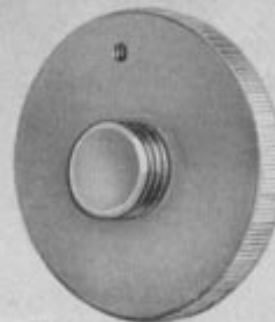
157



248



256



2020



PLATE 21427—ONE-HALF SIZE

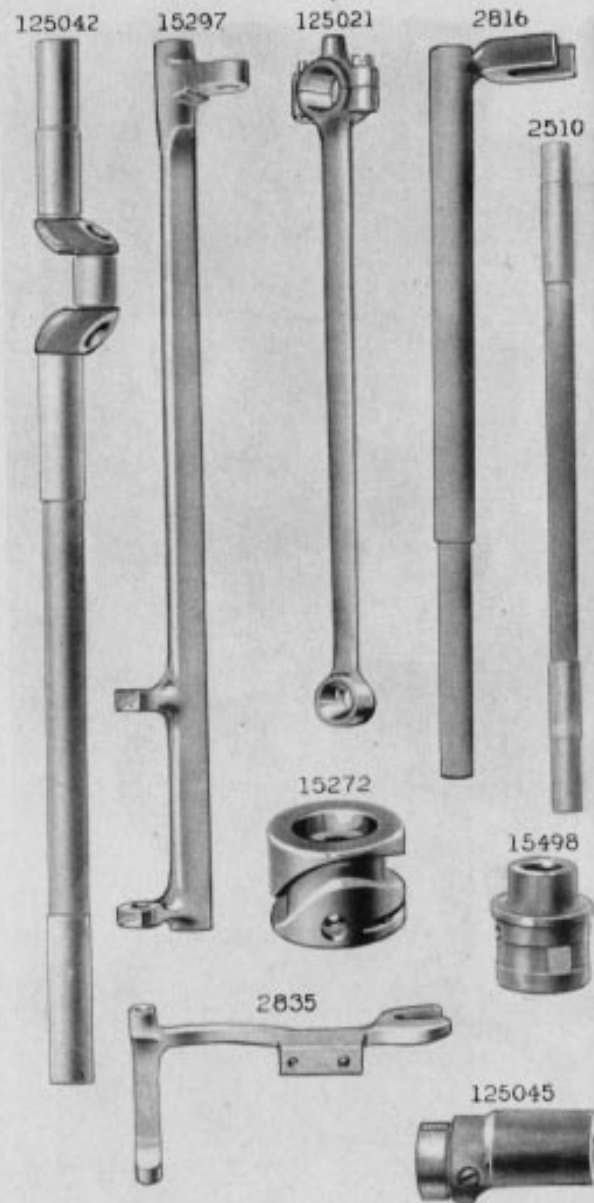
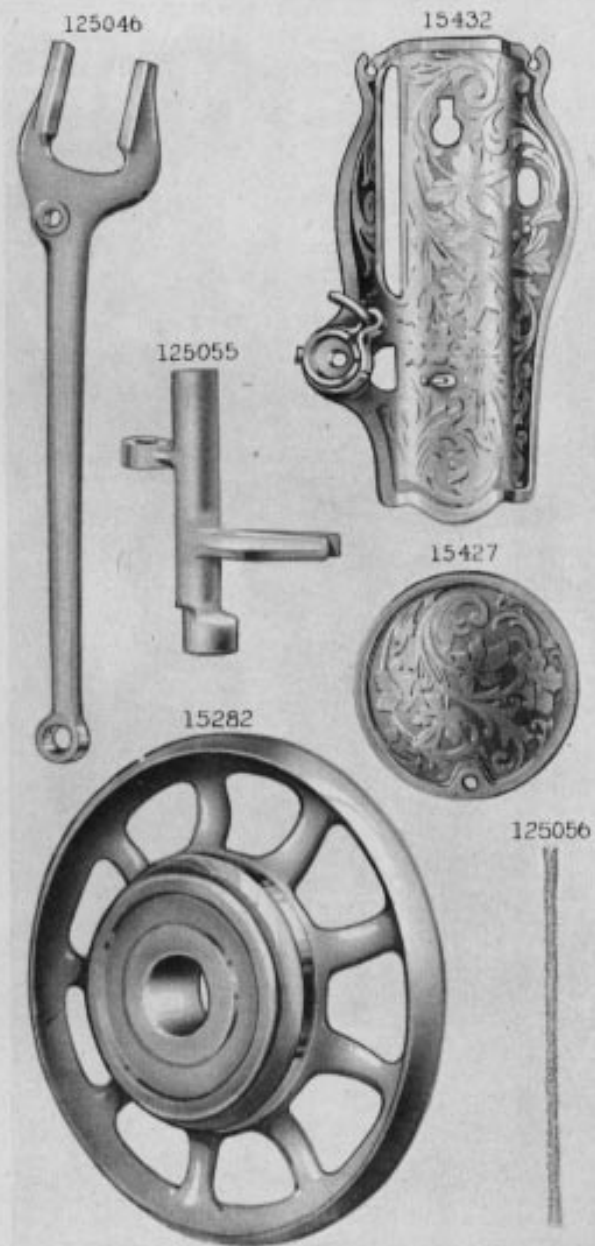
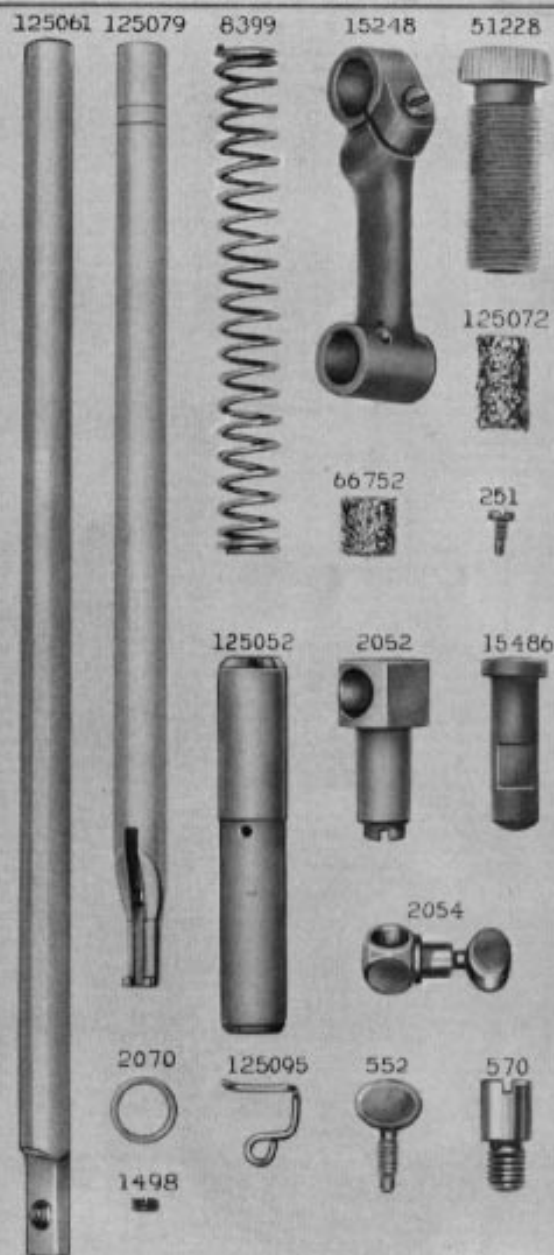


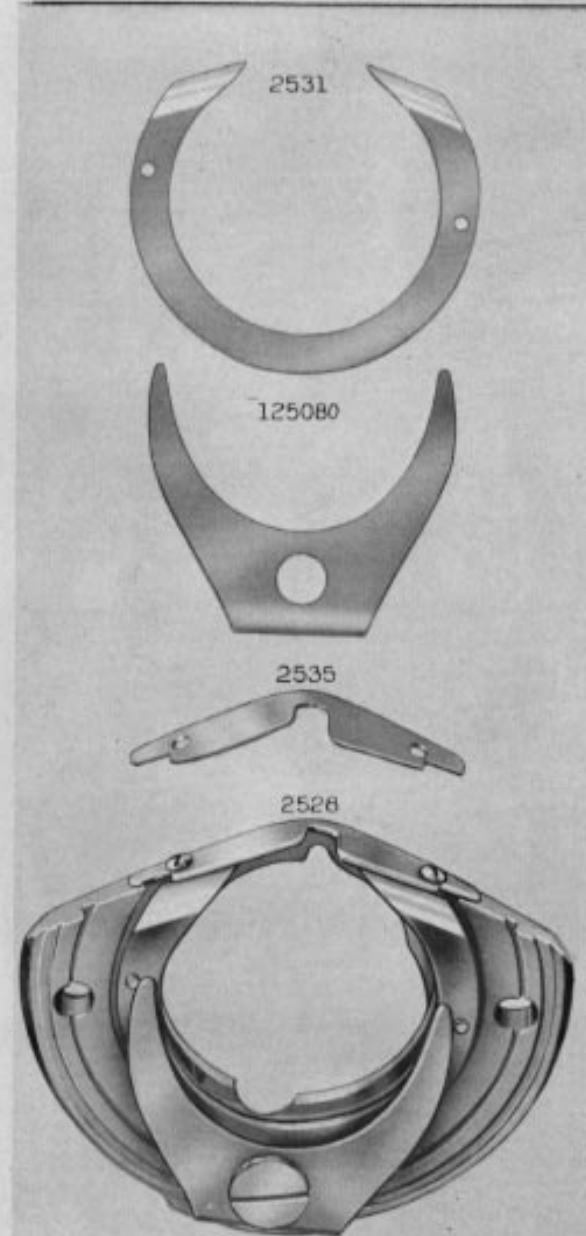
PLATE 21428—ONE-HALF SIZE



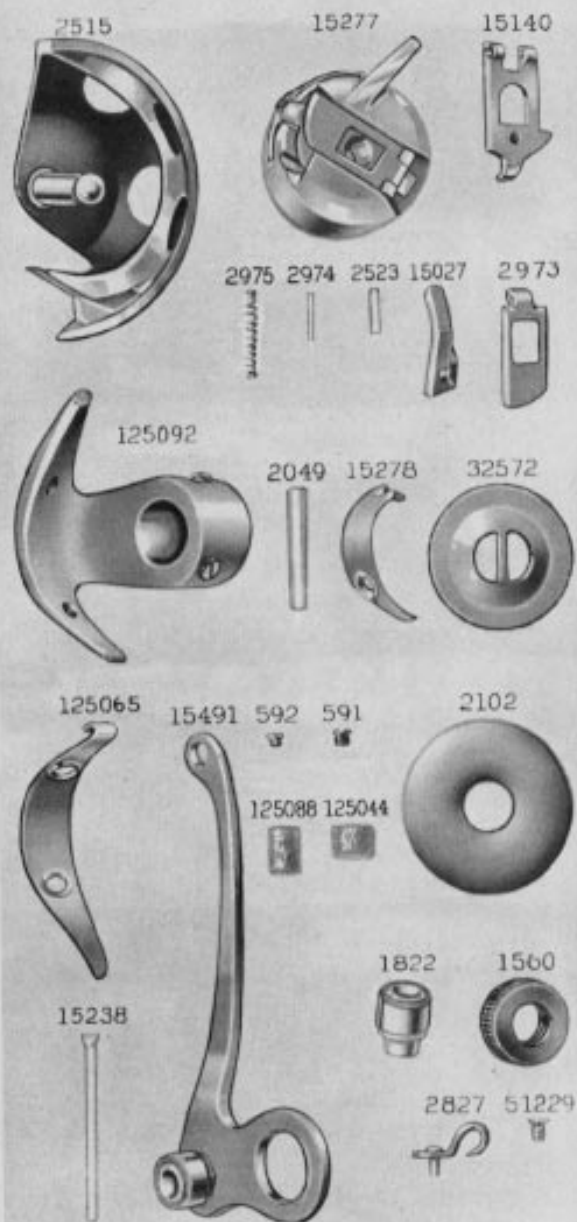
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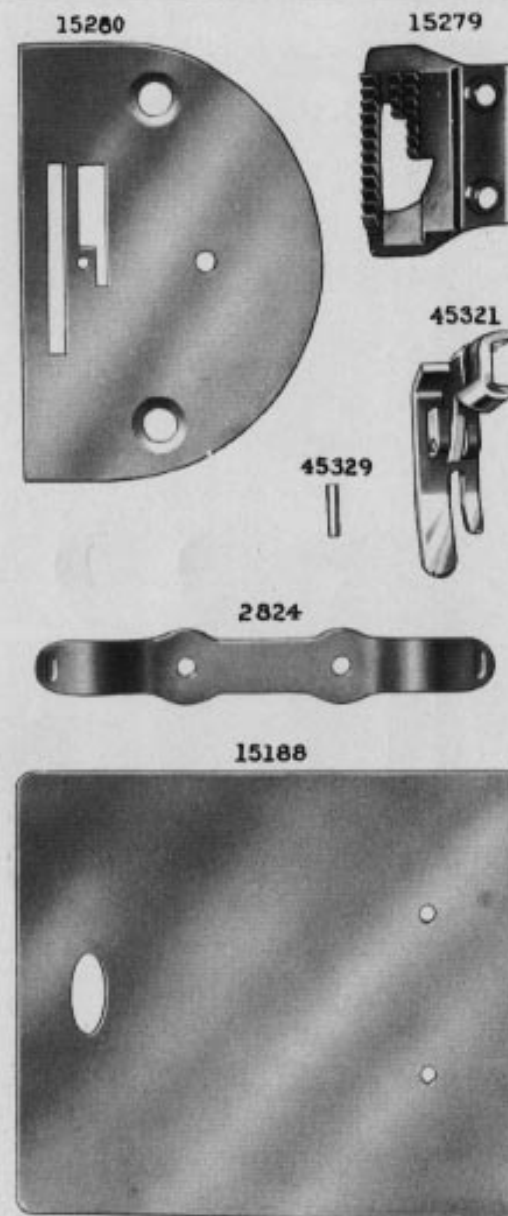
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# PLATE 21431—FULL SIZE

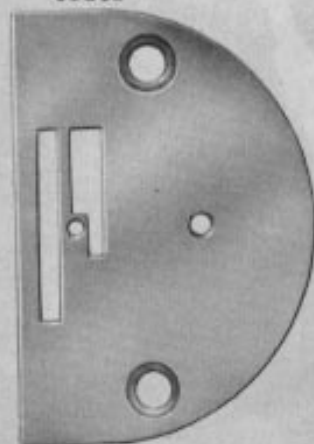


# PLATE 21432—FULL SIZE



# PLATE 21433—FULL SIZE

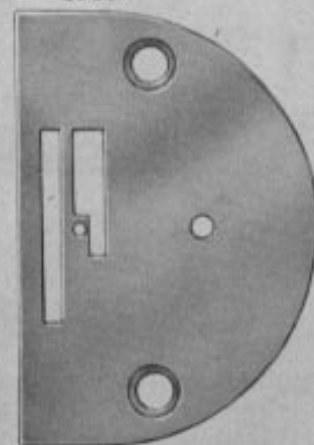
15316



25893



15317



35857



25636



25637



120855



# PLATE 21434—FULL SIZE

138



145



896



155



190



50527



662



50216



208



691



375



1381



648



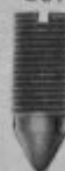
1293



1085



307



315



435



1285



2002



2532



15405



462



453



448



4604



8505



1513



1518



1519



1520



PLATE 21435—FULL SIZE

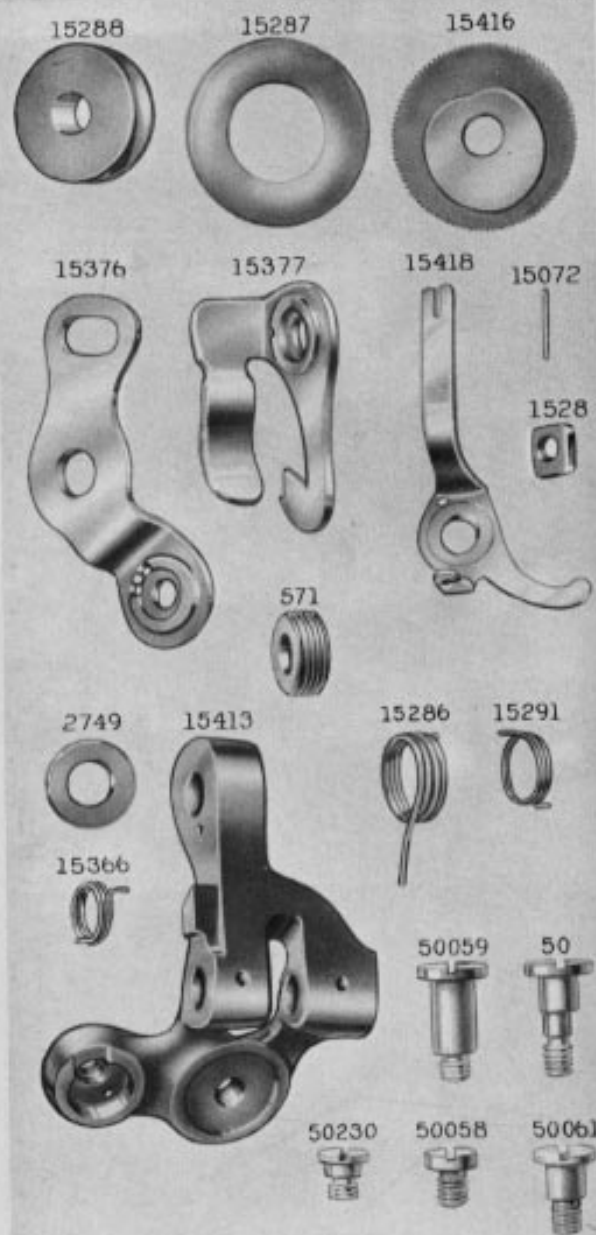


PLATE 21436—FULL SIZE



PLATE 21437—FULL SIZE

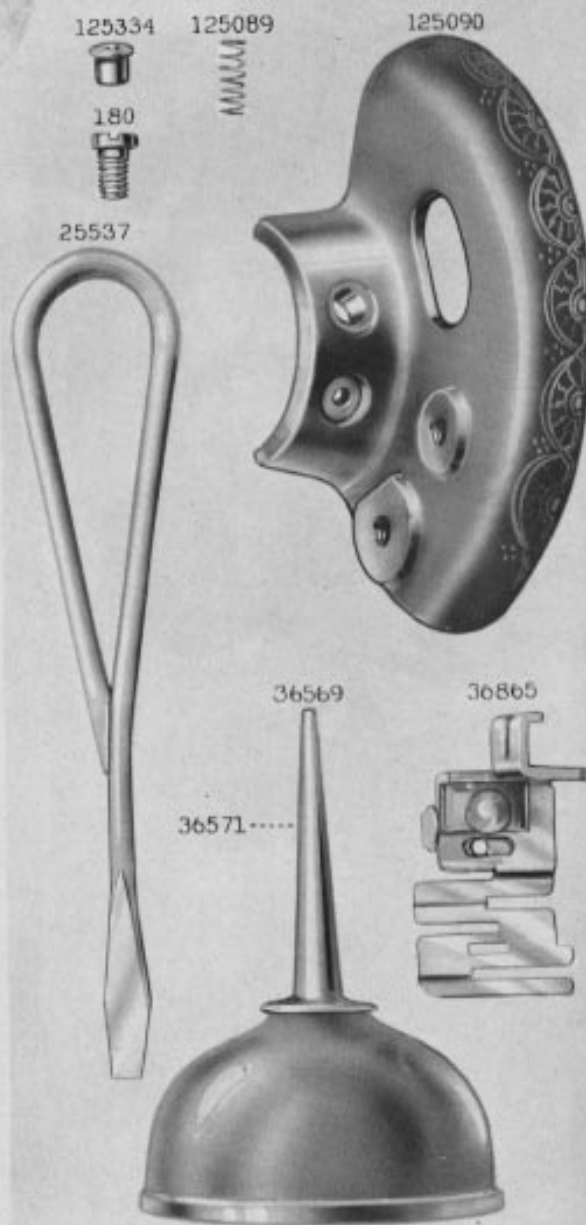


PLATE 21438—FULL SIZE

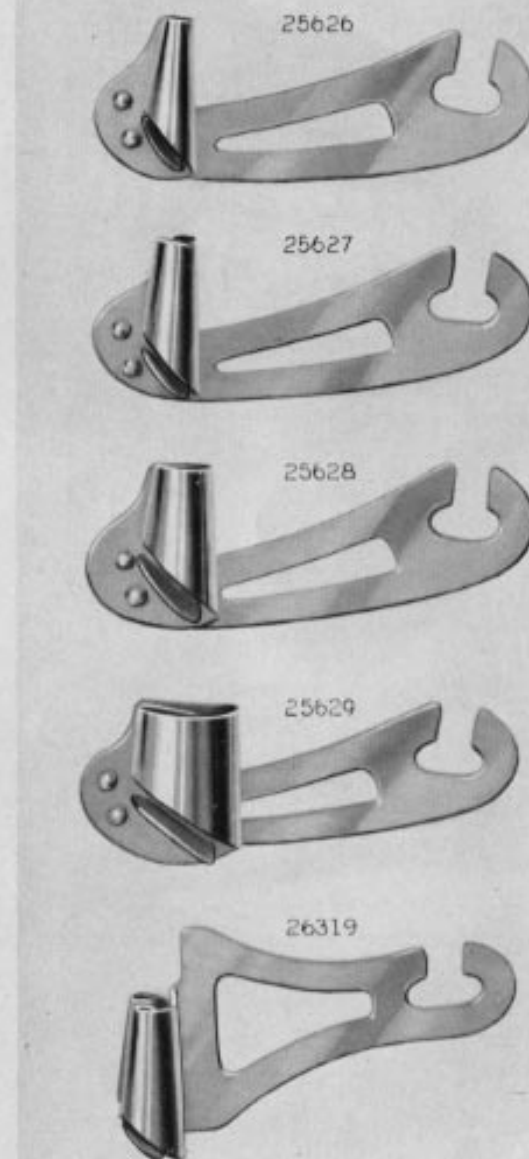


PLATE 21439—FULL SIZE

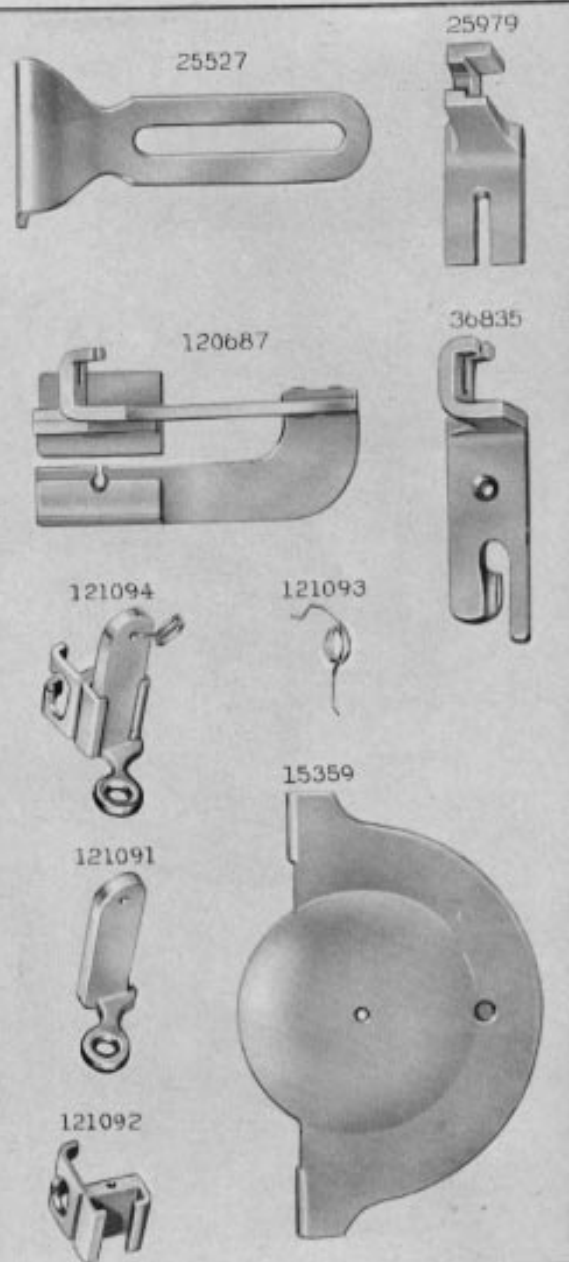
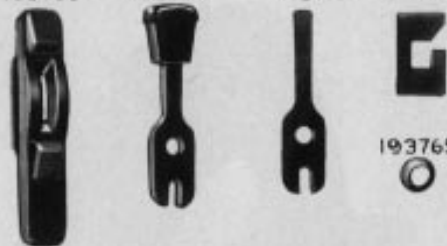


PLATE 21440—FULL SIZE



# PLATE 21441—FULL SIZE

193796 193794 193795 193797



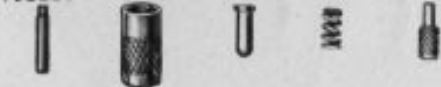
193765



193259 193386 193387 193262



193265 193251 193253 193252 193255



193254 193256 193257 193258



193941



193829



193942 193267



# PLATE 21442—FULL SIZE

193940 193936 193512



51602 701909 193509



193437



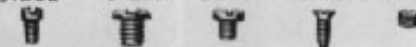
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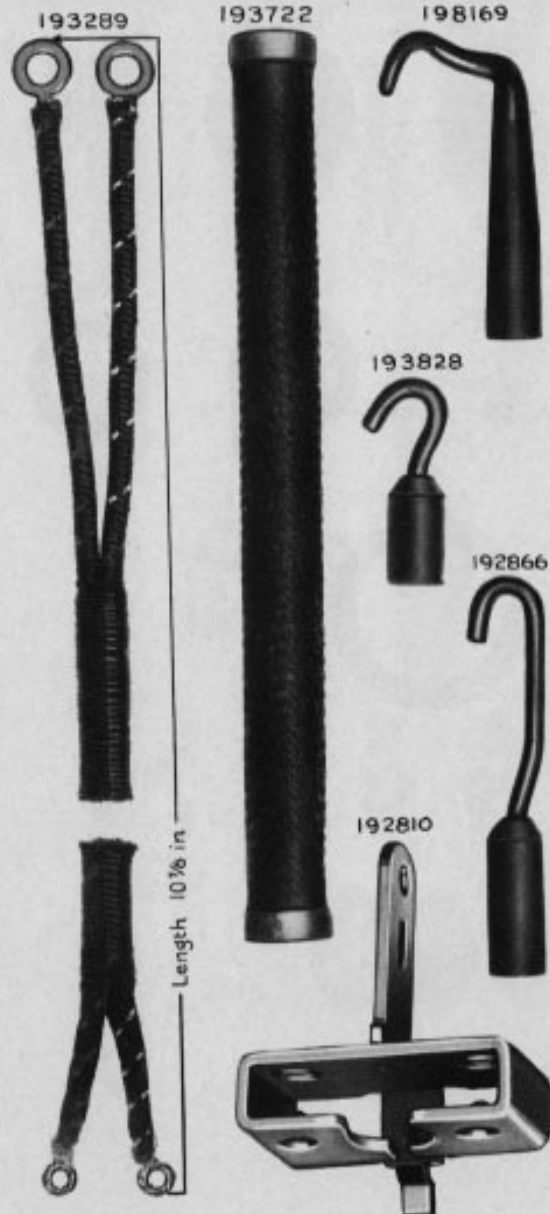
691



51202 51203 50566 51385 50564



# PLATE 21443—FULL SIZE



# PLATE 21444—ONE-HALF SIZE



PLATE 21445—ONE-FOURTH SIZE

193743 192857 193667 192912



193990



194022

