

**SINGER**

**22W23,W25,W38,W111,W113,W133,  
W207**

Form 1874w  
FEBRUARY, 1925  
PRINTED IN U. S. A.

# LIST OF PARTS



**MACHINES**  
Nos. 22w23, 22w25,  
22w38, 22w111, 22w113,  
22w133 and 22w207

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THE SINGER MANUFACTURING COMPANY

# Instructions for Ordering

In ordering from this list, use **ONLY** the **PART** number in the **FIRST** column.

The number stamped on a Sewing Machine Part is the number of the Single Part only, except when the part includes Set Screws, Clamping Screws, Studs and Rollers Spun on, Small Wires riveted, or Parts soldered together, etc., which it is necessary to furnish in combination.

Every combination of parts sent out has its specific number which, although not stamped on Parts (except in above cases) 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 and Plated.
- B. Polished and Plated.
- C. Hardened only.
- D. Polished only.
- E. Soft, not polished.
- F. Hardened and Polished.
- H. Blued.

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

In this series

200001 to 201500 are Screw Numbers.

201501 to 201800 are Nut Numbers.

201801 to 202000 are Roller Numbers.

202001 and upward are numbers of Machine Parts.

The figures in the second column refer only to the plate in which the illustration of the part is shown and are **NOT TO BE USED** in ordering.

Two or more numbers over a cut indicate that the difference between such parts is not visible in an illustration.

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

## LIST OF PARTS COMPLETE

FOR

## MACHINE No. 22w23

DROP FEED

For Collars and Cuffs

In gauges from  $\frac{3}{8}$  to  $\frac{1}{4}$  inch

| No.     | Plate | Name                                                                                                           |
|---------|-------|----------------------------------------------------------------------------------------------------------------|
| *204161 | ---   | Arm with 200439c, 202036 and 204705 .....                                                                      |
| 204163  | 12305 | Arm Cap .....                                                                                                  |
| 200278H | 12311 | " " Screw .....                                                                                                |
| 202248  | 12307 | " " " Washer .....                                                                                             |
| 200963E | 12311 | " Screw (3) .....                                                                                              |
| 202005  | 12308 | " " Washer (3) .....                                                                                           |
| 203202  | 12333 | " Shaft .....                                                                                                  |
| 204705  | 12334 | " " Bushing (front) .....                                                                                      |
| 200439c | 12311 | " " " Position Screw ..                                                                                        |
| 204440  | 12333 | " " Connection with four 200054E (2) .....                                                                     |
| 200054E | 12307 | Arm Shaft Connection Screw ....                                                                                |
| 202299  | ---   | " " Oil Packing (wick) (2)                                                                                     |
| 204805  | 13329 | Balance Wheel, $5\frac{1}{4}$ in. diam. (belt groove $2\frac{3}{4}$ in. diam.), with 200328c and 200335c ..... |
| 200062H | 12311 | Balance Wheel Adjusting Screw ..                                                                               |
| 200328c | 12311 | " " Position Screw ....                                                                                        |
| 200335c | 12311 | " " Set Screw .....                                                                                            |
| *203300 | ---   | Bed with 202062, 203248, 203249, two each 200362c, 200516E, 200840E and 202299 .....                           |
| 202258  | 12345 | Bed Hinge Connection (2) .....                                                                                 |
| 200570E | 12311 | " " " Screw (4) ....                                                                                           |
| 203329  | 11802 | " Slide (back) .....                                                                                           |
| 203301  | 12334 | " " (front) .....                                                                                              |
| 203208  | 12312 | Bobbin (2) .....                                                                                               |
| 203210  | 12312 | " Case Base with 202056, 203211 to 203213 and 203216 ....                                                      |
| 203211  | 12312 | Bobbin Case Base Latch .....                                                                                   |
| *202056 | ---   | " " " " Pin .....                                                                                              |
| 203212  | 12312 | " " " " Plunger ..                                                                                             |
| 203213  | 12312 | " " " " Spring ...                                                                                             |

| No.     | Plate | Name                                                                                                                                     |
|---------|-------|------------------------------------------------------------------------------------------------------------------------------------------|
| 203209  | 12312 | Bobbin Case Cap with 200984c, 203214, 203215 and two 200594c...                                                                          |
| 203214  | 12312 | Bobbin Case Tension Spring .....                                                                                                         |
| 200984c | 12312 | " " " " Regulating Screw .....                                                                                                           |
| 200594c | 12312 | Bobbin Case Tension Spring Screw .....                                                                                                   |
| 203215  | 12312 | " " Thread Guide .....                                                                                                                   |
| 200594c | 12312 | " " " " Screw .....                                                                                                                      |
| 203216  | 12312 | " " Washer (cloth) .....                                                                                                                 |
| 203217  | 12312 | Bobbin Case complete, Nos. 203209 and 203210 .....                                                                                       |
| 221432  | ---   | Compound Presser Bar 202506 with 202737 and 202874 .....                                                                                 |
| 204533  | 12333 | Face Plate with 200366n, 204730, two each 200368n, 202090, 204281 and three 200397n .....                                                |
| 200053c | 12311 | Face Plate Screw .....                                                                                                                   |
| 204730  | 12386 | " " Thread Guide .....                                                                                                                   |
| 200397n | 12309 | " " " " Set Screw .....                                                                                                                  |
| 221444  | 11804 | Face Plate complete, Nos. 200135E, 200319c, 200577n, 204277 to 204279, 204533, 204555, 213873, two each 200309E, 204059 and 213872 ..... |
| 203303  | 12334 | Feed Bar with 204189 .....                                                                                                               |
| 203309  | ---   | " " 203303 with 200214E, 201525E and 204200 .....                                                                                        |
| 200214E | 12386 | Feed Bar Hinge Screw .....                                                                                                               |
| 201525E | 12386 | " " " " Nut .....                                                                                                                        |
| 214424  | 11142 | " " Spring .....                                                                                                                         |
| 204189  | 12306 | " " " Hook .....                                                                                                                         |
| 211642  | 13142 | " Dog, for 211641 .....                                                                                                                  |
| 211648  | 13142 | " " " 211647 .....                                                                                                                       |
| 211654  | 13141 | " " " 211653 .....                                                                                                                       |
| 211784  | 13143 | " " " 211782 .....                                                                                                                       |
| 200106E | 12311 | " " Screw (2) .....                                                                                                                      |
| 200075E | 11801 | " " Support Screw .....                                                                                                                  |
| 201535E | 11801 | " " " " Nut .....                                                                                                                        |
| 213032  | 11801 | " Driving Cam with 200378c and 200437c .....                                                                                             |
| 204192  | ---   | Feed Driving Cam Fork Lever with 204195 and 204293 .....                                                                                 |
| 204193  | 12334 | Feed Driving Cam Fork Lever Connection with 200668c and 201525E .....                                                                    |
| 204194  | 12306 | Feed Driving Cam Fork Lever Connection Clamp with 200031F .....                                                                          |
| 200031F | 12311 | Feed Driving Cam Fork Lever Connection Clamp Pinch Screw .....                                                                           |
| 200668c | 12386 | Feed Driving Cam Fork Lever Connection Clamp Screw Stud .....                                                                            |

| No.     | Plate | Name                                                                           |
|---------|-------|--------------------------------------------------------------------------------|
| 201525E | 12386 | Feed Driving Cam Fork Lever Connection Clamp Screw Stud .....                  |
| 200002E | 12332 | Feed Driving Cam Fork Lever Connection Hinge Screw .....                       |
| 201522E | 12332 | Feed Driving Cam Fork Lever Connection Hinge Screw Nut .....                   |
| *204195 | ---   | Feed Driving Cam Fork Lever Shaft .....                                        |
| 204197  | 12306 | Feed Driving Cam Fork Lever Shaft Collar with 200113F .....                    |
| 200113F | 12308 | Feed Driving Cam Fork Lever Shaft Collar Set Screw .....                       |
| 204293  | 12308 | Feed Driving Cam Fork Lever Shaft Position Pin .....                           |
| 204196  | 12307 | Feed Driving Cam Fork Lever Shaft Sleeve (split) .....                         |
| 200043c | 12311 | Feed Driving Cam Fork Lever Shaft Sleeve Set Screw .....                       |
| 201524E | 12332 | Feed Driving Cam Fork Lever Shaft Sleeve Set Screw Nut ...                     |
| 204198  | 12334 | Feed Driving Cam Fork Lever complete, Nos. 204192 and 204194 ..                |
| 200437c | 12311 | Feed Driving Cam Position Screw .....                                          |
| 200378c | 12311 | " " " Set Screw ....                                                           |
| 204199  | 12333 | " " Rock Shaft .....                                                           |
| 206554  | ---   | " " " " 204199 with 200002E, 201522E and 204193 ...                            |
| 202305  | 12307 | Feed Driving Rock Shaft Center (2) .....                                       |
| 200043c | 12311 | " " " " " Set Screw (2) .....                                                  |
| 204200  | 12305 | Feed Driving Rock Shaft Crank with 204189 (on left side) and two 200383c ..... |
| 200383c | 12311 | Feed Driving Rock Shaft Crank Set Screw .....                                  |
| 203454  | 11801 | Feed Lifting Cam with 200353c and 202126 .....                                 |
| 204202  | 12308 | Feed Lifting Cam Fork with 200027E .....                                       |
| 200027E | 12332 | " " " " Pinch Screw .....                                                      |
| 202126  | 12308 | " " " Position Pin ....                                                        |
| 200353c | 11801 | " " " Set Screw .....                                                          |
| 203305  | 12334 | " " Rock Shaft .....                                                           |
| 203315  | 12334 | " " " " 203305 with 203238 .....                                               |
| 202305  | 12307 | Feed Lifting Rock Shaft Center (2) .....                                       |
| 200043c | 12311 | " " " " " Set Screw (2) .....                                                  |
| 202276  | 12308 | Feed Lifting Rock Shaft Slide Block .....                                      |

| No.     | Plate | Name                                                                           |
|---------|-------|--------------------------------------------------------------------------------|
| 203238  | 12308 | Feed Lifting Rock Shaft Slide Block 202276 with 200243e and 201531e .....      |
| 200243e | 12332 | Feed Lifting Rock Shaft Slide Block Hinge Screw .....                          |
| 201531e | 12308 | Feed Lifting Rock Shaft Slide Block Hinge Screw Nut .....                      |
| 204206  | 12306 | Feed Regulating Handle .....                                                   |
| 204207  | 12334 | " " " 204206 with 200098e, 202622, 204208 to 204210, 204213 and 204925 .....   |
| 204208  | 12307 | Feed Regulating Handle Adjustable Stop .....                                   |
| 200098e | 12307 | Feed Regulating Handle Adjustable Stop Screw .....                             |
| 204925  | 12306 | Feed Regulating Handle Adjustable Stop Screw Washer .....                      |
| 204209  | 12307 | Feed Regulating Handle Position Pin .....                                      |
| 204210  | 12306 | Feed Regulating Handle Shaft .....                                             |
| 204211  | 12306 | " " " " Crank with 200098e .....                                               |
| 204212  | 12307 | Feed Regulating Handle Shaft Crank Link .....                                  |
| 200271e | 12311 | Feed Regulating Handle Shaft Crank Link Hinge Screw (lower) .....              |
| 200291e | 12307 | Feed Regulating Handle Shaft Crank Link Hinge Screw (upper) .....              |
| 200098e | 12307 | Feed Regulating Handle Shaft Crank Set Screw .....                             |
| 204213  | 12307 | Feed Regulating Handle Shaft Sleeve (split) .....                              |
| 200362c | 12311 | Feed Regulating Handle Shaft Sleeve Set Screw .....                            |
| 202622  | 12306 | Feed Regulating Handle Shaft Sleeve Washer .....                               |
| 202036  | 12332 | Feed Regulating Handle Stop Pin .....                                          |
| 204214  | —     | Feed Regulating Handle complete, Nos. 200291e, 204207, 204211 and 204212 ..... |
| *203674 | —     | Hook (sewing) .....                                                            |
| 203675  | 11801 | " 203674 with 201253e, 201376e and 203251 .....                                |
| 203676  | —     | Hook and Bobbin Case complete, Nos. 203217 and 203675 .....                    |
| 203241  | 11007 | Hook Bevel Gear Socket, 24 teeth .....                                         |
| 200555H | 11007 | " " " " Screw .....                                                            |
| 203242  | 11007 | " " Pinion, 24 teeth, with two 200383c (2) .....                               |

| No.     | Plate | Name                                                                        |
|---------|-------|-----------------------------------------------------------------------------|
| 200383c | 12311 | Hook Bevel Pinion Set Screw .....                                           |
| 203306  | 12333 | " Counter Shaft .....                                                       |
| 203244  | 11007 | " " " Collar with two 200393c .....                                         |
| 200393c | 11007 | Hook Counter Shaft Collar Set Screw .....                                   |
| 203245  | 11007 | Hook Counter Shaft Driving Gear, 44 teeth, with 200362c and 200439c .....   |
| 200439c | 12311 | Hook Counter Shaft Driving Gear Position Screw .....                        |
| 200362c | 12311 | Hook Counter Shaft Driving Gear Set Screw .....                             |
| 203246  | 11007 | Hook Counter Shaft Gear, 22 teeth, with two 200383c .....                   |
| 200383c | 12311 | Hook Counter Shaft Gear Set Screw .....                                     |
| 202299  | —     | " " " Oil Packing (wick) .....                                              |
| 200840e | 11007 | Hook Counter Shaft Oil Packing (wick) Stop Screw .....                      |
| 203247  | 12333 | Hook Driving Shaft .....                                                    |
| 203248  | 12234 | " " " Bearing with 202299 .....                                             |
| 202299  | —     | Hook Driving Shaft Bearing Oil Packing (wick) .....                         |
| 202126  | 12308 | Hook Driving Shaft Bearing Position Pin .....                               |
| 200516e | 12311 | Hook Driving Shaft Bearing Screw .....                                      |
| 203249  | 11007 | " " " Bushing (eccentric) .....                                             |
| 202299  | —     | Hook Driving Shaft Bushing Oil Packing (wick) .....                         |
| 200362c | 12311 | Hook Driving Shaft Bushing Set Screw .....                                  |
| 213141  | 11801 | Hook Driving Shaft Collar with two 200393c .....                            |
| 200393c | 11007 | Hook Driving Shaft Collar Set Screw .....                                   |
| 203251  | 12312 | Hook Gib .....                                                              |
| 201376e | 13136 | " " Hinge Screw .....                                                       |
| 201253e | 13136 | " " Screw .....                                                             |
| 203307  | 12335 | " Saddle (left or right) with 202299 .....                                  |
| 202299  | —     | Hook Saddle Oil Packing (wick) .....                                        |
| 200006e | 11007 | " " Screw (4) .....                                                         |
| 225585  | 11007 | " " " Washer (4) .....                                                      |
| 213035  | 11029 | " Washer .....                                                              |
| 213741  | 11805 | Hook Saddle complete, Nos. 200555H, 203241, 203307, 203676 and 213035 ..... |

| No.     | Plate | Name                                                                                                                            |
|---------|-------|---------------------------------------------------------------------------------------------------------------------------------|
| 203677  | —     | Hook Saddle Combination(left and right) complete, Nos. two 213741                                                               |
| 208490  | —     | Knee Lifter Connection Lever ....                                                                                               |
| 227311  | —     | " " " " 208490<br>with 227302, 227308 and two 200262H .....                                                                     |
| 200262H | 12306 | Knee Lifter Connection Lever Hinge Screw .....                                                                                  |
| 227308  | 11125 | Knee Lifter Connection Lever Lifting Rod with 202302 .....                                                                      |
| 202302  | 12306 | Knee Lifter Connection Lever Lifting Rod Cotter Pin .....                                                                       |
| 227302  | 11125 | Knee Lifter Lifting Lever .....                                                                                                 |
| 200262H | 12306 | " " " " Hinge Screw .....                                                                                                       |
| 231390  | 11802 | Needle Bar (hollow) .....                                                                                                       |
| 204248  | 12307 | " " Connecting Link ....                                                                                                        |
| 200658C | 12307 | " " " " Hinge Screw Stud .....                                                                                                  |
| 200380C | 12319 | Needle Bar Connecting Link Hinge Screw Stud Set Screw .....                                                                     |
| 204249  | 12308 | Needle Bar Connecting Stud with 200072C and 202277 .....                                                                        |
| 202277  | —     | Needle Bar Connecting Stud Oil Packing (wick) .....                                                                             |
| 200072C | 12308 | Needle Bar Connecting Stud Pinch Screw .....                                                                                    |
| 204326  | —     | Needle Bar Packing Cord (2) ....                                                                                                |
| 200504E | 12386 | " " Screw Bushing (lower)                                                                                                       |
| 200503B | 12386 | " " " " (upper)                                                                                                                 |
| 231383  | 13140 | " Holder, in gauges from $\frac{3}{8}$ to $\frac{1}{2}$ in., in steps of $\frac{1}{16}$ in., with 201030F and two 200141F ..... |
| 201030F | 13136 | Needle Holder Screw .....                                                                                                       |
| 200141F | 12332 | " Set Screw .....                                                                                                               |
| 202506  | 11802 | Presser Bar (hollow) .....                                                                                                      |
| 202509  | 13084 | " " Auxiliary Bar with 200543H .....                                                                                            |
| 202510  | 13084 | Presser Bar Auxiliary Bar Collar with 200141F .....                                                                             |
| 200141F | 12332 | Presser Bar Auxiliary Bar Collar Set Screw .....                                                                                |
| 200543H | 13084 | Presser Bar Auxiliary Bar Foot Screw .....                                                                                      |
| 202512  | 13084 | Presser Bar Auxiliary Bar Pin ....                                                                                              |
| 202513  | 13084 | " " " " Spring..                                                                                                                |
| *206904 | —     | " " Bracket .....                                                                                                               |

| No.     | Plate | Name                                                                                                                   |
|---------|-------|------------------------------------------------------------------------------------------------------------------------|
| 202507  | 13084 | Presser Bar Bracket 206904 with 200387C .....                                                                          |
| 202874  | —     | Presser Bar Bracket 202507 with 202509, 202510, 202512 and 202513 .....                                                |
| 200387C | 12376 | Presser Bar Bracket Set Screw ...                                                                                      |
| 204252  | 12308 | " " Lifter .....                                                                                                       |
| 200550C | 12311 | " " " " Hinge Screw ..                                                                                                 |
| 204253  | 12308 | " " Lifting Bracket with 200086C .....                                                                                 |
| 200086C | 12308 | Presser Bar Lifting Bracket Pinch Screw .....                                                                          |
| 204254  | 12307 | Presser Bar Lifting Bracket Position Guide .....                                                                       |
| 200362C | 12311 | Presser Bar Lifting Bracket Position Guide Set Screw .....                                                             |
| 204327  | 12306 | Presser Bar Packing Washer (felt)                                                                                      |
| 200504E | 12386 | " " Screw Bushing (lower)                                                                                              |
| 204255  | 13135 | " " Spring .....                                                                                                       |
| 202737  | 13084 | " " Stop Collar with 200380C .....                                                                                     |
| 200380C | 12319 | Presser Bar Stop Collar Set Screw                                                                                      |
| 200491B | 12305 | " " Thumb Screw (pressure regulating) .....                                                                            |
| 229550  | 13084 | Presser Foot, 46 needle hole, in gauges from $\frac{3}{8}$ to $\frac{1}{2}$ in., in steps of $\frac{1}{16}$ inch ..... |
| 222292  | 13144 | Presser Foot, 46 needle hole, in gauges $\frac{3}{8}$ and $\frac{1}{2}$ inch .....                                     |
| 203225  | 11802 | Take-up Cam with 200335C, 200380C, 200383C, 200430C and 200658C ..                                                     |
| 203172  | 12307 | Take-up Cam Friction Washer ...                                                                                        |
| 200430C | 12311 | " " Position Screw .....                                                                                               |
| 200383C | 12311 | " " " " Check Screw .....                                                                                              |
| 200335C | 12311 | Take-up Cam Set Screw .....                                                                                            |
| 204553  | 12386 | " Lever .....                                                                                                          |
| 206601  | —     | " " 204553 with 204263 ..                                                                                              |
| 204263  | 12386 | " " Bearing with 204264..                                                                                              |
| 204264  | 12306 | " " " " Position Pin ..                                                                                                |
| 200042F | 12311 | " " " " Screw .....                                                                                                    |
| 201816  | 12307 | " " Roller .....                                                                                                       |
| 204554  | 12386 | Take-up Lever complete, Nos. 200042F, 201816 and 206601 ....                                                           |
| 202402  | 12309 | Tension Disc .....                                                                                                     |
| 202090  | 12309 | " " Position Pin .....                                                                                                 |
| 204555  | 12332 | " Release Lever .....                                                                                                  |
| 200309F | 10483 | " " " " Screw .....                                                                                                    |
| 202075  | 12309 | " " Plunger .....                                                                                                      |
| 208489  | —     | " " Slide .....                                                                                                        |
| 206608  | 13136 | " " " " Spring .....                                                                                                   |

| No.     | Plate | Name                                                                                                     |
|---------|-------|----------------------------------------------------------------------------------------------------------|
| 204270  | 11801 | Tension Spring .....                                                                                     |
| 200632B | 12309 | " Stud .....                                                                                             |
| 200397H | 12309 | " " Set Screw .....                                                                                      |
| 201572B | 10881 | " Thumb Nut .....                                                                                        |
| 204271  | 12309 | " Washer .....                                                                                           |
| 213872  | 13136 | Tension complete, Nos. 200632B,<br>201572B, 202075, 204270, 204271<br>and two 202402 .....               |
| 204273  | 12308 | Thread Controller Adjusting Collar<br>with 200684H (for Presser Bar) ..                                  |
| 200684H | 12308 | Thread Controller Adjusting Collar<br>Screw .....                                                        |
| 204274  | 12309 | Thread Controller Plate .....                                                                            |
| 200577H | 12311 | " " " Screw ...                                                                                          |
| 202098  | 12309 | " " Roller .....                                                                                         |
| 204275  | 12309 | " " " Guard .....                                                                                        |
| 202084  | 12309 | " " " Washer .....                                                                                       |
| 200300C | 12309 | " " " Screw .....                                                                                        |
| 202085  | 11868 | " " Spring .....                                                                                         |
| 204333  | 12309 | " " " Guard .....                                                                                        |
| 200581H | 12309 | " " " " Screw .....                                                                                      |
| 204277  | 12309 | " " " Stop .....                                                                                         |
| 204278  | 12309 | " " " Driving<br>Gear .....                                                                              |
| 200319C | 12309 | Thread Controller Spring Stop Driv-<br>ing Gear Hinge Screw .....                                        |
| 200135E | 12309 | Thread Controller Spring Stop<br>Screw .....                                                             |
| 204279  | 12309 | Thread Controller Spring Stud with<br>204925 .....                                                       |
| 200366H | 12309 | Thread Controller Spring Stud Set<br>Screw .....                                                         |
| 204925  | 12306 | Thread Controller Spring Stud<br>Washer .....                                                            |
| 205987  | 12309 | Thread Controller complete, Nos.<br>200300C, 200581H, 202084, 202098,<br>204274, 204275 and 204333 ..... |
| 213873  | 11801 | Thread Controller and Spring com-<br>plete, Nos. 202085 and 205987 ..                                    |
| 203313  | 12386 | Thread Guide .....                                                                                       |
| 204556  | 12386 | " " .....                                                                                                |
| 204281  | 12309 | " Retainer Guide Wire .....                                                                              |
| 202091  | 12309 | " " Sleeve .....                                                                                         |
| 202092  | 12309 | " " Spring .....                                                                                         |
| 204058  | 12309 | " " Stud .....                                                                                           |
| 200368H | 12309 | " " " Set Screw .....                                                                                    |
| 204059  | 12309 | Thread Retainer complete, Nos.<br>202091, 202092 and 204058 .....                                        |

| No.     | Plate | Name                                                                                                                             |
|---------|-------|----------------------------------------------------------------------------------------------------------------------------------|
| 211641  | 13146 | Throat Plate, 50 needle hole, for<br>needle sizes 14 and 15, in $\frac{3}{16}$ in.<br>gauge, for 211642 .....                    |
| 211647  | 13146 | Throat Plate, 50 needle hole, for<br>needle sizes 14 and 15, in $\frac{1}{4}$ in.<br>gauge, for 211648 .....                     |
| 211653  | 13146 | Throat Plate, 50 needle hole, for<br>needle sizes 14 and 15, in gauges<br>$\frac{3}{16}$ and $\frac{1}{4}$ in., for 211654 ..... |
| 211782  | 13146 | Throat Plate, 50 needle hole, for<br>needle sizes 14 and 15, in gauges<br>$\frac{3}{16}$ and $\frac{1}{4}$ in., for 211784 ..... |
| 200161D | 12319 | Throat Plate Clamp Screw .....                                                                                                   |
| 202062  | 12308 | " " Position Pin .....                                                                                                           |
| 200577H | 12311 | " " Screw .....                                                                                                                  |

# LIST OF PARTS COMPLETE FOR MACHINE No. 22w25

For Cross Thread Embroidery

In gauges  $\frac{33}{64}$ ,  $\frac{1}{4}$ ,  $\frac{33}{64}$  or  $\frac{1}{8}$  inch

| No.     | Plate | Name                                                       |
|---------|-------|------------------------------------------------------------|
| *213408 | —     | Arm with 200439c, 202036 and 204705 .....                  |
| *202561 | —     | Arm Bracket .....                                          |
| 213410  | 11035 | " " Brace .....                                            |
| 200577H | 12311 | " " " Screw .....                                          |
| 200330c | 11801 | " " " Support Screw ..                                     |
| 201528E | 11801 | " " " " " Nut ..                                           |
| 200558H | 11035 | " " " Screw (lower) .....                                  |
| 213409  | 11035 | " " " " Washer ..                                          |
| 200643E | 11035 | " " " (long) (upper) ..                                    |
| 200645E | 11035 | " " " (short) (upper) ..                                   |
| 201522E | 12332 | " " " Nut (2) .....                                        |
| 225532  | 11035 | " " " Washer (2) .....                                     |
| 202563  | 11805 | " " " Shaft .....                                          |
| 202564  | 11036 | " " " Bevel Gear, 24 teeth, with two 200395c .....         |
| 200395c | 11801 | Arm Bracket Shaft Bevel Gear Set Screw .....               |
| *202569 | —     | Arm Bracket Shaft Driving Pulley .....                     |
| 200396c | 11801 | " " " " " " .....                                          |
|         |       | Position Screw .....                                       |
| 200363c | 12332 | Arm Bracket Shaft Driving Pulley Set Screw .....           |
| 202565  | 11035 | Arm Bracket Shaft Pulley with 202253 and two 200394c ..... |
| 202566  | 13139 | Arm Bracket Shaft Pulley Belt ..                           |
| 200394c | 11035 | " " " " " Set Screw ..                                     |
| 202253  | 11035 | " " " " " Spring Flange .....                              |
| 204163  | 12305 | Arm Cap .....                                              |
| 200278H | 12311 | " " " Screw .....                                          |
| 202248  | 12307 | " " " Washer .....                                         |
| 200963E | 12311 | " " " Screw (3) .....                                      |
| 202005  | 12308 | " " " Washer (3) .....                                     |
| 203202  | 12333 | " " " Shaft .....                                          |
| 204705  | 12334 | " " " Bushing (front) .....                                |

| No.     | Plate | Name                                                                                 |
|---------|-------|--------------------------------------------------------------------------------------|
| 200439c | 12311 | Arm Shaft Bushing Position Screw ..                                                  |
| 204440  | 12333 | " " " Connection with four 200054E (2) .....                                         |
| 200054E | 12307 | Arm Shaft Connection Screw ....                                                      |
| 202299  | —     | " " " Oil Packing (wick) (2) ..                                                      |
| *221433 | —     | Balance Wheel (belt groove $2\frac{3}{4}$ in. diam.) .....                           |
| 200062H | 12311 | Balance Wheel Adjusting Screw ..                                                     |
| 221434  | 11804 | Balance Wheel complete, Nos. 200363c, 200396c, 202569 and 221433 .....               |
| *203300 | —     | Bed with 202062, 203248, 203249, two each 200362c, 200516E, 200840E and 202299 ..... |
| 202258  | 12345 | Bed Hinge Connection (2) .....                                                       |
| 200570E | 12311 | " " " " Screw (4) ....                                                               |
| 203329  | 11802 | " " " Slide (back) .....                                                             |
| 203301  | 12334 | " " " (front) .....                                                                  |
| 203208  | 12312 | Bobbin (2) .....                                                                     |
| 203210  | 12312 | " " Case Base with 202056, 203211 to 203213 and 203216 .....                         |
| 203211  | 12312 | Bobbin Case Base Latch .....                                                         |
| *202056 | —     | " " " " " Pin .....                                                                  |
| 203212  | 12312 | " " " " " Plunger ..                                                                 |
| 203213  | 12312 | " " " " " Spring ..                                                                  |
| 203209  | 12312 | " " " Cap with 200984c, 203214, 203215 and two 200594c ..                            |
| 203214  | 12312 | Bobbin Case Tension Spring .....                                                     |
| 200984c | 12312 | " " " " " Regulating Screw .....                                                     |
| 200594c | 12312 | Bobbin Case Tension Spring Screw ..                                                  |
| 203215  | 12312 | " " " Thread Guide .....                                                             |
| 200594c | 12312 | " " " " " Screw ..                                                                   |
| 203216  | 12316 | " " " Washer (cloth) .....                                                           |
| 203217  | 12312 | Bobbin Case complete, Nos. 203209 and 203210 .....                                   |
| 213412  | 11036 | Cord Guiding Arm .....                                                               |
| 200231D | 11036 | " " " " " Hinge Screw ..                                                             |
| 201516E | 11036 | " " " " " Nut ..                                                                     |
| 213414  | 11036 | " " " Eccentric Shaft with 200097c .....                                             |
| 202564  | 11036 | Cord Guiding Eccentric Shaft Bevel Gear, 24 teeth, with two 200395c ..               |
| 202575  | 11802 | Cord Guiding Eccentric Shaft Bevel Gear Guard .....                                  |
| 200564c | 11036 | Cord Guiding Eccentric Shaft Bevel Gear Guard Screw .....                            |
| 200395c | 11801 | Cord Guiding Eccentric Shaft Bevel Gear Set Screw .....                              |



| No.     | Plate | Name                                                                                                                             |
|---------|-------|----------------------------------------------------------------------------------------------------------------------------------|
| 213639  | 11801 | Cord Guiding Eccentric Shaft Collar with 200380c .....                                                                           |
| 200380c | 12319 | Cord Guiding Eccentric Shaft Collar Set Screw .....                                                                              |
| 202576  | 11036 | Cord Guiding Eccentric Shaft Washer .....                                                                                        |
| 200097c | 11036 | Cord Guiding Eccentric Shaft Washer Screw .....                                                                                  |
| 213415  | 11029 | Cord Tension Bracket with two each 200618B, 202090 and 202571 ..                                                                 |
| 200577H | 12311 | Cord Tension Bracket Screw (2) ..                                                                                                |
| 202402  | 12309 | " " Disc .....                                                                                                                   |
| 202090  | 12309 | " " Position Pin ....                                                                                                            |
| 202579  | 11036 | " " Spring .....                                                                                                                 |
| 202580  | 11036 | " " Washer .....                                                                                                                 |
| 200618B | 11029 | " " Stud .....                                                                                                                   |
| 202571  | 11029 | " " Thread Leader .....                                                                                                          |
| 201572B | 10881 | " " Thumb Nut .....                                                                                                              |
| 213670  | —     | Cord Tension Bracket complete, Nos. 213415, two each 201572B, 202579, 202580 and four 202402 ..                                  |
| 204533  | 12333 | Face Plate with 200366H, 204730, two each 200368H, 202090, 204281 and three 200397H .....                                        |
| 200053c | 12311 | Face Plate Screw .....                                                                                                           |
| 204730  | 12386 | " " Thread Guide .....                                                                                                           |
| 200397H | 12309 | " " " " Set Screw .....                                                                                                          |
| 204874  | 12333 | Face Plate complete, Nos. 200135r, 200319c, 200577H, 204277 to 204280, 204533, 204555, two each 200309E, 204059 and 204272 ..... |
| 203303  | 12334 | Feed Bar with 204189 .....                                                                                                       |
| 203309  | —     | " " 203303 with 200214E, 201525E and 204200 .....                                                                                |
| 200214E | 12386 | Feed Bar Hinge Screw .....                                                                                                       |
| 201525E | 12386 | " " " " Nut .....                                                                                                                |
| 214424  | 11142 | " " Spring .....                                                                                                                 |
| 204189  | 12306 | " " Hook .....                                                                                                                   |
| 211298  | 13142 | " Dog, for 211879 .....                                                                                                          |
| 212571  | 11813 | " " " 211614 .....                                                                                                               |
| 200106E | 12311 | " " Screw (2) .....                                                                                                              |
| 200075E | 11801 | " " Support Screw .....                                                                                                          |
| 201535E | 11801 | " " " " Nut .....                                                                                                                |
| 203233  | 12305 | " Driving Cam with 200382c and 200437c .....                                                                                     |
| 204192  | —     | Feed Driving Cam Fork Lever with 204195 and 204293 .....                                                                         |
| 204193  | 12334 | Feed Driving Cam Fork Lever Connection with 200668c and 201525E ..                                                               |

| No.     | Plate | Name                                                                           |
|---------|-------|--------------------------------------------------------------------------------|
| 204194  | 12306 | Feed Driving Cam Fork Lever Connection Clamp with 200031E ....                 |
| 200031E | 12311 | Feed Driving Cam Fork Lever Connection Clamp Pinch Screw ....                  |
| 200668c | 12386 | Feed Driving Cam Fork Lever Connection Clamp Screw Stud .....                  |
| 201525E | 12386 | Feed Driving Cam Fork Lever Connection Clamp Screw Stud Nut ..                 |
| 200002E | 12332 | Feed Driving Cam Fork Lever Connection Hinge Screw .....                       |
| 201522E | 12332 | Feed Driving Cam Fork Lever Connection Hinge Screw Nut .....                   |
| *204195 | —     | Feed Driving Cam Fork Lever Shaft .....                                        |
| 204197  | 12306 | Feed Driving Cam Fork Lever Shaft Collar with 200113F .....                    |
| 200113F | 12308 | Feed Driving Cam Fork Lever Shaft Collar Set Screw .....                       |
| 204293  | 12308 | Feed Driving Cam Fork Lever Shaft Position Pin .....                           |
| 204196  | 12307 | Feed Driving Cam Fork Lever Shaft Sleeve (split) .....                         |
| 200043c | 12311 | Feed Driving Cam Fork Lever Shaft Sleeve Set Screw .....                       |
| 201524E | 12332 | Feed Driving Cam Fork Lever Shaft Sleeve Set Screw Nut ....                    |
| 204198  | 12334 | Feed Driving Cam Fork Lever complete, Nos. 204192 and 204194 ..                |
| 200437c | 12311 | Feed Driving Cam Position Screw .....                                          |
| 200382c | 11142 | " " " " Set Screw ....                                                         |
| 204199  | 12323 | " " Rock Shaft .....                                                           |
| 206554  | —     | " " " " 204199 with 200002E, 201522E and 204193 ...                            |
| 202305  | 12307 | Feed Driving Rock Shaft Center (2) ..                                          |
| 200043c | 12311 | " " " " " " Set Screw (2) .....                                                |
| 204200  | 12305 | Feed Driving Rock Shaft Crank with 204189 (on left side) and two 200383c ..... |
| 200383c | 12311 | Feed Driving Rock Shaft Crank Set Screw .....                                  |
| 203235  | 12308 | Feed Lifting Cam with 202126 ...                                               |
| 204202  | 12308 | " " " Fork with 200027E ..                                                     |
| 200027E | 12332 | " " " " Pinch Screw .....                                                      |
| 202126  | 12308 | " " " Position Pin ...                                                         |
| 200045E | 12332 | " " " Screw .....                                                              |
| 203305  | 12334 | " " Rock Shaft .....                                                           |
| 203315  | 12334 | " " " " 203305 with 203238 .....                                               |

## Parts for Machine No. 22w25

| No.     | Plate | Name                                                                                 |
|---------|-------|--------------------------------------------------------------------------------------|
| 202305  | 12307 | Feed Lifting Rock Shaft Center (2)                                                   |
| 200043c | 12311 | " " " " " Set<br>Screw (2) .....                                                     |
| 202276  | 12308 | Feed Lifting Rock Shaft Slide<br>Block .....                                         |
| 203238  | 12308 | Feed Lifting Rock Shaft Slide<br>Block 202276 with 200243c and<br>201531c .....      |
| 200243c | 12332 | Feed Lifting Rock Shaft Slide<br>Block Hinge Screw .....                             |
| 201531c | 12308 | Feed Lifting Rock Shaft Slide<br>Block Hinge Screw Nut .....                         |
| 204206  | 12306 | Feed Regulating Handle .....                                                         |
| 204207  | 12334 | " " " 204206 with<br>200098c, 202622, 204208 to 204210,<br>204213 and 204925 .....   |
| 204208  | 12307 | Feed Regulating Handle Adjustable<br>Stop .....                                      |
| 200098c | 12307 | Feed Regulating Handle Adjustable<br>Stop Screw .....                                |
| 204925  | 12306 | Feed Regulating Handle Adjustable<br>Stop Screw Washer .....                         |
| 204209  | 12307 | Feed Regulating Handle Position<br>Pin .....                                         |
| 204210  | 12306 | Feed Regulating Handle Shaft .....                                                   |
| 204211  | 12306 | " " " " Crank<br>with 200098c .....                                                  |
| 204212  | 12307 | Feed Regulating Handle Shaft<br>Crank Link .....                                     |
| 200271c | 12311 | Feed Regulating Handle Shaft<br>Crank Link Hinge Screw (lower) .....                 |
| 200291c | 12307 | Feed Regulating Handle Shaft<br>Crank Link Hinge Screw (upper) .....                 |
| 200098c | 12307 | Feed Regulating Handle Shaft<br>Crank Set Screw .....                                |
| 204213  | 12307 | Feed Regulating Handle Shaft<br>Sleeve (split) .....                                 |
| 200362c | 12311 | Feed Regulating Handle Shaft<br>Sleeve Set Screw .....                               |
| 202622  | 12306 | Feed Regulating Handle Shaft<br>Sleeve Washer .....                                  |
| 202036  | 12332 | Feed Regulating Handle Stop Pin .....                                                |
| 204214  | —     | Feed Regulating Handle complete,<br>Nos. 200291c, 204207, 204211 and<br>204212 ..... |
| *203239 | —     | Hook (sewing) .....                                                                  |
| 203240  | 12312 | " 203239 with 201253c, 201376c<br>and 203251 .....                                   |
| 203290  | 12312 | Hook and Bobbin Case complete,<br>Nos. 203217 and 203240 .....                       |

## Parts for Machine No. 22w25

| No.     | Plate | Name                                                                   |
|---------|-------|------------------------------------------------------------------------|
| 203241  | 11007 | Hook Bevel Gear Socket, 24 teeth                                       |
| 200555c | 11007 | " " " " Screw ...                                                      |
| 203242  | 11007 | " " Pinion, 24 teeth, with<br>two 200383c (2) .....                    |
| 200383c | 12311 | Hook Bevel Pinion Set Screw ....                                       |
| 203306  | 12333 | " Counter Shaft .....                                                  |
| 203244  | 11007 | " " " Collar with two<br>200393c .....                                 |
| 200393c | 11007 | Hook Counter Shaft Collar Set<br>Screw .....                           |
| 203245  | 11007 | Hook Counter Shaft Driving Gear,<br>44 teeth, with 200362c and 200439c |
| 213154  | 12305 | Hook Counter Shaft Driving Gear<br>203245 with 200045c and 203235..    |
| 200439c | 12311 | Hook Counter Shaft Driving Gear<br>Position Screw .....                |
| 200362c | 12311 | Hook Counter Shaft Driving Gear<br>Set Screw .....                     |
| 203246  | 11007 | Hook Counter Shaft Gear, 22 teeth,<br>with two 200383c .....           |
| 200383c | 12311 | Hook Counter Shaft Gear Set Screw                                      |
| 202299  | —     | " " " Oil Packing<br>(wick) .....                                      |
| 200840c | 11007 | Hook Counter Shaft Oil Packing<br>(wick) Stop Screw .....              |
| 203247  | 12333 | Hook Driving Shaft .....                                               |
| 203248  | 12234 | " " " Bearing with<br>202299 .....                                     |
| 202299  | —     | Hook Driving Shaft Bearing Oil<br>Packing (wick) .....                 |
| 202126  | 12308 | Hook Driving Shaft Bearing Posi-<br>tion Pin .....                     |
| 200516c | 12311 | Hook Driving Shaft Bearing Screw                                       |
| 203249  | 11007 | " " " Bushing (eccen-<br>tric) .....                                   |
| 202299  | —     | Hook Driving Shaft Bushing Oil<br>Packing (wick) .....                 |
| 200362c | 12311 | Hook Driving Shaft Bushing Set<br>Screw .....                          |
| 213141  | 11801 | Hook Driving Shaft Collar with two<br>200393c .....                    |
| 200393c | 11007 | Hook Driving Shaft Collar Set<br>Screw .....                           |
| 203251  | 12312 | Hook Gib .....                                                         |
| 201376c | 13136 | " " Hinge Screw .....                                                  |
| 201253c | 13136 | " " Screw .....                                                        |
| 203307  | 12335 | " Saddle (left or right) with<br>202299 .....                          |

| No.     | Plate | Name                                                                                                                              |
|---------|-------|-----------------------------------------------------------------------------------------------------------------------------------|
| 202299  | —     | Hook Saddle Oil Packing (wick) ..                                                                                                 |
| 200006E | 11007 | " " Screw (4) .....                                                                                                               |
| 225585  | 11007 | " " Washer (4) .....                                                                                                              |
| 203254  | 12312 | " Washer .....                                                                                                                    |
| 203308  | 12335 | Hook Saddle complete, Nos.<br>200555u, 203241, 203254, 203290<br>and 203307 .....                                                 |
| 203462  | —     | Hook Saddle Combination (left and<br>right) complete, Nos. two 203308                                                             |
| 208490  | —     | Knee Lifter Connection Lever ....                                                                                                 |
| 213877  | 11802 | " " " " Lift-<br>ing Rod with 202302 .....                                                                                        |
| 202302  | 12306 | Knee Lifter Connection Lever Lift-<br>ing Rod Cotter Pin .....                                                                    |
| 227302  | 11125 | Knee Lifter Lifting Lever .....                                                                                                   |
| 231390  | 11802 | Needle Bar (hollow) .....                                                                                                         |
| 204248  | 12307 | " " Connecting Link .....                                                                                                         |
| 200658c | 12307 | " " " " Hinge<br>Screw Stud .....                                                                                                 |
| 201519E | 12307 | Needle Bar Connecting Link Hinge<br>Screw Stud Nut .....                                                                          |
| 204249  | 12308 | Needle Bar Connecting Stud with<br>200072c and 202277 .....                                                                       |
| 202277  | —     | Needle Bar Connecting Stud Oil<br>Packing (wick) .....                                                                            |
| 200072c | 12308 | Needle Bar Connecting Stud Pinch<br>Screw .....                                                                                   |
| 204326  | —     | Needle Bar Packing Cord (2) ....                                                                                                  |
| 200504E | 12386 | " " Screw Bushing (lower)                                                                                                         |
| 200503B | 12386 | " " " " (upper)                                                                                                                   |
| 231383  | 13140 | " Holder, in gauges $\frac{3}{8}$ , $\frac{1}{2}$ , $\frac{5}{8}$<br>and $\frac{3}{4}$ in., with 201030E and two<br>200141E ..... |
| 201030E | 13136 | Needle Holder Screw .....                                                                                                         |
| 200141E | 12332 | " Set Screw .....                                                                                                                 |
| 204251  | 12334 | Presser Bar (hollow) with 200074E                                                                                                 |
| 204252  | 12308 | " " Lifter .....                                                                                                                  |
| 200550c | 12311 | " " " Hinge Screw ...                                                                                                             |
| 204253  | 12308 | " " Lifting Bracket with<br>200086c .....                                                                                         |
| 200086c | 12308 | Presser Bar Lifting Bracket Pinch<br>Screw .....                                                                                  |
| 204254  | 12307 | Presser Bar Lifting Bracket Posi-<br>tion Guide .....                                                                             |
| 200362c | 12311 | Presser Bar Lifting Bracket Posi-<br>tion Guide Set Screw .....                                                                   |

| No.     | Plate | Name                                                                                                               |
|---------|-------|--------------------------------------------------------------------------------------------------------------------|
| 204327  | 12306 | Presser Bar Packing Washer (felt)                                                                                  |
| 200504E | 12386 | " " Screw Bushing (lower)                                                                                          |
| 204255  | 13135 | " " Spring .....                                                                                                   |
| 200491B | 12305 | " " Thumb Screw (pres-<br>sure regulating) .....                                                                   |
| 213042  | 11029 | Presser Foot, 46 needle hole, in<br>gauges $\frac{3}{8}$ , $\frac{1}{2}$ , $\frac{5}{8}$ and $\frac{3}{4}$ inch .. |
| 200074E | 12308 | Presser Foot Screw .....                                                                                           |
| 212920  | —     | Take-up Cam with 200335c and<br>200430c .....                                                                      |
| 203268  | 12334 | Take-up Cam 212920 with 200383c,<br>200658c and 201519E .....                                                      |
| 203172  | 12307 | Take-up Cam Friction Washer ....                                                                                   |
| 200430c | 12311 | " " Position Screw .....                                                                                           |
| 200383c | 12311 | " " " " Check<br>Screw .....                                                                                       |
| 200335c | 12311 | Take-up Cam Set Screw .....                                                                                        |
| 204553  | 12386 | " Lever .....                                                                                                      |
| 206601  | —     | " " 204553 with 204263 ..                                                                                          |
| 204263  | 12386 | " " Bearing with 204264 ..                                                                                         |
| 204264  | 12306 | " " " Position Pin ..                                                                                              |
| 200042E | 12311 | " " " Screw .....                                                                                                  |
| 201816  | 12307 | " " Roller .....                                                                                                   |
| 204554  | 12386 | Take-up Lever complete, Nos.<br>200042E, 201816 and 206601 .....                                                   |
| 202402  | 12309 | Tension Disc .....                                                                                                 |
| 202090  | 12309 | " " Position Pin .....                                                                                             |
| 204555  | 12332 | " Release Lever .....                                                                                              |
| 200309E | 10483 | " " " Screw .....                                                                                                  |
| 202075  | 12309 | " " Plunger .....                                                                                                  |
| 208489  | —     | " " Slide .....                                                                                                    |
| 206608  | 13136 | " " " Spring .....                                                                                                 |
| 202407  | 10881 | " Spring .....                                                                                                     |
| 200632B | 12309 | " Stud .....                                                                                                       |
| 200397u | 12309 | " " Set Screw .....                                                                                                |
| 201572B | 10881 | " Thumb Nut .....                                                                                                  |
| 204271  | 12309 | " Washer .....                                                                                                     |
| 204272  | 12309 | Tension complete, Nos. 200632u,<br>201572B, 202075, 202407, 204271<br>and two 202402 .....                         |
| 204273  | 12308 | Thread Controller Adjusting Collar<br>with 200684u (for Presser Bar) ..                                            |
| 200684u | 12308 | Thread Controller Adjusting Collar<br>Screw .....                                                                  |
| 204274  | 12309 | Thread Controller Plate .....                                                                                      |
| 200577u | 12311 | " " " Screw ....                                                                                                   |
| 202098  | 12309 | " " Roller .....                                                                                                   |
| 204275  | 12309 | " " " Guard .....                                                                                                  |
| 202084  | 12309 | " " " " Washer                                                                                                     |

| No.     | Plate | Name                                                                    |
|---------|-------|-------------------------------------------------------------------------|
| 200300c | 12309 | Thread Controller Roller Screw ..                                       |
| 204276  | 12309 | " " Spring .....                                                        |
| 204333  | 12309 | " " " Guard .....                                                       |
| 200581H | 12309 | " " " " Screw .....                                                     |
| 204277  | 12309 | " " " Stop .....                                                        |
| 204278  | 12309 | " " " Driving                                                           |
|         |       | Gear .....                                                              |
| 200319c | 12309 | Thread Controller Spring Stop                                           |
|         |       | Driving Gear Hinge Screw .....                                          |
| 200135E | 12309 | Thread Controller Spring Stop                                           |
|         |       | Screw .....                                                             |
| 204279  | 12309 | Thread Controller Spring Stud with                                      |
|         |       | 204925 .....                                                            |
| 200366H | 12309 | Thread Controller Spring Stud Set                                       |
|         |       | Screw .....                                                             |
| 204925  | 12306 | Thread Controller Spring Stud                                           |
|         |       | Washer .....                                                            |
| 205987  | 12309 | Thread Controller complete, Nos.                                        |
|         |       | 200300c, 200581H, 202084, 202098,                                       |
|         |       | 204274, 204275 and 204333 .....                                         |
| 204280  | 12309 | Thread Controller and Spring com-                                       |
|         |       | plete, Nos. 204276 and 205987 ..                                        |
| 203313  | 12386 | Thread Guide .....                                                      |
| 204556  | 12386 | " " .....                                                               |
| 204281  | 12309 | " Retainer Guide Wire .....                                             |
| 202091  | 12309 | " " Sleeve .....                                                        |
| 202092  | 12309 | " " Spring .....                                                        |
| 204058  | 12309 | " " Stud .....                                                          |
| 200368H | 12309 | " " " Set Screw .....                                                   |
| 204059  | 12309 | Thread Retainer complete, Nos.                                          |
|         |       | 202091, 202092 and 204058 .....                                         |
| 211879  | 13147 | Throat Plate, 50 needle hole, for                                       |
|         |       | needle sizes 14 and 15, in gauges                                       |
|         |       | $\frac{3}{32}$ , $\frac{1}{8}$ and $\frac{5}{32}$ in., for 211298 ..... |
| 211614  | 11813 | Throat Plate, 50 needle hole, for                                       |
|         |       | needle sizes 14 and 15, in $\frac{3}{32}$ in.                           |
|         |       | gauge, for 212571 .....                                                 |
| 200161D | 12319 | Throat Plate Clamp Screw .....                                          |
| 202062  | 12308 | " " Position Pin .....                                                  |
| 200577H | 12311 | " " Screw .....                                                         |

## LIST OF PARTS COMPLETE

For

## MACHINE No. 22w38

DROP FEED

For Stitching and Trimming Fabrics

In gauges from  $\frac{3}{32}$  to  $\frac{1}{2}$  inch

| No.     | Plate | Name                                |
|---------|-------|-------------------------------------|
| *204441 | ----- | Arm with 200439c, 202036 and        |
|         |       | 204351 .....                        |
| 215948  | ----- | Arm Bracket .....                   |
| 200189H | 11140 | " " Screw (3) .....                 |
| 215949  | ----- | " " Switch Handle .....             |
| 215950  | 13139 | " " " " 215949                      |
|         |       | with 201481c, 201528H and 201842    |
| 215951  | 13135 | Arm Bracket Switch Handle Spring    |
| 200161H | 12319 | " " " " " "                         |
|         |       | Screw .....                         |
| 200859H | 11140 | Arm Bracket Switch Handle Stud      |
| 204346  | 11140 | " " " " " "                         |
|         |       | Bushing .....                       |
| 201528H | 11801 | Arm Bracket Switch Handle Stud      |
|         |       | Nut .....                           |
| 204347  | 11140 | Arm Bracket Switch Handle Stud      |
|         |       | Spring .....                        |
| 204443  | 11142 | Arm Bracket Switch Spring .....     |
| 204349  | 11142 | " " " " " Hook ..                   |
| 208491  | ----- | Arm Bracket complete, Nos.          |
|         |       | 200161H, 200391c, 200859H, 201528H, |
|         |       | 204346, 204347, 204448, 215948,     |
|         |       | 215950, 215951 and 215953 .....     |
| 204163  | 12305 | Arm Cap .....                       |
| 200278H | 12311 | " " Screw .....                     |
| 202248  | 12307 | " " " Washer .....                  |
| 200963E | 12311 | " Screw (3) .....                   |
| 202005  | 12308 | " " Washer (3) .....                |
| 203202  | 12333 | " Shaft .....                       |
| 204351  | 11142 | " " Bushing (front) .....           |
| 200439c | 12311 | " " " Position Screw ..             |
| 204440  | 12333 | " " Connection with four            |
|         |       | 200054H (2) .....                   |
| 200054E | 12307 | Arm Shaft Connection Screw .....    |

| No.     | Plate | Name                                                                                                                             |
|---------|-------|----------------------------------------------------------------------------------------------------------------------------------|
| 204805  | 13329 | Balance Wheel, 5½ in. diam. (belt groove 2¾ in. diam.), with 200328c and 200335c .....                                           |
| 200062H | 12311 | Balance Wheel Adjusting Screw ..                                                                                                 |
| 200328c | 12311 | " " Position Screw ....                                                                                                          |
| 200335c | 12311 | " " Set Screw .....                                                                                                              |
| *203300 | —     | Bed with 202062, 203248, 203249, two each 200362c, 200516c, 200840c and 202299 .....                                             |
| 202258  | 12345 | Bed Hinge Connection (2) .....                                                                                                   |
| 200570c | 12311 | " " " Screw (4) ....                                                                                                             |
| 203329  | 11802 | " Slide (back) .....                                                                                                             |
| 203301  | 12334 | " " (front) .....                                                                                                                |
| 203470  | 11236 | Bobbin (2) .....                                                                                                                 |
| *203498 | —     | " Case .....                                                                                                                     |
| 203648  | 13136 | " " Latch .....                                                                                                                  |
| *202056 | —     | " " " Pin .....                                                                                                                  |
| 203473  | 13136 | " " " Plunger .....                                                                                                              |
| 203474  | 13136 | " " " Spring .....                                                                                                               |
| 203499  | 11235 | " " Lever .....                                                                                                                  |
| 203476  | —     | " " " Eccentric .....                                                                                                            |
| 204243  | 11801 | " " " " Position Pin .....                                                                                                       |
| 203506  | 11235 | " " " Fulcrum .....                                                                                                              |
| 200056c | 10884 | " " " " Screw ....                                                                                                               |
| 203478  | 11235 | " " " Slide Stud .....                                                                                                           |
| 203214  | 12312 | " " Tension Spring .....                                                                                                         |
| 200984c | 12312 | " " " " Regulat-<br>ing Screw .....                                                                                              |
| 200594c | 12312 | Bobbin Case Tension Spring Screw .....                                                                                           |
| 203216  | 12312 | " " Washer (cloth) .....                                                                                                         |
| 203500  | 11235 | Bobbin Case complete, Nos. 200594c, 200984c, 202056, 203214, 203216, 203473, 203474, 203498 and 203648 .....                     |
| 204533  | 12333 | Face Plate with 200366H, 204730, two each 200368H, 202090, 204281 and three 200397H .....                                        |
| 200053c | 12311 | Face Plate Screw .....                                                                                                           |
| 204730  | 12386 | " " Thread Guide .....                                                                                                           |
| 200397H | 12309 | " " " " Set Screw .....                                                                                                          |
| 204874  | 12333 | Face Plate complete, Nos. 200135c, 200319c, 200577H, 204277 to 204280, 204533, 204555, two each 200309c, 204059 and 204272 ..... |
| 203303  | 12334 | Feed Bar with 204189 .....                                                                                                       |
| 203309  | —     | " " 203303 with 200214c, 201525c and 204200 .....                                                                                |
| 200214c | 12386 | Feed Bar Hinge Screw .....                                                                                                       |
| 201525c | 12386 | " " " " Nut .....                                                                                                                |
| 214424  | 11142 | " " Spring .....                                                                                                                 |

| No.     | Plate | Name                                                                       |
|---------|-------|----------------------------------------------------------------------------|
| 204189  | 12306 | Feed Bar Spring Hook .....                                                 |
| 211884  | 13142 | " Dog, for 222298 .....                                                    |
| 211805  | 13143 | " " " 222334 .....                                                         |
| 222235  | 13141 | " " " 222238 .....                                                         |
| 211809  | 13141 | " " " 212050 .....                                                         |
| 200106c | 12311 | " " Screw (2) .....                                                        |
| 203233  | 12305 | " Driving Cam with 200382c and 200437c .....                               |
| 204192  | —     | Feed Driving Cam Fork Lever with 204195 and 204293 .....                   |
| 204193  | 12334 | Feed Driving Cam Fork Lever Con-<br>nection with 200668c and 201525c ..... |
| 204194  | 12306 | Feed Driving Cam Fork Lever Con-<br>nection Clamp with 200031c .....       |
| 200031c | 12311 | Feed Driving Cam Fork Lever Con-<br>nection Clamp Pinch Screw ....         |
| 200668c | 12386 | Feed Driving Cam Fork Lever Con-<br>nection Clamp Screw Stud .....         |
| 201525c | 12386 | Feed Driving Cam Fork Lever Con-<br>nection Clamp Screw Stud Nut ..        |
| 200002c | 12332 | Feed Driving Cam Fork Lever Con-<br>nection Hinge Screw .....              |
| 201522c | 12332 | Feed Driving Cam Fork Lever Con-<br>nection Hinge Screw Nut .....          |
| *204195 | —     | Feed Driving Cam Fork Lever<br>Shaft .....                                 |
| 204197  | 12306 | Feed Driving Cam Fork Lever<br>Shaft Collar with 200113c .....             |
| 200113c | 12308 | Feed Driving Cam Fork Lever<br>Shaft Collar Set Screw .....                |
| 204293  | 12308 | Feed Driving Cam Fork Lever<br>Shaft Position Pin .....                    |
| 204196  | 12307 | Feed Driving Cam Fork Lever<br>Shaft Sleeve (split) .....                  |
| 200043c | 12311 | Feed Driving Cam Fork Lever<br>Shaft Sleeve Set Screw .....                |
| 201524c | 12332 | Feed Driving Cam Fork Lever<br>Shaft Sleeve Set Screw Nut ...              |
| 204198  | 12334 | Feed Driving Cam Fork Lever com-<br>plete, Nos. 204192 and 204194 ...      |
| 200437c | 12311 | Feed Driving Cam Position Screw .....                                      |
| 200382c | 11142 | " " " Set Screw .....                                                      |
| 204199  | 12333 | " " Rock Shaft .....                                                       |
| 206554  | —     | " " " " 204199 with<br>200002c, 201522c and 204193 ....                    |
| 202305  | 12307 | Feed Driving Rock Shaft Center (2) .....                                   |
| 200043c | 12311 | " " " " " Set<br>Screw (2) .....                                           |

| No.     | Plate | Name                                                                           |
|---------|-------|--------------------------------------------------------------------------------|
| 204200  | 12305 | Feed Driving Rock Shaft Crank with 204189 (on left side) and two 200383c ..... |
| 200383c | 12311 | Feed Driving Rock Shaft Crank Set Screw .....                                  |
| 203235  | 12308 | Feed Lifting Cam with 202126 ....                                              |
| 204202  | 12308 | " " " Fork with 200027E .....                                                  |
| 200027E | 12332 | " " " " Pinch Screw .....                                                      |
| 202126  | 12308 | " " " Position Pin ...                                                         |
| 200045E | 12332 | " " " Screw .....                                                              |
| 203305  | 12334 | " " Rock Shaft .....                                                           |
| 203315  | 12334 | " " " " 203305 with 203238 .....                                               |
| 202305  | 12307 | Feed Lifting Rock Shaft Center (2) .....                                       |
| 200043c | 12311 | " " " " " Set Screw (2) .....                                                  |
| 202276  | 12308 | Feed Lifting Rock Shaft Slide Block .....                                      |
| 203238  | 12308 | Feed Lifting Rock Shaft Slide Block 202276 with 200243E and 201531E .....      |
| 200243E | 12332 | Feed Lifting Rock Shaft Slide Block Hinge Screw .....                          |
| 201531E | 12308 | Feed Lifting Rock Shaft Slide Block Hinge Screw Nut .....                      |
| 204206  | 12306 | Feed Regulating Handle .....                                                   |
| 204207  | 12334 | " " " 204206 with 200098E, 202622, 204208 to 204210, 204213 and 204925 .....   |
| 204208  | 12307 | Feed Regulating Handle Adjustable Stop .....                                   |
| 200098E | 12307 | Feed Regulating Handle Adjustable Stop Screw .....                             |
| 204925  | 12306 | Feed Regulating Handle Adjustable Stop Screw Washer .....                      |
| 204209  | 12307 | Feed Regulating Handle Position Pin .....                                      |
| 204210  | 12306 | Feed Regulating Handle Shaft ....                                              |
| 204211  | 12306 | " " " " Crank with 200098E .....                                               |
| 204212  | 12307 | Feed Regulating Handle Shaft Crank Link .....                                  |
| 200271E | 12311 | Feed Regulating Handle Shaft Crank Link Hinge Screw (lower) .....              |
| 200291E | 12307 | Feed Regulating Handle Shaft Crank Link Hinge Screw (upper) .....              |
| 200098E | 12307 | Feed Regulating Handle Shaft Crank Set Screw .....                             |
| 204213  | 12307 | Feed Regulating Handle Shaft Sleeve (split) .....                              |

| No.     | Plate | Name                                                                           |
|---------|-------|--------------------------------------------------------------------------------|
| 200362c | 12311 | Feed Regulating Handle Shaft Sleeve Set Screw .....                            |
| 202622  | 12306 | Feed Regulating Handle Shaft Sleeve Washer .....                               |
| 202036  | 12332 | Feed Regulating Handle Stop Pin..                                              |
| 204214  | ----- | Feed Regulating Handle complete, Nos. 200291E, 204207, 204211 and 204212 ..... |
| *203511 | ----- | Hook (sewing) .....                                                            |
| 203512  | 11235 | " 203511 with 203513 and two 201253F .....                                     |
| 203514  | 11235 | Hook and Bobbin Case complete, Nos. 203500 and 203512 .....                    |
| 213810  | 13139 | Hook Bevel Gear Socket, 24 teeth .....                                         |
| 200555H | 11007 | " " " " Screw ...                                                              |
| 203242  | 11007 | " " Pinion, 24 teeth, with two 200383c (2) .....                               |
| 200383c | 12311 | Hook Bevel Pinion Set Screw ....                                               |
| 203306  | 12333 | " Counter Shaft .....                                                          |
| 203244  | 11007 | " " " Collar with two 200393c .....                                            |
| 200393c | 11007 | Hook Counter Shaft Collar Set Screw .....                                      |
| 203245  | 11007 | Hook Counter Shaft Driving Gear, 44 teeth, with 200362c and 200439c .....      |
| 213154  | 12305 | Hook Counter Shaft Driving Gear 203245 with 200045E and 203235..               |
| 200439c | 12311 | Hook Counter Shaft Driving Gear Position Screw .....                           |
| 200362c | 12311 | Hook Counter Shaft Driving Gear Set Screw .....                                |
| 203246  | 11007 | Hook Counter Shaft Gear, 22 teeth, with two 200383c .....                      |
| 200383c | 12311 | Hook Counter Shaft Gear Set Screw .....                                        |
| 202299  | ----- | " " " Oil Packing (wick) .....                                                 |
| 200840E | 11007 | Hook Counter Shaft Oil Packing (wick) Stop Screw .....                         |
| 203247  | 12333 | Hook Driving Shaft .....                                                       |
| 203248  | 12334 | " " " Bearing with 202299 .....                                                |
| 202299  | ----- | Hook Driving Shaft Bearing Oil Packing (wick) .....                            |
| 202126  | 12308 | Hook Driving Shaft Bearing Position Pin .....                                  |
| 200516E | 12311 | Hook Driving Shaft Bearing Screw .....                                         |
| 203249  | 11007 | " " " Bushing (eccentric) .....                                                |
| 202299  | ----- | Hook Driving Shaft Bushing Oil Packing (wick) .....                            |

| No.     | Plate | Name                                                                                                     |
|---------|-------|----------------------------------------------------------------------------------------------------------|
| 200362c | 12311 | Hook Driving Shaft Bushing Set Screw .....                                                               |
| 213141  | 11801 | Hook Driving Shaft Collar with two 200393c .....                                                         |
| 200393c | 11007 | Hook Driving Shaft Collar Set Screw .....                                                                |
| 203513  | 11235 | Hook Gib .....                                                                                           |
| 201253F | 13136 | " " Screw .....                                                                                          |
| 203508  | 11236 | " Saddle (left or right) with 200056E .....                                                              |
| 200006E | 11007 | Hook Saddle Screw (4) .....                                                                              |
| 202622  | 12306 | " " " Washer (4) ...                                                                                     |
| 213036  | —     | " Washer .....                                                                                           |
| 203516  | 11235 | " " 213036 with 203476 and two 204243 .....                                                              |
| 203518  | 11236 | Hook Saddle complete, Nos. 200555H, 203478, 203499, 203506, 203508, 203514, 203516 and 213810            |
| 203519  | —     | Hook Saddle Combination (left and right) complete, Nos. two 203518                                       |
| 208490  | —     | Knee Lifter Connection Lever ....                                                                        |
| 227311  | —     | " " " " 208490 with 227302, 227308 and two 200262H .....                                                 |
| 200262H | 12306 | Knee Lifter Connection Lever Hinge Screw .....                                                           |
| 227308  | 11125 | Knee Lifter Connection Lever Lifting Rod with 202302 .....                                               |
| 202302  | 12306 | Knee Lifter Connection Lever Lifting Rod Cotter Pin .....                                                |
| 227302  | 11125 | Knee Lifter Lifting Lever .....                                                                          |
| 200262H | 12306 | " " " " Hinge Screw .....                                                                                |
| 213759  | 13138 | Knife .....                                                                                              |
| 213130  | 11140 | " Adjusting Block, in gauges $\frac{1}{16}$ , $\frac{1}{8}$ , $\frac{1}{4}$ and $\frac{3}{8}$ inch ..... |
| 204447  | 13137 | Knife Bar with 200094F .....                                                                             |
| 204448  | —     | " " 204447 with 204452 ....                                                                              |
| 215953  | 13139 | " " Bell Crank with 200337c, 201528H, 204349 and 204449 .....                                            |
| 204449  | 11142 | Knife Bar Bell Crank Bearing ...                                                                         |
| 201481c | 13136 | " " " " Driving Screw Stud .....                                                                         |
| 201528H | 11801 | Knife Bar Bell Crank Driving Screw Stud Nut .....                                                        |
| 200391c | 11140 | Knife Bar Bell Crank Position Screw .....                                                                |

| No.     | Plate | Name                                                                                                                                                                                                                      |
|---------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 200337c | 13136 | Knife Bar Bell Crank Stop Screw                                                                                                                                                                                           |
| 201528H | 11801 | " " " " " "                                                                                                                                                                                                               |
| 204370  | 11142 | Knife Bar Driving Cam with 200347c and 200434c .....                                                                                                                                                                      |
| 200434c | 11142 | Knife Bar Driving Cam Position Screw .....                                                                                                                                                                                |
| 201808  | —     | Knife Bar Driving Cam Roller and Stud .....                                                                                                                                                                               |
| 201842  | 11142 | Knife Bar Driving Cam Roller and Stud 201808 with 201528H .....                                                                                                                                                           |
| 201528H | 11801 | Knife Bar Driving Cam Roller and Stud Nut .....                                                                                                                                                                           |
| 200347c | 12376 | Knife Bar Driving Cam Set Screw                                                                                                                                                                                           |
| 204452  | 11140 | " Holder .....                                                                                                                                                                                                            |
| 200094F | 11140 | " " Screw .....                                                                                                                                                                                                           |
| 200126D | 11140 | " Screw, for $\frac{1}{16}$ in. gauge block                                                                                                                                                                               |
| 200076D | 11140 | " " " $\frac{1}{8}$ and $\frac{3}{16}$ in. gauge blocks .....                                                                                                                                                             |
| 200056D | 10884 | Knife Screw, for $\frac{1}{4}$ and $\frac{3}{8}$ in. gauge blocks .....                                                                                                                                                   |
| 203715  | 11802 | Needle Bar (hollow) .....                                                                                                                                                                                                 |
| 231390  | 11802 | " " " " .....                                                                                                                                                                                                             |
| 204248  | 12307 | " " Connecting Link ....                                                                                                                                                                                                  |
| 200658c | 12307 | " " " " Hinge Screw Stud .....                                                                                                                                                                                            |
| 201519E | 12307 | Needle Bar Connecting Link Hinge Screw Stud Nut .....                                                                                                                                                                     |
| 204249  | 12308 | Needle Bar Connecting Stud with 200072c and 202277 .....                                                                                                                                                                  |
| 202277  | —     | Needle Bar Connecting Stud Oil Packing (wick) .....                                                                                                                                                                       |
| 200072c | 12308 | Needle Bar Connecting Stud Pinch Screw .....                                                                                                                                                                              |
| 204326  | —     | Needle Bar Packing Cord (2) ....                                                                                                                                                                                          |
| 200868  | 11140 | " " Screw Bushing (lower)                                                                                                                                                                                                 |
| 200867B | 11140 | " " " " (upper)                                                                                                                                                                                                           |
| 229662  | 13140 | " Holder, in gauges $\frac{3}{16}$ , $\frac{1}{4}$ , $\frac{5}{16}$ , $\frac{3}{8}$ and $\frac{7}{8}$ in., for trimming .045, .060, .085 and .125 in., with 200141F, 200389c and two 200581H, for Needle Bar 203715 ..... |
| 231400  | 13140 | Needle Holder, in gauges from $\frac{1}{4}$ to $\frac{3}{4}$ in., in steps of $\frac{1}{8}$ in., for trimming .045, .060 and .085 in., with 201030F and two 200389c, for Needle Bar 231390 .....                          |
| 200581H | 12309 | Needle Holder Screw .....                                                                                                                                                                                                 |
| 201030F | 13136 | " " " " .....                                                                                                                                                                                                             |

| No.     | Plate | Name                                                                                                                          |
|---------|-------|-------------------------------------------------------------------------------------------------------------------------------|
| 200141F | 12332 | Needle Set Screw .....                                                                                                        |
| 200389c | 13136 | " " " .....                                                                                                                   |
| 204251  | 12334 | Presser Bar (hollow) with 200074F .....                                                                                       |
| 204252  | 12308 | " " Lifter .....                                                                                                              |
| 200550c | 12311 | " " " Hinge Screw ...                                                                                                         |
| 204455  | 11140 | " " Lifting Bracket with<br>200387c .....                                                                                     |
| 204254  | 12307 | Presser Bar Lifting Bracket Posi-<br>tion Guide .....                                                                         |
| 200362c | 12311 | Presser Bar Lifting Bracket Posi-<br>tion Guide Set Screw .....                                                               |
| 200387c | 12376 | Presser Bar Lifting Bracket Set<br>Screw .....                                                                                |
| 204327  | 12306 | Presser Bar Packing Washer (felt)                                                                                             |
| 200868  | 11140 | " " Screw Bushing (lower)                                                                                                     |
| 204255  | 13135 | " " Spring .....                                                                                                              |
| 200493B | 11140 | " " Thumb Screw (pres-<br>sure regulating) .....                                                                              |
| 229123  | 13144 | Presser Foot, 46 needle hole, in<br>gauges from $\frac{1}{16}$ to $\frac{1}{4}$ in., in steps<br>of $\frac{1}{16}$ inch ..... |
| 229124  | 13144 | Presser Foot, 46 needle hole, in<br>gauges from $\frac{1}{16}$ to $\frac{1}{4}$ in., in steps<br>of $\frac{1}{16}$ inch ..... |
| 200074F | 12308 | Presser Foot Screw .....                                                                                                      |
| 212920  | —     | Take-up Cam with 200335c and<br>200430c .....                                                                                 |
| 203268  | 12334 | Take-up Cam 212920 with 200383c,<br>200658c and 201519c .....                                                                 |
| 200430c | 12311 | Take-up Cam Position Screw .....                                                                                              |
| 200383c | 12311 | " " " " Check<br>Screw .....                                                                                                  |
| 200335c | 12311 | Take-up Cam Set Screw .....                                                                                                   |
| 204553  | 12386 | " Lever .....                                                                                                                 |
| 206601  | —     | " " 204553 with 204263 ..                                                                                                     |
| 204263  | 12386 | " " Bearing with 204264 ..                                                                                                    |
| 204264  | 12306 | " " " Position Pin ..                                                                                                         |
| 200042F | 12311 | " " " Screw .....                                                                                                             |
| 201816  | 12307 | " " Roller .....                                                                                                              |
| 204554  | 12386 | Take-up Lever complete, Nos.<br>200042F, 201816 and 206601 .....                                                              |
| 202402  | 12309 | Tension Disc .....                                                                                                            |
| 202090  | 12309 | " " Position Pin .....                                                                                                        |
| 204555  | 12332 | " Release Lever .....                                                                                                         |
| 200309E | 10483 | " " " Screw .....                                                                                                             |
| 202075  | 12309 | " " Plunger .....                                                                                                             |
| 204456  | 11803 | " " Slide .....                                                                                                               |
| 204457  | 11142 | " " " Spring .....                                                                                                            |
| 202407  | 10881 | " Spring .....                                                                                                                |
| 200632B | 12309 | " Stud .....                                                                                                                  |

| No.     | Plate | Name                                                                                                     |
|---------|-------|----------------------------------------------------------------------------------------------------------|
| 200397H | 12309 | Tension Stud Set Screw .....                                                                             |
| 201572B | 10881 | " Thumb Nut .....                                                                                        |
| 204271  | 12309 | " Washer .....                                                                                           |
| 204272  | 12309 | Tension complete, Nos. 200632B,<br>201572B, 202075, 202407, 204271<br>and two 202402 .....               |
| 204458  | 11140 | Thread Controller Adjusting Collar<br>with 200684H (for Presser Bar) ..                                  |
| 200684H | 12308 | Thread Controller Adjusting Collar<br>Screw .....                                                        |
| 204274  | 12309 | Thread Controller Plate .....                                                                            |
| 200577H | 12311 | " " " Screw ....                                                                                         |
| 202098  | 12309 | " " Roller .....                                                                                         |
| 204275  | 12309 | " " " Guard .....                                                                                        |
| 202084  | 12309 | " " " " Washer                                                                                           |
| 200300c | 12309 | " " " Screw .....                                                                                        |
| 204276  | 12309 | " " Spring .....                                                                                         |
| 204333  | 12309 | " " " Guard .....                                                                                        |
| 200581H | 12309 | " " " " Screw ..                                                                                         |
| 204277  | 12309 | " " " Stop .....                                                                                         |
| 204278  | 12309 | " " " " Driving<br>Gear .....                                                                            |
| 200319c | 12309 | Thread Controller Spring Stop Driv-<br>ing Gear Hinge Screw .....                                        |
| 200135E | 12309 | Thread Controller Spring Stop<br>Screw .....                                                             |
| 204279  | 12309 | Thread Controller Spring Stud with<br>204925 .....                                                       |
| 200366H | 12309 | Thread Controller Spring Stud Set<br>Screw .....                                                         |
| 204925  | 12306 | Thread Controller Spring Stud<br>Washer .....                                                            |
| 205987  | 12309 | Thread Controller complete, Nos.<br>200300c, 200581H, 202084, 202098,<br>204274, 204275 and 204333 ..... |
| 204280  | 12309 | Thread Controller and Spring com-<br>plete, Nos. 204276 and 205987 ..                                    |
| 204459  | 11803 | Thread Guide .....                                                                                       |
| 203313  | 12386 | " " .....                                                                                                |
| 204281  | 12309 | " Retainer Guide Wire .....                                                                              |
| 202091  | 12309 | " " Sleeve .....                                                                                         |
| 202092  | 12309 | " " Spring .....                                                                                         |
| 204058  | 12309 | " " Stud .....                                                                                           |
| 200368H | 12309 | " " " Set Screw ....                                                                                     |
| 204059  | 12309 | Thread Retainer complete, Nos.<br>202091, 202092 and 204058 .....                                        |



| No.     | Plate | Name                                                                                                                                                                                                                                                              |
|---------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 222298  | 13147 | Throat Plate, 50 needle hole, for needle sizes 14 and 15, in $\frac{3}{8}$ in. gauge, with 200178b, 200587b, 211416 and 211426, trims opposite the needle and .060 and .085 in. to right of seam, for 211884 ....                                                 |
| 222334  | 13148 | Throat Plate, 50 needle hole, for needle sizes 14 and 15, in $\frac{1}{2}$ in. gauge, with 200178b, 200587b, 211416 and 211426, trims opposite the needle and .060 and .085 in. to right of seam, for 211805 ....                                                 |
| 222238  | 13147 | Throat Plate, 50 needle hole, for needle sizes 14 and 15, in gauges $\frac{3}{8}$ and $\frac{1}{2}$ in., with 200178b, 200587b, 211416 and 211426, trims opposite the needle and .060, .085, .115 and .125 in. to right of seam, for 222235 .....                 |
| 212050  | 13147 | Throat Plate, 50 needle hole, for needle sizes 14 and 15, in gauges $\frac{3}{8}$ , $\frac{1}{2}$ and $\frac{5}{8}$ in., with 200178b, 200587b, 211416 and 211426, trims opposite the needle and .060, .085, .115 and .125 in. to right of seam, for 211809 ..... |
| 200161b | 12319 | Throat Plate Clamp Screw .....                                                                                                                                                                                                                                    |
| 211426  | 11823 | " " Knife Follower .....                                                                                                                                                                                                                                          |
| 200587b | 10483 | " " " " Screw ..                                                                                                                                                                                                                                                  |
| 211416  | 11823 | " " " " Spring                                                                                                                                                                                                                                                    |
| 200178b | 11823 | " " " " " "                                                                                                                                                                                                                                                       |
|         |       | Screw .....                                                                                                                                                                                                                                                       |
| 202062  | 12308 | Throat Plate Position Pin .....                                                                                                                                                                                                                                   |
| 200577H | 12311 | " " Screw .....                                                                                                                                                                                                                                                   |

## LIST OF PARTS COMPLETE

FOR

## MACHINE No. 22w111

For Tailoring

In gauges from  $\frac{1}{8}$  to  $\frac{3}{4}$  inch

| No.     | Plate | Name                                                                                                            |
|---------|-------|-----------------------------------------------------------------------------------------------------------------|
| *204290 | ----- | Arm with 200439c, 202036 and 204705 .....                                                                       |
| 204163  | 12305 | Arm Cap .....                                                                                                   |
| 200278H | 12311 | " " Screw .....                                                                                                 |
| 202248  | 12307 | " " " Washer .....                                                                                              |
| 200963E | 12311 | " Screw (3) .....                                                                                               |
| 202005  | 12308 | " " Washer (3) .....                                                                                            |
| 213622  | 12333 | " Shaft .....                                                                                                   |
| 204705  | 12334 | " " Bushing (front) .....                                                                                       |
| 200439c | 12311 | " " " Position Screw ..                                                                                         |
| 204440  | 12333 | " " Connection with four 200054c (2) .....                                                                      |
| 200054E | 12307 | Arm Shaft Connection Screw ....                                                                                 |
| 202299  | ----- | " " Oil Packing (wick) (2)                                                                                      |
| 204805  | 13329 | Balance Wheel, 5 $\frac{1}{4}$ in. diam. (belt groove 2 $\frac{3}{4}$ in. diam.) with 200328c and 200335c ..... |
| 200062H | 12311 | Balance Wheel Adjusting Screw ..                                                                                |
| 200328c | 12311 | " " Position Screw ....                                                                                         |
| 200335c | 12311 | " " Set Screw .....                                                                                             |
| *213052 | ----- | Bed with 202062, 203248, 203249, two each 200362c, 200516E, 200840E and 202299 .....                            |
| 202258  | 12345 | Bed Hinge Connection (2) .....                                                                                  |
| 200570E | 12311 | " " " Screw (4) ....                                                                                            |
| 203329  | 11802 | " Slide (back) .....                                                                                            |
| 203301  | 12334 | " " (front) .....                                                                                               |
| 203208  | 12312 | Bobbin (2) .....                                                                                                |
| 203210  | 12312 | " Case Base with 202056, 203211 to 203213 and 203216 .....                                                      |
| 203211  | 12312 | Bobbin Case Base Latch .....                                                                                    |
| *202056 | ----- | " " " Pin .....                                                                                                 |
| 203212  | 12312 | " " " Plunger ..                                                                                                |
| 203213  | 12312 | " " " Spring ..                                                                                                 |
| 203209  | 12312 | " " Cap with 200984c, 203214, 203215 and two 200594c..                                                          |

| No.     | Plate | Name                                                                                                                                      |
|---------|-------|-------------------------------------------------------------------------------------------------------------------------------------------|
| 203214  | 12312 | Bobbin Case Tension Spring .....                                                                                                          |
| 200984c | 12312 | " " " " Regulat-<br>ing Screw .....                                                                                                       |
| 200594c | 12312 | Bobbin Case Tension Spring Screw                                                                                                          |
| 203215  | 12312 | " " Thread Guide .....                                                                                                                    |
| 200594c | 12312 | " " " " Screw ..                                                                                                                          |
| 203216  | 12312 | " " Washer (cloth) .....                                                                                                                  |
| 203217  | 12312 | Bobbin Case complete, Nos. 203209<br>and 203210 .....                                                                                     |
| 204533  | 12333 | Face Plate with 200366n, 204730,<br>two each 200368n, 202090, 204281<br>and three 200397n .....                                           |
| 200053c | 12311 | Face Plate Screw .....                                                                                                                    |
| 204730  | 12386 | " " Thread Guide .....                                                                                                                    |
| 200397n | 12309 | " " " " Set Screw                                                                                                                         |
| 204874  | 12333 | Face Plate complete, Nos. 200135n,<br>200319c, 200577n, 204277 to 204280,<br>204533, 204555, two each 200309c,<br>204059 and 204272 ..... |
| 203303  | 12334 | Feed Bar with 204189 .....                                                                                                                |
| 203309  | —     | " " 203303 with 200214n,<br>201525c and 204200 .....                                                                                      |
| 200214c | 12386 | Feed Bar Hinge Screw .....                                                                                                                |
| 201525c | 12386 | " " " " Nut .....                                                                                                                         |
| 214424  | 11142 | " " Spring .....                                                                                                                          |
| 204189  | 12306 | " " " Hook .....                                                                                                                          |
| 211298  | 13142 | " Dog, for 211191 .....                                                                                                                   |
| 212571  | 11813 | " " " 211050 .....                                                                                                                        |
| 236411  | 13143 | " " " 211054 .....                                                                                                                        |
| 236419  | 11813 | " " " 211058 .....                                                                                                                        |
| 236423  | 13143 | " " " 211061 .....                                                                                                                        |
| 212474  | 11814 | " " " 211064 .....                                                                                                                        |
| 212169  | 11814 | " " " 211067 .....                                                                                                                        |
| 211674  | 12092 | " " " 211672 .....                                                                                                                        |
| 211679  | 12093 | " " " 211677 .....                                                                                                                        |
| 211685  | 12093 | " " " 211682 .....                                                                                                                        |
| 200106c | 12311 | " " Screw (2) .....                                                                                                                       |
| 200075c | 11801 | " " Support Screw .....                                                                                                                   |
| 201535c | 11801 | " " " " Nut .....                                                                                                                         |
| 203233  | 12305 | " Driving Cam with 200382c and<br>200437c .....                                                                                           |
| 204192  | —     | Feed Driving Cam Fork Lever with<br>204195 and 204293 .....                                                                               |
| 204193  | 12334 | Feed Driving Cam Fork Lever Con-<br>nection with 200668c and 201525c                                                                      |
| 204194  | 12306 | Feed Driving Cam Fork Lever Con-<br>nection Clamp with 200031c .....                                                                      |
| 200031c | 12311 | Feed Driving Cam Fork Lever Con-<br>nection Clamp Pinch Screw .....                                                                       |

| No.     | Plate | Name                                                                                 |
|---------|-------|--------------------------------------------------------------------------------------|
| 200668c | 12386 | Feed Driving Cam Fork Lever Con-<br>nection Clamp Screw Stud ....                    |
| 201525c | 12386 | Feed Driving Cam Fork Lever Con-<br>nection Clamp Screw Stud Nut..                   |
| 200002c | 12332 | Feed Driving Cam Fork Lever Con-<br>nection Hinge Screw .....                        |
| 201522c | 12332 | Feed Driving Cam Fork Lever Con-<br>nection Hinge Screw Nut .....                    |
| *204195 | —     | Feed Driving Cam Fork Lever<br>Shaft .....                                           |
| 204197  | 12306 | Feed Driving Cam Fork Lever<br>Shaft Collar with 200113c .....                       |
| 200113c | 12308 | Feed Driving Cam Fork Lever<br>Shaft Collar Set Screw .....                          |
| 204293  | 12308 | Feed Driving Cam Fork Lever<br>Shaft Position Pin .....                              |
| 204196  | 12307 | Feed Driving Cam Fork Lever<br>Shaft Sleeve (split) .....                            |
| 200043c | 12311 | Feed Driving Cam Fork Lever<br>Shaft Sleeve Set Screw .....                          |
| 201524c | 12332 | Feed Driving Cam Fork Lever<br>Shaft Sleeve Set Screw Nut ....                       |
| 204198  | 12334 | Feed Driving Cam Fork Lever com-<br>plete, Nos. 204192 and 204194 ..                 |
| 200437c | 12311 | Feed Driving Cam Position Screw                                                      |
| 200382c | 11142 | " " " " Set Screw ....                                                               |
| 204294  | 12333 | " " Rock Shaft .....                                                                 |
| 206555  | —     | " " " " 204294 with<br>200002c, 201522c and 204193 ....                              |
| 202305  | 12307 | Feed Driving Rock Shaft Center (2)                                                   |
| 200043c | 12311 | " " " " " Set<br>Screw (2) .....                                                     |
| 204200  | 12305 | Feed Driving Rock Shaft Crank<br>with 204189 (on left side) and<br>two 200383c ..... |
| 200383c | 12311 | Feed Driving Rock Shaft Crank Set<br>Screw .....                                     |
| 203235  | 12308 | Feed Lifting Cam with 202126 ....                                                    |
| 204202  | 12308 | " " " Fork with 200027c                                                              |
| 200027c | 12332 | " " " " Pinch Screw                                                                  |
| 202126  | 12308 | " " " Position Pin ...                                                               |
| 200045c | 12332 | " " " Screw .....                                                                    |
| 203305  | 12334 | " " Rock Shaft .....                                                                 |
| 203315  | 12334 | " " " " 203305 with<br>203238 .....                                                  |
| 202305  | 12307 | Feed Lifting Rock Shaft Center (2)                                                   |
| 200043c | 12311 | " " " " " Set<br>Screw (2) .....                                                     |
| 202276  | 12308 | Feed Lifting Rock Shaft Slide<br>Block .....                                         |

| No.     | Plate | Name                                                                           |
|---------|-------|--------------------------------------------------------------------------------|
| 203238  | 12308 | Feed Lifting Rock Shaft Slide Block 202276 with 200243E and 201531E .....      |
| 200243E | 12332 | Feed Lifting Rock Shaft Slide Block Hinge Screw .....                          |
| 201531E | 12308 | Feed Lifting Rock Shaft Slide Block Hinge Screw Nut .....                      |
| 204206  | 12306 | Feed Regulating Handle .....                                                   |
| 204207  | 12334 | " " " 204206 with 200098F, 202622, 204208 to 204210, 204213 and 204925 .....   |
| 204208  | 12307 | Feed Regulating Handle Adjustable Stop .....                                   |
| 200098F | 12307 | Feed Regulating Handle Adjustable Stop Screw .....                             |
| 204925  | 12306 | Feed Regulating Handle Adjustable Stop Screw Washer .....                      |
| 204209  | 12307 | Feed Regulating Handle Position Pin .....                                      |
| 204210  | 12306 | Feed Regulating Handle Shaft                                                   |
| 204211  | 12306 | " " " " Crank with 200098F .....                                               |
| 204212  | 12307 | Feed Regulating Handle Shaft Crank Link .....                                  |
| 200271E | 12311 | Feed Regulating Handle Shaft Crank Link Hinge Screw (lower)                    |
| 200291E | 12307 | Feed Regulating Handle Shaft Crank Link Hinge Screw (upper)                    |
| 200098F | 12307 | Feed Regulating Handle Shaft Crank Set Screw .....                             |
| 204213  | 12307 | Feed Regulating Handle Shaft Sleeve (split) .....                              |
| 200362c | 12311 | Feed Regulating Handle Shaft Sleeve Set Screw .....                            |
| 202622  | 12306 | Feed Regulating Handle Shaft Sleeve Washer .....                               |
| 202036  | 12332 | Feed Regulating Handle Stop Pin                                                |
| 204214  | —     | Feed Regulating Handle complete, Nos. 200291E, 204207, 204211 and 204212 ..... |
| *203239 | —     | Hook (sewing) .....                                                            |
| 203240  | 12312 | " 203239 with 201253F, 201376F and 203251 .....                                |
| 203290  | 12312 | Hook and Bobbin Case complete, Nos. 203217 and 203240 .....                    |
| 203241  | 11007 | Hook Bevel Gear Socket, 24 teeth                                               |
| 200555F | 11007 | " " " " Screw ...                                                              |
| 203242  | 11007 | " " Pinion, 24 teeth, with two 200383c (2) .....                               |

| No.     | Plate | Name                                                                |
|---------|-------|---------------------------------------------------------------------|
| 200383c | 12311 | Hook Bevel Pinion Set Screw ....                                    |
| 203306  | 12333 | " Counter Shaft .....                                               |
| 203244  | 11007 | " " " Collar with two 200393c .....                                 |
| 200393c | 11007 | Hook Counter Shaft Collar Set Screw .....                           |
| 203245  | 11007 | Hook Counter Shaft Driving Gear, 44 teeth, with 200362c and 200439c |
| 213154  | 12305 | Hook Counter Shaft Driving Gear 203245 with 200045E and 203235..    |
| 200439c | 12311 | Hook Counter Shaft Driving Gear Position Screw .....                |
| 200362c | 12311 | Hook Counter Shaft Driving Gear Set Screw .....                     |
| 203246  | 11007 | Hook Counter Shaft Gear, 22 teeth, with two 200383c .....           |
| 200383c | 12311 | Hook Counter Shaft Gear Set Screw                                   |
| 202299  | —     | " " " Oil Packing (wick) .....                                      |
| 200840E | 11007 | Hook Counter Shaft Oil Packing (wick) Stop Screw .....              |
| 213624  | 12333 | Hook Driving Shaft .....                                            |
| 203248  | 12334 | " " " Bearing with 202299 .....                                     |
| 202299  | —     | Hook Driving Shaft Bearing Oil Packing (wick) .....                 |
| 202126  | 12308 | Hook Driving Shaft Bearing Position Pin .....                       |
| 200516E | 12311 | Hook Driving Shaft Bearing Screw                                    |
| 203249  | 11007 | " " " Bushing (eccentric) .....                                     |
| 202299  | —     | Hook Driving Shaft Bushing Oil Packing (wick) .....                 |
| 200362c | 12311 | Hook Driving Shaft Bushing Set Screw .....                          |
| 213141  | 11801 | Hook Driving Shaft Collar with two 200393c .....                    |
| 200393c | 11007 | Hook Driving Shaft Collar Set Screw .....                           |
| 203251  | 12312 | Hook Gib .....                                                      |
| 201376F | 13136 | " " Hinge Screw .....                                               |
| 201253F | 13136 | " " Screw .....                                                     |
| 203307  | 12335 | " Saddle (left or right) with 202299 .....                          |
| 202299  | —     | Hook Saddle Oil Packing (wick)..                                    |
| 200006E | 11007 | " " Screw (4) .....                                                 |
| 225585  | 11007 | " " " Washer (1) ....                                               |
| 203254  | 12312 | " Washer .....                                                      |

| No.     | Plate | Name                                                                                                                                 |
|---------|-------|--------------------------------------------------------------------------------------------------------------------------------------|
| 203308  | 12335 | Hook Saddle complete, Nos. 200555H, 203241, 203254, 203290 and 203307 .....                                                          |
| 203462  | —     | Hook Saddle Combination (left and right) complete, Nos. two 203308 .....                                                             |
| 208490  | —     | Knee Lifter Connection Lever .....                                                                                                   |
| 227312  | —     | " " " " 208490 with 227303, 227308 and two 200262H .....                                                                             |
| 200262H | 12306 | Knee Lifter Connection Lever Hinge Screw .....                                                                                       |
| 227308  | 11125 | Knee Lifter Connection Lever Lifting Rod with 202302 .....                                                                           |
| 202302  | 12306 | Knee Lifter Connection Lever Lifting Rod Cotter Pin .....                                                                            |
| 227303  | 11125 | Knee Lifter Lifting Lever .....                                                                                                      |
| 200262H | 12306 | " " " " Hinge Screw .....                                                                                                            |
| 231390  | 11802 | Needle Bar (hollow) .....                                                                                                            |
| 204248  | 12307 | " " Connecting Link .....                                                                                                            |
| 200658C | 12307 | " " " " Hinge Screw Stud .....                                                                                                       |
| 201519E | 12307 | Needle Bar Connecting Link Hinge Screw Stud Nut .....                                                                                |
| 204249  | 12308 | Needle Bar Connecting Stud with 200072C and 202277 .....                                                                             |
| 202277  | —     | Needle Bar Connecting Stud Oil Packing (wick) .....                                                                                  |
| 200072C | 12308 | Needle Bar Connecting Stud Pinch Screw .....                                                                                         |
| 204326  | —     | Needle Bar Packing Cord (2) .....                                                                                                    |
| 200504E | 12386 | " " Screw Bushing (lower) .....                                                                                                      |
| 200503B | 12386 | " " " " (upper) .....                                                                                                                |
| 231383  | 13140 | " Holder, in gauges from $\frac{1}{4}$ to $\frac{1}{2}$ in., in steps of $\frac{1}{16}$ in., with 201030F and two 200141F .....      |
| 231385  | 13140 | Needle Holder, in gauges from $\frac{1}{4}$ to $\frac{1}{2}$ in., in steps of $\frac{1}{16}$ in., with 201030F and two 200141F ..... |
| 201030F | 13136 | Needle Holder Screw .....                                                                                                            |
| 200141F | 12332 | " Set Screw .....                                                                                                                    |
| 204251  | 12334 | Presser Bar (hollow) with 200074F .....                                                                                              |
| 204252  | 12308 | " " Lifter .....                                                                                                                     |
| 200550C | 12311 | " " " Hinge Screw .....                                                                                                              |
| 204253  | 12308 | " " Lifting Bracket with 200086C .....                                                                                               |
| 200086C | 12308 | Presser Bar Lifting Bracket Pinch Screw .....                                                                                        |

| No.     | Plate | Name                                                                                                                   |
|---------|-------|------------------------------------------------------------------------------------------------------------------------|
| 204254  | 12307 | Presser Bar Lifting Bracket Position Guide .....                                                                       |
| 200362C | 12311 | Presser Bar Lifting Bracket Position Guide Set Screw .....                                                             |
| 204327  | 12306 | Presser Bar Packing Washer (felt) .....                                                                                |
| 200504E | 12386 | " " Screw Bushing (lower) .....                                                                                        |
| 204258  | 12386 | " " Spring (heavy) .....                                                                                               |
| 200491B | 12305 | " " Thumb Screw (pressure regulating) .....                                                                            |
| 229102  | 12332 | Presser Foot, 46 needle hole, in gauges $\frac{1}{4}$ , $\frac{3}{8}$ , $\frac{1}{2}$ and $\frac{5}{8}$ inch .....     |
| 229103  | 14004 | Presser Foot, 46 needle hole, in gauges $\frac{1}{4}$ , $\frac{3}{8}$ and $\frac{1}{2}$ inch .....                     |
| 229104  | 12164 | Presser Foot, 46 needle hole, in gauges from $\frac{1}{8}$ to $\frac{1}{2}$ in., in steps of $\frac{1}{16}$ inch ..... |
| 229105  | 12164 | Presser Foot, 46 needle hole, in gauges $\frac{1}{8}$ and $\frac{3}{8}$ inch .....                                     |
| 229106  | 12164 | Presser Foot, 46 needle hole, in gauges $\frac{1}{8}$ , $\frac{3}{8}$ , $\frac{1}{2}$ and $\frac{5}{8}$ inch .....     |
| 229107  | 12164 | Presser Foot, 46 needle hole, in gauges $\frac{3}{8}$ and $\frac{1}{2}$ inch .....                                     |
| 200074F | 12308 | Presser Foot Screw .....                                                                                               |
| 226057  | 11018 | Quilter Bracket with 200481B .....                                                                                     |
| 200118E | 11803 | " " Screw .....                                                                                                        |
| 200481B | 11018 | " Thumb Screw .....                                                                                                    |
| 212920  | —     | Take-up Cam with 200335C and 200430C .....                                                                             |
| 203268  | 12334 | Take-up Cam 212920 with 200383C, 200658C and 201519E .....                                                             |
| 203172  | 12307 | Take-up Cam Friction Washer .....                                                                                      |
| 200430C | 12311 | " " Position Screw .....                                                                                               |
| 200383C | 12311 | " " " " Check Screw .....                                                                                              |
| 200335C | 12311 | Take-up Cam Set Screw .....                                                                                            |
| 204553  | 12386 | " Lever .....                                                                                                          |
| 206601  | —     | " " 204553 with 204263 .....                                                                                           |
| 204263  | 12386 | " " Bearing with 204264 .....                                                                                          |
| 204264  | 12306 | " " " Position Pin .....                                                                                               |
| 200042F | 12311 | " " " Screw .....                                                                                                      |
| 201816  | 12307 | " " Roller .....                                                                                                       |
| 204554  | 12386 | Take-up Lever complete, Nos. 200042F, 201816 and 206601 .....                                                          |
| 202402  | 12309 | Tension Disc .....                                                                                                     |
| 202090  | 12309 | " " Position Pin .....                                                                                                 |
| 204555  | 12332 | " Release Lever .....                                                                                                  |
| 200309E | 10483 | " " " Screw .....                                                                                                      |
| 202075  | 12309 | " " Plunger .....                                                                                                      |
| 208489  | —     | " " Slide .....                                                                                                        |
| 206608  | 13136 | " " " Spring .....                                                                                                     |

| No.     | Plate | Name                                                                                                     |
|---------|-------|----------------------------------------------------------------------------------------------------------|
| 202407  | 10881 | Tension Spring .....                                                                                     |
| 200632B | 12309 | " Stud .....                                                                                             |
| 200397H | 12309 | " " Set Screw .....                                                                                      |
| 201572B | 10881 | " Thumb Nut .....                                                                                        |
| 204271  | 12309 | " Washer .....                                                                                           |
| 204272  | 12309 | Tension complete, Nos. 200632B,<br>201572B, 202075, 202407, 204271<br>and two 202402 .....               |
| 204273  | 12308 | Thread Controller Adjusting Collar<br>with 200684H (for Presser Bar) ..                                  |
| 200684H | 12308 | Thread Controller Adjusting Collar<br>Screw .....                                                        |
| 204274  | 12309 | Thread Controller Plate .....                                                                            |
| 200577H | 12311 | " " " Screw ....                                                                                         |
| 202098  | 12309 | " " Roller .....                                                                                         |
| 204275  | 12309 | " " " Guard .....                                                                                        |
| 202084  | 12309 | " " " Washer .....                                                                                       |
| 200300C | 12309 | " " " Screw .....                                                                                        |
| 204276  | 12309 | " " Spring .....                                                                                         |
| 204333  | 12309 | " " " Guard .....                                                                                        |
| 200581H | 12309 | " " " " Screw .....                                                                                      |
| 204277  | 12309 | " " " Stop .....                                                                                         |
| 204278  | 12309 | " " " " Driving<br>Gear .....                                                                            |
| 200319C | 12309 | Thread Controller Spring Stop Driv-<br>ing Gear Hinge Screw .....                                        |
| 200135E | 12309 | Thread Controller Spring Stop<br>Screw .....                                                             |
| 204279  | 12309 | Thread Controller Spring Stud with<br>204925 .....                                                       |
| 200366H | 12309 | Thread Controller Spring Stud Set<br>Screw .....                                                         |
| 204925  | 12306 | Thread Controller Spring Stud<br>Washer .....                                                            |
| 205987  | 12309 | Thread Controller complete, Nos.<br>200300C, 200581H, 202084, 202098,<br>204274, 204275 and 204333 ..... |
| 204280  | 12309 | Thread Controller and Spring com-<br>plete, Nos. 204276 and 205987 ..                                    |
| 203313  | 12386 | Thread Guide .....                                                                                       |
| 204556  | 12386 | " " .....                                                                                                |
| 204281  | 12309 | " Retainer Guide Wire .....                                                                              |
| 202091  | 12309 | " " Sleeve .....                                                                                         |
| 202092  | 12309 | " " Spring .....                                                                                         |
| 204058  | 12309 | " " Stud .....                                                                                           |
| 200368H | 12309 | " " " Set Screw .....                                                                                    |
| 204059  | 12309 | Thread Retainer complete, Nos.<br>202091, 202092 and 204058 .....                                        |

| No.     | Plate | Name                                                                                                                                            |
|---------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| 211191  | 13148 | Throat Plate, 46 needle hole, for<br>needle sizes 16 and 18, in $\frac{1}{4}$ in.<br>gauge, for 211298 .....                                    |
| 211050  | 11813 | Throat Plate, 46 needle hole, for<br>needle sizes 16 and 18, in gauges<br>$\frac{3}{16}$ and $\frac{1}{4}$ in., for 212571 .....                |
| 211054  | 11813 | Throat Plate, 46 needle hole, for<br>needle sizes 16 and 18, in gauges<br>$\frac{3}{16}$ and $\frac{1}{4}$ in., for 236411 .....                |
| 211058  | 11813 | Throat Plate, 46 needle hole, for<br>needle sizes 16 and 18, in gauges<br>$\frac{3}{16}$ and $\frac{1}{4}$ in., for 236419 .....                |
| 211061  | 11814 | Throat Plate, 46 needle hole, for<br>needle sizes 16 and 18, in gauges<br>$\frac{1}{4}$ and $\frac{3}{8}$ in., for 236423 .....                 |
| 211064  | 11814 | Throat Plate, 46 needle hole, for<br>needle sizes 16 and 18, in gauges<br>$\frac{1}{4}$ and $\frac{3}{8}$ in., for 212474 .....                 |
| 211067  | 11814 | Throat Plate, 46 needle hole, for<br>needle sizes 16 and 18, in gauges<br>$\frac{1}{4}$ and $\frac{1}{2}$ in., for 212169 .....                 |
| 211672  | 12092 | Throat Plate, 46 needle hole, for<br>needle sizes 16 and 18, in gauges<br>$\frac{1}{4}$ , $\frac{3}{8}$ and $\frac{1}{2}$ in., for 211674 ..... |
| 211677  | 12093 | Throat Plate, 46 needle hole, for<br>needle sizes 16 and 18, in gauges<br>$\frac{1}{4}$ , $\frac{3}{8}$ and $\frac{1}{2}$ in., for 211679 ..... |
| 211682  | 12093 | Throat Plate, 46 needle hole, for<br>needle sizes 16 and 18, in gauges<br>$\frac{1}{4}$ and $\frac{3}{8}$ in., for 211685 .....                 |
| 200161D | 12319 | Throat Plate Clamp Screw .....                                                                                                                  |
| 202062  | 12308 | " " Position Pin .....                                                                                                                          |
| 200577H | 12311 | " " Screw .....                                                                                                                                 |

## LIST OF PARTS COMPLETE

FOR

## MACHINE No. 22w113

DROP FEED. ALTERNATING PRESSERS

For Tailoring

In gauges from  $\frac{1}{8}$  to  $\frac{3}{4}$  inch

| No.     | Plate | Name                                                                                                           |
|---------|-------|----------------------------------------------------------------------------------------------------------------|
| *204497 | ----  | Arm with 200439c, 202036 and 204705 .....                                                                      |
| 204163  | 12305 | Arm Cap .....                                                                                                  |
| 200278u | 12311 | " " Screw .....                                                                                                |
| 202248  | 12307 | " " Washer .....                                                                                               |
| 200963e | 12311 | " Screw (3) .....                                                                                              |
| 202005  | 12308 | " " Washer (3) .....                                                                                           |
| 213010  | 13137 | " Shaft .....                                                                                                  |
| 204705  | 12334 | " " Bushing (front) .....                                                                                      |
| 200439c | 12311 | " " " Position Screw ..                                                                                        |
| 204440  | 12333 | " " Connection with four 200054e (2) .....                                                                     |
| 200054e | 12307 | Arm Shaft Connection Screw .....                                                                               |
| 202299  | ----  | " " Oil Packing (wick) (2) .....                                                                               |
| 204805  | 13329 | Balance Wheel, $5\frac{1}{2}$ in. diam. (belt groove $2\frac{3}{4}$ in. diam.), with 200328c and 200335c ..... |
| 200062u | 12311 | Balance Wheel Adjusting Screw ..                                                                               |
| 200328c | 12311 | " " Position Screw .....                                                                                       |
| 200335c | 12311 | " " Set Screw .....                                                                                            |
| *213052 | ----  | Bed with 202062, 203248, 203249, two each 200362c, 200516e, 200840e and 202299 .....                           |
| 202258  | 12345 | Bed Hinge Connection (2) .....                                                                                 |
| 200570e | 12311 | " " " Screw (4) .....                                                                                          |
| 203329  | 11802 | " Slide (back) .....                                                                                           |
| 203301  | 12334 | " " (front) .....                                                                                              |
| 203208  | 12312 | Bobbin (2) .....                                                                                               |
| 203210  | 12312 | " Case Base with 202056, 203211 to 203213 and 203216 .....                                                     |
| 203211  | 12312 | Bobbin Case Base Latch .....                                                                                   |
| *202056 | ----  | " " " " Pin .....                                                                                              |
| 203212  | 12312 | " " " " Plunger ..                                                                                             |
| 203213  | 12312 | " " " " Spring ..                                                                                              |

## Parts for Machine No. 22w113

| No.     | Plate | Name                                                                                                         |
|---------|-------|--------------------------------------------------------------------------------------------------------------|
| 203209  | 12312 | Bobbin Case Cap with 200984c, 203214, 203215 and two 200594c ..                                              |
| 203214  | 12312 | Bobbin Case Tension Spring .....                                                                             |
| 200984c | 12312 | " " " " Regulat- ing Screw .....                                                                             |
| 200594c | 12312 | Bobbin Case Tension Spring Screw ..                                                                          |
| 203215  | 12312 | " " Thread Guide .....                                                                                       |
| 200594c | 12312 | " " " " Screw ..                                                                                             |
| 203216  | 12312 | " " Washer (cloth) .....                                                                                     |
| 203217  | 12312 | Bobbin Case complete, Nos. 203209 and 203210 .....                                                           |
| 213746  | 11804 | Face Plate with 200366u, 202087, 204730, two each 200368u, 202090, 204281 and three 200397u .....            |
| 200053c | 12311 | Face Plate Screw .....                                                                                       |
| 204730  | 12386 | " " Thread Guide .....                                                                                       |
| 200397u | 12309 | " " " " Set Screw ..                                                                                         |
| 213747  | 11804 | Face Plate complete, Nos. 200577u, 202088, 203766, 204280, 213746, two each 200309e, 204059 and 204272 ..... |
| 203303  | 12334 | Feed Bar with 204189 .....                                                                                   |
| 203309  | ----  | " " 203303 with 200214e, 201525e and 204200 .....                                                            |
| 200214e | 12386 | Feed Bar Hinge Screw .....                                                                                   |
| 201525e | 12386 | " " " " Nut .....                                                                                            |
| 214424  | 11142 | " " Spring .....                                                                                             |
| 204189  | 12306 | " " " Hook .....                                                                                             |
| 211652  | 13141 | " Dog, for 211859 .....                                                                                      |
| 212571  | 11813 | " " " 211050 .....                                                                                           |
| 236411  | 13143 | " " " 211054 .....                                                                                           |
| 236419  | 11813 | " " " 211058 .....                                                                                           |
| 236423  | 13143 | " " " 211061 .....                                                                                           |
| 212474  | 11814 | " " " 211064 .....                                                                                           |
| 212169  | 11814 | " " " 211067 .....                                                                                           |
| 211674  | 12092 | " " " 211672 .....                                                                                           |
| 211679  | 12093 | " " " 211677 .....                                                                                           |
| 211685  | 12093 | " " " 211682 .....                                                                                           |
| 200106e | 12311 | " " Screw (2) .....                                                                                          |
| 200075e | 11801 | " " Support Screw .....                                                                                      |
| 201535e | 11801 | " " " " Nut .....                                                                                            |
| 203233  | 12305 | " Driving Cam with 200382c and 200437c .....                                                                 |
| 204192  | - - - | Feed Driving Cam Fork Lever with 204195 and 204293 .....                                                     |
| 204193  | 12334 | Feed Driving Cam Fork Lever Con- nection with 200668c and 201525e ..                                         |
| 204194  | 12306 | Feed Driving Cam Fork Lever Con- nection Clamp with 200031e ....                                             |

| No.     | Plate | Name                                                                           |
|---------|-------|--------------------------------------------------------------------------------|
| 200031F | 12311 | Feed Driving Cam Fork Lever Connection Clamp Pinch Screw ....                  |
| 200668c | 12386 | Feed Driving Cam Fork Lever Connection Clamp Screw Stud ....                   |
| 201525E | 12386 | Feed Driving Cam Fork Lever Connection Clamp Screw Stud Nut ..                 |
| 200002E | 12332 | Feed Driving Cam Fork Lever Connection Hinge Screw .....                       |
| 201522E | 12332 | Feed Driving Cam Fork Lever Connection Hinge Screw Nut .....                   |
| *204195 | ---   | Feed Driving Cam Fork Lever Shaft .....                                        |
| 204197  | 12306 | Feed Driving Cam Fork Lever Shaft Collar with 200113n .....                    |
| 200113F | 12308 | Feed Driving Cam Fork Lever Shaft Collar Set Screw .....                       |
| 204293  | 12308 | Feed Driving Cam Fork Lever Shaft Position Pin .....                           |
| 204196  | 12307 | Feed Driving Cam Fork Lever Shaft Sleeve (split) .....                         |
| 200043c | 12311 | Feed Driving Cam Fork Lever Shaft Sleeve Set Screw .....                       |
| 201524E | 12332 | Feed Driving Cam Fork Lever Shaft Sleeve Set Screw Nut ...                     |
| 204198  | 12334 | Feed Driving Cam Fork Lever complete, Nos. 204192 and 204194 ..                |
| 200437c | 12311 | Feed Driving Cam Position Screw                                                |
| 200382c | 11142 | " " " Set Screw .....                                                          |
| 204294  | 12333 | " " Rock Shaft .....                                                           |
| 206555  | ---   | " " " " 204294 with 200002E, 201522E and 204193 ....                           |
| 202305  | 12307 | Feed Driving Rock Shaft Center (2)                                             |
| 200043c | 12311 | " " " " " Set Screw (2) .....                                                  |
| 204200  | 12305 | Feed Driving Rock Shaft Crank with 204189 (on left side) and two 200383c ..... |
| 200383c | 12311 | Feed Driving Rock Shaft Crank Set Screw .....                                  |
| 203235  | 12308 | Feed Lifting Cam with 202126 ...                                               |
| 204202  | 12308 | " " " Fork with 200027E                                                        |
| 200027E | 12332 | " " " Pinch Screw                                                              |
| 202126  | 12308 | " " " Position Pin ...                                                         |
| 200045E | 12332 | " " " Screw .....                                                              |
| 203305  | 12334 | " " Rock Shaft .....                                                           |
| 203315  | 12334 | " " " " 203305 with 203238 .....                                               |
| 202305  | 12307 | Feed Lifting Rock Shaft Center (2)                                             |
| 200043c | 12311 | " " " " " Set Screw (2) .....                                                  |

| No.     | Plate | Name                                                                           |
|---------|-------|--------------------------------------------------------------------------------|
| 202276  | 12308 | Feed Lifting Rock Shaft Slide Block .....                                      |
| 203238  | 12308 | Feed Lifting Rock Shaft Slide Block 202276 with 200243E and 201531E .....      |
| 200243E | 12332 | Feed Lifting Rock Shaft Slide Block Hinge Screw .....                          |
| 201531E | 12308 | Feed Lifting Rock Shaft Slide Block Hinge Screw Nut .....                      |
| 204206  | 12306 | Feed Regulating Handle .....                                                   |
| 204207  | 12334 | " " " 204206 with 200098E, 202622, 204208 to 204210, 204213 and 204925 .....   |
| 204208  | 12307 | Feed Regulating Handle Adjustable Stop .....                                   |
| 200098E | 12307 | Feed Regulating Handle Adjustable Stop Screw .....                             |
| 204925  | 12306 | Feed Regulating Handle Adjustable Stop Screw Washer .....                      |
| 204209  | 12307 | Feed Regulating Handle Position Pin .....                                      |
| 204210  | 12306 | Feed Regulating Handle Shaft ....                                              |
| 204211  | 12306 | " " " " Crank with 200098E .....                                               |
| 204212  | 12307 | Feed Regulating Handle Shaft Crank Link .....                                  |
| 200271E | 12311 | Feed Regulating Handle Shaft Crank Link Hinge Screw (lower)                    |
| 200291E | 12307 | Feed Regulating Handle Shaft Crank Link Hinge Screw (upper)                    |
| 200098E | 12307 | Feed Regulating Handle Shaft Crank Set Screw .....                             |
| 204213  | 12307 | Feed Regulating Handle Shaft Sleeve (split) .....                              |
| 200362c | 12311 | Feed Regulating Handle Shaft Sleeve Set Screw .....                            |
| 202622  | 12306 | Feed Regulating Handle Shaft Sleeve Washer .....                               |
| 202036  | 12332 | Feed Regulating Handle Stop Pin                                                |
| 204214  | ---   | Feed Regulating Handle complete, Nos. 200291E, 204207, 204211 and 204212 ..... |
| *203239 | ---   | Hook (sewing) .....                                                            |
| 203240  | 12312 | " 203239 with 201253E, 201376E and 203251 .....                                |
| 203290  | 12312 | Hook and Robbin Case complete, Nos. 203217 and 203240 .....                    |
| 203241  | 11007 | Hook Bevel Gear Socket, 24 teeth...                                            |
| 200555n | 11007 | " " " " Screw ....                                                             |

| No.     | Plate | Name                                                                      |
|---------|-------|---------------------------------------------------------------------------|
| 203242  | 11007 | Hook Bevel Pinion, 24 teeth, with two 200383c (2) .....                   |
| 200383c | 12311 | Hook Bevel Pinion Set Screw ....                                          |
| 203306  | 12333 | " Counter Shaft .....                                                     |
| 203244  | 11007 | " " " Collar with two 200393c .....                                       |
| 200393c | 11007 | Hook Counter Shaft Collar Set Screw .....                                 |
| 203245  | 11007 | Hook Counter Shaft Driving Gear, 44 teeth, with 200362c and 200439c ..... |
| 213154  | 12305 | Hook Counter Shaft Driving Gear 203245 with 200045E and 203235 .....      |
| 200439c | 12311 | Hook Counter Shaft Driving Gear Position Screw .....                      |
| 200362c | 12311 | Hook Counter Shaft Driving Gear Set Screw .....                           |
| 203246  | 11007 | Hook Counter Shaft Gear, 22 teeth, with two 200383c .....                 |
| 200383c | 12311 | Hook Counter Shaft Gear Set Screw .....                                   |
| 202299  | —     | Hook Counter Shaft Oil Packing (wick) .....                               |
| 200840E | 11007 | Hook Counter Shaft Oil Packing (wick) Stop Screw .....                    |
| 213624  | 12333 | Hook Driving Shaft .....                                                  |
| 203248  | 12334 | " " " Bearing with 202299 .....                                           |
| 202299  | —     | Hook Driving Shaft Bearing Oil Packing (wick) .....                       |
| 202126  | 12308 | Hook Driving Shaft Bearing Position Pin .....                             |
| 200516E | 12311 | Hook Driving Shaft Bearing Screw .....                                    |
| 203249  | 11007 | " " " Bushing (eccentric) .....                                           |
| 202299  | —     | Hook Driving Shaft Bushing Oil Packing (wick) .....                       |
| 200362c | 12311 | Hook Driving Shaft Bushing Set Screw .....                                |
| 213141  | 11801 | Hook Driving Shaft Collar with two 200393c .....                          |
| 200393c | 11007 | Hook Driving Shaft Collar Set Screw .....                                 |
| 203251  | 12312 | Hook Gib .....                                                            |
| 201376F | 13136 | " " Hinge Screw .....                                                     |
| 201253F | 13136 | " " Screw .....                                                           |
| 203307  | 12335 | " Saddle (left or right) with 202299 .....                                |
| 202299  | —     | Hook Saddle Oil Packing (wick) .....                                      |
| 200006E | 11007 | " " Screw (4) .....                                                       |
| 225585  | 11007 | " " " Washer (4) .....                                                    |

| No.     | Plate | Name                                                                                                                                                   |
|---------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| 203254  | 12312 | Hook Washer .....                                                                                                                                      |
| 203308  | 12335 | Hook Saddle complete, Nos. 200555n, 203241, 203254, 203290 and 203307 .....                                                                            |
| 203462  | —     | Hook Saddle Combination (left and right) complete, Nos. two 203398 .....                                                                               |
| 208490  | —     | Knee Lifter Connection Lever ....                                                                                                                      |
| 227312  | —     | " " " " 208490 with 227303, 227308 and two 200262n .....                                                                                               |
| 200262n | 12806 | Knee Lifter Connection Lever Hinge Screw .....                                                                                                         |
| 227308  | 11125 | Knee Lifter Connection Lever Lifting Rod with 202302 .....                                                                                             |
| 202302  | 12306 | Knee Lifter Connection Lever Lifting Rod Cotter Pin .....                                                                                              |
| 227303  | 11125 | Knee Lifter Lifting Lever .....                                                                                                                        |
| 200262n | 12306 | " " " " Hinge Screw .....                                                                                                                              |
| 204475  | 10483 | Lifting Lever with 200122n .....                                                                                                                       |
| 208389  | —     | " " 204475 with 200935E, 201534E, 204478 and 206659 .....                                                                                              |
| 213004  | 11018 | Lifting Lever Driving Crank .....                                                                                                                      |
| 204478  | 10483 | " " " " Link ...                                                                                                                                       |
| 200122n | 10483 | " " " " " Stop Screw .....                                                                                                                             |
| 200400c | 11018 | Lifting Lever Driving Crank Position Screw .....                                                                                                       |
| 200387c | 12376 | Lifting Lever Driving Crank Position Screw Set Screw .....                                                                                             |
| 204479  | 11801 | Lifting Lever Driving Crank Position Screw Set Screw Packing (brass) .....                                                                             |
| 200181b | 10483 | Lifting Lever Stop Screw .....                                                                                                                         |
| 204480  | 10483 | " " Stud Lifting Bracket with 200086c and 200181b .....                                                                                                |
| 208390  | —     | Lifting Lever Stud Lifting Bracket 204480 with 208389 .....                                                                                            |
| 200086c | 12308 | Lifting Lever Stud Lifting Bracket Pinch Screw .....                                                                                                   |
| 229641  | 14004 | Lifting Presser Foot, 46 needle hole, in gauges $\frac{1}{4}$ and $\frac{3}{8}$ in., for 206671 .....                                                  |
| 229642  | 14004 | Lifting Presser Foot, 46 needle hole, in gauges $\frac{3}{8}$ and $\frac{1}{2}$ in., for 206661 .....                                                  |
| 229650  | 14067 | Lifting Presser Foot, 46 needle hole, in gauges $\frac{1}{2}$ , $\frac{3}{4}$ , $\frac{1}{2}$ , $\frac{1}{4}$ and $\frac{3}{16}$ in., for 229651 ..... |



| No.     | Plate | Name                                                                                                                                       |
|---------|-------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 229652  | 14067 | Lifting Presser Foot, 46 needle hole, in gauges from $\frac{1}{16}$ to $\frac{1}{2}$ in., in steps of $\frac{1}{16}$ in., for 229653 ..... |
| 229654  | 14004 | Lifting Presser Foot, 46 needle hole, in gauges $\frac{1}{16}$ , $\frac{1}{8}$ , $\frac{3}{16}$ and $\frac{1}{2}$ in., for 229655 .....    |
| 200074F | 12308 | Lifting Presser Foot Screw .....                                                                                                           |
| 231390  | 11802 | Needle Bar (hollow) .....                                                                                                                  |
| 204418  | ----- | " " Connecting Link .....                                                                                                                  |
| 204249  | 12308 | " " " Stud with 200072c and 202277 .....                                                                                                   |
| 202277  | ----- | Needle Bar Connecting Stud Oil Packing (wick) .....                                                                                        |
| 200072c | 12308 | Needle Bar Connecting Stud Pinch Screw .....                                                                                               |
| 204326  | ----- | Needle Bar Packing Cord (2) .....                                                                                                          |
| 200504E | 12386 | " " Screw Bushing (lower) .....                                                                                                            |
| 200503B | 12386 | " " " " (upper) .....                                                                                                                      |
| 231383  | 13140 | " Holder, in gauges from $\frac{1}{16}$ to $\frac{1}{2}$ in., in steps of $\frac{1}{16}$ in., with 201030F and two 200141F .....           |
| 231385  | 13140 | Needle Holder, in gauges from $\frac{1}{16}$ to $\frac{1}{2}$ in., in steps of $\frac{1}{16}$ in., with 201030F and two 200141F .....      |
| 201030F | 13136 | Needle Holder Screw .....                                                                                                                  |
| 200141F | 12332 | " Set Screw .....                                                                                                                          |
| 204251  | 12334 | Presser Bar (hollow) with 200074F .....                                                                                                    |
| 204252  | 12308 | " " Lifter .....                                                                                                                           |
| 200550c | 12311 | " " " Hinge Screw .....                                                                                                                    |
| 204481  | 13135 | " " Lifting Bracket Position Guide .....                                                                                                   |
| 200362c | 12311 | Presser Bar Lifting Bracket Position Guide Set Screw .....                                                                                 |
| 204327  | 12306 | Presser Bar Packing Washer (felt) .....                                                                                                    |
| 200504E | 12386 | " " Screw Bushing (lower) .....                                                                                                            |
| 204482  | 11142 | " " Spring .....                                                                                                                           |
| 200491B | 12305 | " " Thumb Screw (pressure regulating) .....                                                                                                |
| 201506B | 11018 | Presser Bar Thumb Screw Check Nut .....                                                                                                    |
| 213925  | 13329 | Take-up Cam with 200347c, 200383c, 200387c, 200400c, 200430c and 204479 .....                                                              |
| 203172  | 12307 | Take-up Cam Friction Washer .....                                                                                                          |
| 200430c | 12311 | " " Position Screw .....                                                                                                                   |
| 200383c | 12311 | " " " Check Screw .....                                                                                                                    |

| No.     | Plate | Name                                                                                               |
|---------|-------|----------------------------------------------------------------------------------------------------|
| 200347c | 12376 | Take-up Cam Set Screw .....                                                                        |
| 213005  | 11018 | Take-up Cam complete, Nos. 204418, 213004 and 213925 .....                                         |
| 204553  | 12386 | Take-up Lever .....                                                                                |
| 206601  | ----- | " " 204553 with 204263 .....                                                                       |
| 204263  | 12386 | " " Bearing with 204264 .....                                                                      |
| 204264  | 12306 | " " " Position Pin .....                                                                           |
| 200042F | 12311 | " " " Screw .....                                                                                  |
| 201816  | 12307 | " " Roller .....                                                                                   |
| 204554  | 12386 | Take-up Lever complete, Nos. 200042F, 201816 and 206601 .....                                      |
| 202402  | 12309 | Tension Disc .....                                                                                 |
| 202090  | 12309 | " " Position Pin .....                                                                             |
| 203766  | 11803 | " Release Lever .....                                                                              |
| 200309E | 10483 | " " " Screw .....                                                                                  |
| 202075  | 12309 | " " Plunger .....                                                                                  |
| 206530  | 13136 | " " Slide .....                                                                                    |
| 206608  | 13136 | " " Spring .....                                                                                   |
| 202407  | 10881 | " Spring .....                                                                                     |
| 200632B | 12309 | " Stud .....                                                                                       |
| 200397B | 12309 | " " Set Screw .....                                                                                |
| 201572B | 10881 | " Thumb Nut .....                                                                                  |
| 204271  | 12309 | " Washer .....                                                                                     |
| 204272  | 12309 | Tension complete, Nos. 200632B, 201572B, 202075, 202407, 204271 and two 202402 .....               |
| 204274  | 12309 | Thread Controller Plate .....                                                                      |
| 200577B | 12311 | " " " Screw .....                                                                                  |
| 202098  | 12309 | " " Roller .....                                                                                   |
| 204275  | 12309 | " " " Guard .....                                                                                  |
| 202084  | 12309 | " " " Washer .....                                                                                 |
| 200300c | 12309 | " " " Screw .....                                                                                  |
| 204276  | 12309 | " " Spring .....                                                                                   |
| 204333  | 12309 | " " " Guard .....                                                                                  |
| 200581B | 12309 | " " " Screw .....                                                                                  |
| 202087  | 13136 | " " " Stop .....                                                                                   |
| 202088  | 10483 | " " " Stud with 204925 .....                                                                       |
| 200366B | 12309 | Thread Controller Spring Stud Set Screw .....                                                      |
| 204925  | 12306 | Thread Controller Spring Stud Washer .....                                                         |
| 205987  | 12309 | Thread Controller complete, Nos. 200300c, 200581B, 202084, 202098, 204274, 204275 and 204333 ..... |
| 204280  | 12309 | Thread Controller and Spring complete, Nos. 204276 and 205987 .....                                |
| 204556  | 12386 | Thread Guide .....                                                                                 |

| No.     | Plate | Name                                                                                                                                                |
|---------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| 203313  | 12386 | Thread Guide .....                                                                                                                                  |
| 204281  | 12309 | " Retainer Guide Wire .....                                                                                                                         |
| 202091  | 12309 | " " Sleeve .....                                                                                                                                    |
| 202092  | 12309 | " " Spring .....                                                                                                                                    |
| 204058  | 12309 | " " Stud .....                                                                                                                                      |
| 200368H | 12309 | " " Set Screw .....                                                                                                                                 |
| 204059  | 12309 | Thread Retainer complete, Nos.<br>202091, 202092 and 204058 .....                                                                                   |
| 211859  | 13148 | Throat Plate, 46 needle hole, for<br>needle sizes 16 and 18, in $\frac{1}{8}$ in.<br>gauge, for 211652 .....                                        |
| 211050  | 11813 | Throat Plate, 46 needle hole, for<br>needle sizes 16 and 18, in gauges<br>$\frac{5}{16}$ and $\frac{3}{8}$ in., for 212571 .....                    |
| 211054  | 11813 | Throat Plate, 46 needle hole, for<br>needle sizes 16 and 18, in gauges<br>$\frac{5}{16}$ and $\frac{1}{4}$ in., for 236411 .....                    |
| 211058  | 11813 | Throat Plate, 46 needle hole, for<br>needle sizes 16 and 18, in gauges<br>$\frac{5}{16}$ and $\frac{1}{8}$ in., for 236419 .....                    |
| 211061  | 11814 | Throat Plate, 46 needle hole, for<br>needle sizes 16 and 18, in gauges<br>$\frac{11}{16}$ and $\frac{3}{4}$ in., for 236423 .....                   |
| 211064  | 11814 | Throat Plate, 46 needle hole, for<br>needle sizes 16 and 18, in gauges<br>$\frac{11}{16}$ and $\frac{7}{8}$ in., for 212474 .....                   |
| 211067  | 11814 | Throat Plate, 46 needle hole, for<br>needle sizes 16 and 18, in gauges<br>$\frac{11}{16}$ and $\frac{1}{2}$ in., for 212169 .....                   |
| 211672  | 12092 | Throat Plate, 46 needle hole, for<br>needle sizes 16 and 18, in gauges<br>$\frac{11}{16}$ , $\frac{3}{4}$ and $\frac{15}{16}$ in., for 211674 ..... |
| 211677  | 12093 | Throat Plate, 46 needle hole, for<br>needle sizes 16 and 18, in gauges<br>$\frac{5}{8}$ , $\frac{11}{16}$ and $\frac{1}{2}$ in., for 211679 .....   |
| 211682  | 12093 | Throat Plate, 46 needle hole, for<br>needle sizes 16 and 18, in gauges<br>$\frac{5}{8}$ and $\frac{1}{2}$ in., for 211685 .....                     |
| 200161D | 12319 | Throat Plate Clamp Screw .....                                                                                                                      |
| 202062  | 12308 | " " Position Pin .....                                                                                                                              |
| 200577H | 12311 | " " Screw .....                                                                                                                                     |
| 206660  | —     | Vibrating Presser Bar .....                                                                                                                         |
| 206659  | 12376 | " " " 206660 with<br>204493 and two 200138D .....                                                                                                   |
| 200935F | 11803 | Vibrating Presser Bar Hinge Screw .....                                                                                                             |
| 201534E | 11868 | " " " " " "                                                                                                                                         |
|         |       | Nut .....                                                                                                                                           |
| 229838  | 12376 | Vibrating Presser Bar Position Stop .....                                                                                                           |
| 200053C | 12311 | " " " " " "                                                                                                                                         |
|         |       | Screw .....                                                                                                                                         |

| No.     | Plate | Name                                                                                                                    |
|---------|-------|-------------------------------------------------------------------------------------------------------------------------|
| 204493  | 12376 | Vibrating Presser Bar Spring .....                                                                                      |
| 200138D | 11803 | " " " " Screw .....                                                                                                     |
| 206671  | 11839 | " " Foot, for 229641 ..                                                                                                 |
| 206661  | 11839 | " " " " 229642 ..                                                                                                       |
| 229651  | 14067 | " " " " 229650 ..                                                                                                       |
| 229653  | 14067 | " " " in gauges from<br>$\frac{1}{8}$ to $\frac{3}{4}$ in., in steps of $\frac{1}{16}$ in., for<br>229652 .....         |
| 229655  | 14004 | Vibrating Presser Foot, in gauges<br>$\frac{1}{8}$ , $\frac{1}{4}$ , $\frac{3}{8}$ and $\frac{1}{2}$ in., for 229654 .. |
| 200098F | 12307 | Vibrating Presser Foot Screw .....                                                                                      |
| 203257  | 11803 | " " " " Washer .....                                                                                                    |

# LIST OF PARTS COMPLETE FOR MACHINE No. 22w133

## DROP FEED

For Ornamenting Shirt Waists, Skirts, Cloaks, Etc.

With the Briar Stitch

In gauges  $\frac{1}{4}$  and  $\frac{3}{8}$  inch

| No.     | Plate | Name                                                                                                                        |
|---------|-------|-----------------------------------------------------------------------------------------------------------------------------|
| *213060 | —     | Arm with 200439c, 202036 and 204705 .....                                                                                   |
| 213062  | 11804 | Arm Bracket with 200113F .....                                                                                              |
| 200224H | 12306 | " " Screw .....                                                                                                             |
| 213078  | 11804 | " " Shaft .....                                                                                                             |
| 213079  | 11041 | " " " Bevel Gear with two 200387c .....                                                                                     |
| 200387c | 12376 | Arm Bracket Shaft Bevel Gear Set Screw .....                                                                                |
| 213085  | 11805 | Arm Bracket Shaft Gear (4 stitch) with two 200387c .....                                                                    |
| 200387c | 12376 | Arm Bracket Shaft Gear Set Screw .....                                                                                      |
| 204163  | 12305 | " Cap .....                                                                                                                 |
| 200278H | 12311 | " " Screw .....                                                                                                             |
| 202248  | 12307 | " " " Washer .....                                                                                                          |
| 200963E | 12311 | " Screw (3) .....                                                                                                           |
| 202005  | 12308 | " " Washer (3) .....                                                                                                        |
| 213622  | 12333 | " Shaft .....                                                                                                               |
| 204705  | 12334 | " " Bushing (front) .....                                                                                                   |
| 200439c | 12311 | " " " Position Screw ..                                                                                                     |
| 204440  | 12333 | " " Connection with four 200054E (2) .....                                                                                  |
| 200054E | 12307 | Arm Shaft Connection Screw .....                                                                                            |
| 202299  | —     | " " Oil Packing (wick) (2)                                                                                                  |
| 213061  | 11804 | Balance Wheel, $5\frac{1}{2}$ in. diam. (bolt groove $2\frac{3}{4}$ in. diam.), with 200328c, 200335c and two 200079H ..... |
| 200062H | 12311 | Balance Wheel Adjusting Screw ..                                                                                            |
| 200328c | 12311 | " " Position Screw ....                                                                                                     |
| 200335c | 12311 | " " Set Screw .....                                                                                                         |
| *213052 | —     | Bed with 202062, 203248, 203249, two each 200362c, 200516E, 200849c and 202299 .....                                        |

| No.     | Plate | Name                                                           |
|---------|-------|----------------------------------------------------------------|
| 202258  | 12345 | Bed Hinge Connection (2) .....                                 |
| 200570E | 12311 | " " " Screw (2) ....                                           |
| 203329  | 11802 | " Slide (back) .....                                           |
| 203301  | 12334 | " " (front) .....                                              |
| 203208  | 12312 | Bobbin (2) .....                                               |
| 203210  | 12312 | " Case Base with 202056, 203211 to 203213 and 203216 .....     |
| 203211  | 12312 | Bobbin Case Base Latch .....                                   |
| *202056 | —     | " " " " Pin .....                                              |
| 203212  | 12312 | " " " " Plunger ..                                             |
| 203213  | 12312 | " " " " Spring ..                                              |
| 203209  | 12312 | " " Cap with 200984c, 203214, 203215 and two 200594c ..        |
| 203214  | 12312 | Bobbin Case Tension Spring .....                               |
| 200984c | 12312 | " " " " Regulat- ing Screw .....                               |
| 200594c | 12312 | Bobbin Case Tension Spring Screw .....                         |
| 203215  | 12312 | " " Thread Guide .....                                         |
| 200594c | 12312 | " " " " Screw ..                                               |
| 203216  | —     | " " Washer (cloth) .....                                       |
| 203217  | 12312 | Bobbin Case complete, Nos. 203209 and 203210 .....             |
| 213088  | 11041 | Cord Carrier .....                                             |
| 213089  | 11042 | " " Lever with two 200110b ..                                  |
| 213669  | 11042 | " " " 213089 with 213090 ..                                    |
| 213087  | 11042 | " " " Cam with two 200387c .....                               |
| 200387c | 12376 | Cord Carrier Lever Cam Set Screw ..                            |
| 221435  | —     | " " " Joint .....                                              |
| 213090  | 11041 | " " " " 221435 with 200682c and 213091 .....                   |
| 200682c | 11041 | Cord Carrier Lever Joint Hinge Screw .....                     |
| 213091  | 11041 | Cord Carrier Lever Joint Swivel with 200086b and 200122b ..... |
| 200086b | 12308 | Cord Carrier Lever Joint Swivel Pinch Screw .....              |
| 200122b | 10483 | Cord Carrier Lever Joint Swivel Screw .....                    |
| 213065  | 11042 | Cord Carrier Lever Rocker .....                                |
| 213066  | 11042 | " " " " 213095 with 200220E, 201806 and two 201525E .....      |
| 201834  | 11041 | Cord Carrier Lever Rocker Ball Roller .....                    |
| 201816  | 12307 | Cord Carrier Lever Rocker Roller ..                            |
| 201806  | 11041 | " " " " " " 201816 with 200823c .....                          |
| 200823c | —     | Cord Carrier Lever Rocker Roller Screw Stud .....              |

| No.     | Plate | Name                                                                                |
|---------|-------|-------------------------------------------------------------------------------------|
| 201525E | 12386 | Cord Carrier Lever Rocker Roller and Stud Nut .....                                 |
| 200220E | 11041 | Cord Carrier Lever Rocker Screw Stud .....                                          |
| 201525E | 12386 | Cord Carrier Lever Rocker Screw Stud Nut .....                                      |
| 200110D | 11803 | Cord Carrier Screw .....                                                            |
| 213086  | 11805 | Driving Gear (4 stitch) .....                                                       |
| 200079H | 12311 | " " Screw .....                                                                     |
| 213080  | 11042 | Embroidery Thread Draw Base Plate with 200632B, 202090, 202979 and two 202571 ..... |
| 200096D | 11868 | Embroidery Thread Draw Base Plate Screw .....                                       |
| 213067  | 11868 | Embroidery Thread Draw Lever with 200120C .....                                     |
| 213068  | 11868 | Embroidery Thread Draw Lever Spring .....                                           |
| 213063  | 11041 | Embroidery Thread Draw Lever Spring Bracket .....                                   |
| 213064  | 11043 | Embroidery Thread Draw Lever Spring Bracket Check Lever ...                         |
| 200918D | 11041 | Embroidery Thread Draw Lever Spring Bracket Check Lever Hinge Screw .....           |
| 214361  | 11803 | Embroidery Thread Draw Lever Spring Bracket Check Lever Spring .....                |
| 213057  | 11041 | Embroidery Thread Draw Lever Spring Bracket Check Lever Stop .....                  |
| 200136D | 11041 | Embroidery Thread Draw Lever Spring Bracket Check Lever Stop Screw .....            |
| 200136D | 11041 | Embroidery Thread Draw Lever Spring Screw .....                                     |
| 200120C | 11041 | Embroidery Thread Draw Lever Spring Stop Screw .....                                |
| 213069  | 11043 | Embroidery Thread Draw Operating Lever .....                                        |
| 200585H | 11868 | Embroidery Thread Draw Operating Lever Adjusting Screw .....                        |
| 200288H | 11041 | Embroidery Thread Draw Operating Lever Screw Stud .....                             |
| 201537H | 12319 | Embroidery Thread Draw Operating Lever Screw Stud Nut .....                         |
| 202402  | 12309 | Embroidery Thread Draw Tension Disc .....                                           |
| 202090  | 12309 | Embroidery Thread Draw Tension Disc Position Pin .....                              |

| No.     | Plate | Name                                                                                                                                                                                                       |
|---------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 213671  | 11041 | Embroidery Thread Draw Tension Spring .....                                                                                                                                                                |
| 200632B | 12309 | Embroidery Thread Draw Tension Stud .....                                                                                                                                                                  |
| 201572B | 10881 | Embroidery Thread Draw Tension Thumb Nut .....                                                                                                                                                             |
| 204271  | 12309 | Embroidery Thread Draw Tension Washer .....                                                                                                                                                                |
| 202571  | 11029 | Embroidery Thread Draw Thread Leader .....                                                                                                                                                                 |
| 202979  | 11803 | Embroidery Thread Draw Thread Leader .....                                                                                                                                                                 |
| 213081  | -     | Embroidery Thread Draw Attachment complete, Nos. 200288H, 200585H, 200918D, 201537H, 201572B, 204271, 213057, 213063, 213064, 213067 to 213069, 213080, 213671, 214361, two 202402 and three 200136D ..... |
| 213058  | 11804 | Face Plate with 200366H, 204730, two each 200368H, 202090, 204281 and three 200397H .....                                                                                                                  |
| 200053C | 12311 | Face Plate Screw .....                                                                                                                                                                                     |
| 204730  | 12386 | " " Thread Guide .....                                                                                                                                                                                     |
| 200397H | 12309 | " " " " Set Screw .....                                                                                                                                                                                    |
| 213059  | 11804 | Face Plate complete, Nos. 200135E, 200319C, 200577H, 204277 to 204280, 204555, 213058, two each 200096D, 200309E, 204059 and 204272 .....                                                                  |
| 213674  | -     | Face Plate complete, Nos. 213059 and 213081 .....                                                                                                                                                          |
| 203303  | 12334 | Feed Bar with 204189 .....                                                                                                                                                                                 |
| 203309  | -     | " " 203303 with 200214E, 201525E and 204200 .....                                                                                                                                                          |
| 200214E | 12386 | Feed Bar Hinge Screw .....                                                                                                                                                                                 |
| 201525E | 12386 | " " " " Nut .....                                                                                                                                                                                          |
| 214124  | 11142 | " " Spring .....                                                                                                                                                                                           |
| 204189  | 12306 | " " Hook .....                                                                                                                                                                                             |
| 213894  | 13143 | " Dog. for 213893 .....                                                                                                                                                                                    |
| 212836  | 13142 | " " " 211771 .....                                                                                                                                                                                         |
| 200106E | 12311 | " " Screw (2) .....                                                                                                                                                                                        |
| 200075E | 11801 | " " Support Screw .....                                                                                                                                                                                    |
| 201535E | 11801 | " " " " Nut .....                                                                                                                                                                                          |
| 203233  | 12305 | " Driving Cam with 200382C and 200437C .....                                                                                                                                                               |
| 204192  | -     | Feed Driving Cam Fork Lever with 204195 and 204293 .....                                                                                                                                                   |
| 204193  | 12334 | Feed Driving Cam Fork Lever Connection with 200668C and 201525E .....                                                                                                                                      |

| No.     | Plate | Name                                                                           |
|---------|-------|--------------------------------------------------------------------------------|
| 204194  | 12306 | Feed Driving Cam Fork Lever Connection Clamp with 200031F .....                |
| 200031F | 12311 | Feed Driving Cam Fork Lever Connection Clamp Pinch Screw .....                 |
| 200668c | 12386 | Feed Driving Cam Fork Lever Connection Clamp Screw Stud .....                  |
| 201525E | 12386 | Feed Driving Cam Fork Lever Connection Clamp Screw Stud Nut .....              |
| 200002E | 12332 | Feed Driving Cam Fork Lever Connection Hinge Screw .....                       |
| 201522E | 12332 | Feed Driving Cam Fork Lever Connection Hinge Screw Nut .....                   |
| *204195 | —     | Feed Driving Cam Fork Lever Shaft .....                                        |
| 204197  | 12306 | Feed Driving Cam Fork Lever Shaft Collar with 200113F .....                    |
| 200113F | 12308 | Feed Driving Cam Fork Lever Shaft Collar Set Screw .....                       |
| 204293  | 12308 | Feed Driving Cam Fork Lever Shaft Position Pin .....                           |
| 204196  | 12307 | Feed Driving Cam Fork Lever Shaft Sleeve (split) .....                         |
| 200043c | 12311 | Feed Driving Cam Fork Lever Shaft Sleeve Set Screw .....                       |
| 201524E | 12332 | Feed Driving Cam Fork Lever Shaft Sleeve Set Screw Nut .....                   |
| 204198  | 12334 | Feed Driving Cam Fork Lever complete, Nos. 204192 and 204194 .....             |
| 200437c | 12311 | Feed Driving Cam Position Screw .....                                          |
| 200382c | 11142 | " " " Set Screw .....                                                          |
| 204294  | 12333 | " " Rock Shaft .....                                                           |
| 206555  | —     | " " " 204294 with 200002E, 201522E and 204193 .....                            |
| 202305  | 12307 | Feed Driving Rock Shaft Center (2) .....                                       |
| 200043c | 12311 | " " " " " Set Screw (2) .....                                                  |
| 204200  | 12305 | Feed Driving Rock Shaft Crank with 204189 (on left side) and two 200383c ..... |
| 200383c | 12311 | Feed Driving Rock Shaft Crank Set Screw .....                                  |
| 203235  | 12308 | Feed Lifting Cam with 202126 .....                                             |
| 204202  | 12308 | " " " Fork with 200027E .....                                                  |
| 200027E | 12332 | " " " Pinch Screw .....                                                        |
| 202126  | 12308 | " " " Position Pin .....                                                       |
| 200045E | 12332 | " " " Screw .....                                                              |
| 203305  | 12334 | " " Rock Shaft .....                                                           |
| 203315  | 12334 | " " " 203305 with 203238 .....                                                 |

| No.     | Plate | Name                                                                                  |
|---------|-------|---------------------------------------------------------------------------------------|
| 202305  | 12307 | Feed Lifting Rock Shaft Center (2) .....                                              |
| 200043c | 12311 | " " " " " Set Screw (2) .....                                                         |
| 202276  | 12308 | Feed Lifting Rock Shaft Slide Block .....                                             |
| 203238  | 12308 | " " " " " " .....                                                                     |
| 200243E | 12332 | 202276 with 200243E and 201531E Feed Lifting Rock Shaft Slide Block Hinge Screw ..... |
| 201531E | 12308 | Feed Lifting Rock Shaft Slide Block Hinge Screw Nut .....                             |
| 204206  | 12306 | Feed Regulating Handle .....                                                          |
| 204207  | 12334 | " " " 204206 with 200098F, 202622, 204208 to 204210, 204213 and 204925 .....          |
| 204208  | 12307 | Feed Regulating Handle Adjustable Stop .....                                          |
| 200098F | 12307 | Feed Regulating Handle Adjustable Stop Screw .....                                    |
| 204925  | 12306 | Feed Regulating Handle Adjustable Stop Screw Washer .....                             |
| 204209  | 12307 | Feed Regulating Handle Position Pin .....                                             |
| 204210  | 12306 | Feed Regulating Handle Shaft .....                                                    |
| 204211  | 12306 | " " " " Crank with 200098F .....                                                      |
| 204212  | 12307 | Feed Regulating Handle Shaft Crank Link .....                                         |
| 200271E | 12311 | Feed Regulating Handle Shaft Crank Link Hinge Screw (lower) .....                     |
| 200291E | 12307 | Feed Regulating Handle Shaft Crank Link Hinge Screw (upper) .....                     |
| 200098F | 12307 | Feed Regulating Handle Shaft Crank Set Screw .....                                    |
| 204213  | 12307 | Feed Regulating Handle Shaft Sleeve (split) .....                                     |
| 200362c | 12311 | Feed Regulating Handle Shaft Sleeve Set Screw .....                                   |
| 202622  | 12306 | Feed Regulating Handle Shaft Sleeve Washer .....                                      |
| 202036  | 12332 | Feed Regulating Handle Stop Pin .....                                                 |
| 204214  | —     | Feed Regulating Handle complete, Nos. 200291E, 204207, 204211 and 204212 .....        |
| 203239  | —     | Hook (sewing) .....                                                                   |
| 203240  | 12312 | " 203239 with 201253F, 201376F and 203251 .....                                       |
| 203290  | 12312 | Hook and Bobbin Case complete, Nos. 203217 and 203240 .....                           |

| No.     | Plate | Name                                                                   |
|---------|-------|------------------------------------------------------------------------|
| 203241  | 11007 | Hook Bevel Gear Socket, 24 teeth                                       |
| 200555H | 11007 | " " " " Screw ....                                                     |
| 203242  | 11007 | " " Pinion, 24 teeth, with<br>two 200383c (2) .....                    |
| 200383c | 12311 | Hook Bevel Pinion Set Screw ....                                       |
| 203306  | 12333 | " Counter Shaft .....                                                  |
| 203244  | 11007 | " " " Collar with two<br>200393c .....                                 |
| 200393c | 11007 | Hook Counter Shaft Collar Set<br>Screw .....                           |
| 203245  | 11007 | Hook Counter Shaft Driving Gear,<br>44 teeth, with 200362c and 200439c |
| 213154  | 12305 | Hook Counter Shaft Driving Gear<br>203245 with 200045c and 203235...   |
| 200439c | 12311 | Hook Counter Shaft Driving Gear<br>Position Screw .....                |
| 200362c | 12311 | Hook Counter Shaft Driving Gear<br>Set Screw .....                     |
| 203246  | 11007 | Hook Counter Shaft Gear, 22 teeth,<br>with two 200383c .....           |
| 200383c | 12311 | Hook Counter Shaft Gear Set Screw                                      |
| 202299  | —     | " " " Oil Packing<br>(wick) .....                                      |
| 200840E | 11007 | Hook Counter Shaft Oil Packing<br>(wick) Stop Screw .....              |
| 213624  | 12333 | Hook Driving Shaft .....                                               |
| 203248  | 12234 | " " " Bearing with<br>202299 .....                                     |
| 202299  | —     | Hook Driving Shaft Bearing Oil<br>Packing (wick) .....                 |
| 202126  | 12308 | Hook Driving Shaft Bearing Posi-<br>tion Pin .....                     |
| 200516E | 12311 | Hook Driving Shaft Bearing Screw                                       |
| 203249  | 11007 | " " " Bushing (eccen-<br>tric) .....                                   |
| 202299  | —     | Hook Driving Shaft Bushing Oil<br>Packing (wick) .....                 |
| 200362c | 12311 | Hook Driving Shaft Bushing Set<br>Screw .....                          |
| 213141  | 11801 | Hook Driving Shaft Shaft Collar<br>with two 200393c .....              |
| 200393c | 11007 | Hook Driving Shaft Collar Set<br>Screw .....                           |
| 203251  | 12312 | Hook Gib .....                                                         |
| 201376F | 13136 | " " Hinge Screw .....                                                  |
| 201253F | 13136 | " " Screw .....                                                        |
| 203307  | 12335 | " Saddle (left or right) with<br>202299 .....                          |

| No.     | Plate | Name                                                                                        |
|---------|-------|---------------------------------------------------------------------------------------------|
| 202299  | —     | Hook Saddle Oil Packing (wick) ..                                                           |
| 200006E | 11007 | " " Screw (4) .....                                                                         |
| 225585  | 11007 | " " " Washer (4) .....                                                                      |
| 203254  | 12312 | " Washer .....                                                                              |
| 203308  | 12335 | Hook Saddle complete, Nos.<br>200555H, 203241, 203254, 203290<br>and 203307 .....           |
| 203462  | —     | Hook Saddle Combination (left and<br>right) complete, Nos. two 203308                       |
| 231390  | 11802 | Needle Bar (hollow) .....                                                                   |
| 204248  | 12307 | " " Connecting Link .....                                                                   |
| 200658c | 12307 | " " " " Hinge<br>Screw Stud .....                                                           |
| 201519E | 12307 | Needle Bar Connecting Link Hinge<br>Screw Stud Nut .....                                    |
| 204249  | 12308 | Needle Bar Connecting Stud with<br>200072c and 202277 .....                                 |
| 202277  | —     | Needle Bar Connecting Stud Oil<br>Packing (wick) .....                                      |
| 200072c | 12308 | Needle Bar Connecting Stud Pinch<br>Screw .....                                             |
| 204326  | —     | Needle Bar Packing Cord (2) ....                                                            |
| 200504E | 12386 | " " Screw Bushing (lower)                                                                   |
| 200503B | 12386 | " " " " (upper)                                                                             |
| 231401  | 13140 | " Holder, in gauges $\frac{1}{4}$ and $\frac{3}{8}$ in.,<br>with 201030F and two 200141F .. |
| 201030F | 13136 | Needle Holder Screw .....                                                                   |
| 200141F | 12332 | " Set Screw .....                                                                           |
| 204251  | 12334 | Presser Bar (hollow) with 200074F                                                           |
| 204253  | 12308 | " " Lifting Bracket with<br>200086c .....                                                   |
| 200086c | 12308 | Presser Bar Lifting Bracket Pinch<br>Screw .....                                            |
| 204254  | 12307 | Presser Bar Lifting Bracket Posi-<br>tion Guide .....                                       |
| 200362c | 12311 | Presser Bar Lifting Bracket Posi-<br>tion Guide Set Screw .....                             |
| 204327  | 12306 | Presser Bar Packing Washer (felt)                                                           |
| 200504E | 12386 | " " Screw Bushing (lower)                                                                   |
| 204255  | 13135 | " " Spring .....                                                                            |
| 200491B | 12305 | " " Thumb Screw (pres-<br>sure regulating) .....                                            |
| 213096  | 11043 | Presser Foot, in gauges $\frac{1}{4}$ and $\frac{3}{8}$ inch                                |
| 200074F | 12308 | " " Screw .....                                                                             |
| 213082  | 11042 | " Lifter and Shaft .....                                                                    |
| 213083  | 11043 | " " Bearing .....                                                                           |
| 200113F | 12308 | " " " Screw .....                                                                           |
| 213084  | 11042 | " " Lever with two 200380c                                                                  |
| 200380c | 12319 | " " " Set Screw .....                                                                       |

| No.     | Plate | Name                                                                |
|---------|-------|---------------------------------------------------------------------|
| 213076  | 11042 | Slide Block with 201527E and 201806                                 |
| 213094  | 11805 | " " Cam, $\frac{1}{4}$ in. gauge, with<br>two 200386c .....         |
| 213073  | 13139 | Slide Block Cam, $\frac{1}{2}$ in. gauge, with<br>two 200386c ..... |
| 200386c | 11868 | Slide Block Cam Set Screw .....                                     |
| 213070  | 11805 | " " Lever with two 200110B                                          |
| 204923  | —     | " " " Adjusting Slide<br>Bushings .....                             |
| 200791E | 11803 | Slide Block Lever Adjusting Slide<br>Screw .....                    |
| 201581B | 11803 | Slide Block Lever Adjusting Slide<br>Wing Nut .....                 |
| 213723  | 11044 | Slide Block Lever Connection with<br>213724 and two 200110B .....   |
| 200746c | 11044 | Slide Block Lever Connection Ball<br>Screw Stud .....               |
| *213724 | —     | Slide Block Lever Connection Ball<br>Screw Stud Cap .....           |
| 200110B | 11803 | Slide Block Lever Connection Ball<br>Screw Stud Cap Screw .....     |
| 201531E | 12308 | Slide Block Lever Connection Ball<br>Screw Stud Nut .....           |
| 204924  | 11044 | Slide Block Lever Connection<br>Washer .....                        |
| 200110B | 11803 | Slide Block Lever Connection<br>Washer Screw .....                  |
| 201806  | 11041 | Slide Block Roller and Stud .....                                   |
| 201527E | 11043 | " " " " " Nut ..                                                    |
| 200258D | 11803 | " " " " " Screw .....                                               |
| 213766  | 11043 | " " " " " Washer .....                                              |
| 212920  | —     | Take-up Cam with 200335c and<br>200430c .....                       |
| 203268  | 12334 | Take-up Cam 212920 with 200383c,<br>200658c and 201519E .....       |
| 203172  | 12307 | Take-up Cam Friction Washer ....                                    |
| 200430c | 12311 | " " " " " Position Screw .....                                      |
| 200383c | 12311 | " " " " " Check<br>Screw .....                                      |
| 200335c | 12311 | Take-up Cam Set Screw .....                                         |
| 204553  | 12386 | " " Lever .....                                                     |
| 206601  | —     | " " 204553 with 204263 ..                                           |
| 204263  | 12386 | " " " Bearing with 204264 ..                                        |
| 204264  | 12306 | " " " " Position Pin ..                                             |
| 200042F | 12311 | " " " " " Screw .....                                               |
| 201816  | 12307 | " " " " " Roller .....                                              |
| 204554  | 12386 | Take-up Lever complete, Nos.<br>200042F, 201816 and 206601 .....    |

| No.     | Plate | Name                                                                                                     |
|---------|-------|----------------------------------------------------------------------------------------------------------|
| 202402  | 12309 | Tension Disc .....                                                                                       |
| 202090  | 12309 | " " " Position Pin .....                                                                                 |
| 204555  | 12332 | " " " Release Lever .....                                                                                |
| 200309E | 10483 | " " " " " Screw .....                                                                                    |
| 202075  | 12309 | " " " Plunger .....                                                                                      |
| 208489  | —     | " " " Slide .....                                                                                        |
| 206608  | 13136 | " " " " " Spring .....                                                                                   |
| 202407  | 10881 | " " " Spring .....                                                                                       |
| 200632B | 12309 | " " " Stud .....                                                                                         |
| 200397H | 12309 | " " " Set Screw .....                                                                                    |
| 201572B | 10881 | " " " Thumb Nut .....                                                                                    |
| 204271  | 12309 | " " " Washer .....                                                                                       |
| 204272  | 12309 | Tension complete, Nos. 200632B,<br>201572B, 202075, 202407, 204271<br>and two 202402 .....               |
| 204273  | 12308 | Thread Controller Adjusting Collar<br>with 200684H (for Presser Bar) ..                                  |
| 200684H | 12308 | Thread Controller Adjusting Collar<br>Screw .....                                                        |
| 204274  | 12309 | Thread Controller Plate .....                                                                            |
| 200577H | 12311 | " " " " " Screw ....                                                                                     |
| 202098  | 12309 | " " " " " Roller .....                                                                                   |
| 204275  | 12309 | " " " " " Guard .....                                                                                    |
| 202084  | 12309 | " " " " " Washer .....                                                                                   |
| 200300c | 12309 | " " " " " Screw .....                                                                                    |
| 204276  | 12309 | " " " " " Spring .....                                                                                   |
| 204333  | 12309 | " " " " " Guard .....                                                                                    |
| 200581H | 12309 | " " " " " Screw .....                                                                                    |
| 204277  | 12309 | " " " " " Stop .....                                                                                     |
| 204278  | 12309 | " " " " " Driving<br>Gear .....                                                                          |
| 200319c | 12309 | Thread Controller Spring Stop<br>Driving Gear Hinge Screw .....                                          |
| 200135E | 12309 | Thread Controller Spring Stop<br>Screw .....                                                             |
| 204279  | 12309 | Thread Controller Spring Stud with<br>204925 .....                                                       |
| 200366H | 12309 | Thread Controller Spring Stud Set<br>Screw .....                                                         |
| 204925  | 12306 | Thread Controller Spring Stud<br>Washer .....                                                            |
| 205987  | 12309 | Thread Controller complete, Nos.<br>200300c, 200581H, 202084, 202098,<br>204274, 204275 and 204333 ..... |
| 204280  | 12309 | Thread Controller and Spring com-<br>plete, Nos. 204276 and 205987 ..                                    |
| 203313  | 12386 | Thread Guide .....                                                                                       |
| 204556  | 12386 | " " " " " .....                                                                                          |
| 204281  | 12309 | " " " Retainer Guide Wire .....                                                                          |
| 202091  | 12309 | " " " Sleeve .....                                                                                       |

| No.     | Plate | Name                                                                                                         |
|---------|-------|--------------------------------------------------------------------------------------------------------------|
| 202092  | 12309 | Thread Retainer Spring .....                                                                                 |
| 204058  | 12309 | " " Stud .....                                                                                               |
| 200368H | 12309 | " " Set Screw .....                                                                                          |
| 204059  | 12309 | Thread Retainer complete, Nos.<br>202091, 202092 and 204058 .....                                            |
| 213893  | 13149 | Throat Plate, 50 needle hole, for<br>needle sizes 14 and 15, in $\frac{1}{4}$ in.<br>gauge, for 213894 ..... |
| 211771  | 13149 | Throat Plate, 50 needle hole, for<br>needle sizes 14 and 15, in $\frac{3}{8}$ in.<br>gauge, for 212836 ..... |
| 200161D | 12319 | Throat Plate Clamp Screw .....                                                                               |
| 202062  | 12308 | " " Position Pin .....                                                                                       |
| 200577H | 12311 | " " Screw .....                                                                                              |
| 213074  | 11044 | Upright Shaft .....                                                                                          |
| 213075  | 11044 | " " Bevel Gear with<br>200386c and 200446c .....                                                             |
| 200446c | 11803 | Upright Shaft Bevel Gear Position<br>Screw .....                                                             |
| 200386c | 11868 | Upright Shaft Bevel Gear Set Screw                                                                           |
| 202574  | 11036 | " " Collar with 200380c .....                                                                                |
| 200380c | 12319 | " " " Set Screw .....                                                                                        |

## LIST OF PARTS COMPLETE

FOR

## MACHINE No. 22w207

DROP FEED. ALTERNATING PRESSERS

For Stitching Buff Wheels

In gauges from  $\frac{1}{4}$  to  $\frac{3}{4}$  inch

| No.     | Plate | Name                                                                                       |
|---------|-------|--------------------------------------------------------------------------------------------|
| *222201 | ----- | Arm with 200431c, 202036 and<br>222216 .....                                               |
| 204163  | 12305 | Arm Cap .....                                                                              |
| 200278H | 12311 | " " Screw .....                                                                            |
| 202248  | 12307 | " " " Washer .....                                                                         |
| 201235  | 13135 | " Position Pin (2) .....                                                                   |
| 200010E | 11011 | " Screw (3) .....                                                                          |
| 202005  | 12308 | " " Washer (3) .....                                                                       |
| 231431  | 13137 | " Shaft .....                                                                              |
| 222216  | 13139 | " " Bushing (front) .....                                                                  |
| 200431c | 11808 | " " " Position Screw ..                                                                    |
| 204706  | 13137 | " " Connection with four<br>200054E (2) .....                                              |
| 200054E | 12307 | Arm Shaft Connection Screw .....                                                           |
| 231432  | 13137 | Balance Wheel (belt groove $4\frac{1}{4}$ in.<br>diam.) with 200347c and 200363c           |
| 222205  | 13135 | Balance Wheel Friction Washer ..                                                           |
| 231433  | 13135 | " " Key .....                                                                              |
| 200347c | 12376 | " " Set Screw .....                                                                        |
| 200363c | 12332 | " " " " .....                                                                              |
| *222207 | ----- | Bed with 202062, 203248, 203249, two<br>each 200362c, 200516E, 200840E<br>and 202299 ..... |
| 202258  | 12345 | Bed Hinge Connection (2) .....                                                             |
| 200570E | 12311 | " " " Screw (4) .....                                                                      |
| 203329  | 11802 | " Slide (back) .....                                                                       |
| 203301  | 12334 | " " (front) .....                                                                          |
| 203470  | 11236 | Bobbin (2) .....                                                                           |
| *203670 | ----- | " Case .....                                                                               |
| 203648  | 13136 | " " Latch .....                                                                            |
| *202056 | ----- | " " " Pin .....                                                                            |
| 203473  | 13136 | " " " Plunger .....                                                                        |
| 203474  | 13136 | " " " Spring .....                                                                         |
| 203499  | 11235 | " " Lever .....                                                                            |
| 203476  | ----- | " " " Eccentric .....                                                                      |



| No.     | Plate | Name                                                                                                                    |
|---------|-------|-------------------------------------------------------------------------------------------------------------------------|
| 204243  | 11801 | Bobbin Case Lever Eccentric Position Pin .....                                                                          |
| 203506  | 11235 | Bobbin Case Lever Fulcrum .....                                                                                         |
| 200056E | 10884 | " " " " Screw ..                                                                                                        |
| 203478  | 11235 | " " " " Slide Stud .....                                                                                                |
| 203214  | 12312 | " " " " Tension Spring .....                                                                                            |
| 200984C | 12312 | " " " " Regulat-<br>ing Screw .....                                                                                     |
| 200594C | 12312 | Bobbin Case Tension Spring Screw                                                                                        |
| 203216  | 12312 | " " Washer (cloth) .....                                                                                                |
| 203669  | 11808 | Bobbin Case complete, Nos. 200594C,<br>200984C, 202056, 203214, 203216,<br>203473, 203474, 203648 and 203670            |
| 222320  | —     | Face Plate with 200366H, 202087,<br>204185, 204730, two each 202090,<br>204281, three each 200368H and<br>200397H ..... |
| 200053C | 12311 | Face Plate Screw .....                                                                                                  |
| 204185  | 13136 | " " Thread Guide .....                                                                                                  |
| 200368H | 12309 | " " " " Set Screw                                                                                                       |
| 222321  | 13137 | Face Plate complete, Nos. 200577H,<br>204731, 204795, 222251, 222320, two<br>each 200309E, 204059 and 221223            |
| 213422  | 13139 | Feed Bar with 204189 .....                                                                                              |
| 213370  | —     | " " 213422 with 200214E,<br>201525E and 204200 .....                                                                    |
| 200214E | 12386 | Feed Bar Hinge Screw .....                                                                                              |
| 201525E | 12386 | " " " " Nut .....                                                                                                       |
| 214424  | 11142 | " " Spring .....                                                                                                        |
| 204189  | 12306 | " " " Hook .....                                                                                                        |
| 211754  | 13141 | " Dog, for 222212 .....                                                                                                 |
| 231448  | 13141 | " " " 231449 .....                                                                                                      |
| 200106E | 12311 | " " Screw (2) .....                                                                                                     |
| 200075E | 11801 | " " Support Screw .....                                                                                                 |
| 201535E | 11801 | " " " " Nut .....                                                                                                       |
| 204285  | 11868 | " Driving Cam with 200382C and<br>200437C .....                                                                         |
| 204192  | —     | Feed Driving Cam Fork Lever with<br>204195 and 204293 .....                                                             |
| 204193  | 12334 | Feed Driving Cam Fork Lever Con-<br>nection with 200668C and 201525E                                                    |
| 204194  | 12306 | Feed Driving Cam Fork Lever Con-<br>nection Clamp with 200031F .....                                                    |
| 200031F | 12311 | Feed Driving Cam Fork Lever Con-<br>nection Clamp Pinch Screw .....                                                     |
| 200668C | 12386 | Feed Driving Cam Fork Lever Con-<br>nection Clamp Screw Stud .....                                                      |
| 201525E | 12386 | Feed Driving Cam Fork Lever Con-<br>nection Clamp Screw Stud Nut..                                                      |

| No.     | Plate | Name                                                                                 |
|---------|-------|--------------------------------------------------------------------------------------|
| 200002E | 12332 | Feed Driving Cam Fork Lever Con-<br>nection Hinge Screw .....                        |
| 201522E | 12332 | Feed Driving Cam Fork Lever Con-<br>nection Hinge Screw Nut .....                    |
| *204195 | —     | Feed Driving Cam Fork Lever<br>Shaft .....                                           |
| 204197  | 12306 | Feed Driving Cam Fork Lever<br>Shaft Collar with 200113F .....                       |
| 200113F | 12308 | Feed Driving Cam Fork Lever<br>Shaft Collar Set Screw .....                          |
| 204293  | 12308 | Feed Driving Cam Fork Lever<br>Shaft Position Pin .....                              |
| 204196  | 12307 | Feed Driving Cam Fork Lever<br>Shaft Sleeve (split) .....                            |
| 200043C | 12311 | Feed Driving Cam Fork Lever<br>Shaft Sleeve Set Screw .....                          |
| 201524E | 12332 | Feed Driving Cam Fork Lever<br>Shaft Sleeve Set Screw Nut ....                       |
| 204198  | 12334 | Feed Driving Cam Fork Lever com-<br>plete, Nos. 204192 and 204194 ..                 |
| 200437C | 12311 | Feed Driving Cam Position Screw                                                      |
| 200382C | 11142 | " " " " Set Screw .....                                                              |
| 204294  | 12333 | " " Rock Shaft .....                                                                 |
| 206555  | —     | " " " " 204294 with<br>200002E, 201522E and 204193 ....                              |
| 202305  | 12307 | Feed Driving Rock Shaft Center (2)                                                   |
| 200043C | 12311 | " " " " " " Set<br>Screw (2) .....                                                   |
| 204200  | 12305 | Feed Driving Rock Shaft Crank<br>with 204189 (on left side) and two<br>200383C ..... |
| 200383C | 12311 | Feed Driving Rock Shaft Crank Set<br>Screw .....                                     |
| 203235  | 12308 | Feed Lifting Cam with 202126 ....                                                    |
| 204202  | 12308 | " " " Fork with 200027E                                                              |
| 200027E | 12332 | " " " " Pinch Screw                                                                  |
| 202126  | 12308 | " " " Position Pin ....                                                              |
| 200045E | 12332 | " " " Screw .....                                                                    |
| 203305  | 12334 | " " Rock Shaft .....                                                                 |
| 203315  | 12334 | " " " " 203305 with<br>203238 .....                                                  |
| 202305  | 12307 | Feed Lifting Rock Shaft Center (2)                                                   |
| 200043C | 12311 | " " " " " " Set<br>Screw (2) .....                                                   |
| 202276  | 12308 | Feed Lifting Rock Shaft Slide<br>Block .....                                         |
| 203238  | 12308 | Feed Lifting Rock Shaft Slide<br>Block 202276 with 200243E and<br>201531E .....      |

| No.     | Plate | Name                                                                               |
|---------|-------|------------------------------------------------------------------------------------|
| 200243E | 12332 | Feed Lifting Rock Shaft Slide Block Hinge Screw .....                              |
| 201531E | 12308 | Feed Lifting Rock Shaft Slide Block Hinge Screw Nut .....                          |
| 204206  | 12306 | Feed Regulating Handle .....                                                       |
| 204288  | 11805 | " " " 204206 with 200098F, 202622, 204208, 204209, 204213, 204289 and 204925 ..... |
| 204208  | 12307 | Feed Regulating Handle Adjustable Stop .....                                       |
| 200098F | 12307 | Feed Regulating Handle Adjustable Stop Screw .....                                 |
| 204925  | 12306 | Feed Regulating Handle Adjustable Stop Screw Washer .....                          |
| 204209  | 12307 | Feed Regulating Handle Position Pin .....                                          |
| 204289  | 13135 | Feed Regulating Handle Shaft .....                                                 |
| 204211  | 12306 | " " " " Crank with 200098F .....                                                   |
| 204212  | 12307 | Feed Regulating Handle Shaft Crank Link .....                                      |
| 200271E | 12311 | Feed Regulating Handle Shaft Crank Link Hinge Screw (lower) .....                  |
| 200291E | 12307 | Feed Regulating Handle Shaft Crank Link Hinge Screw (upper) .....                  |
| 200098F | 12307 | Feed Regulating Handle Shaft Crank Set Screw .....                                 |
| 204213  | 12307 | Feed Regulating Handle Shaft Sleeve (split) .....                                  |
| 200362c | 12311 | Feed Regulating Handle Shaft Sleeve Set Screw .....                                |
| 202622  | 12306 | Feed Regulating Handle Shaft Sleeve Washer .....                                   |
| 202036  | 12332 | Feed Regulating Handle Stop Pin .....                                              |
| 204298  | —     | Feed Regulating Handle complete, Nos. 200291E, 204211, 204212 and 204288 .....     |
| 231442  | —     | Hook (sewing) .....                                                                |
| 231443  | 13136 | " 231442 with 201253F, 201376F and 203251 .....                                    |
| 231444  | —     | Hook and Bobbin Case complete, Nos. 203669 and 231443 .....                        |
| 231445  | 13139 | Hook Bevel Gear Socket, 24 teeth .....                                             |
| 201401H | 13136 | " " " " Screw .....                                                                |
| 201537H | 12319 | " " " " Nut .....                                                                  |
| 222319  | 13140 | " " Pinion, 24 teeth, with 200383c and 200441c .....                               |
| 200441c | 13136 | Hook Bevel Pinion Position Screw .....                                             |
| 200383c | 12311 | " " " Set Screw .....                                                              |
| 222209  | 13137 | " Counter Shaft .....                                                              |

| No.     | Plate | Name                                                                      |
|---------|-------|---------------------------------------------------------------------------|
| 203244  | 11007 | Hook Counter Shaft Collar with two 200393c .....                          |
| 200393c | 11007 | Hook Counter Shaft Collar Set Screw .....                                 |
| 203245  | 11007 | Hook Counter Shaft Driving Gear, 44 teeth, with 200362c and 200439c ..... |
| 213154  | 12305 | Hook Counter Shaft Driving Gear 203245 with 200045E and 203235 .....      |
| 200439c | 12311 | Hook Counter Shaft Driving Gear Position Screw .....                      |
| 200362c | 12311 | Hook Counter Shaft Driving Gear Set Screw .....                           |
| 203246  | 11007 | Hook Counter Shaft Gear, 22 teeth, with two 200383c .....                 |
| 200383c | 12311 | Hook Counter Shaft Gear Set Screw .....                                   |
| 202299  | —     | " " " Oil Packing (wick) .....                                            |
| 200840E | 11007 | Hook Counter Shaft Oil Packing (wick) Stop Screw .....                    |
| 213624  | 12333 | Hook Driving Shaft .....                                                  |
| 203248  | 12334 | " " " Bearing with 202299 .....                                           |
| 202299  | —     | Hook Driving Shaft Bearing Oil Packing (wick) .....                       |
| 202126  | 12308 | Hook Driving Shaft Bearing Position Pin .....                             |
| 200516E | 12311 | Hook Driving Shaft Bearing Screw .....                                    |
| 203249  | 11007 | " " " Bushing (eccentric) .....                                           |
| 202299  | —     | Hook Driving Shaft Bushing Oil Packing (wick) .....                       |
| 200362c | 12311 | Hook Driving Shaft Bushing Set Screw .....                                |
| 213141  | 11801 | Hook Driving Shaft Collar with two 200393c .....                          |
| 200393c | 11007 | Hook Driving Shaft Collar Set Screw .....                                 |
| 203251  | 12312 | Hook Gib .....                                                            |
| 201376F | 13136 | " " Hinge Screw .....                                                     |
| 201253F | 13136 | " " Screw .....                                                           |
| 203508  | 11236 | " Saddle (left or right) with 200056E .....                               |
| 200006E | 11007 | Hook Saddle Screw (4) .....                                               |
| 202622  | 12306 | " " " Washer (4) .....                                                    |
| 203455  | —     | " Washer .....                                                            |
| 203461  | 11808 | " " 203455 with 203476 and two 204243 .....                               |

| No.     | Plate | Name                                                                                                                                   |
|---------|-------|----------------------------------------------------------------------------------------------------------------------------------------|
| 231446  | 13139 | Hook Saddle complete, Nos. 201401n, 201537n, 203461, 203478, 203499, 203506, 203508, 231444 and 231445 .....                           |
| 231447  | —     | Hook Saddle Combination (left and right) complete, Nos. two 231446                                                                     |
| 207846  | 13139 | Knee Lifter Connection Lever with 202446 .....                                                                                         |
| 207847  | —     | Knee Lifter Connection Lever 207846 with 200224n, 200262n, 207849 and 227310 .....                                                     |
| 200224n | 12306 | Knee Lifter Connection Lever Hinge Screw .....                                                                                         |
| 227310  | 13137 | Knee Lifter Connection Lever Lifting Rod with 202302 .....                                                                             |
| 202302  | 12306 | Knee Lifter Connection Lever Lifting Rod Cotter Pin .....                                                                              |
| 202446  | 12306 | Knee Lifter Connection Lever Pin                                                                                                       |
| 207849  | 13137 | " " Lifting Lever .....                                                                                                                |
| 200262n | 12306 | " " " " Hinge Screw .....                                                                                                              |
| 204786  | 10486 | Lifting Lever with 200122n and 204189 .....                                                                                            |
| 231440  | —     | Lifting Lever 204786 with 200935e, 201534e, 204789 and 231439 .....                                                                    |
| 204788  | 13135 | Lifting Lever Driving Crank .....                                                                                                      |
| 204789  | 10486 | " " " " Link                                                                                                                           |
| 200122n | 10483 | " " " " " Stop Screw .....                                                                                                             |
| 200400c | 11018 | Lifting Lever Driving Crank Position Screw .....                                                                                       |
| 200387c | 12376 | Lifting Lever Driving Crank Position Screw Set Screw .....                                                                             |
| 204479  | 11801 | Lifting Lever Driving Crank Position Screw Set Screw Packing (brass) .....                                                             |
| 200181b | 10483 | Lifting Lever Stop Screw .....                                                                                                         |
| 204790  | 10486 | " " Stud Lifting Bracket with 200086c and 200181b .....                                                                                |
| 231441  | —     | Lifting Lever Stud Lifting Bracket 204790 with 231440 .....                                                                            |
| 200086c | 12308 | Lifting Lever Stud Lifting Bracket Pinch Screw .....                                                                                   |
| 222211  | 14004 | Lifting Presser Foot, 35 needle hole, in gauges from $\frac{1}{4}$ to $\frac{3}{4}$ in., in steps of $\frac{1}{16}$ in., for 229649 .. |
| 201031f | 13136 | Lifting Presser Foot Screw .....                                                                                                       |
| 231397  | 13139 | Needle Bar (hollow) .....                                                                                                              |
| 231437  | 13135 | " " Connecting Link .....                                                                                                              |

| No.     | Plate | Name                                                                                                                                 |
|---------|-------|--------------------------------------------------------------------------------------------------------------------------------------|
| 204249  | 12308 | Needle Bar Connecting Stud with 200072c and 202277 .....                                                                             |
| 202277  | —     | Needle Bar Connecting Stud Oil Packing (wick) .....                                                                                  |
| 200072c | 12308 | Needle Bar Connecting Stud Pinch Screw .....                                                                                         |
| 204326  | —     | Needle Bar Packing Cord (2) ....                                                                                                     |
| 200504e | 12386 | " " Screw Bushing (lower)                                                                                                            |
| 200503n | 12386 | " " " " (upper)                                                                                                                      |
| 231383  | 13140 | " Holder, in gauges from $\frac{1}{4}$ to $\frac{1}{2}$ in., in steps of $\frac{1}{16}$ in., with 201030f and two 200141f .....      |
| 231385  | 13140 | Needle Holder, in gauges from $\frac{1}{4}$ to $\frac{1}{2}$ in., in steps of $\frac{1}{16}$ in., with 201030f and two 200141f ..... |
| 201030f | 13136 | Needle Holder Screw .....                                                                                                            |
| 200141f | 12332 | " Set Screw .....                                                                                                                    |
| 222210  | 13137 | Presser Bar with 201031f .....                                                                                                       |
| 204719  | 11808 | " " Lifter .....                                                                                                                     |
| 200550c | 12311 | " " " Hinge Screw ...                                                                                                                |
| 222287  | 13135 | " " Lifting Bracket with 200387c .....                                                                                               |
| 204720  | 11808 | Presser Bar Lifting Bracket Position Guide .....                                                                                     |
| 200362c | 12311 | Presser Bar Lifting Bracket Position Guide Set Screw .....                                                                           |
| 200387c | 12376 | Presser Bar Lifting Bracket Set Screw .....                                                                                          |
| 204327  | 12306 | Presser Bar Packing Washer (felt)                                                                                                    |
| 200504e | 12386 | " " Screw Bushing (lower)                                                                                                            |
| 204721  | 11808 | " " Spring .....                                                                                                                     |
| 200491b | 12305 | " " Thumb Screw (pressure regulating) .....                                                                                          |
| 201506b | 11018 | Presser Bar Thumb Screw Check Nut .....                                                                                              |
| 213015  | 13139 | Take-up Cam with 200335c, 200383c, 200387c, 200400c, 200430c and 204479 .....                                                        |
| 231433  | 13135 | Take-up Cam Key .....                                                                                                                |
| 200430c | 12311 | " " Position Screw .....                                                                                                             |
| 200383c | 12311 | " " " " Check Screw .....                                                                                                            |
| 200335c | 12311 | Take-up Cam Set Screw .....                                                                                                          |
| 200383c | 12311 | " " " " Check Screw                                                                                                                  |
| 222205  | 13135 | " " Thrust Washer .....                                                                                                              |
| 221450  | —     | Take-up Cam complete, Nos. 204788, 213015 and 231437 .....                                                                           |

| No.     | Plate | Name                                                                                                     |
|---------|-------|----------------------------------------------------------------------------------------------------------|
| 204553  | 12386 | Take-up Lever .....                                                                                      |
| 204723  | 13135 | " " Bearing with 204264                                                                                  |
| 204264  | 12306 | " " " Position Pin..                                                                                     |
| 200042F | 12311 | " " " Screw .....                                                                                        |
| 201816  | 12307 | " " Roller .....                                                                                         |
| 213109  | ----  | Take-up Lever complete, Nos.<br>200042F, 201816, 204553 and 204723                                       |
| 202402  | 12309 | Tension Disc .....                                                                                       |
| 202090  | 12309 | " " Position Pin .....                                                                                   |
| 222251  | 11868 | " Release Lever .....                                                                                    |
| 222254  | 11868 | " " " Operating Lever                                                                                    |
| 200585H | 11868 | " " " " " "                                                                                              |
|         |       | Screw .....                                                                                              |
| 200309E | 10483 | Tension Release Lever Screw ....                                                                         |
| 202075  | 12309 | " " Plunger .....                                                                                        |
| 222285  | 13136 | " " Slide with 222284 ..                                                                                 |
| 222284  | ----  | " " " Spring .....                                                                                       |
| 222286  | ----  | Tension Release Slide complete,<br>Nos. 222251, 222285 and two<br>200585H .....                          |
| 225708  | 13136 | Tension Spring .....                                                                                     |
| 201375J | 13136 | " Stud .....                                                                                             |
| 200397H | 12309 | " " Set Screw .....                                                                                      |
| 201572B | 10881 | " Thumb Nut .....                                                                                        |
| 204271  | 12309 | " Washer .....                                                                                           |
| 221223  | ----  | Tension complete, Nos. 201375J,<br>201572B, 202075, 204271, 225708<br>and two 202402 .....               |
| 204274  | 12309 | Thread Controller Plate .....                                                                            |
| 200577H | 12311 | " " " Screw ....                                                                                         |
| 202098  | 12309 | " " Roller .....                                                                                         |
| 204275  | 12309 | " " " Guard .....                                                                                        |
| 202084  | 12309 | " " " Washer .....                                                                                       |
| 200300C | 12309 | " " " Screw .....                                                                                        |
| 204726  | 11808 | " " Spring .....                                                                                         |
| 204333  | 12309 | " " " Guard .....                                                                                        |
| 200581H | 12309 | " " " " Screw..                                                                                          |
| 202087  | 13136 | " " " Stop .....                                                                                         |
| 204795  | 10486 | " " " Stud with<br>204925 .....                                                                          |
| 200366H | 12309 | Thread Controller Spring Stud Set<br>Screw .....                                                         |
| 204925  | 12306 | Thread Controller Spring Stud<br>Washer .....                                                            |
| 204730  | 12386 | Thread Controller Thread Guard..                                                                         |
| 200397H | 12309 | " " " " Set<br>Screw .....                                                                               |
| 205987  | 12309 | Thread Controller complete, Nos.<br>200300C, 200581H, 202084, 202098,<br>204274, 204275 and 204333 ..... |

| No.     | Plate | Name                                                                                                                                                                    |
|---------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 204731  | 11808 | Thread Controller and Spring com-<br>plete, Nos. 204726 and 205987 ...                                                                                                  |
| 203313  | 12386 | Thread Guide .....                                                                                                                                                      |
| 204281  | 12309 | " Retainer Guide Wire .....                                                                                                                                             |
| 202091  | 12309 | " " Sleeve .....                                                                                                                                                        |
| 202092  | 12309 | " " Spring .....                                                                                                                                                        |
| 204058  | 12309 | " " Stud .....                                                                                                                                                          |
| 200368H | 12309 | " " " Set Screw .....                                                                                                                                                   |
| 204059  | 12309 | Thread Retainer complete, Nos.<br>202091, 202092 and 204058 .....                                                                                                       |
| 231438  | 13138 | Throat Plate, 31 needle hole, for<br>needle sizes 25 and 26, in gauges<br>from $\frac{1}{4}$ to $\frac{3}{16}$ in., in steps of $\frac{1}{32}$ in.,<br>for 231754 ..... |
| 231449  | 13149 | Throat Plate, 31 needle hole, for<br>needle sizes 25 and 26, in gauges<br>from $\frac{1}{16}$ to $\frac{3}{8}$ in., in steps of $\frac{1}{32}$ in.,<br>for 231448 ..... |
| 200161D | 12319 | Throat Plate Clamp Screw .....                                                                                                                                          |
| 202062  | 12308 | " " Position Pin .....                                                                                                                                                  |
| 200577H | 12311 | " " Screw .....                                                                                                                                                         |
| 231439  | 13139 | Vibrating Presser Bar with 206108                                                                                                                                       |
| 222213  | 13135 | " " " Adjustable<br>Stop with 200113F .....                                                                                                                             |
| 222214  | ----  | Vibrating Presser Bar Adjustable<br>Stop 222213 with 221439 and two<br>201215F .....                                                                                    |
| 221439  | 13135 | Vibrating Presser Bar Adjustable<br>Stop Finger .....                                                                                                                   |
| 201215F | 13136 | Vibrating Presser Bar Adjustable<br>Stop Finger Screw .....                                                                                                             |
| 200113F | 12308 | Vibrating Presser Bar Adjustable<br>Stop Set Screw .....                                                                                                                |
| 200935F | 11803 | Vibrating Presser Bar Hinge Screw                                                                                                                                       |
| 201534E | 11868 | " " " " " "<br>Nut .....                                                                                                                                                |
| 204797  | 13135 | Vibrating Presser Bar Spring<br>(spiral) .....                                                                                                                          |
| 206108  | 13136 | Vibrating Presser Bar Spring Hook                                                                                                                                       |
| 204189  | 12306 | " " " " " "                                                                                                                                                             |
| 229649  | 14067 | " " Foot, in gauges<br>from $\frac{1}{4}$ to $\frac{3}{4}$ in., in steps of $\frac{1}{32}$ in.,<br>for 222211 .....                                                     |
| 200098F | 12307 | Vibrating Presser Foot Screw .....                                                                                                                                      |
| 203357  | 11803 | " " " " Washer                                                                                                                                                          |

## ACCESSORIES

FOR MACHINE No. 22w23

| No.     | Plate | Name                                                                        |
|---------|-------|-----------------------------------------------------------------------------|
| 200157n | 12332 | Attachment Screw .....                                                      |
| 203208  | 12312 | Bobbin (10) .....                                                           |
| *225482 | —     | " Case Screw Driver Blade ...                                               |
| *225483 | —     | " " " " Handle ..                                                           |
| 225497  | 12345 | Bobbin Case Screw Driver complete, Nos. 225482 and 225483 ..                |
| 128 x 3 | —     | Needles, six each, sizes 12 and 14                                          |
| 225191  | —     | Drip Pan with four wood screws $\frac{1}{2}$ in., No. 5 .....               |
| 41400   | 12345 | Machine Rest Pin (wood) .....                                               |
| 36578   | 12345 | Oiler with 36579 .....                                                      |
| 36579   | 12345 | " Spout, $3\frac{1}{2}$ in. long, with 120117                               |
| 120117  | —     | " " Washer (leather) .....                                                  |
| *225484 | —     | Screw Driver Blade .....                                                    |
| *225485 | —     | " " Handle .....                                                            |
| 225498  | 12345 | Screw Driver complete ( $7\frac{1}{2}$ in. long), Nos. 225484 and 225485 .. |
| 225554  | 12345 | Wrench (steel) .....                                                        |
| 202511  | 13084 | " .....                                                                     |

### BOBBIN WINDER

|         |       |                                   |
|---------|-------|-----------------------------------|
| 225453  | 10884 | Frame with 202277 and 225438 .... |
| 225454  | 10884 | " Hinge Pin .....                 |
| 202277  | —     | " Oil Packing (wick) .....        |
| 225438  | 10884 | " " Well Cap .....                |
| 225455  | 10884 | " Spring .....                    |
| 225456  | 10884 | " " Plunger .....                 |
| 202473  | 10885 | Pulley with 200380c .....         |
| 200380c | 12319 | " Set Screw .....                 |
| 225381  | 10884 | Spindle .....                     |
| 225444  | 10884 | Stop Latch .....                  |
| 200056E | 10884 | " " Screw .....                   |
| 225458  | 10884 | " " Thumb Lever .....             |
| 225459  | 10884 | " " " " Hinge Stud                |
| 225460  | 10884 | " " " " Joint Stud                |
| 202478  | 10884 | " " Trip Lever .....              |
| 200299n | 10884 | " " " " Hinge Screw               |
| 225461  | 10881 | Tension Bracket with 201499n .... |
| 200082n | 10881 | " " Screw .....                   |
| 228026  | 10884 | " " " Washer .....                |

| No.     | Plate | Name                                                                                                                                                                                                               |
|---------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2102    | 10881 | Tension Disc .....                                                                                                                                                                                                 |
| 202407  | 10881 | " Spring .....                                                                                                                                                                                                     |
| 201499n | 10881 | " Stud .....                                                                                                                                                                                                       |
| 201572n | 10881 | " " Thumb Nut .....                                                                                                                                                                                                |
| 225462  | 10881 | Bobbin Winder Tension Bracket complete, Nos. 201572n, 202407, 225461 and two 2102 .....                                                                                                                            |
| 225433  | 10885 | Bobbin Winder and Tension Bracket Base .....                                                                                                                                                                       |
| 225382  | 10885 | Universal Bobbin Winder complete, Nos. 200056E, 200082n, 200299n, 202473, 202478, 225381, 225433, 225444, 225453 to 225456, 225458 to 225460, 225462, 228026 and two wood screws $\frac{3}{4}$ in., No. 13, R.H.B. |

### KNEE LIFTER

|         |       |                                                                            |
|---------|-------|----------------------------------------------------------------------------|
| 227781  | 11125 | Knee Lifter Rock Lever with 200522c and 200529c .....                      |
| 227782  | —     | Knee Lifter Rock Lever 227781 with two each 202451 and 202452 ...          |
| 227783  | 11125 | Knee Lifter Rock Lever 227782 with 202985 and 227784 .....                 |
| 202453  | 11125 | Knee Lifter Rock Lever Knee Plate with 200526c .....                       |
| 202985  | —     | Knee Lifter Rock Lever Knee Plate 202453 with 202455 .....                 |
| 202455  | 11125 | Knee Lifter Rock Lever Knee Plate Arm (short) .....                        |
| 200522c | 12319 | Knee Lifter Rock Lever Knee Plate Arm Set Screw .....                      |
| 200526c | 12319 | Knee Lifter Rock Lever Knee Plate Set Screw .....                          |
| 202451  | 11125 | Knee Lifter Rock Lever Lug with two wood screws $\frac{7}{8}$ in., No. 13n |
| 202452  | 12319 | Knee Lifter Rock Lever Lug Hinge Pin .....                                 |
| 227784  | 11125 | Knee Lifter Rock Lever Rod, 3 in. long, with 227785 .....                  |
| *227785 | —     | Knee Lifter Rock Lever Rod Cap or Oil Guard .....                          |
| 200529c | 12319 | Knee Lifter Rock Lever Rod Set Screw .....                                 |

(Other Knee Lifter Parts are listed with parts of machine head.)

## THREAD UNWINDER

| No.     | Plate | Name                                                                                                                                                                 |
|---------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 225389  | 14083 | Spool Rest (for one spool) with 201018c .....                                                                                                                        |
| 225395  | 14083 | Spool Rest (for two spools) with 201018c .....                                                                                                                       |
| 225388  | 14083 | Spool Rest Rod .....                                                                                                                                                 |
| 200383c | 12311 | " " " Set Screw .....                                                                                                                                                |
| 201018c | 13138 | " " " Set Screw .....                                                                                                                                                |
| 202490  | 14083 | " Stand with 200383c .....                                                                                                                                           |
| 225391  | 14083 | Thread Guide .....                                                                                                                                                   |
| 201696j | 13138 | " " Lock Nut .....                                                                                                                                                   |
| 225392  | 14083 | " " Rod with 208c and 225393 .....                                                                                                                                   |
| 208c    | 13138 | Thread Guide Rod Screw .....                                                                                                                                         |
| 225393  | 13136 | " " " Washer .....                                                                                                                                                   |
| 225397  | 14083 | Thread Unwinder (for three spools) complete, Nos. 201696j, 202490, 225388, 225389, 225392, 225395, three each 225391 and wood screws $\frac{3}{8}$ in., No. 13 ..... |

## FOR MACHINE No. 22w25

Same as for 22w23 with the following exception:

202511 13084 Wrench (not used) .....

## FOR MACHINE No. 22w38

Same as for 22w23 with the following exceptions:

203470 11236 Bobbin (10), in place of 203208 ...  
 213759 13138 Knife (3) .....

126 x 3 ——— Needles, four each, sizes 16, 18 and 20, in place of 128 x 3 .....

(202511 Wrench, not used) .....

## FOR MACHINE No. 22w111

Same as for 22w23 with the following exceptions:

225181 ——— Drip Pan with four wood screws  $\frac{1}{2}$  in., No. 5, in place of 225191 ...

| No.     | Plate | Name                                                               |
|---------|-------|--------------------------------------------------------------------|
| 226056  | 11018 | Quilter .....                                                      |
| 126 x 3 | —     | Needles, four each, sizes 16, 18 and 20, in place of 128 x 3 ..... |
|         |       | (202511 Wrench, not used) .....                                    |

## KNEE LIFTER

|         |       |                                                                                  |
|---------|-------|----------------------------------------------------------------------------------|
| 227781  | 11125 | Knee Lifter Rock Lever with 200522c and 200529c .....                            |
| 227782  | —     | Knee Lifter Rock Lever 227781 with two each 202451 and 202452 ...                |
| 227787  | —     | Knee Lifter Rock Lever 227782 with 202203 and 227784, in place of 227783 .....   |
| 202453  | 11125 | Knee Lifter Rock Lever Knee Plate with 200526c .....                             |
| 202203  | —     | Knee Lifter Rock Lever Knee Plate 202453 with 202454 .....                       |
| 202454  | 11125 | Knee Lifter Rock Lever Knee Plate Arm (long) .....                               |
| 200522c | 12319 | Knee Lifter Rock Lever Knee Plate Arm Set Screw .....                            |
| 200526c | 12319 | Knee Lifter Rock Lever Knee Plate Set Screw .....                                |
| 202451  | 11125 | Knee Lifter Rock Lever Lug with two wood screws $\frac{3}{8}$ in., No. 13u ..... |
| 202452  | 12319 | Knee Lifter Rock Lever Lug Hinge Pin .....                                       |
| 227784  | 11125 | Knee Lifter Rock Lever Rod, 3 in. long, with 227785 .....                        |
| *227785 | —     | Knee Lifter Rock Lever Rod Cap or Oil Guard .....                                |
| 200529c | 12319 | Knee Lifter Rock Lever Rod Set Screw .....                                       |

(Other Knee Lifter Parts are listed with parts of machine head.)

## FOR MACHINE No. 22w113

Same as for 22w23 with the following exceptions:

225181 ——— Drip Pan with four wood screws  $\frac{1}{2}$  in., No. 5, in place of 225191 ...

227787 ——— Knee Lifter Rock Lever, in place of 227783 .....

126 x 3 ——— Needles, four each, sizes 16, 18 and 20, in place of 128 x 3 .....

(202511 Wrench, not used) .....

## FOR MACHINE No. 22w133

Same as for 22w23 with the following exceptions:

| No.    | Plate | Name                                                                                                                                                                  |
|--------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 225181 | —     | Drip Pan with four wood screws $\frac{1}{2}$ in., No. 5, in place of 225191 ...<br>(227783 Knee Lifter Rock Lever, not used) .....<br>(202511 Wrench, not used) ..... |

## EDGE FOLDER

|         |       |                                                                      |
|---------|-------|----------------------------------------------------------------------|
| 230802  | 11857 | Edge Folder (left) .....                                             |
| 230803  | 11857 | " " (right) .....                                                    |
| 230260  | 13138 | " " Base .....                                                       |
| 200170b | 13138 | " " Screw .....                                                      |
| 230804  | 11857 | Edge Folder complete, Nos. 230260, 230802, 230803 and two 200170b... |

## EDGE GUIDE

|         |       |                                                                     |
|---------|-------|---------------------------------------------------------------------|
| 230805  | 11857 | Edge Guide (left) .....                                             |
| 230806  | 11857 | " " (right) .....                                                   |
| 230808  | 13138 | " " (double, for paper) ...                                         |
| 230260  | 13138 | " " Base .....                                                      |
| 200170b | 13138 | " " Screw .....                                                     |
| 230807  | 11857 | Edge Guide complete, Nos. 230260, 230805, 230806 and two 200170b... |

## FOR MACHINE No. 22w207

Same as for 22w23 with the following exceptions:

|         |       |                                                                                 |
|---------|-------|---------------------------------------------------------------------------------|
| 203470  | 11236 | Bobbin (10), in place of 203208 ....                                            |
| 225181  | —     | Drip Pan with four wood screws $\frac{1}{2}$ in., No. 5, in place of 225191 ... |
| 227787  | —     | Knee Lifter Rock Lever, in place of 227783 .....                                |
| 129 x 1 | —     | Needles, twelve, size 22, in place of 128 x 3 .....                             |
|         |       | (202511 Wrench, not used) .....                                                 |

## FEED DOGS

| No.    | Plate | Name                       |
|--------|-------|----------------------------|
| 211010 | 13141 | Feed Dog, for 211748 ..... |
| 236411 | 13143 | " " " 211053 and 211054 .. |
| 211246 | 13143 | " " " 211726 and 211727 .. |
| 211298 | 13142 | " " " 211191 and 211879 .. |
| 211642 | 13142 | " " " 211641 .....         |
| 211646 | 13142 | " " " 211645 .....         |
| 211648 | 13142 | " " " 211647 .....         |
| 211652 | 13141 | " " " 211859 .....         |
| 211654 | 13141 | " " " 211653 .....         |
| 211669 | 12092 | " " " 211666 and 211667 .. |
| 211670 | 12092 | " " " 211666 and 211667 .. |
| 211674 | 12092 | " " " 211671 and 211672 .. |
| 211675 | 12092 | " " " 211671 and 211672 .. |
| 211679 | 12093 | " " " 211677 .....         |
| 211680 | 12093 | " " " 211677 .....         |
| 211684 | 12093 | " " " 211682 .....         |
| 211685 | 12093 | " " " 211682 .....         |
| 211717 | 12099 | " " " 211715 and 211716 .. |
| 211718 | 12099 | " " " 211715 and 211716 .. |
| 211721 | 12099 | " " " 211720 .....         |
| 211722 | 12099 | " " " 211720 .....         |
| 211725 | 12100 | " " " 211724 .....         |
| 211728 | 12100 | " " " 211726 and 211727 .. |
| 211729 | 12100 | " " " 211726 and 211727 .. |
| 211732 | 12100 | " " " 211731 .....         |
| 211733 | 12100 | " " " 211731 .....         |
| 211754 | 13141 | " " " 222212 and 231438 .. |
| 211761 | 13141 | " " " 211759 and 211760 .. |
| 211762 | 13141 | " " " 211759 and 211760 .. |
| 211765 | 12104 | " " " 211764 .....         |
| 211766 | 12104 | " " " 211764 .....         |
| 211769 | 12104 | " " " 211768 .....         |
| 211770 | 12104 | " " " 211768 .....         |
| 211784 | 13143 | " " " 211782 and 211783 .. |
| 211805 | 13143 | " " " 222334 .....         |
| 211809 | 13141 | " " " 211952 and 212050 .. |
| 211884 | 13142 | " " " 222298 .....         |
| 211904 | 13142 | " " " 212091 .....         |
| 211933 | 13141 | " " " 211764 .....         |
| 211934 | 13141 | " " " 211768 .....         |
| 211995 | 13141 | " " " 211191 and 211879 .. |
| 236423 | 13143 | " " " 211060 and 211061 .. |
| 212169 | 11814 | " " " 211066 and 211067 .. |
| 231516 | 13143 | " " " 212242 .....         |
| 212474 | 11814 | " " " 211063 and 211064 .. |

| No.    | Plate | Name                               |
|--------|-------|------------------------------------|
| 212571 | 11813 | Feed Dog, for 211050 and 211614 .. |
| 211644 | 13142 | " " " 211643 .....                 |
| 212836 | 13142 | " " " 211771 .....                 |
| 213894 | 13143 | " " " 213893 .....                 |
| 222235 | 13141 | " " " 222238 and 222239 ..         |
| 231448 | 13141 | " " " 231449 .....                 |
| 236419 | 11813 | " " " 211057 and 211058 ..         |

## NEEDLE HOLDERS

|        |       |                                                                                                                                                                                                                                   |
|--------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 231383 | 13140 | Needle Holder, in gauges from $\frac{1}{8}$ to $\frac{1}{2}$ in., in steps of $\frac{1}{16}$ in., with 201030F and two 200141F, for Machines Nos. 22w23, 22w25, 22w111, 22w113 and 22w207 .....                                   |
| 231385 | 13140 | Needle Holder, in gauges from $\frac{1}{8}$ to $\frac{3}{4}$ in., in steps of $\frac{1}{16}$ in., with 201030F and two 200141F, for Machines Nos. 22w111, 22w113 and 22w207 .....                                                 |
| 229662 | 13140 | Needle Holder, in gauges from $\frac{1}{8}$ to $\frac{1}{2}$ in., in steps of $\frac{1}{16}$ in., for trimming .045, .060 and .085 in., with 200141F, 200389C and two 200581U, for Needle Bar 203715, for Machine No. 22w38 ..... |
| 231400 | 13140 | Needle Holder, in gauges from $\frac{1}{8}$ to $\frac{3}{4}$ in., in steps of $\frac{1}{16}$ in., for trimming .045, .060 and .085 in., with 201030F and two 200389C, for Needle Bar 231390, for Machine No. 22w38 .....          |
| 231401 | 13140 | Needle Holder, in gauges $\frac{1}{8}$ and $\frac{3}{4}$ in., with 201030F and two 200141F, for Machine No. 22w133 .....                                                                                                          |

## PRESSER FEET

### FOR MACHINE No. 22w23

| No.    | Plate | Name                                                                                                                    |
|--------|-------|-------------------------------------------------------------------------------------------------------------------------|
| 229550 | 13084 | Presser Foot, 46 needle hole, in gauges from $\frac{1}{16}$ to $\frac{3}{8}$ in., in steps of $\frac{1}{16}$ inch ..... |
| 222292 | 13144 | Presser Foot, 46 needle hole, in gauges $\frac{1}{16}$ and $\frac{1}{8}$ inch .....                                     |

### FOR MACHINE No. 22w25

|        |       |                                                                                                                    |
|--------|-------|--------------------------------------------------------------------------------------------------------------------|
| 213042 | 11029 | Presser Foot, 46 needle hole, in gauges $\frac{1}{16}$ , $\frac{1}{8}$ , $\frac{3}{16}$ and $\frac{1}{4}$ inch ... |
|--------|-------|--------------------------------------------------------------------------------------------------------------------|

### FOR MACHINE No. 22w38

|        |       |                                                                                                                                |
|--------|-------|--------------------------------------------------------------------------------------------------------------------------------|
| 230795 | 13138 | Presser Foot Hinge Pin .....                                                                                                   |
| 222236 | ----- | " " Plate, for 222237 ....                                                                                                     |
| 202923 | ----- | " " Shank .....                                                                                                                |
| 229123 | 13144 | Presser Foot, 46 needle hole, in gauges from $\frac{1}{16}$ to $\frac{3}{8}$ in., in steps of $\frac{1}{16}$ inch .....        |
| 229124 | 13144 | Presser Foot, 46 needle hole, in gauges from $\frac{1}{16}$ to $\frac{3}{4}$ in., in steps of $\frac{1}{16}$ inch .....        |
| 222237 | 13144 | Presser Foot (hinged) complete, 50 needle hole, in gauges $\frac{1}{16}$ and $\frac{1}{8}$ in., Nos. 202923, 222236 and 230795 |

### FOR MACHINE No. 22w111

|        |       |                                                                                                                         |
|--------|-------|-------------------------------------------------------------------------------------------------------------------------|
| 229102 | 12332 | Presser Foot, 46 needle hole, in gauges $\frac{1}{8}$ , $\frac{3}{16}$ , $\frac{1}{4}$ and $\frac{5}{16}$ inch ....     |
| 229103 | 14004 | Presser Foot, 46 needle hole, in gauges $\frac{1}{8}$ , $\frac{3}{16}$ and $\frac{5}{16}$ inch .....                    |
| 229104 | 12164 | Presser Foot, 46 needle hole, in gauges from $\frac{1}{16}$ to $\frac{1}{2}$ in., in steps of $\frac{1}{16}$ inch ..... |
| 229105 | 12164 | Presser Foot, 46 needle hole, in gauges $\frac{1}{16}$ and $\frac{3}{8}$ inch .....                                     |
| 229106 | 12164 | Presser Foot, 46 needle hole, in gauges $\frac{1}{16}$ , $\frac{3}{16}$ , $\frac{1}{4}$ and $\frac{5}{16}$ inch ...     |



| No.    | Plate | Name                                                                                                                                                                     |
|--------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 229107 | 12164 | Presser Foot, 46 needle hole, in gauges $\frac{1}{16}$ and $\frac{1}{8}$ inch .....                                                                                      |
| 230795 | —     | Presser Foot Hinge Pin .....                                                                                                                                             |
| 229132 | —     | " " Plate, for 229133 ....                                                                                                                                               |
| 229134 | —     | " " " " 229135 ....                                                                                                                                                      |
| 229138 | —     | " " " " 229139 ....                                                                                                                                                      |
| 229140 | —     | " " " " 229141 ....                                                                                                                                                      |
| 229095 | —     | " " " " 229096 ....                                                                                                                                                      |
| 229097 | —     | " " " " 229098 ....                                                                                                                                                      |
| 229099 | —     | " " " " 229100 ....                                                                                                                                                      |
| 202923 | —     | " Shank .....                                                                                                                                                            |
| 229133 | 14005 | Presser Foot (hinged) complete, 46 needle hole, in gauges $\frac{1}{16}$ , $\frac{1}{8}$ , $\frac{3}{16}$ and $\frac{1}{4}$ in., Nos. 202923, 229132 and 230795 .....    |
| 229135 | 14005 | Presser Foot (hinged) complete, 46 needle hole, in gauges $\frac{1}{16}$ , $\frac{1}{8}$ , $\frac{3}{16}$ and $\frac{1}{4}$ in., Nos. 202923, 229134 and 230795 .....    |
| 229139 | 13144 | Presser Foot (hinged) complete, 46 needle hole, in gauges from $\frac{1}{16}$ to $\frac{1}{2}$ in., in steps of $\frac{1}{16}$ in., Nos. 202923, 229138 and 230795 ..... |
| 229141 | 13144 | Presser Foot (hinged) complete, 46 needle hole, in gauges $\frac{1}{16}$ , $\frac{1}{8}$ , $\frac{3}{16}$ and $\frac{1}{4}$ in., Nos. 202923, 229140 and 230795 .....    |
| 229096 | 13144 | Presser Foot (hinged) complete, 46 needle hole, in gauges $\frac{1}{16}$ , $\frac{1}{8}$ , $\frac{3}{16}$ and $\frac{1}{4}$ in., Nos. 202923, 229095 and 230795 .....    |
| 229098 | 13138 | Presser Foot (hinged) complete, 46 needle hole, in gauges $\frac{1}{16}$ , $\frac{1}{8}$ , $\frac{3}{16}$ and $\frac{1}{4}$ in., Nos. 202923, 229097 and 230795 .....    |
| 229100 | 13138 | Presser Foot (hinged) complete, 46 needle hole, in gauges from $\frac{1}{16}$ to $\frac{1}{2}$ in., in steps of $\frac{1}{16}$ in., Nos. 202923, 229099 and 230795 ..... |

## FOR MACHINE No. 22w113

|        |       |                                                                                 |
|--------|-------|---------------------------------------------------------------------------------|
| 206669 | 14005 | Lifting Presser Foot, 46 needle hole, in $\frac{1}{4}$ in. gauge, for 206670..  |
| 206708 | 14005 | Lifting Presser Foot, 50 needle hole, in $\frac{1}{4}$ in. gauge, for 206710..  |
| 206709 | 14005 | Lifting Presser Foot, 46 needle hole, in $\frac{1}{4}$ in. gauge, for 206710 .. |

| No.    | Plate | Name                                                                                                                                                       |
|--------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 206711 | 14005 | Lifting Presser Foot, 46 needle hole, in gauges $\frac{1}{16}$ and $\frac{1}{8}$ in., for 206713 .....                                                     |
| 206712 | 14005 | Lifting Presser Foot, 50 needle hole, in gauges $\frac{1}{16}$ and $\frac{1}{8}$ in., for 206713 .....                                                     |
| 222305 | 14067 | Lifting Presser Foot, 46 needle hole, in gauges from $\frac{1}{16}$ to $\frac{1}{4}$ in., in steps of $\frac{1}{16}$ in., for strip work, for 229649 ..... |
| 229667 | 14004 | Lifting Presser Foot, 46 needle hole, in gauges from $\frac{1}{16}$ to $\frac{1}{2}$ in., in steps of $\frac{1}{16}$ in., for felling, for 229653 .....    |
| 229624 | 14005 | Lifting Presser Foot, in $\frac{1}{4}$ in. gauge, for 206675 and 206714 .....                                                                              |
| 229641 | 14004 | Lifting Presser Foot, 46 needle hole, in gauges $\frac{1}{16}$ , $\frac{1}{8}$ , $\frac{3}{16}$ and $\frac{1}{4}$ in., for 206671 .....                    |
| 229642 | 14004 | Lifting Presser Foot, 46 needle hole, in gauges $\frac{1}{16}$ and $\frac{1}{8}$ in., for 206661 .....                                                     |
| 229646 | 14067 | Lifting Presser Foot, 50 needle hole, in gauges $\frac{1}{16}$ , $\frac{1}{8}$ and $\frac{1}{4}$ in., for 206690 .....                                     |
| 229650 | 14067 | Lifting Presser Foot, 46 needle hole, in gauges $\frac{1}{16}$ , $\frac{1}{8}$ , $\frac{3}{16}$ , $\frac{1}{4}$ and $\frac{1}{2}$ in., for 229651 .....    |
| 229652 | 14067 | Lifting Presser Foot, 46 needle hole, in gauges from $\frac{1}{16}$ to $\frac{1}{2}$ in., in steps of $\frac{1}{16}$ in., for 229653 ...                   |
| 229654 | 14004 | Lifting Presser Foot, 46 needle hole, in gauges $\frac{1}{16}$ , $\frac{1}{8}$ , $\frac{3}{16}$ and $\frac{1}{4}$ in., for 229655 .....                    |
| 206661 | 11839 | Vibrating Presser Foot, for 229642                                                                                                                         |
| 206670 | 11839 | " " " " 206669                                                                                                                                             |
| 206675 | 11839 | " " " " 229624                                                                                                                                             |
| 206690 | 11839 | " " " " 229646                                                                                                                                             |
| 206710 | 11839 | " " " " 206708                                                                                                                                             |
|        |       | and 206709 .....                                                                                                                                           |
| 206713 | 11839 | Vibrating Presser Foot, for 206711 and 206712 .....                                                                                                        |
| 206714 | 11839 | Vibrating Presser Foot, for 229624                                                                                                                         |
| 229651 | 14067 | " " " " 229650                                                                                                                                             |
| 229653 | 14067 | " " " " in gauges from $\frac{1}{16}$ to $\frac{1}{2}$ in., in steps of $\frac{1}{16}$ in., for 229652 and 229667 .....                                    |
| 229655 | 14004 | Vibrating Presser Foot, in gauges $\frac{1}{16}$ , $\frac{1}{8}$ , $\frac{3}{16}$ and $\frac{1}{4}$ in., for 229654 ..                                     |

| No.    | Plate | Name                                                                                                            |
|--------|-------|-----------------------------------------------------------------------------------------------------------------|
| 206671 | 11839 | Vibrating Presser Foot, for 229641                                                                              |
| 229649 | 14067 | " " " in gauges<br>from $\frac{1}{4}$ to $\frac{3}{4}$ in., in steps of $\frac{1}{32}$ in.,<br>for 222305 ..... |

## FOR MACHINE No. 22w133

|        |       |                                                                       |
|--------|-------|-----------------------------------------------------------------------|
| 213096 | 11043 | Presser Foot, in gauges $\frac{1}{4}$ and $\frac{3}{4}$<br>inch ..... |
|--------|-------|-----------------------------------------------------------------------|

## FOR MACHINE No. 22w207

|        |       |                                                                                                                                               |
|--------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| 222211 | 14004 | Lifting Presser Foot, 35 needle<br>hole, in gauges from $\frac{1}{4}$ to $\frac{3}{4}$ in.,<br>in steps of $\frac{1}{32}$ in., for 229649 ... |
| 229649 | 14067 | Vibrating Presser Foot, in gauges<br>from $\frac{1}{4}$ to $\frac{3}{4}$ in., in steps of $\frac{1}{32}$ in.,<br>for 222211 .....             |

## THROAT PLATES

## FOR MACHINE No. 22w23

| No.    | Plate | Name                                                                                                                                             |
|--------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| 211641 | 13146 | Throat Plate, 50 needle hole, for<br>needle sizes 14 and 15, in $\frac{3}{16}$ in.<br>gauge, for 211642 .....                                    |
| 211643 | 13146 | Throat Plate, 50 needle hole, for<br>needle sizes 14 and 15, in $\frac{1}{4}$ in.<br>gauge, for 211644 .....                                     |
| 211645 | 13146 | Throat Plate, 50 needle hole, for<br>needle sizes 14 and 15, in $\frac{3}{16}$ in.<br>gauge, for 211646 .....                                    |
| 211647 | 13146 | Throat Plate, 50 needle hole, for<br>needle sizes 14 and 15, in gauges<br>$\frac{1}{4}$ , $\frac{3}{16}$ and $\frac{1}{2}$ in., for 211648 ..... |
| 211653 | 13146 | Throat Plate, 50 needle hole, for<br>needle sizes 14 and 15, in gauges<br>$\frac{3}{16}$ and $\frac{1}{2}$ in., for 211654 .....                 |
| 211782 | 13146 | Throat Plate, 50 needle hole, for<br>needle sizes 14 and 15, in gauges<br>$\frac{1}{4}$ and $\frac{1}{2}$ in., for 211784 .....                  |
| 211783 | 13147 | Throat Plate, 46 needle hole, for<br>needle sizes 16 and 18, in gauges<br>$\frac{3}{16}$ and $\frac{1}{2}$ in., for 211784 .....                 |

## FOR MACHINE No. 22w25

|        |       |                                                                                                                                                                |
|--------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 211879 | 13147 | Throat Plate, 50 needle hole, for<br>needle sizes 14 and 15, in gauges<br>$\frac{3}{16}$ , $\frac{1}{4}$ and $\frac{1}{2}$ in., for 211298 and<br>211995 ..... |
| 211614 | 11813 | Throat Plate, 50 needle hole, for<br>needle sizes 14 and 15, in $\frac{3}{16}$ in.<br>gauge, for 212571 .....                                                  |

## FOR MACHINE No. 22w38

|        |       |                                                                                                                                                                                                                                                                                              |
|--------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 211952 | 11823 | Throat Plate, 50 needle hole, for<br>needle sizes 14 and 15, in gauges<br>from $\frac{1}{16}$ to $\frac{3}{4}$ in., in steps of $\frac{1}{32}$ in.,<br>with 200178D, 200587D, 211416 and<br>211426, trims opposite the needle<br>and .060 and .085 in. to right of<br>seam, for 211809 ..... |
|--------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| No.    | Plate | Name                                                                                                                                                                                                                                                               |
|--------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 212050 | 13147 | Throat Plate, 50 needle hole, for needle sizes 14 and 15, in gauges $\frac{1}{16}$ , $\frac{1}{8}$ and $\frac{1}{4}$ in., with 200178n, 200587n, 211416 and 211426, trims opposite the needle and .060, .085, .115 and .125 in. to right of seam, for 211809 ..... |
| 222238 | 13147 | Throat Plate, 50 needle hole, for needle sizes 14 and 15, in gauges $\frac{1}{16}$ and $\frac{1}{8}$ in., with 200178n, 200587n, 211416 and 211426, trims opposite the needle and .060, .085, .115 and .125 in. to right of seam, for 222235 .....                 |
| 222239 | 13147 | Throat Plate, 46 needle hole, for needle sizes 16 and 18, in gauges $\frac{1}{8}$ and $\frac{1}{4}$ in., with 200178n, 200587n, 211416 and 211426, trims opposite the needle and .060, .085, .115 and .125 in. to right of seam, for 222235 .....                  |
| 222298 | 13147 | Throat Plate, 50 needle hole, for needle sizes 14 and 15, in $\frac{1}{8}$ in. gauge, with 200178n, 200587n, 211416 and 211426, trims opposite the needle and .060 and .085 in. to right of seam, for 211884 ....                                                  |
| 222334 | 13148 | Throat Plate, 50 needle hole, for needle sizes 14 and 15, in $\frac{1}{4}$ in. gauge, with 200178n, 200587n, 211416 and 211426, trims opposite the needle and .060 and .085 in. to right of seam, for 211805 ...                                                   |

## FOR MACHINE No. 22w111

|        |       |                                                                                                                           |
|--------|-------|---------------------------------------------------------------------------------------------------------------------------|
| 211050 | 11813 | Throat Plate, 46 needle hole, for needle sizes 16 and 18, in gauges $\frac{1}{8}$ and $\frac{1}{4}$ in., for 212571 ..... |
| 211053 | 11813 | Throat Plate, 50 needle hole, for needle sizes 14 and 15, in gauges $\frac{1}{4}$ and $\frac{1}{2}$ in., for 236411 ..... |
| 211054 | 11813 | Throat Plate, 46 needle hole, for needle sizes 16 and 18, in gauges $\frac{1}{8}$ and $\frac{1}{4}$ in., for 236411 ..... |
| 211057 | 11813 | Throat Plate, 50 needle hole, for needle sizes 14 and 15, in gauges $\frac{1}{8}$ and $\frac{1}{4}$ in., for 236419 ..... |

| No.    | Plate | Name                                                                                                                                                                                 |
|--------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 211058 | 11813 | Throat Plate, 46 needle hole, for needle sizes 16 and 18, in gauges $\frac{1}{8}$ and $\frac{1}{4}$ in., for 236419 .....                                                            |
| 211060 | 11814 | Throat Plate, 50 needle hole, for needle sizes 14 and 15, in gauges $\frac{1}{16}$ and $\frac{1}{8}$ in., for 236423 .....                                                           |
| 211061 | 11814 | Throat Plate, 46 needle hole, for needle sizes 16 and 18, in gauges $\frac{1}{8}$ and $\frac{1}{4}$ in., for 236423 .....                                                            |
| 211063 | 11814 | Throat Plate, 50 needle hole, for needle sizes 14 and 15, in gauges $\frac{1}{8}$ and $\frac{1}{4}$ in., for 212474 .....                                                            |
| 211064 | 11814 | Throat Plate, 46 needle hole, for needle sizes 16 and 18, in gauges $\frac{1}{8}$ and $\frac{1}{4}$ in., for 212474 .....                                                            |
| 211066 | 11814 | Throat Plate, 50 needle hole, for needle sizes 14 and 15, in gauges $\frac{1}{8}$ and $\frac{1}{4}$ in., for 212169 .....                                                            |
| 211067 | 11814 | Throat Plate, 46 needle hole, for needle sizes 16 and 18, in gauges $\frac{1}{8}$ and $\frac{1}{4}$ in., for 212169 .....                                                            |
| 211191 | 13148 | Throat Plate, 46 needle hole, for needle sizes 16 and 18, in $\frac{1}{4}$ in. gauge, for 211298 and 211995 ..                                                                       |
| 211614 | 11813 | Throat Plate, 50 needle hole, for needle sizes 14 and 15, in gauges $\frac{1}{8}$ and $\frac{1}{4}$ in., for 212571 .....                                                            |
| 211666 | 12092 | Throat Plate, 50 needle hole, for needle sizes 14 and 15, in gauges $\frac{1}{8}$ , $\frac{1}{4}$ , $\frac{3}{8}$ , $\frac{1}{2}$ and $\frac{3}{4}$ in., for 211669 and 211670 ..... |
| 211667 | 12092 | Throat Plate, 46 needle hole, for needle sizes 16 and 18, in gauges $\frac{1}{8}$ , $\frac{1}{4}$ , $\frac{3}{8}$ , $\frac{1}{2}$ and $\frac{3}{4}$ in., for 211669 and 211670 ..... |
| 211671 | 12092 | Throat Plate, 50 needle hole, for needle sizes 14 and 15, in gauges $\frac{1}{8}$ , $\frac{1}{4}$ , $\frac{3}{8}$ , $\frac{1}{2}$ and $\frac{3}{4}$ in., for 211674 and 211675 ..... |
| 211672 | 12092 | Throat Plate, 46 needle hole, for needle sizes 16 and 18, in gauges $\frac{1}{8}$ , $\frac{1}{4}$ , $\frac{3}{8}$ , $\frac{1}{2}$ and $\frac{3}{4}$ in., for 211674 and 211675 ..... |
| 211677 | 12093 | Throat Plate, 46 needle hole, for needle sizes 16 and 18, in gauges $\frac{1}{8}$ , $\frac{1}{4}$ , $\frac{3}{8}$ and $\frac{1}{2}$ in., for 211679 and 211680 .....                 |
| 211682 | 12093 | Throat Plate, 46 needle hole, for needle sizes 16 and 18, in gauges $\frac{1}{8}$ and $\frac{1}{4}$ in., for 211684 and 211685                                                       |

| No.    | Plate | Name                                                                                                                                                                              |
|--------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 211715 | 12099 | Throat Plate, 50 needle hole, for needle sizes 14 and 15, in gauges from $\frac{1}{16}$ to $\frac{1}{8}$ in., in steps of $\frac{1}{32}$ in., for 211717 and 211718 .....         |
| 211716 | 12099 | Throat Plate, 46 needle hole, for needle sizes 16 and 18, in gauges from $\frac{1}{16}$ to $\frac{1}{8}$ in., in steps of $\frac{1}{32}$ in., for 211717 and 211718 .....         |
| 211720 | 12099 | Throat Plate, 46 needle hole, for needle sizes 16 and 18, in gauges from $\frac{1}{16}$ to $\frac{1}{8}$ in., in steps of $\frac{1}{32}$ in., for 211721 and 211722 .....         |
| 211724 | 12100 | Throat Plate, 46 needle hole, for needle sizes 16 and 18, in gauges from $\frac{1}{16}$ to $\frac{1}{8}$ in., in steps of $\frac{1}{32}$ in., for 211725 .....                    |
| 211726 | 12100 | Throat Plate, 50 needle hole, for needle sizes 14 and 15, in gauges from $\frac{1}{16}$ to $\frac{1}{8}$ in., in steps of $\frac{1}{32}$ in., for 211726, 211728 and 211729 ..... |
| 211727 | 12100 | Throat Plate, 46 needle hole, for needle sizes 16 and 18, in gauges from $\frac{1}{16}$ to $\frac{1}{8}$ in., in steps of $\frac{1}{32}$ in., for 211729 .....                    |
| 211731 | 12100 | Throat Plate, 46 needle hole, for needle sizes 16 and 18, in gauges from $\frac{1}{16}$ to $\frac{1}{8}$ in., in steps of $\frac{1}{32}$ in., for 211732 and 211733 .....         |
| 211748 | 13148 | Throat Plate, 46 needle hole, for needle sizes 16 and 18, in gauges from $\frac{1}{16}$ to $\frac{1}{8}$ in., in steps of $\frac{1}{32}$ in., for 211010 .....                    |
| 211759 | 13148 | Throat Plate, 50 needle hole, for needle sizes 14 and 15, in gauges $\frac{1}{16}$ , $\frac{1}{8}$ , $\frac{1}{4}$ and $\frac{1}{2}$ in., for 211761 and 211762 .....             |
| 211760 | 13148 | Throat Plate, 46 needle hole, for needle sizes 16 and 18, in gauges $\frac{1}{16}$ , $\frac{1}{8}$ , $\frac{1}{4}$ and $\frac{1}{2}$ in., for 211761 and 211762 .....             |
| 211764 | 12104 | Throat Plate, 46 needle hole, for needle sizes 16 and 18, in gauges $\frac{1}{16}$ , $\frac{1}{8}$ , $\frac{1}{4}$ and $\frac{1}{2}$ in., for 211765, 211766 and 211933 .....     |
| 211768 | 12104 | Throat Plate, 46 needle hole, for needle sizes 16 and 18, in $\frac{1}{2}$ in. gauge, for 211769, 211770 and 211934 .....                                                         |

| No.    | Plate | Name                                                                                                                                                  |
|--------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| 211879 | 13147 | Throat Plate, 50 needle hole, for needle sizes 14 and 15, in gauges $\frac{1}{16}$ , $\frac{1}{8}$ and $\frac{1}{4}$ in., for 211298 and 211995 ..... |

## FOR MACHINE No. 22w113

|        |       |                                                                                                                            |
|--------|-------|----------------------------------------------------------------------------------------------------------------------------|
| 211050 | 11813 | Throat Plate, 46 needle hole, for needle sizes 16 and 18, in gauges $\frac{1}{16}$ and $\frac{1}{8}$ in., for 212571 ..... |
| 211053 | 11813 | Throat Plate, 50 needle hole, for needle sizes 14 and 15, in gauges $\frac{1}{16}$ and $\frac{1}{8}$ in., for 236411 ..... |
| 211054 | 11813 | Throat Plate, 46 needle hole, for needle sizes 16 and 18, in gauges $\frac{1}{16}$ and $\frac{1}{8}$ in., for 236411 ..... |
| 211057 | 11813 | Throat Plate, 50 needle hole, for needle sizes 14 and 15, in gauges $\frac{1}{16}$ and $\frac{1}{8}$ in., for 236419 ..... |
| 211058 | 11813 | Throat Plate, 46 needle hole, for needle sizes 16 and 18, in gauges $\frac{1}{16}$ and $\frac{1}{8}$ in., for 236419 ..... |
| 211060 | 11814 | Throat Plate, 50 needle hole, for needle sizes 14 and 15, in gauges $\frac{1}{16}$ and $\frac{1}{8}$ in., for 236423 ..... |
| 211061 | 11814 | Throat Plate, 46 needle hole, for needle sizes 16 and 18, in gauges $\frac{1}{16}$ and $\frac{1}{8}$ in., for 236423 ..... |
| 211063 | 11814 | Throat Plate, 50 needle hole, for needle sizes 14 and 15, in gauges $\frac{1}{16}$ and $\frac{1}{8}$ in., for 212474 ..... |
| 211064 | 11814 | Throat Plate, 46 needle hole, for needle sizes 16 and 18, in gauges $\frac{1}{16}$ and $\frac{1}{8}$ in., for 212474 ..... |
| 211066 | 11814 | Throat Plate, 50 needle hole, for needle sizes 14 and 15, in gauges $\frac{1}{16}$ and $\frac{1}{8}$ in., for 212169 ..... |
| 211067 | 11814 | Throat Plate, 46 needle hole, for needle sizes 16 and 18, in gauges $\frac{1}{16}$ and $\frac{1}{8}$ in., for 212169 ..... |
| 211191 | 13148 | Throat Plate, 46 needle hole, for needle sizes 16 and 18, in $\frac{1}{2}$ in. gauge, for 211298 and 211995 ..             |
| 211614 | 11813 | Throat Plate, 50 needle hole, for needle sizes 14 and 15, in gauges $\frac{1}{16}$ and $\frac{1}{8}$ in., for 212571 ..... |

| No.    | Plate | Name                                                                                                                                                                                           |
|--------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 211666 | 12092 | Throat Plate, 50 needle hole, for needle sizes 14 and 15, in gauges $\frac{3}{8}$ , $\frac{13}{16}$ , $\frac{7}{8}$ , $\frac{15}{16}$ and $\frac{1}{2}$ in., for 211669 and 211670 .....       |
| 211667 | 12092 | Throat Plate, 46 needle hole, for needle sizes 16 and 18, in gauges $\frac{3}{8}$ , $\frac{13}{16}$ , $\frac{7}{8}$ , $\frac{15}{16}$ and $\frac{1}{2}$ in., for 211669 and 211670 .....       |
| 211671 | 12092 | Throat Plate, 50 needle hole, for needle sizes 14 and 15, in gauges $\frac{1}{2}$ , $\frac{11}{16}$ , $\frac{3}{4}$ , $\frac{13}{16}$ and $\frac{5}{8}$ in., for 211674 and 211675 .....       |
| 211672 | 12092 | Throat Plate, 46 needle hole, for needle sizes 16 and 18, in gauges $\frac{1}{2}$ , $\frac{11}{16}$ , $\frac{3}{4}$ , $\frac{13}{16}$ and $\frac{5}{8}$ in., for 211674 and 211675 .....       |
| 211677 | 12093 | Throat Plate, 46 needle hole, for needle sizes 16 and 18, in gauges $\frac{11}{16}$ , $\frac{3}{4}$ , $\frac{13}{16}$ and $\frac{1}{2}$ in., for 211679 and 211680 .....                       |
| 211682 | 12093 | Throat Plate, 46 needle hole, for needle sizes 16 and 18, in gauges $\frac{3}{4}$ and $\frac{7}{8}$ in., for 211684 and 211685 .....                                                           |
| 211748 | 13148 | Throat Plate, 46 needle hole, for needle sizes 16 and 18, in gauges from $\frac{1}{8}$ to $\frac{3}{4}$ in., in steps of $\frac{1}{16}$ in., for 211010 .....                                  |
| 211759 | 13148 | Throat Plate, 50 needle hole, for needle sizes 14 and 15, in gauges $\frac{1}{2}$ , $\frac{11}{16}$ , $\frac{3}{4}$ , $\frac{13}{16}$ and $\frac{5}{8}$ in., for 211761 and 211762 .....       |
| 211760 | 13148 | Throat Plate, 46 needle hole, for needle sizes 16 and 18, in gauges $\frac{1}{2}$ , $\frac{11}{16}$ , $\frac{3}{4}$ , $\frac{13}{16}$ and $\frac{5}{8}$ in., for 211761 and 211762 .....       |
| 211764 | 12104 | Throat Plate, 46 needle hole, for needle sizes 16 and 18, in gauges $\frac{3}{8}$ , $\frac{13}{16}$ , $\frac{5}{8}$ , $\frac{3}{4}$ and $\frac{1}{2}$ in., for 211765, 211766 and 211933 ..... |
| 211768 | 12104 | Throat Plate, 46 needle hole, for needle sizes 16 and 18, in $\frac{7}{8}$ in. gauge, for 211769 .....                                                                                         |
| 211859 | 13148 | Throat Plate, 46 needle hole, for needle sizes 16 and 18, in $\frac{1}{2}$ in. gauge, for 211652 .....                                                                                         |
| 211879 | 13147 | Throat Plate, 50 needle hole, for needle sizes 14 and 15, in gauges $\frac{3}{8}$ , $\frac{1}{2}$ and $\frac{5}{8}$ in., for 211298 and 211995 .....                                           |

| No.    | Plate | Name                                                                                                   |
|--------|-------|--------------------------------------------------------------------------------------------------------|
| 212091 | 13149 | Throat Plate, 46 needle hole, for needle sizes 16 and 18, in $\frac{1}{2}$ in. gauge, for 211904 ..... |

## FOR MACHINE No. 22w133

|        |       |                                                                                                        |
|--------|-------|--------------------------------------------------------------------------------------------------------|
| 211771 | 13149 | Throat Plate, 50 needle hole, for needle sizes 14 and 15, in $\frac{3}{8}$ in. gauge, for 212836 ..... |
| 213893 | 13149 | Throat Plate, 50 needle hole, for needle sizes 14 and 15, in $\frac{1}{2}$ in. gauge, for 213894 ..... |

## FOR MACHINE No. 22w207

|        |       |                                                                                                                                                               |
|--------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 222212 | 13149 | Throat Plate, 40 needle hole, for needle sizes 20 and 22, in gauges from $\frac{1}{4}$ to $\frac{3}{8}$ in., in steps of $\frac{1}{16}$ in., for 211754 ..... |
| 212242 | 13149 | Throat Plate, 40 needle hole, for needle sizes 20 and 22, in $\frac{3}{4}$ in. gauge, for 231516 .....                                                        |
| 231449 | 13149 | Throat Plate, 31 needle hole, for needle sizes 25 and 26, in gauges from $\frac{1}{8}$ to $\frac{3}{4}$ in., in steps of $\frac{1}{16}$ in., for 231448 ..... |
| 231438 | 13138 | Throat Plate, 31 needle hole, for needle sizes 25 and 26, in gauges from $\frac{1}{4}$ to $\frac{3}{8}$ in., in steps of $\frac{1}{16}$ in., for 211754 ..... |

## MISCELLANEOUS PARTS

Used in conjunction with Thread Unwinder

|        |       |                                |
|--------|-------|--------------------------------|
| 60913  | 14083 | Spool Weight with 60914 .....  |
| 60914  | ----- | " " Center Pin .....           |
| 225377 | 14083 | " Wire, for small spools ..... |

## OBSOLETE PARTS

| No.     | Plate | Name                                                                                                                                                                                    |
|---------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 222206  | 13150 | Balance Wheel Locking Pin, for Machine No. 22w207 .....                                                                                                                                 |
| 202470  | 12320 | Bobbin Winder Base .....                                                                                                                                                                |
| 202471  | 12320 | " " Frame .....                                                                                                                                                                         |
| 202472  | 12319 | " " Spring .....                                                                                                                                                                        |
| 202474  | 12320 | " " Spindle .....                                                                                                                                                                       |
| 202477  | 12319 | " " Stop Latch Thumb Lever .....                                                                                                                                                        |
| 202480  | 12320 | Bobbin Winder Spool Holder Base with 200355u and 202484 .....                                                                                                                           |
| 202481  | 12320 | Bobbin Winder Spool Holder Base Spool Pin .....                                                                                                                                         |
| 202482  | 12319 | Bobbin Winder Spool Holder Tension Disc (lower or upper) ....                                                                                                                           |
| 202483  | 12319 | Bobbin Winder Spool Holder Tension Disc Spring (brass) .....                                                                                                                            |
| 202484  | 12319 | Bobbin Winder Spool Holder Tension Disc Thread Guide .....                                                                                                                              |
| 202485  | 12320 | Bobbin Winder Spool Holder complete, Nos. 200011e, 202480, 202481, 202483, two 202482 and one wood screw 1 in., No. 13 ...                                                              |
| 227522  | 12319 | Bobbin Winder Stop Latch .....                                                                                                                                                          |
| 227523  | 12320 | Bobbin Winder complete, Nos. 200056e, 200161d, 200221d, 201537u, 202470 to 202474, 202477, 202478, 227522, three 200299u and two round head wood screws $\frac{3}{4}$ in., No. 13 ..... |
| 213110  | —     | Face Plate with 200366u, 202087, 204185, 204730, two each 202090, 204281, three each 200368u and 200397u, for 213111 .....                                                              |
| 213111  | 13137 | Face Plate complete, Nos. 200577u, 204731, 204795, 213110, two each 204059 and 206639, for Machine No. 22w207 .....                                                                     |
| *213605 | —     | Feed Driving Cam Fork Lever Slide Block .....                                                                                                                                           |
| *213604 | —     | Feed Driving Cam Fork Lever Slide Block with 200116c .....                                                                                                                              |
| 213606  | 13041 | Feed Driving Cam Fork Lever Slide Block 213604 with 213605 .....                                                                                                                        |

| No.    | Plate | Name                                                                                                                                                                                                                                       |
|--------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 203250 | 11007 | Hook Driving Shaft Collar with two 200393c .....                                                                                                                                                                                           |
| 204870 | 12333 | Needle Bar (hollow), for all Machines except No. 22w38 .....                                                                                                                                                                               |
| 229663 | 11802 | Needle Bar (hollow), for Machine No. 22w38 .....                                                                                                                                                                                           |
| 204792 | 10486 | Needle Bar Connecting Link with 200188c, for Machine No. 22w207 .....                                                                                                                                                                      |
| 203703 | 12164 | Needle Holder, in gauges $\frac{3}{16}$ , $\frac{1}{4}$ and $\frac{5}{16}$ in., with 200068u and two 200141e, for Machines Nos. 22w23, 22w25 and 22w111 .....                                                                              |
| 203704 | 12332 | Needle Holder, in gauges from $\frac{3}{16}$ to $\frac{1}{2}$ in., in steps of $\frac{1}{32}$ in., with 200068u and two 200141e, for Machines Nos. 22w23, 22w111 and 22w133 .....                                                          |
| 203705 | 13150 | Needle Holder, in gauges from $\frac{1}{16}$ to $\frac{3}{4}$ in., in steps of $\frac{1}{8}$ in., with 200068u and two 200141e, for Machine No. 22w111 .....                                                                               |
| 203714 | 13150 | Needle Holder, in gauges $\frac{1}{4}$ and $\frac{5}{16}$ in., with 200068u and two 200141e, for Machine No. 22w113 .....                                                                                                                  |
| 213896 | 13150 | Needle Holder, in gauges from $\frac{3}{16}$ to $\frac{1}{2}$ in., in steps of $\frac{1}{32}$ in., with 200068u and two 200141e, for Machine No. 22w113 .....                                                                              |
| 213897 | 13150 | Needle Holder, in gauges from $\frac{1}{16}$ to $\frac{3}{4}$ in., in steps of $\frac{1}{8}$ in., with 200068u and two 200141e, for Machine No. 22w113 .....                                                                               |
| 213918 | 13150 | Needle Holder, in gauges from $\frac{3}{16}$ to $\frac{3}{4}$ in., in steps of $\frac{1}{32}$ in., for trimming .060 and .085 in., with 200068u, 200141e and 200389c, for Needle Bar 204870, for Machine No. 22w38 .....                   |
| 229665 | 13150 | Needle Holder, in gauges from $\frac{3}{16}$ to $\frac{3}{8}$ in., in steps of $\frac{1}{32}$ in., for trimming .035, .045, .060, .085 and .125 in., with 200141e, 200389c and two 200581u, for Needle Bar 229663, for Machine No. 22w38.. |
| 213100 | 11868 | Take-up Cam Key, for Machine No. 22w207 .....                                                                                                                                                                                              |
| 206639 | —     | Tension complete, Nos. 200632u, 201572u, 202407, 204271 and two 202402 .....                                                                                                                                                               |

| No.    | Plate | Name                                                                           |
|--------|-------|--------------------------------------------------------------------------------|
| 215612 | —     | Vibrating Presser Bar, for 204489..                                            |
| 204489 | 13041 | " " " 215612 with<br>204493 and two 200138d, for Ma-<br>chine No. 22w113 ..... |
| 215628 | —     | Vibrating Presser Bar, for 204488..                                            |
| 204488 | 13041 | " " " 215628 with<br>204493 and two 200138d, for Ma-<br>chine No. 22w113 ..... |
| 204492 | 13041 | Vibrating Presser Bar Position<br>Guide, for Machine No. 22w113..              |
| 204625 | 13041 | Vibrating Presser Foot, for Ma-<br>chine No. 22w113 .....                      |
| 204631 | 13041 | Vibrating Presser Foot, for Ma-<br>chine No. 22w113 .....                      |
| 204635 | 13150 | Vibrating Presser Foot, for Ma-<br>chine No. 22w113 .....                      |
| 229643 | 14004 | Vibrating Presser Foot, for Ma-<br>chine No. 22w113 .....                      |
| 229647 | 14067 | Vibrating Presser Foot, for Ma-<br>chine No. 22w113 .....                      |

## NUMERICAL LIST OF PARTS

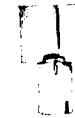
| No.     | Plate | Name                                                                                    |
|---------|-------|-----------------------------------------------------------------------------------------|
| 208E    | 13138 | Thread Unwinder Thread Guide<br>Rod Screw, for 224392 .....                             |
| 2102    | 10881 | Bobbin Winder Tension Disc, for<br>225462 .....                                         |
| 36578   | 12345 | Oiler with 36579 .....                                                                  |
| 36579   | 12345 | " Spout, 3½ in. long, with 120117,<br>for 36578 .....                                   |
| 41400   | 12345 | Machine Rest Pin (wood) .....                                                           |
| 60913   | 14083 | Spool Weight with 60914 .....                                                           |
| 60914   | —     | " " Center Pin, for 60913                                                               |
| 120117  | —     | Oiler Spout Washer (leather), for<br>36578 .....                                        |
| 200002E | 12332 | Feed Driving Cam Fork Lever Con-<br>nection Hinge Screw, for 206554<br>and 206555 ..... |
| 200006E | 11007 | Hook Saddle Screw .....                                                                 |
| 200010E | 11044 | Arm Screw, for Machine No. 22w207                                                       |
| 200011E | 12319 | Bobbin Winder Spool Holder Ten-<br>sion Disc Screw, for 202485 ....                     |
| 200027E | 12332 | Feed Lifting Cam Fork Pinch<br>Screw, for 204202 .....                                  |
| 200031F | 12311 | Feed Driving Cam Fork Lever Con-<br>nection Clamp Pinch Screw, for<br>204194 .....      |
| 200042F | 12311 | Take-up Lever Bearing Screw, for<br>204554 and 213109 .....                             |
| 200043C | 12311 | Feed Driving Cam Fork Lever<br>Shaft Sleeve Set Screw .....                             |
| 200043C | 12311 | Feed Driving Rock Shaft Center<br>Set Screw .....                                       |
| 200043C | 12311 | Feed Lifting Rock Shaft Center<br>Set Screw .....                                       |
| 200045E | 12332 | Feed Lifting Cam Screw, for 213154                                                      |
| 200053C | 12311 | Face Plate Screw .....                                                                  |
| 200053C | 12311 | Vibrating Presser Bar Position<br>Stop Screw, for Machine No.<br>22w113 .....           |
| 200054E | 12307 | Arm Shaft Connection Screw, for<br>204440 and 204706 .....                              |
| 200056E | 10884 | Bobbin Case Lever Fulcrum Screw,<br>for 203508 .....                                    |
| 200056E | 10884 | Bobbin Winder Stop Latch Screw,<br>for 225382 and 227523 .....                          |

PLATE 10483—FULL SIZE

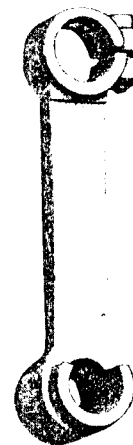
200181



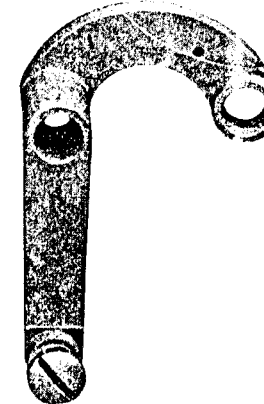
202088



204484



204475



200309



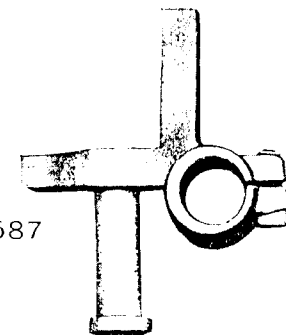
200122



200188



204480



200685 204487 200587



204478





PLATE 10486—FULL SIZE

204789



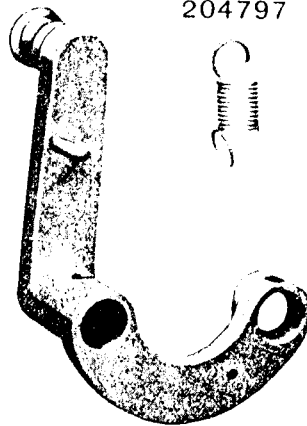
204795



204794



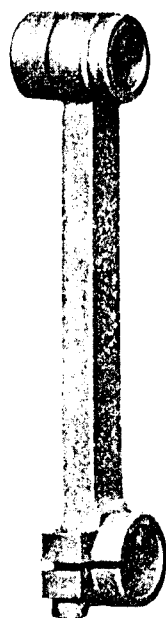
204786



204797



204792



204790

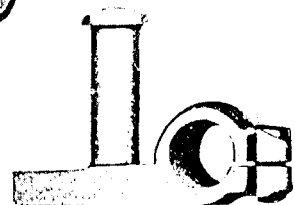
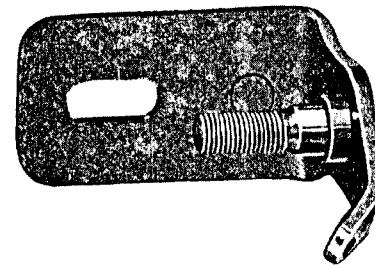


PLATE 10881—FULL SIZE

225461



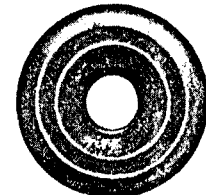
200082



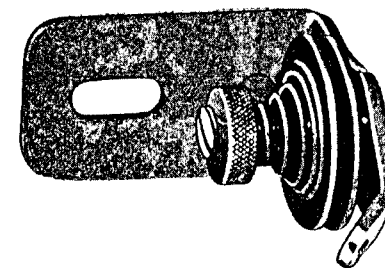
202104



2102



225462



202407



201499



201572



PLATE 10884—FULL SIZE

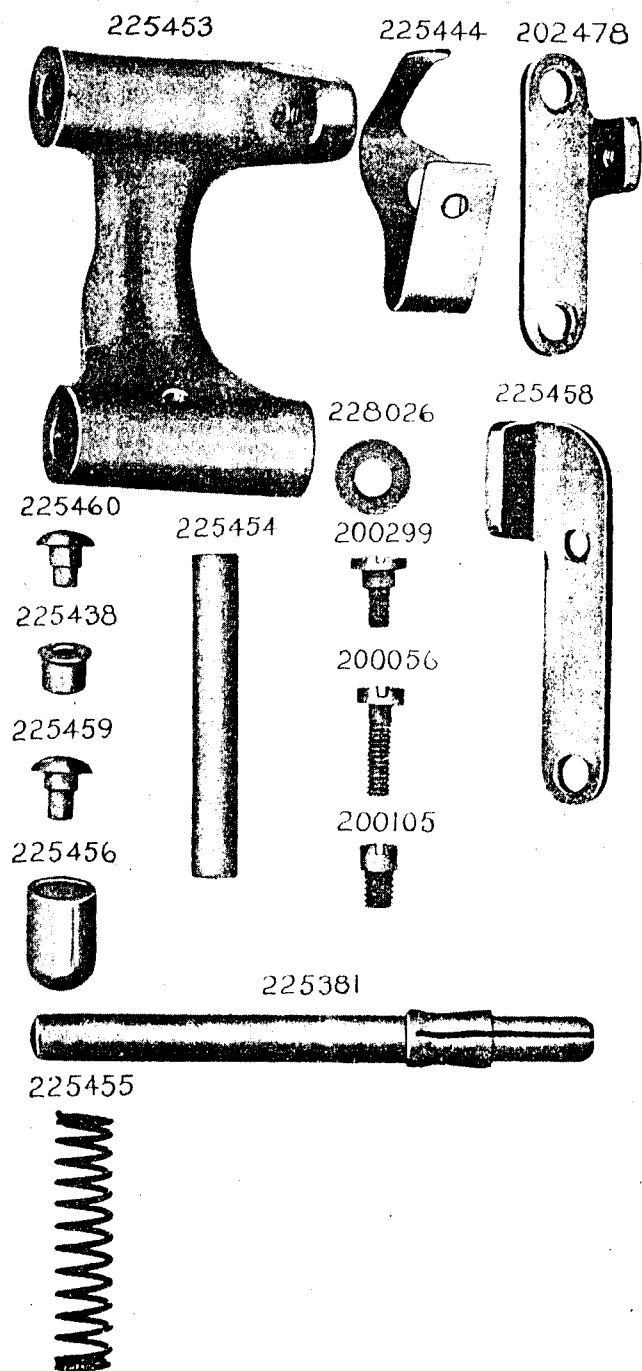


PLATE 10885—ONE-FOURTH SIZE

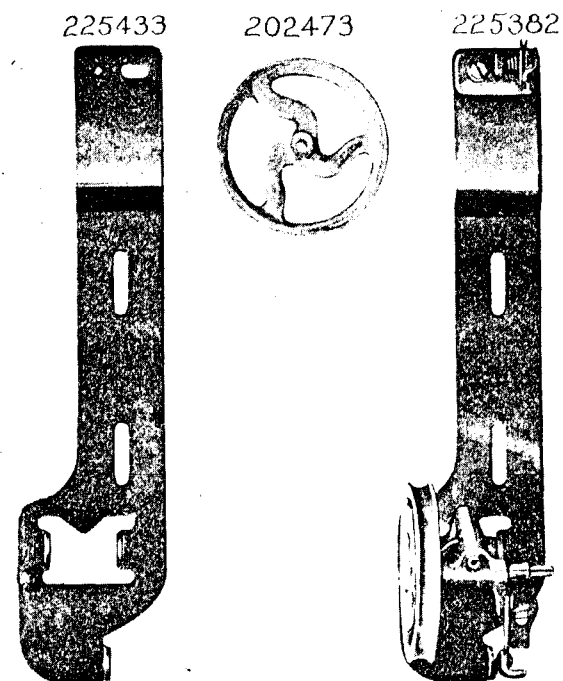


PLATE 11007—FULL SIZE

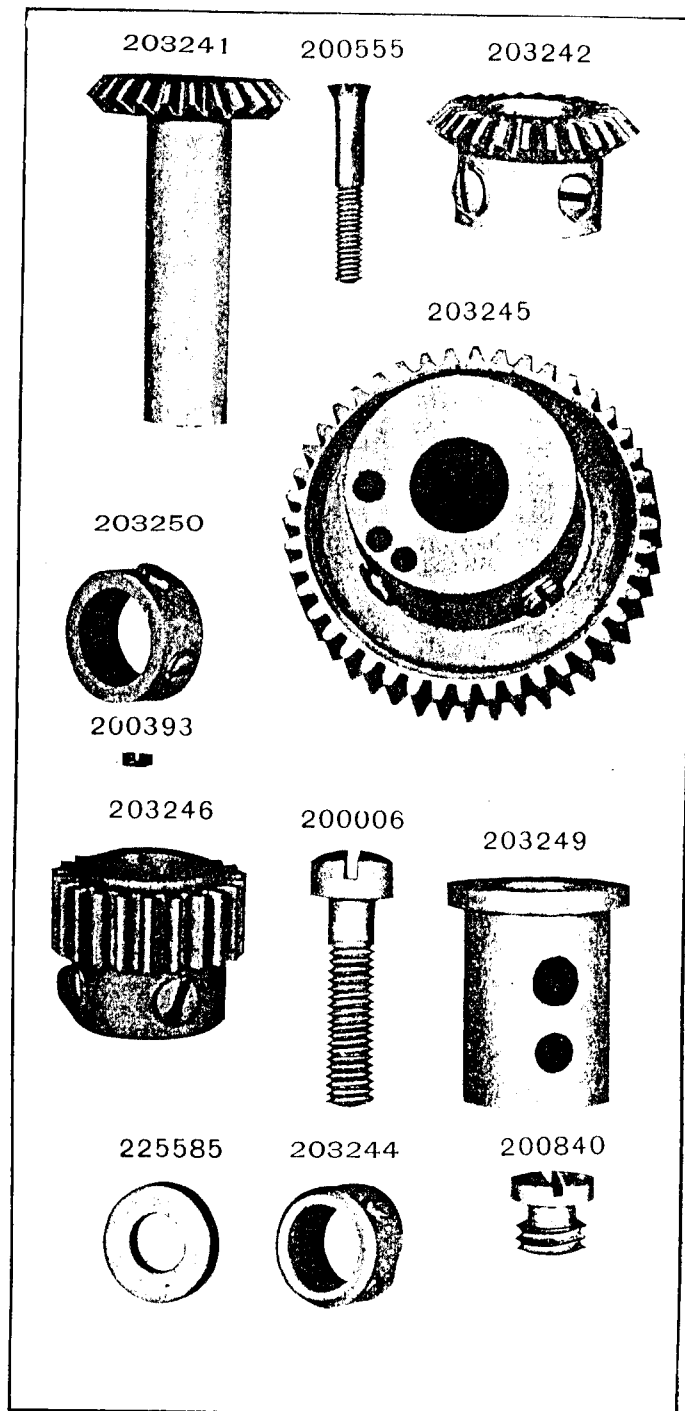


PLATE 11018—FULL SIZE

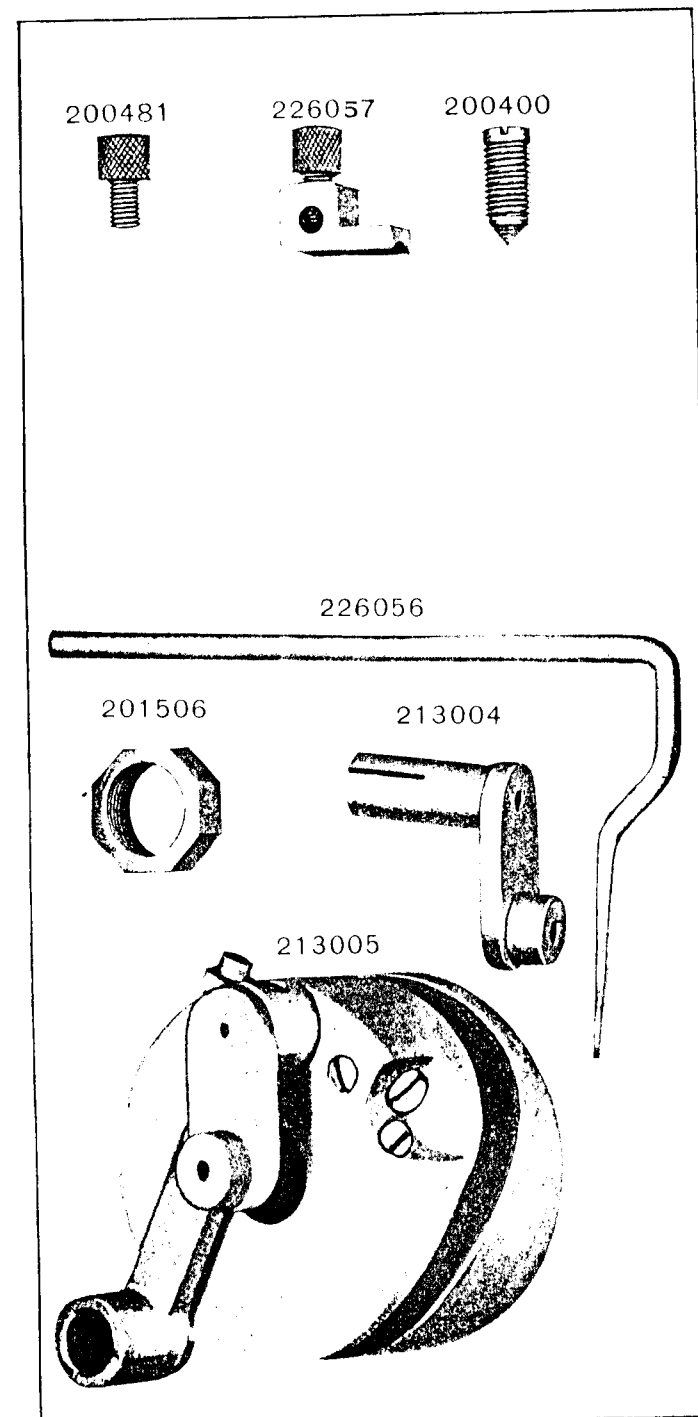


PLATE 11029—FULL SIZE

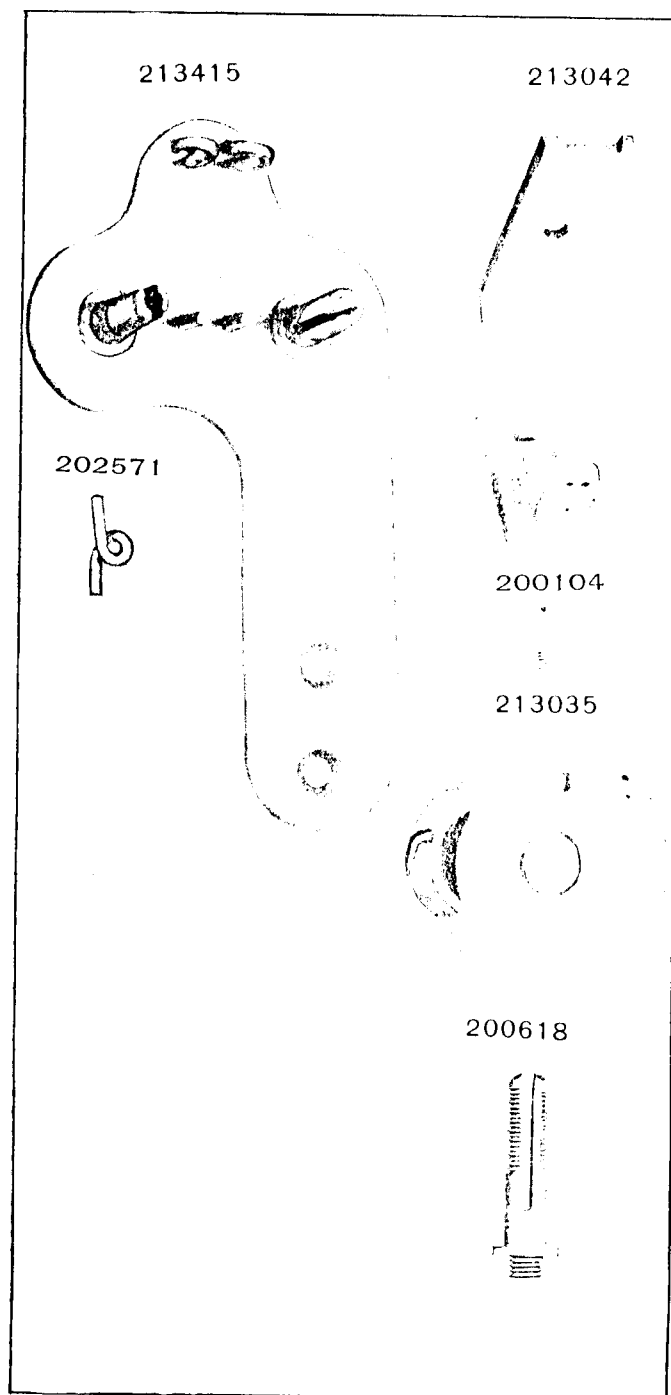


PLATE 11035—FULL SIZE

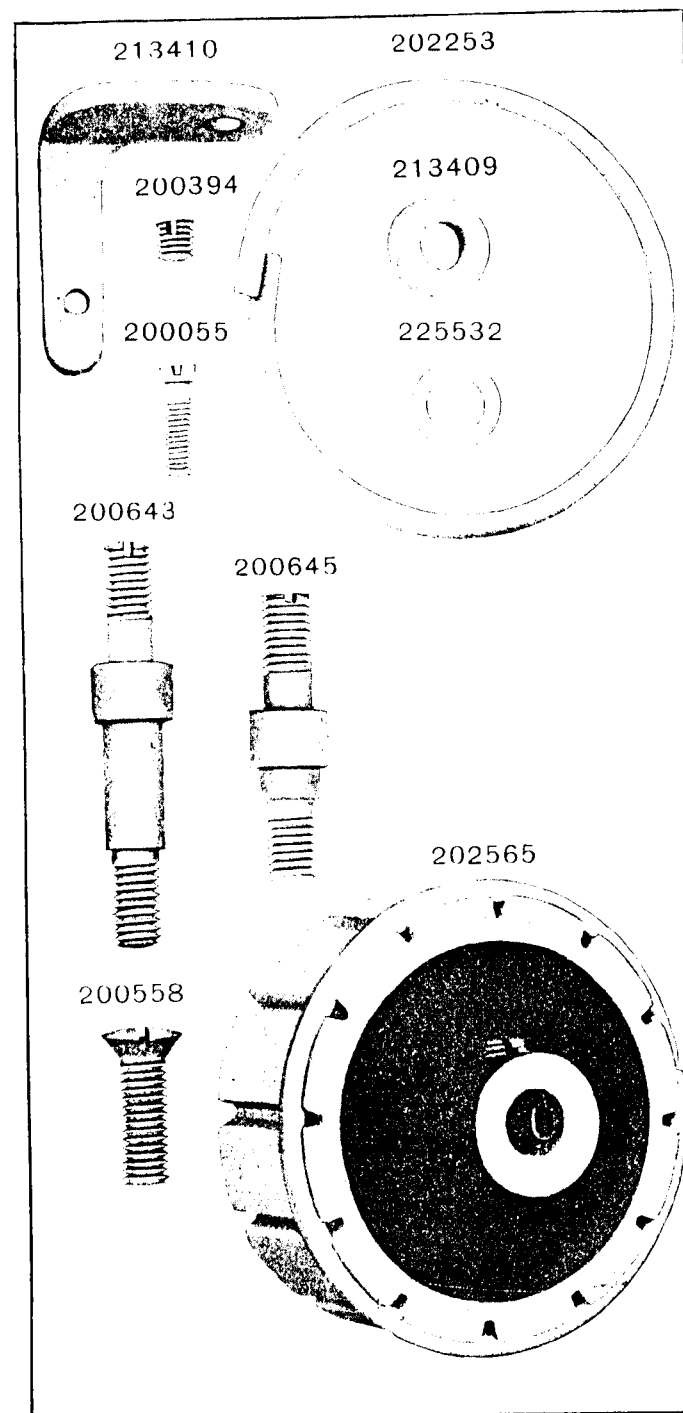


PLATE 11036—FULL SIZE

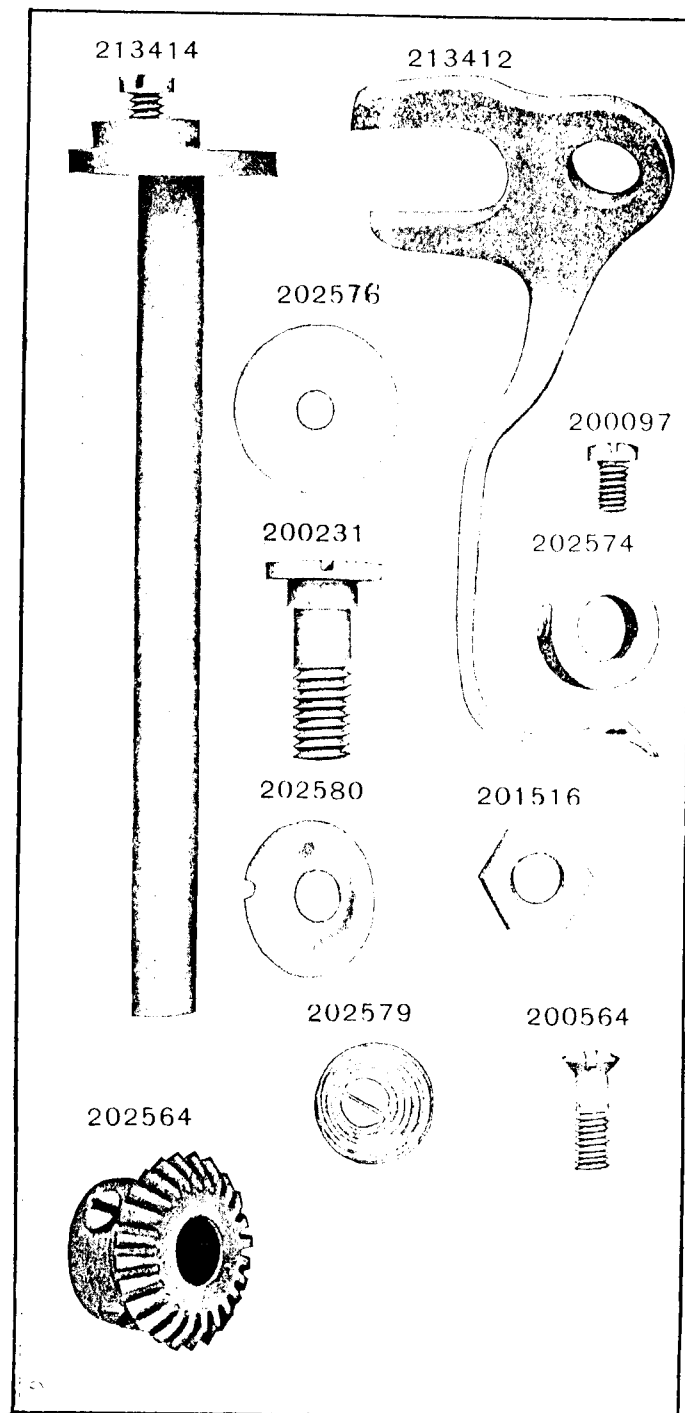


PLATE 11041—FULL SIZE

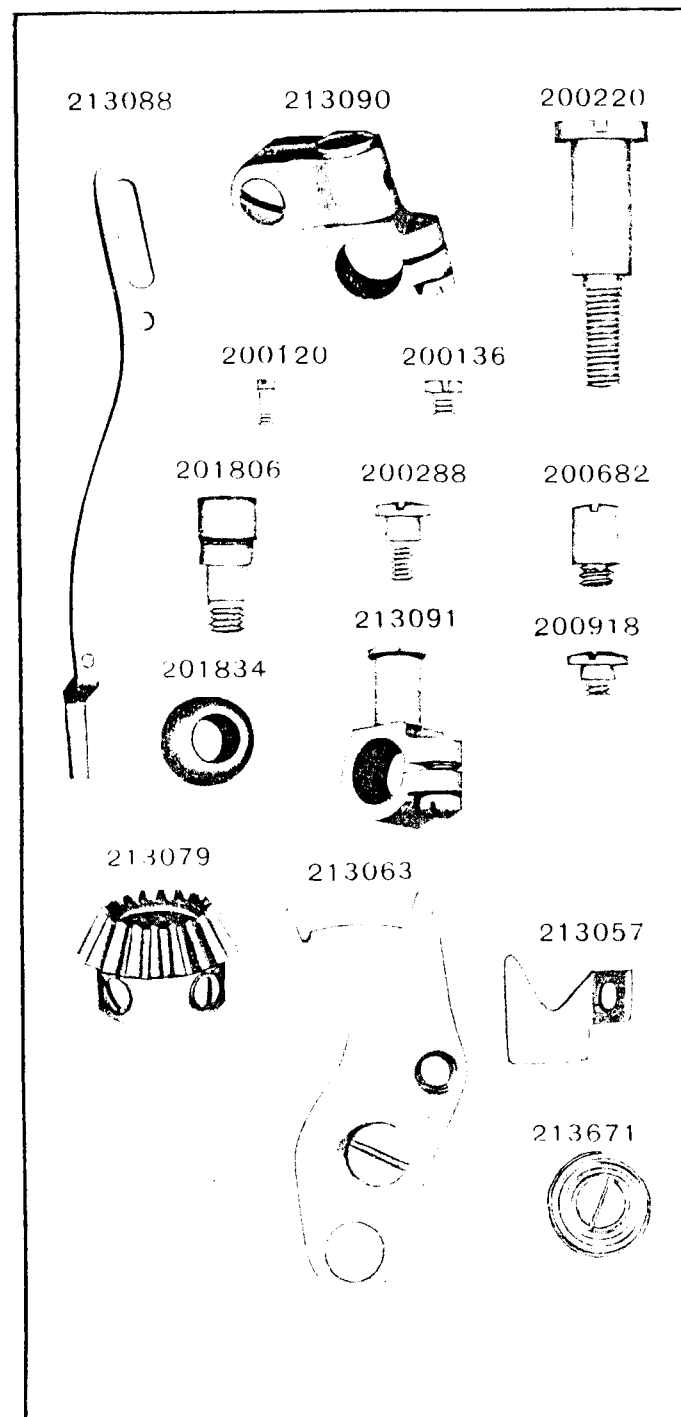


PLATE 11042—ONE-HALF SIZE

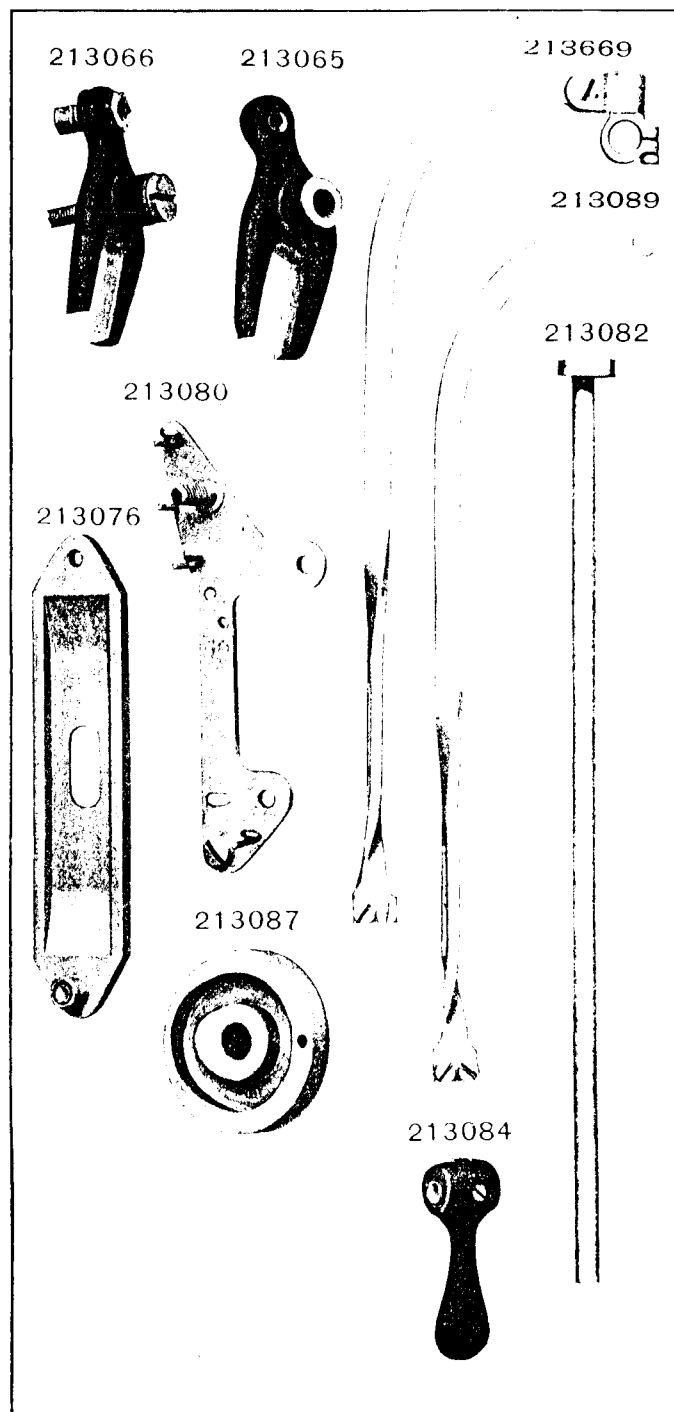


PLATE 11043—FULL SIZE

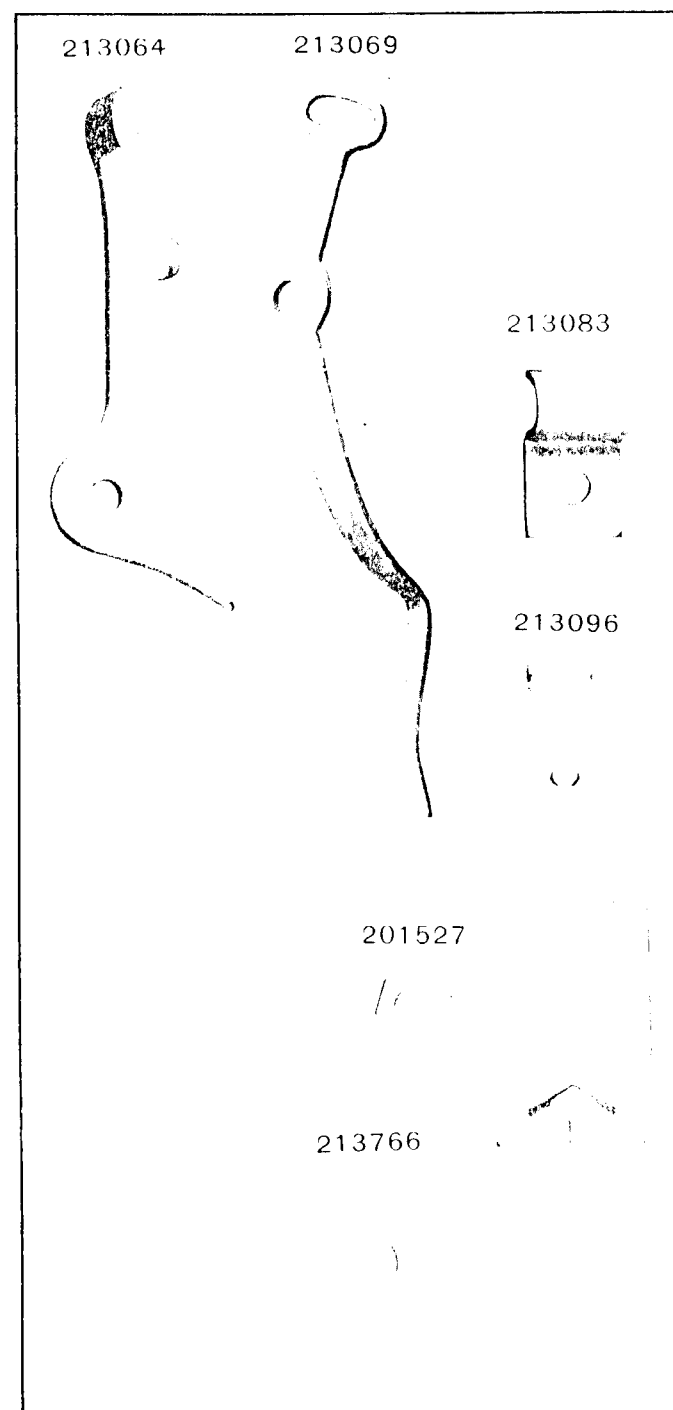


PLATE 11044—FULL SIZE

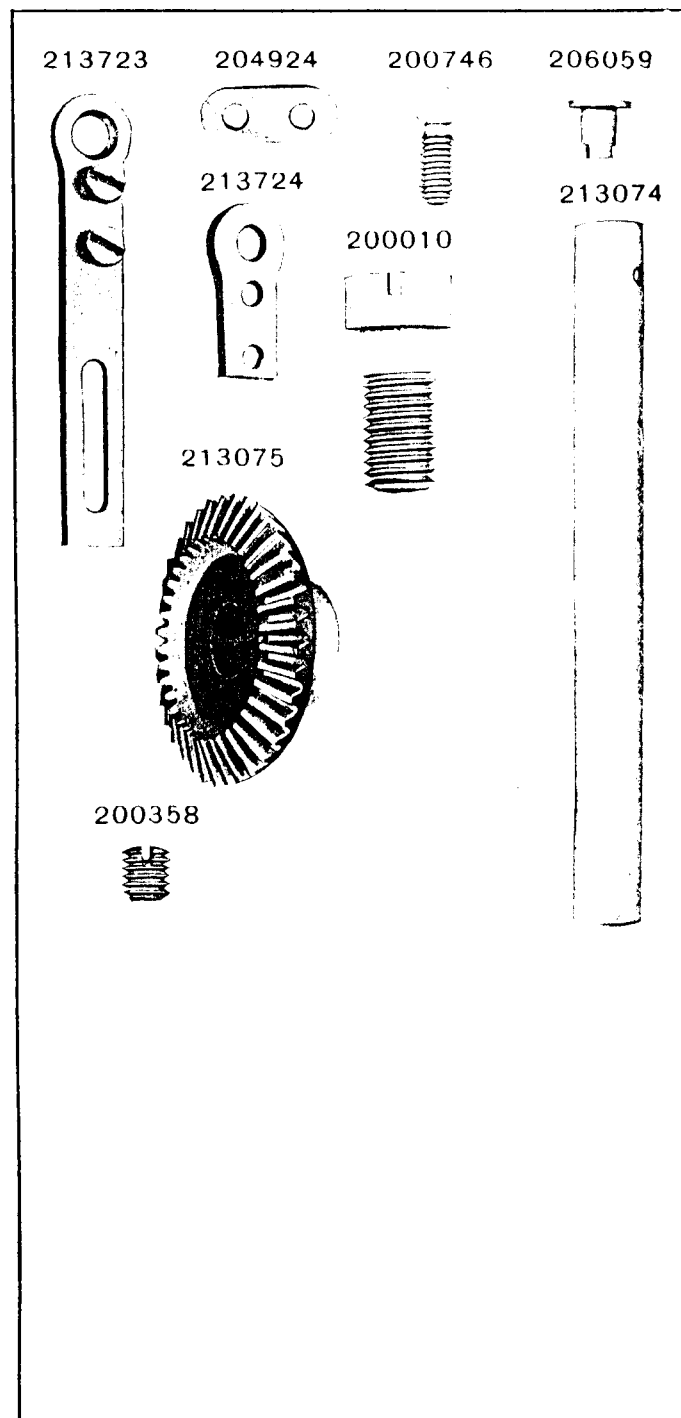


PLATE 11125 —ONE—FOURTH SIZE

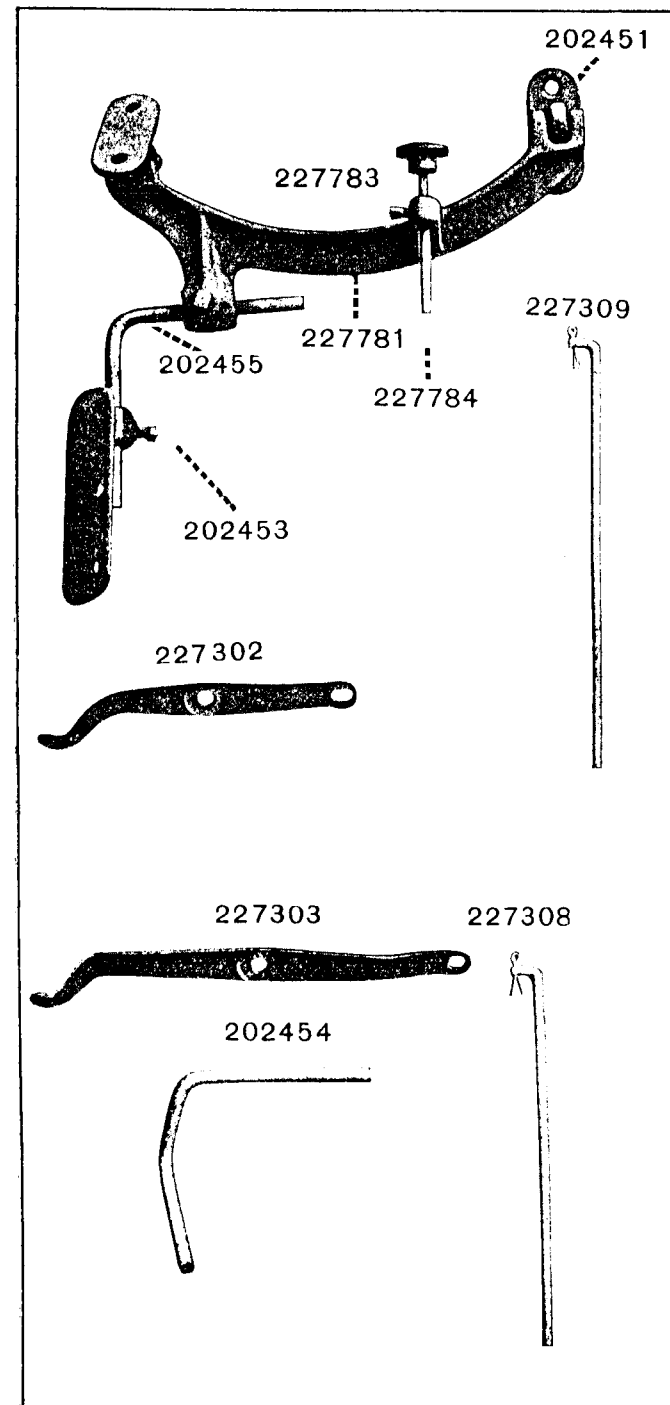


PLATE 11140 -FULL SIZE

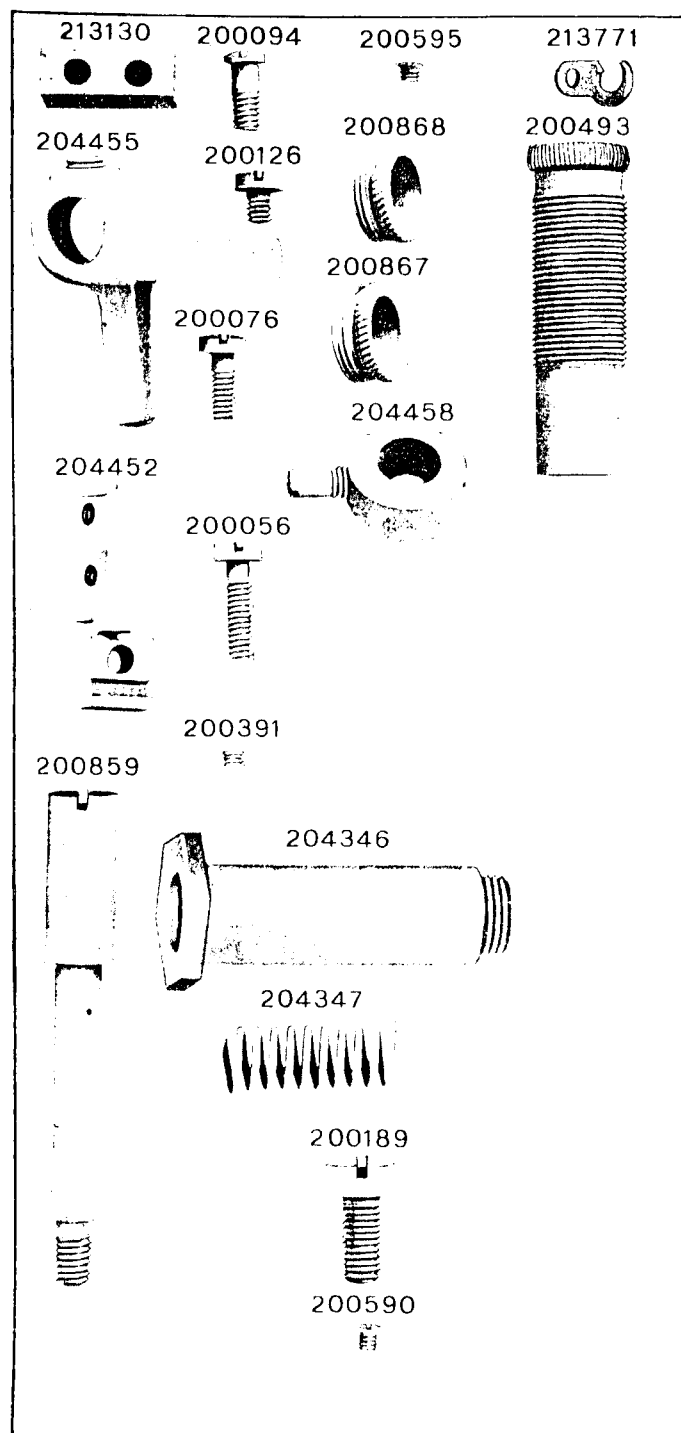


PLATE 11142 -FULL SIZE

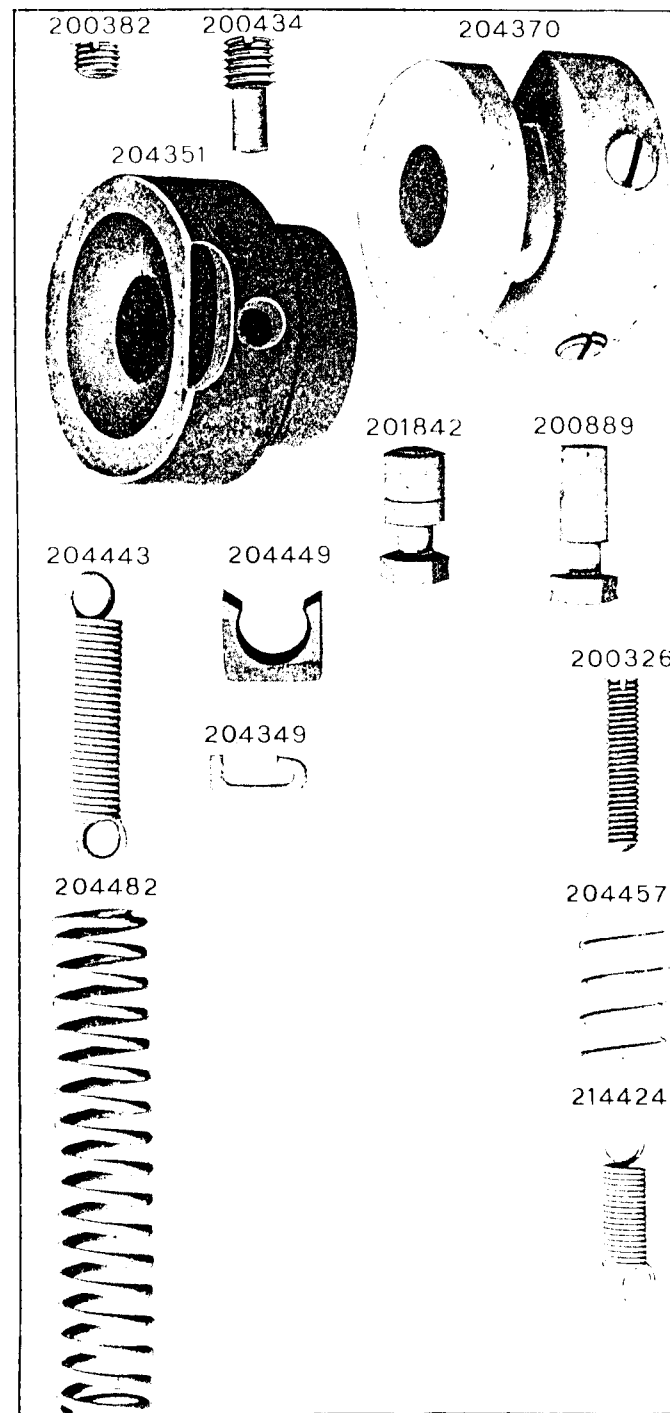




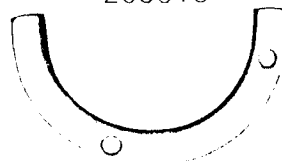
PLATE 11235—FULL SIZE

203478 200066

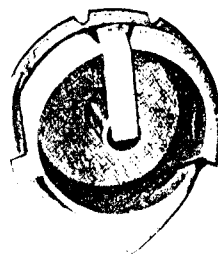


203506

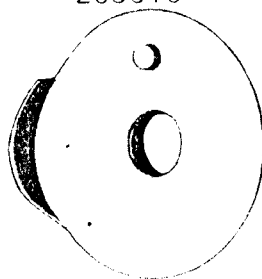
203513



203500



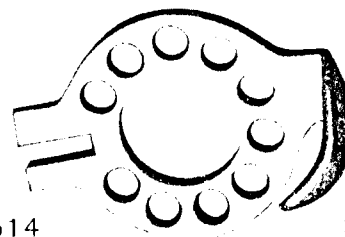
203516



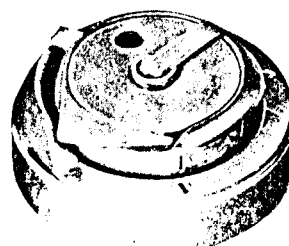
203516



203499



203514



203512

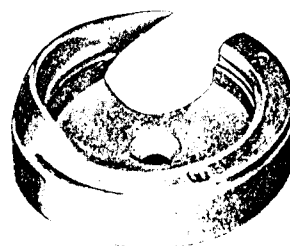
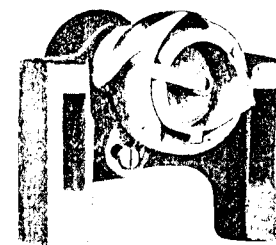
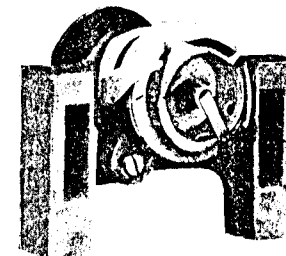


PLATE 11236—ONE-HALF SIZE

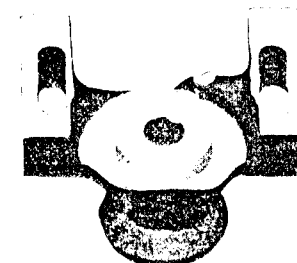
203518



203518



203508



203512



203519

No 9 OUTFIT

203499

203506

203516

203516

203470



203500



203478



213810



|                                                                                     |                                                                                   |                                                                                     |                                                                                   |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| 200075                                                                              | 201535                                                                            | 213141                                                                              | 200366                                                                            |
|    |  |    |  |
|                                                                                     |                                                                                   |                                                                                     | 230795                                                                            |
| 213032                                                                              |                                                                                   | 203454                                                                              | 200353                                                                            |
|    |                                                                                   |    |  |
| 203675                                                                              | 204270                                                                            |                                                                                     | 200330                                                                            |
|    |  |                                                                                     |  |
|                                                                                     | 200395                                                                            | 201528                                                                              |                                                                                   |
|                                                                                     |  |    |                                                                                   |
| 213639                                                                              |                                                                                   | 200396                                                                              |                                                                                   |
|   |                                                                                   |    |                                                                                   |
| 204243                                                                              |                                                                                   |                                                                                     |                                                                                   |
|  |                                                                                   |                                                                                     |                                                                                   |
| 204479                                                                              |                                                                                   |                                                                                     |                                                                                   |
|  |                                                                                   |                                                                                     |                                                                                   |
|                                                                                     |                                                                                   | 213873                                                                              |                                                                                   |
|                                                                                     |                                                                                   |  |                                                                                   |

229663

213877

202506

231390

203715

202575

203225

203329

PLATE 11803--FULL SIZE

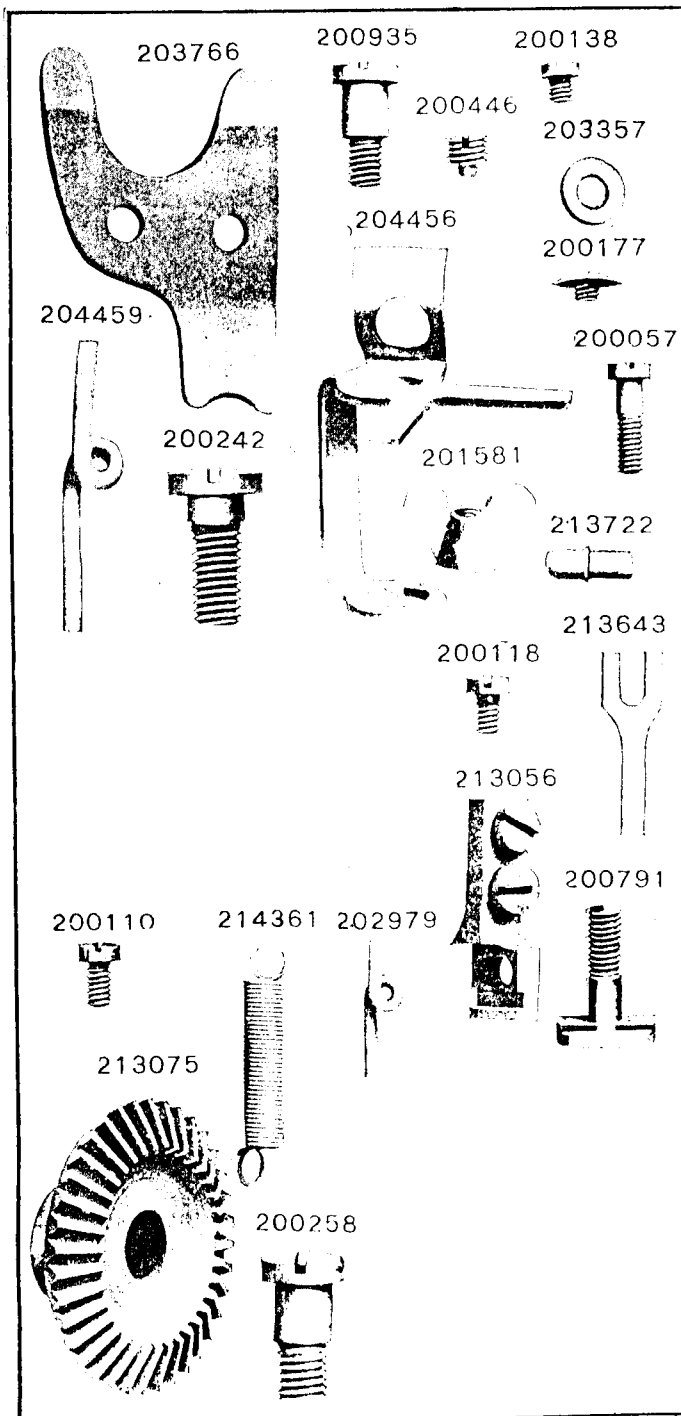


PLATE 11804--ONE-FOURTH SIZE

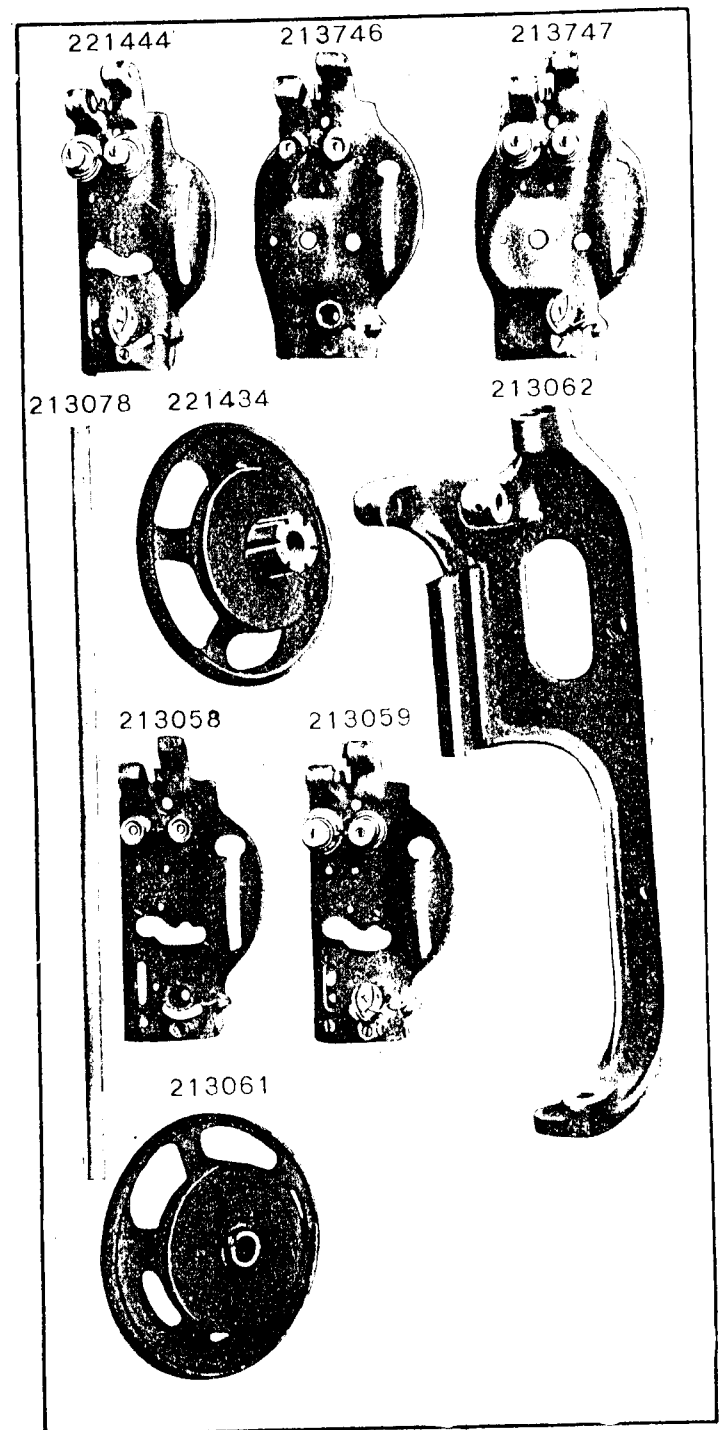


PLATE 11805 - ONE-HALF SIZE

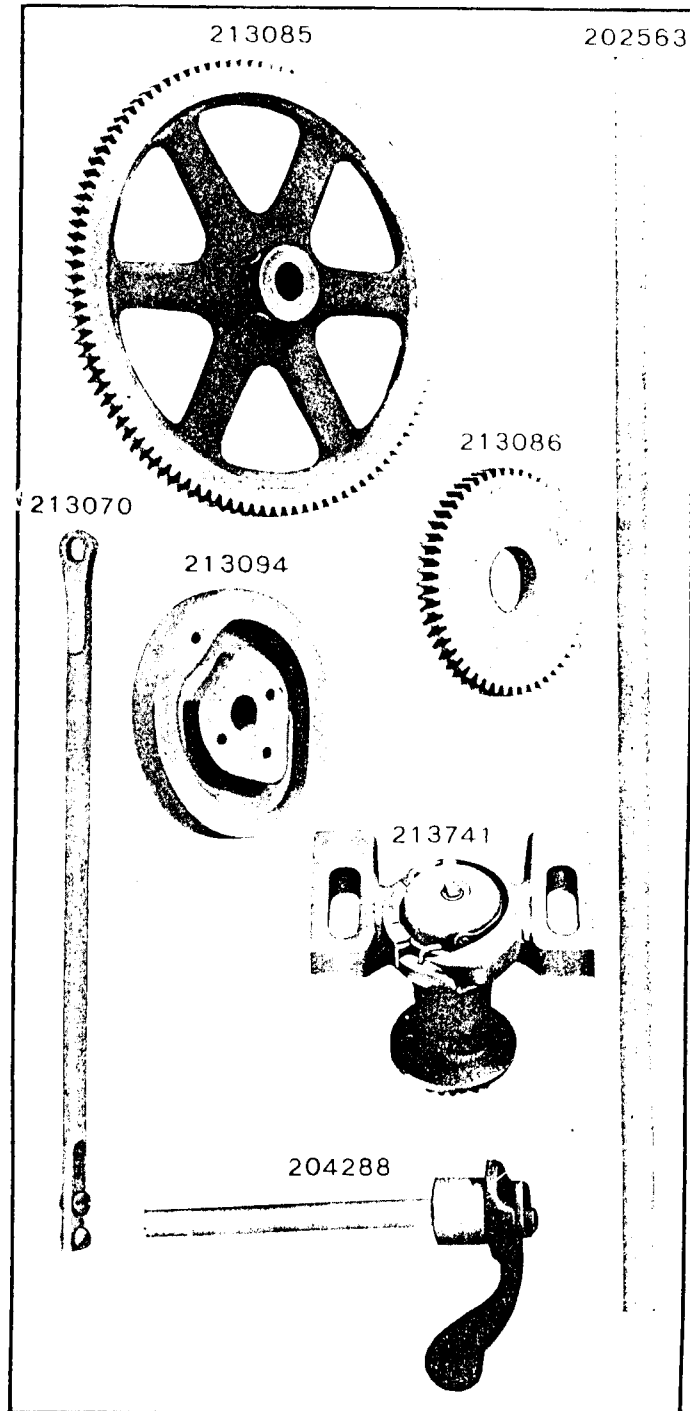


PLATE 11808 - FULL SIZE

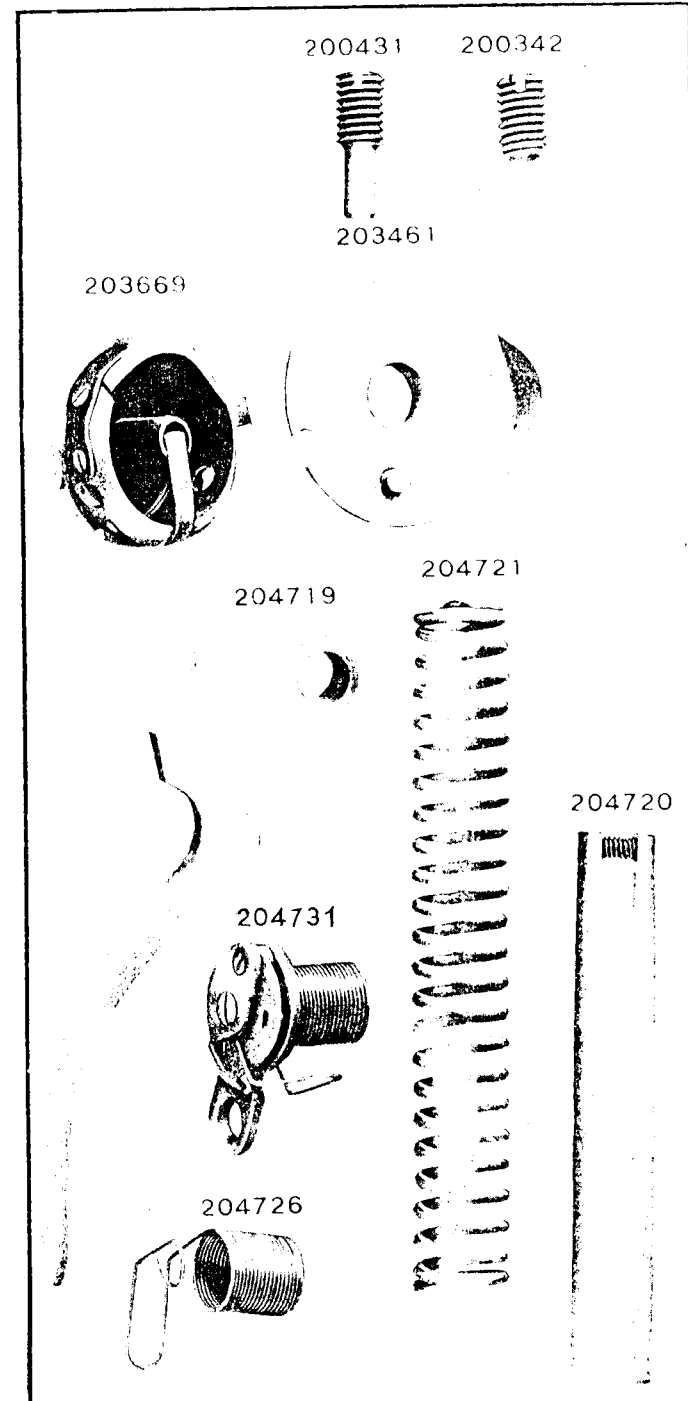
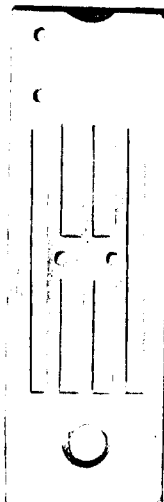
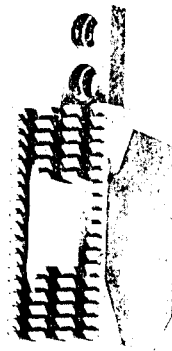


PLATE 11813 -FULL SIZE

211052  
211053  
211054



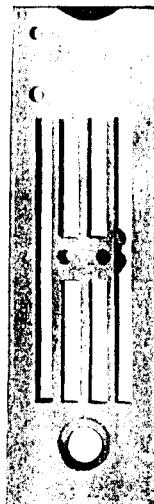
236411



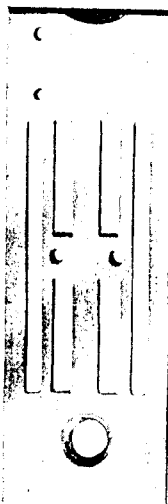
212571



211048  
211050  
211614



211056  
211057  
211058

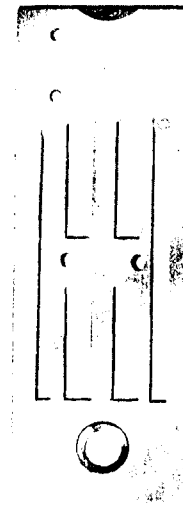


236419



PLATE 11814 -FULL SIZE

211059  
211060  
211061



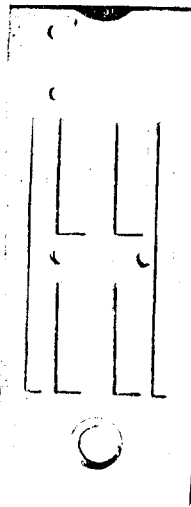
236423



212474



211062  
211063  
211064



211065  
211066  
211067



212169



PLATE 11823 -FULL SIZE

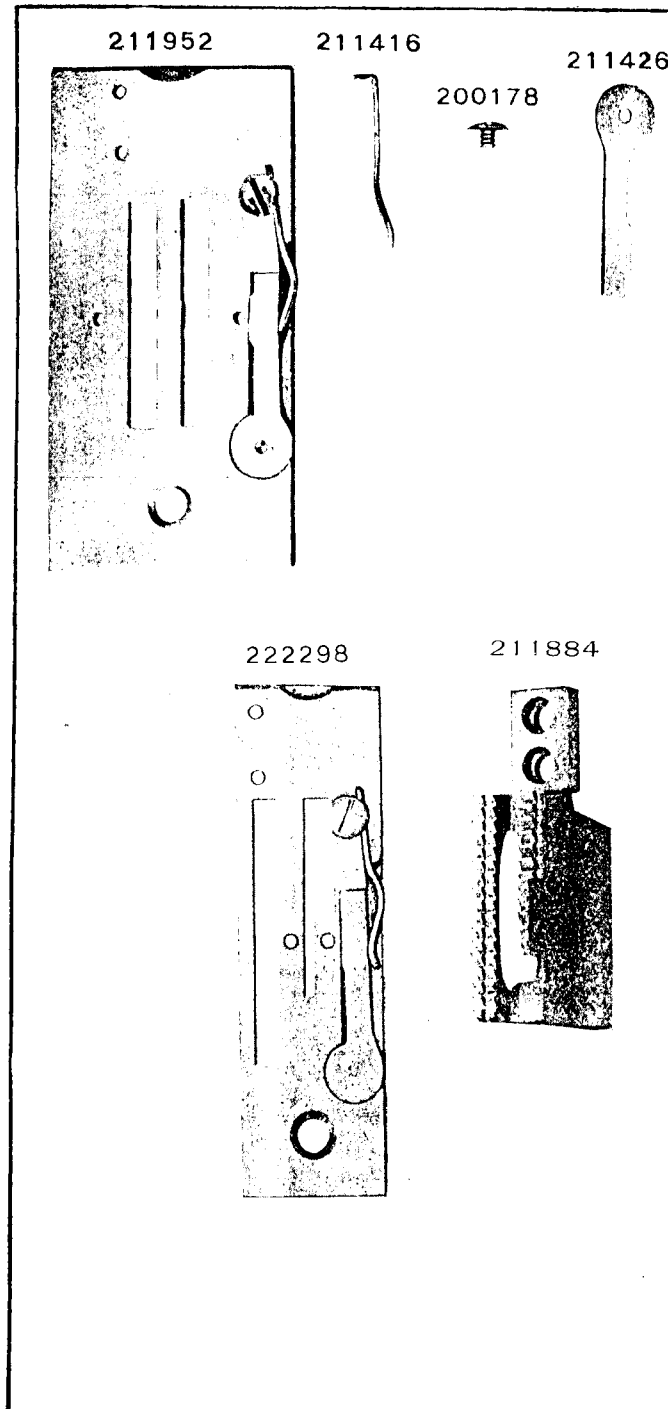


PLATE 11839 -FULL SIZE

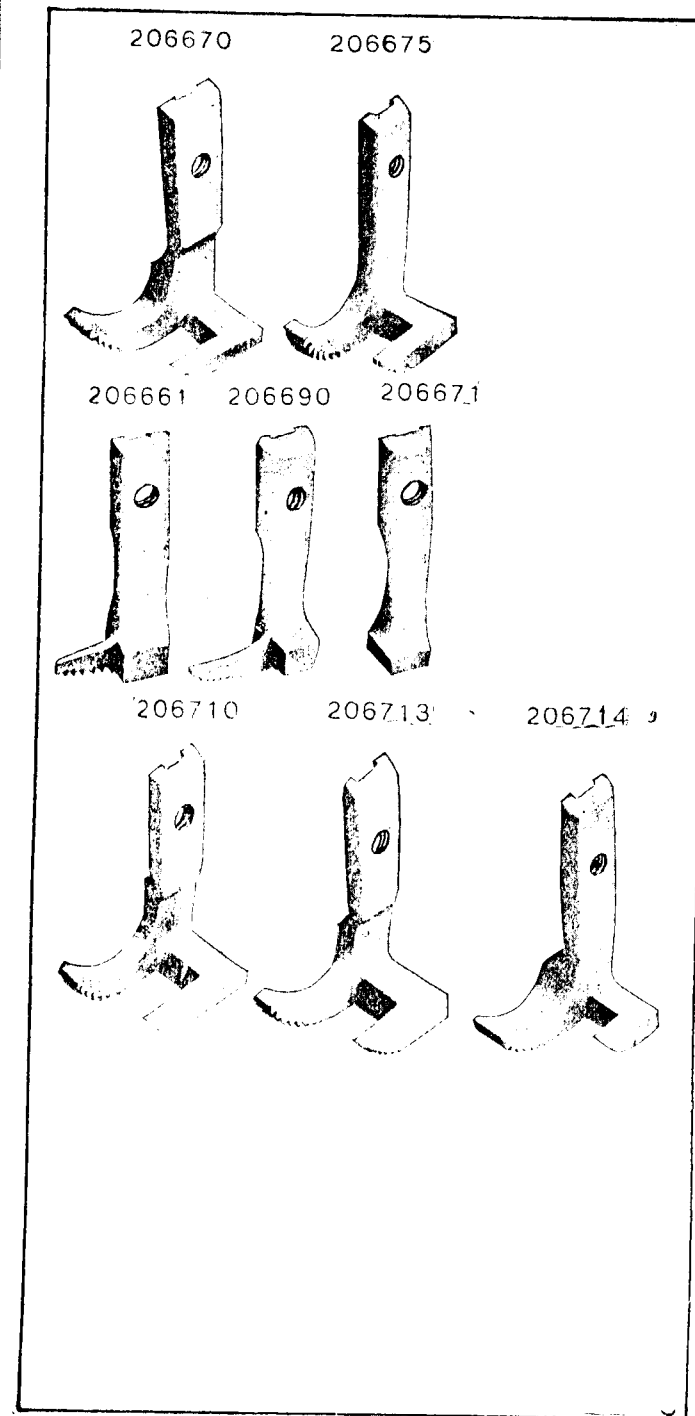


PLATE 11857 -FULL SIZE

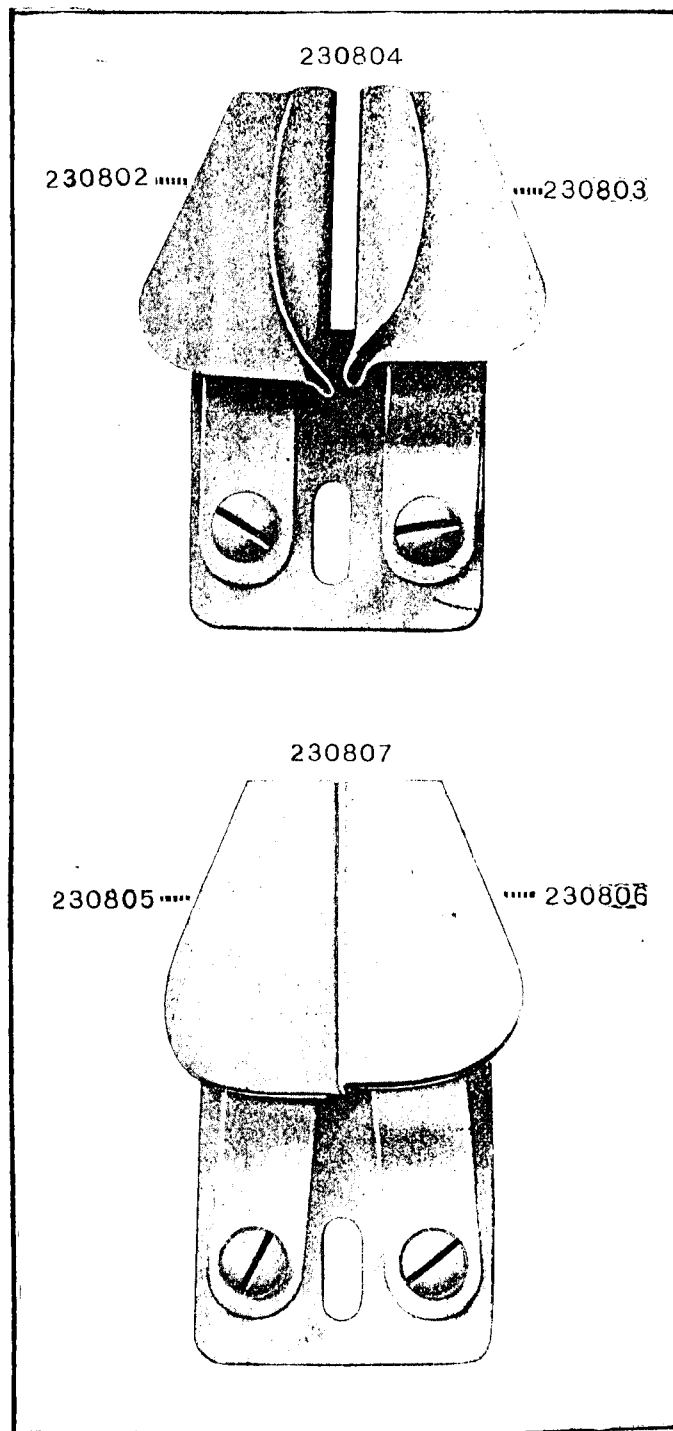


PLATE 11868 -FULL SIZE

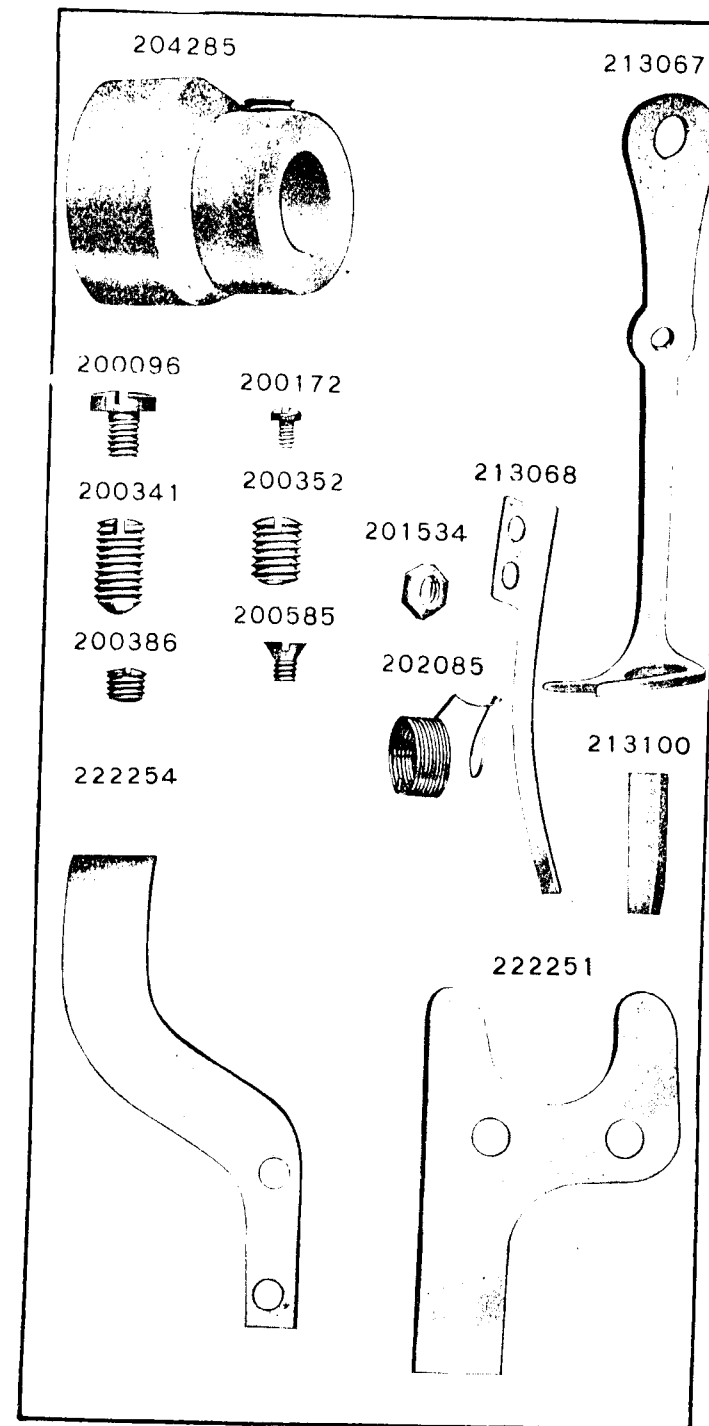
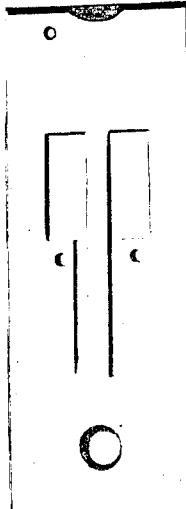


PLATE 12092—FULL SIZE

211666  
211667  
211668



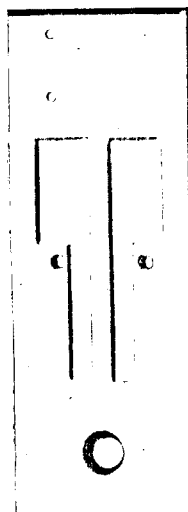
211669



211670



211671  
211672  
211673



211674

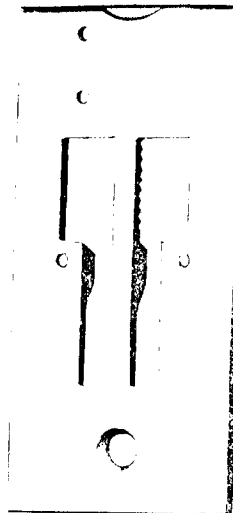


211675



PLATE 12093—FULL SIZE

211676  
211677  
211678



211679



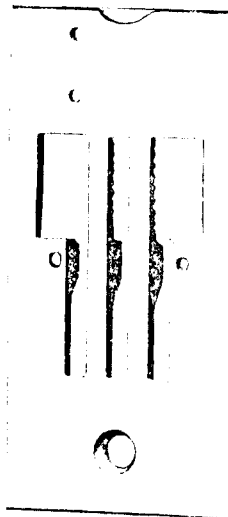
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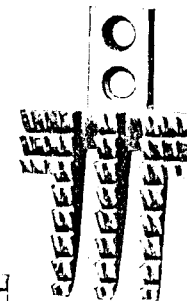
211681

211682

211683



211684



211685

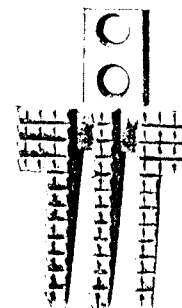
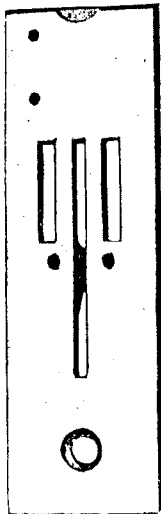


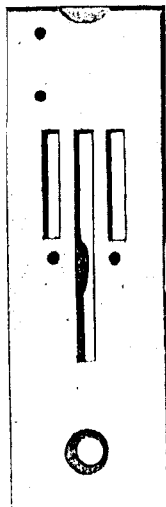


PLATE 12099—FULL SIZE

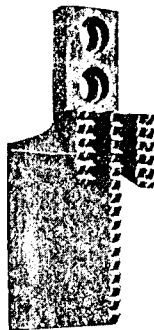
211715  
211716



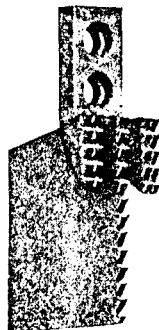
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211720



211717



211718



211721



211722

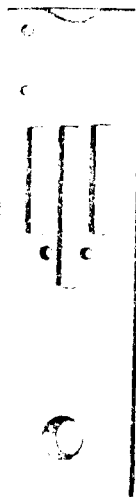


PLATE 12100—FULL SIZE

211723  
211724



211018  
211731



211725



211728



211729



211726  
211727



211732



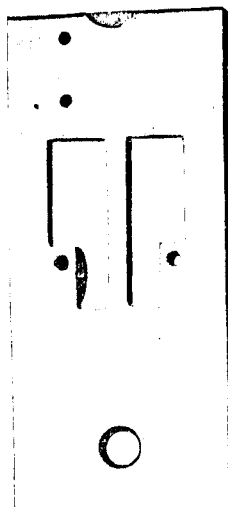
211733



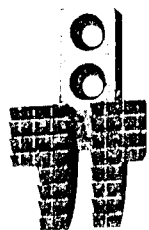
PLATE 12104—FULL SIZE

211763

211764



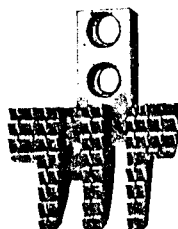
211765



211766

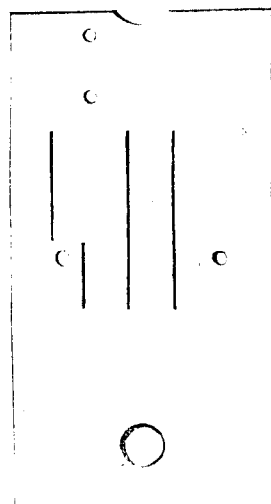


211769



211767

211768

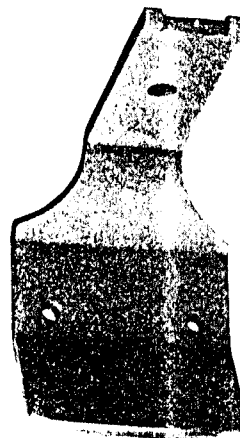


211770

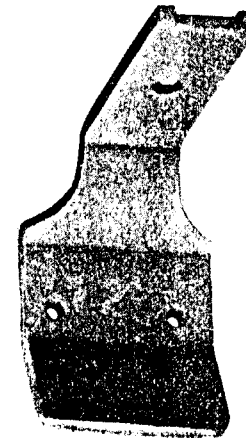


PLATE 12164—FULL SIZE

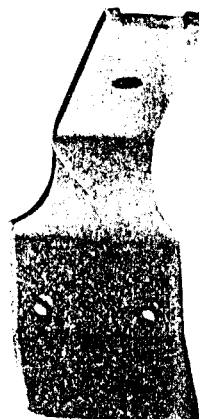
229107



229106



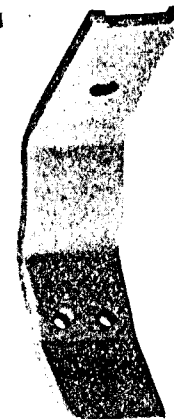
229105



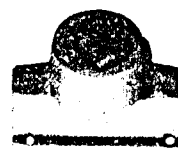
229104



229102



203705



203703



PLATE 12305—FULL SIZE

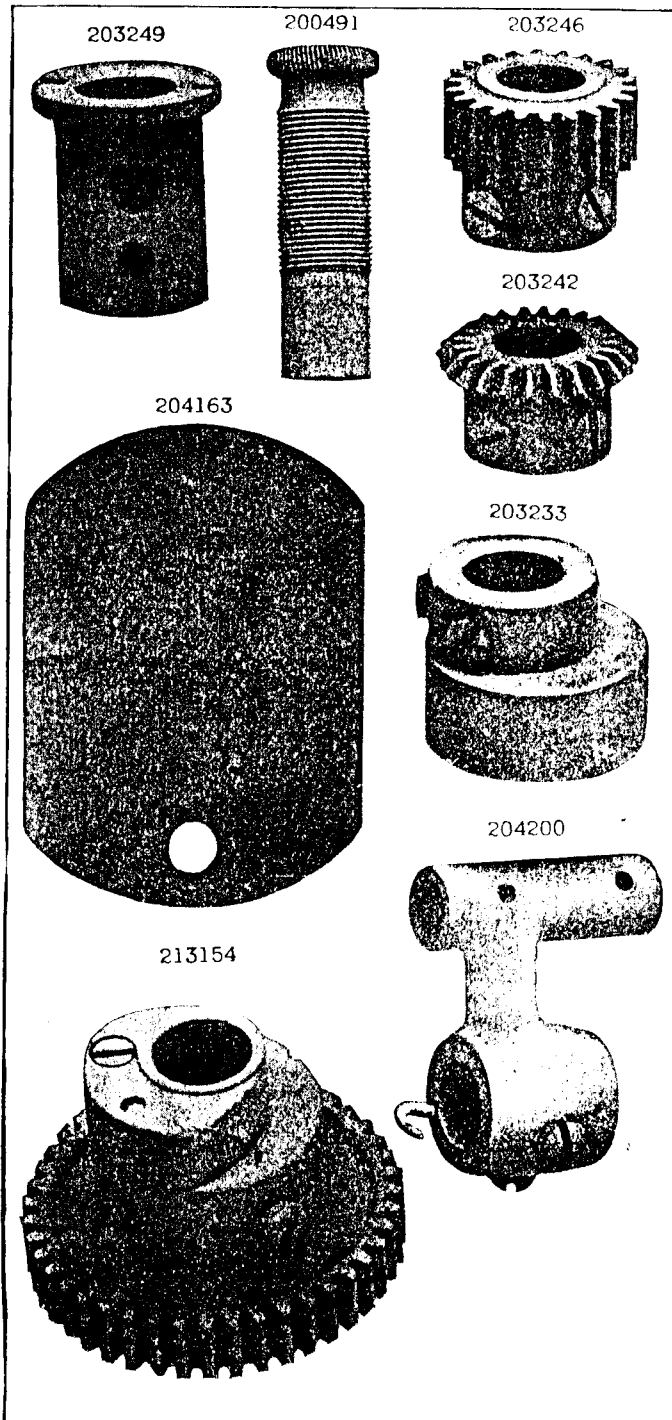


PLATE 12306—FULL SIZE

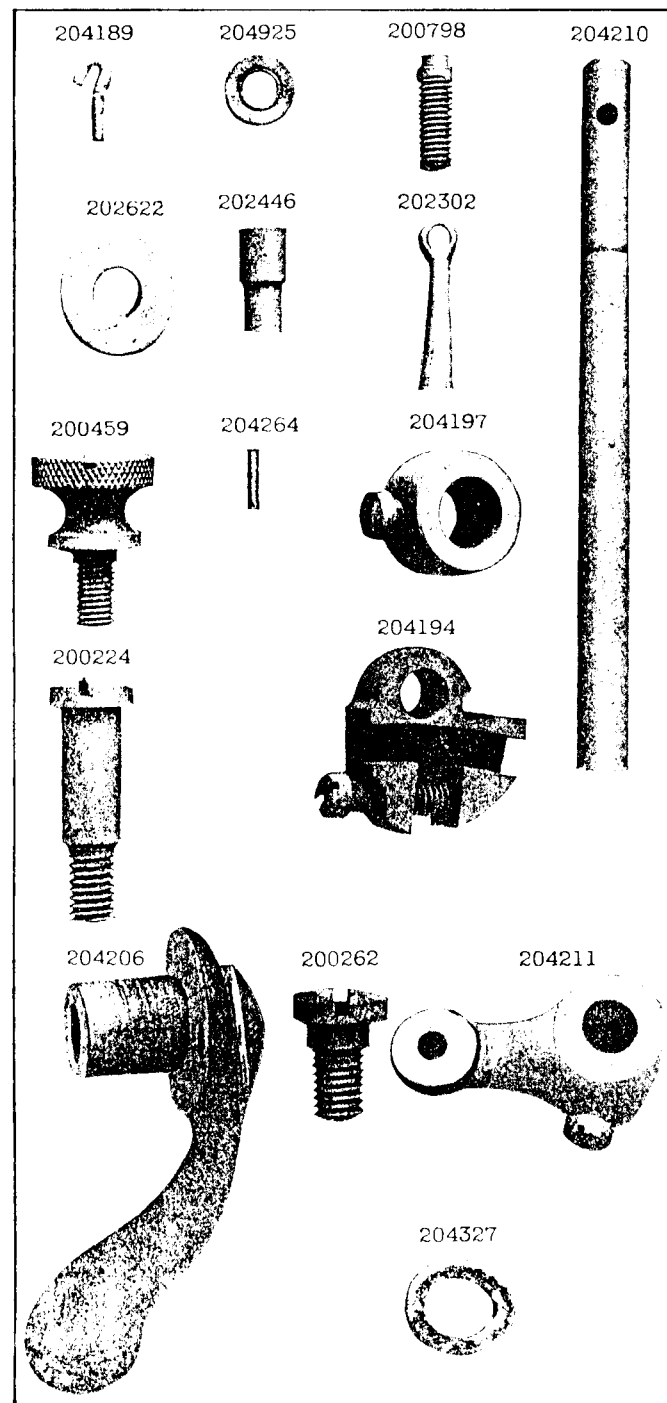


PLATE 12307—FULL SIZE

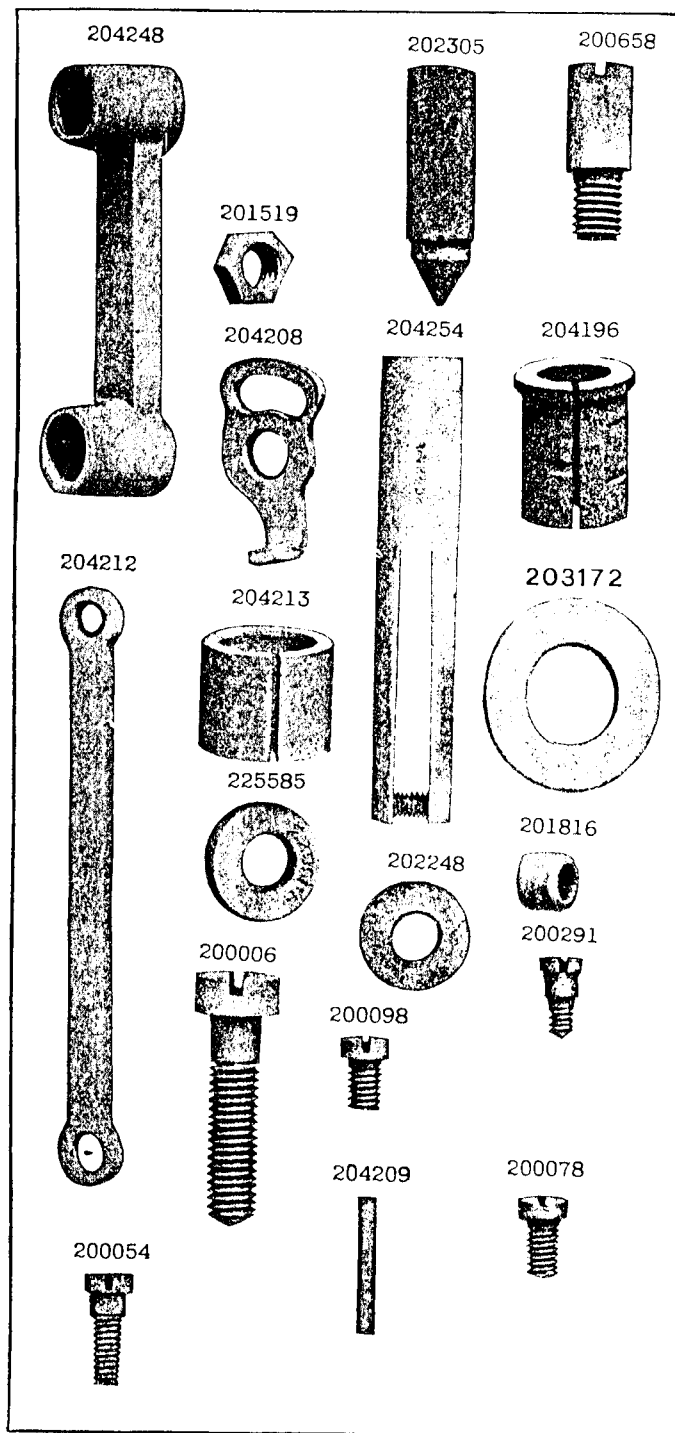


PLATE 12308—FULL SIZE

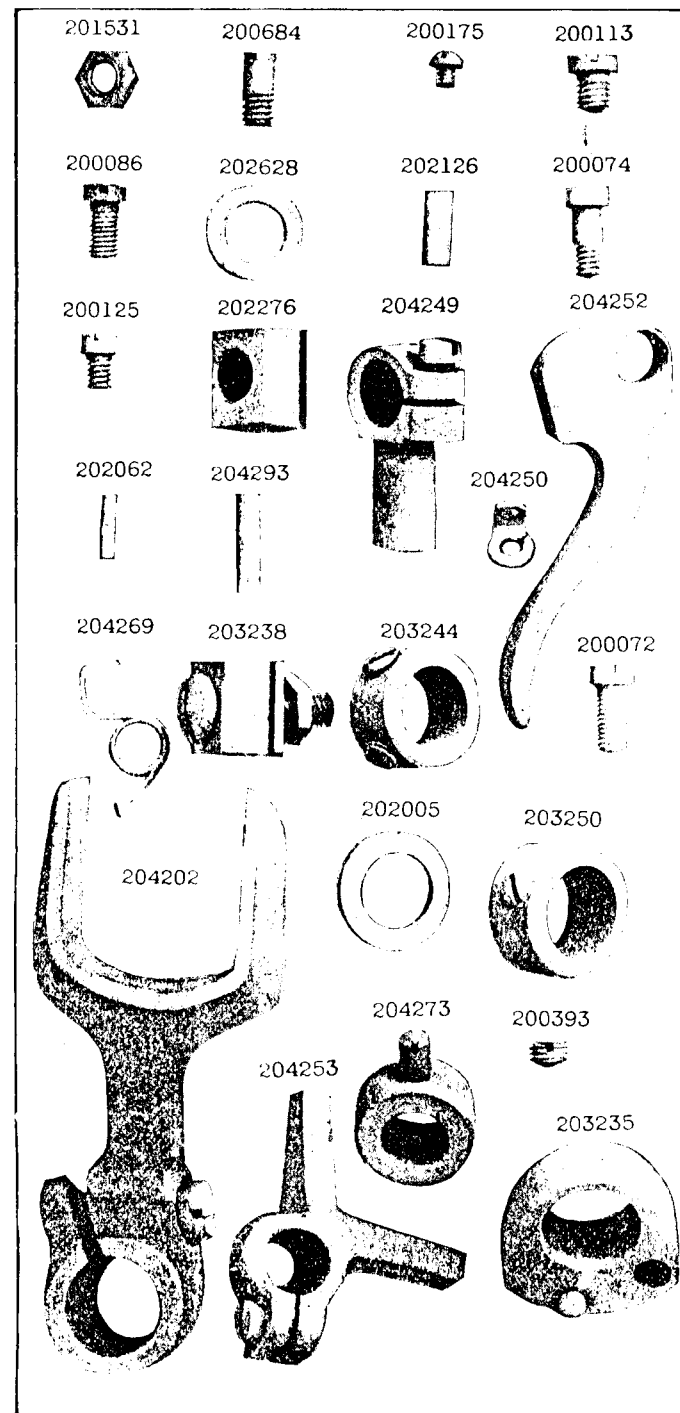


PLATE 12309 -FULL SIZE

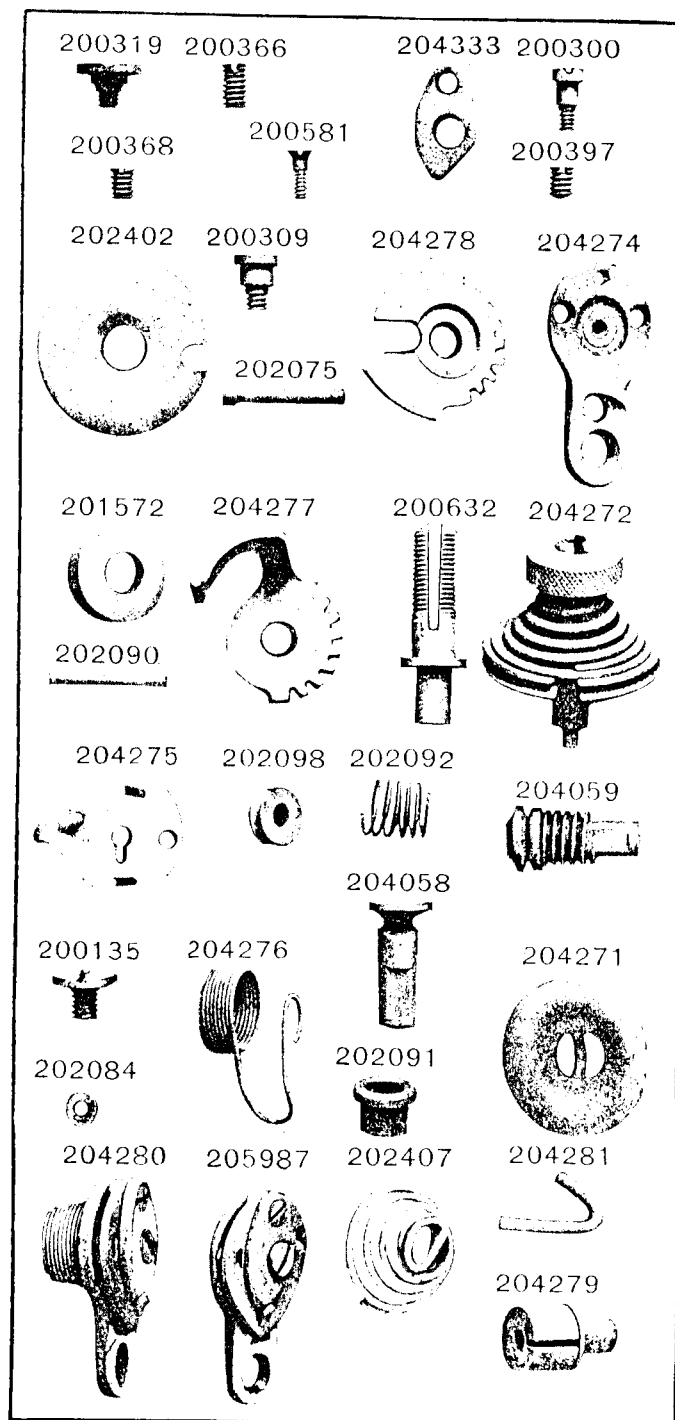


PLATE 12311-FULL SIZE

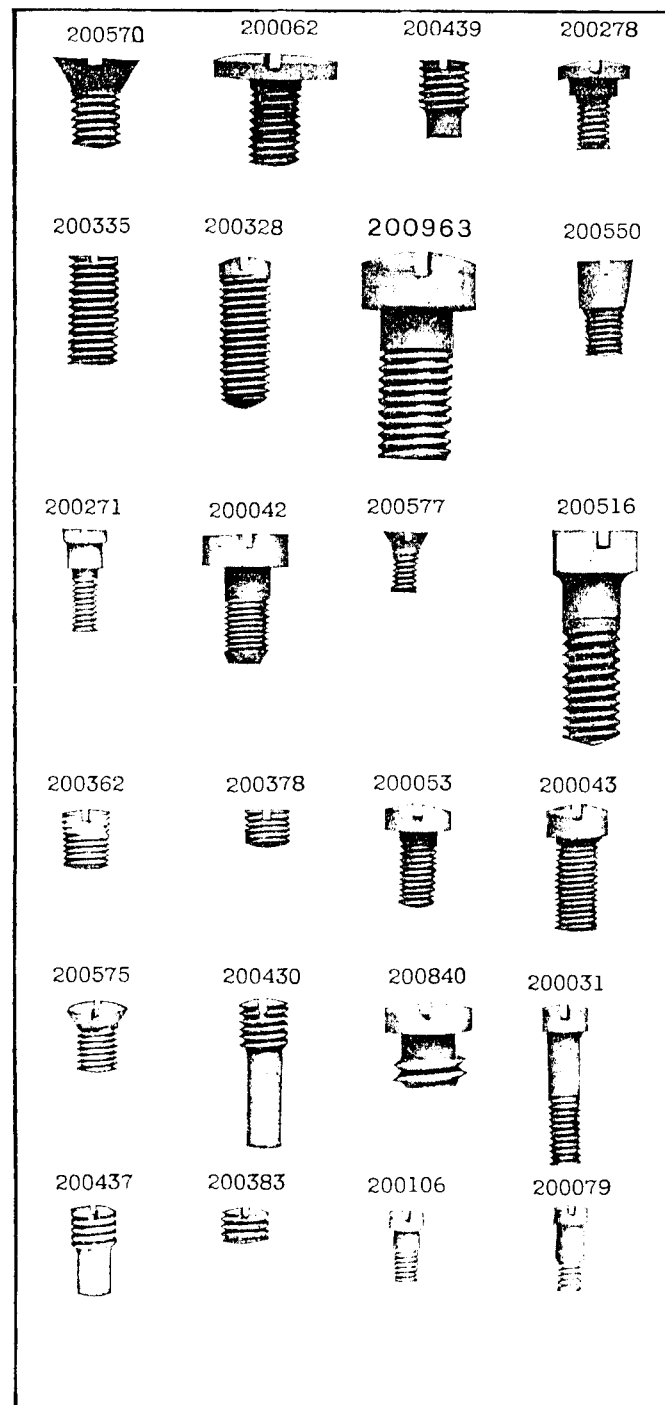


PLATE 12312 - FULL SIZE

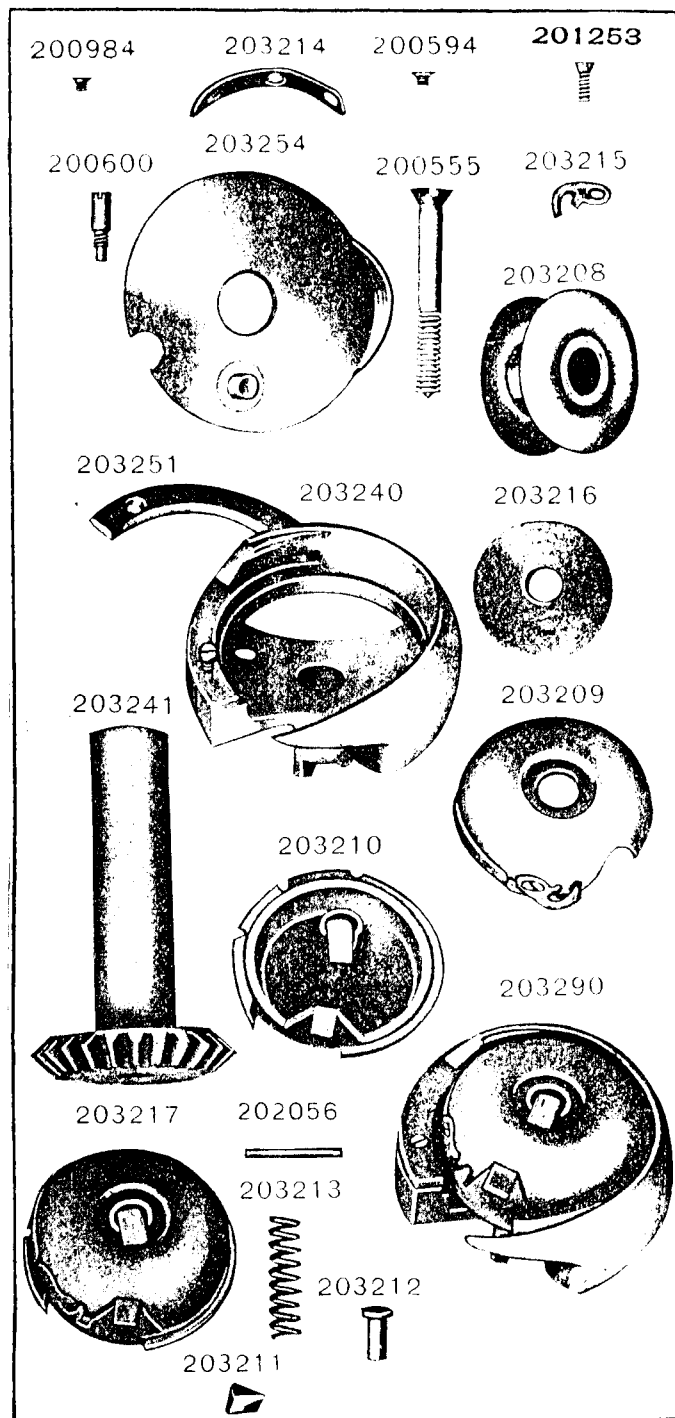


PLATE 12319 - FULL SIZE

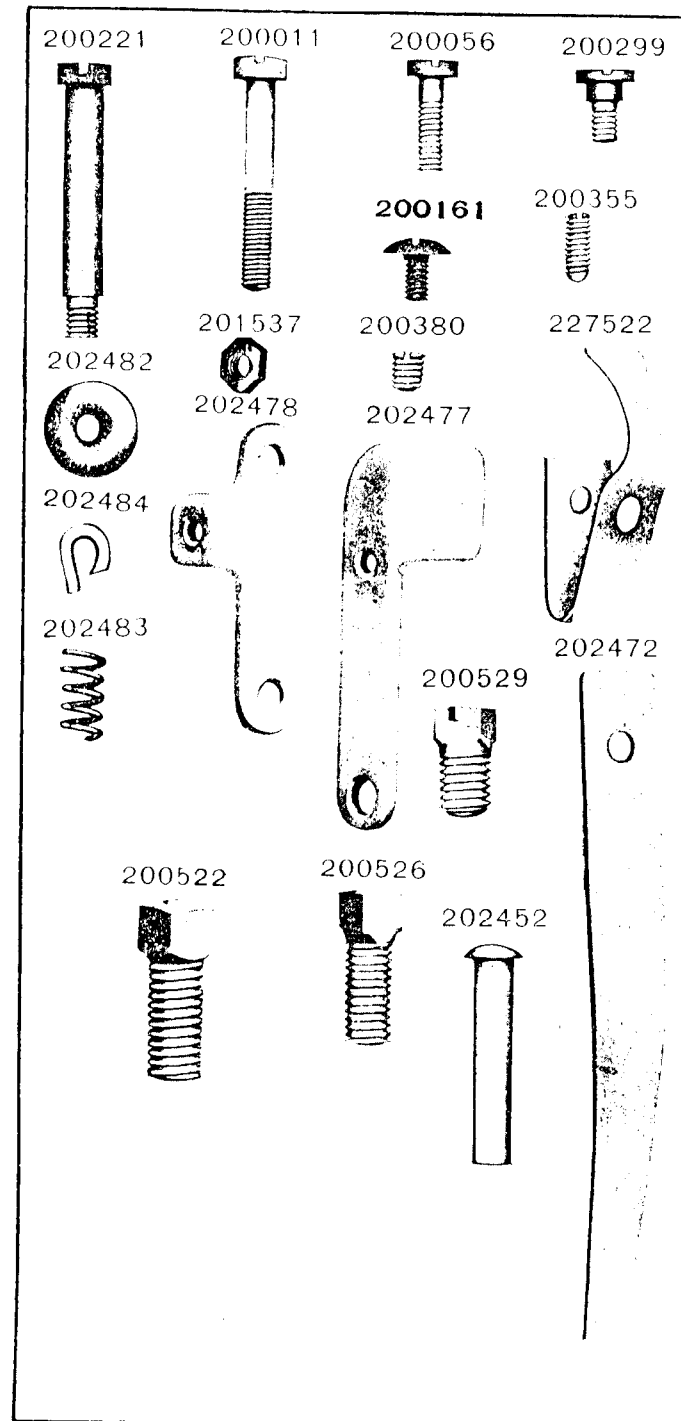


PLATE 12320—ONE-HALF SIZE

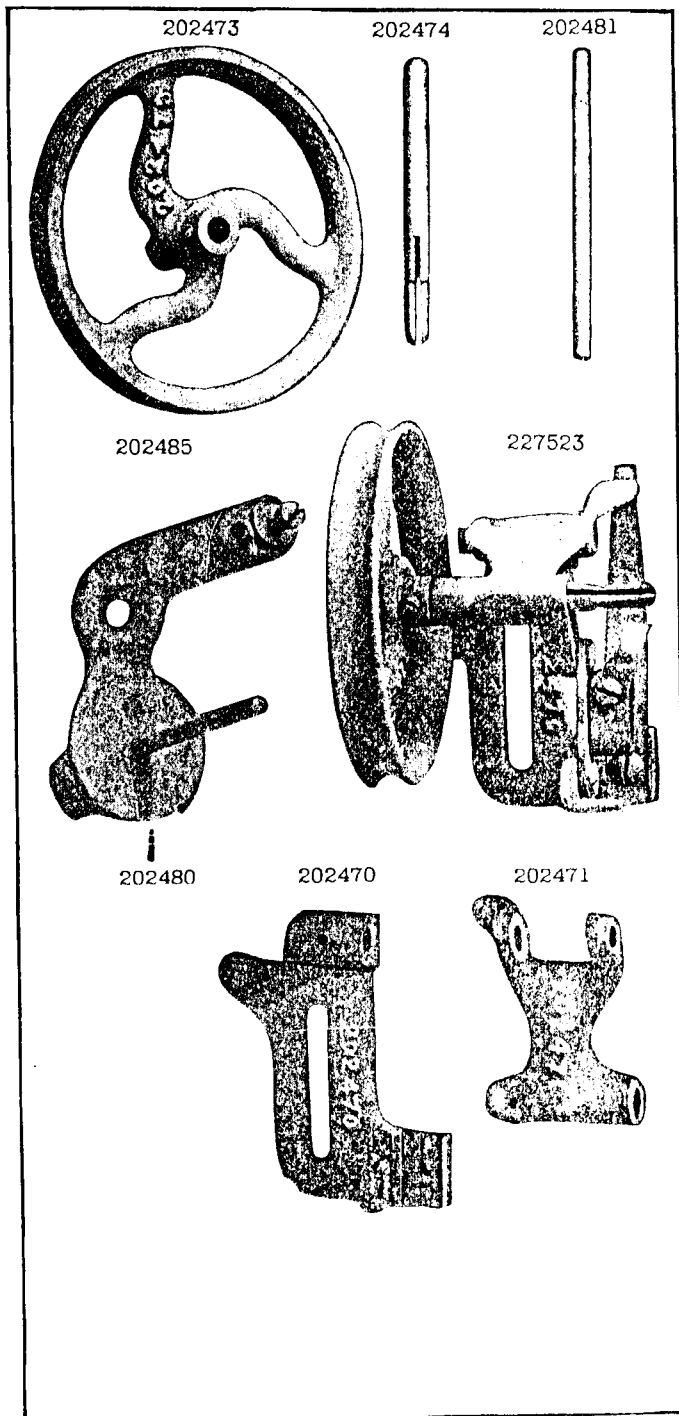


PLATE 12332—FULL SIZE

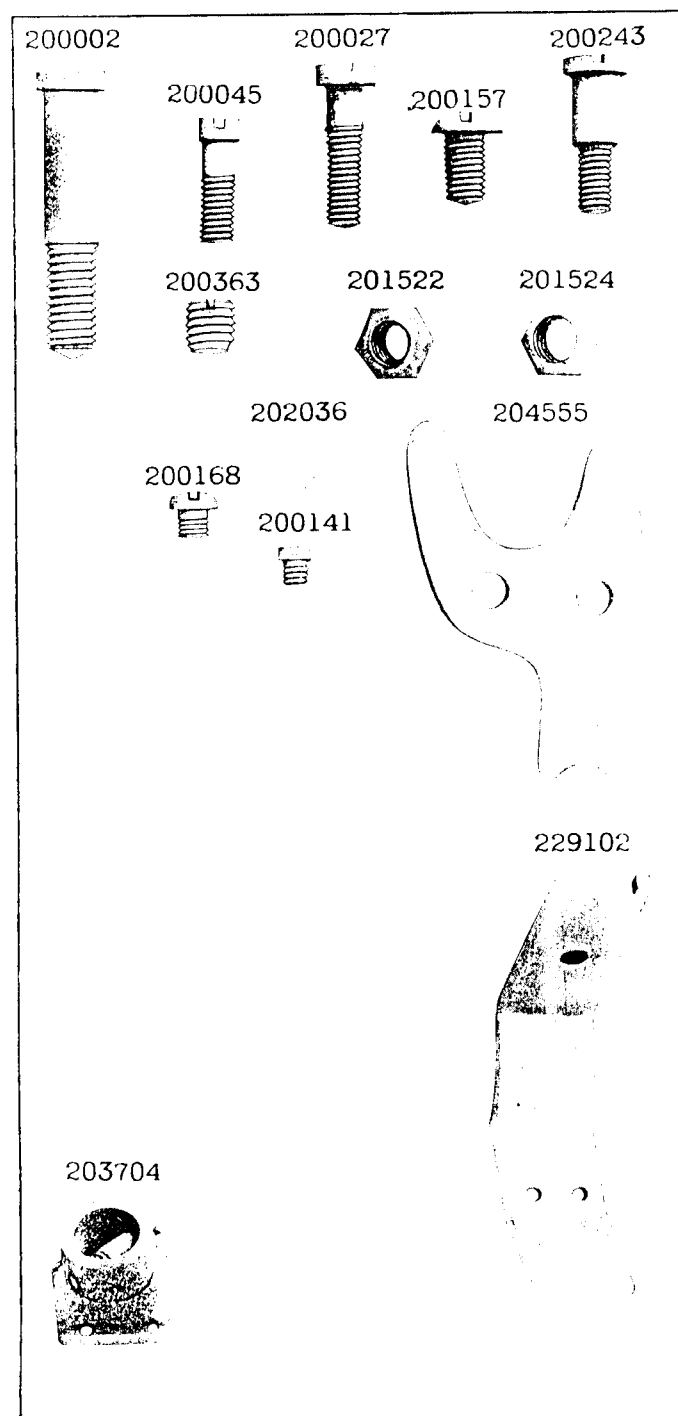


PLATE 12333--ONE-FOURTH SIZE

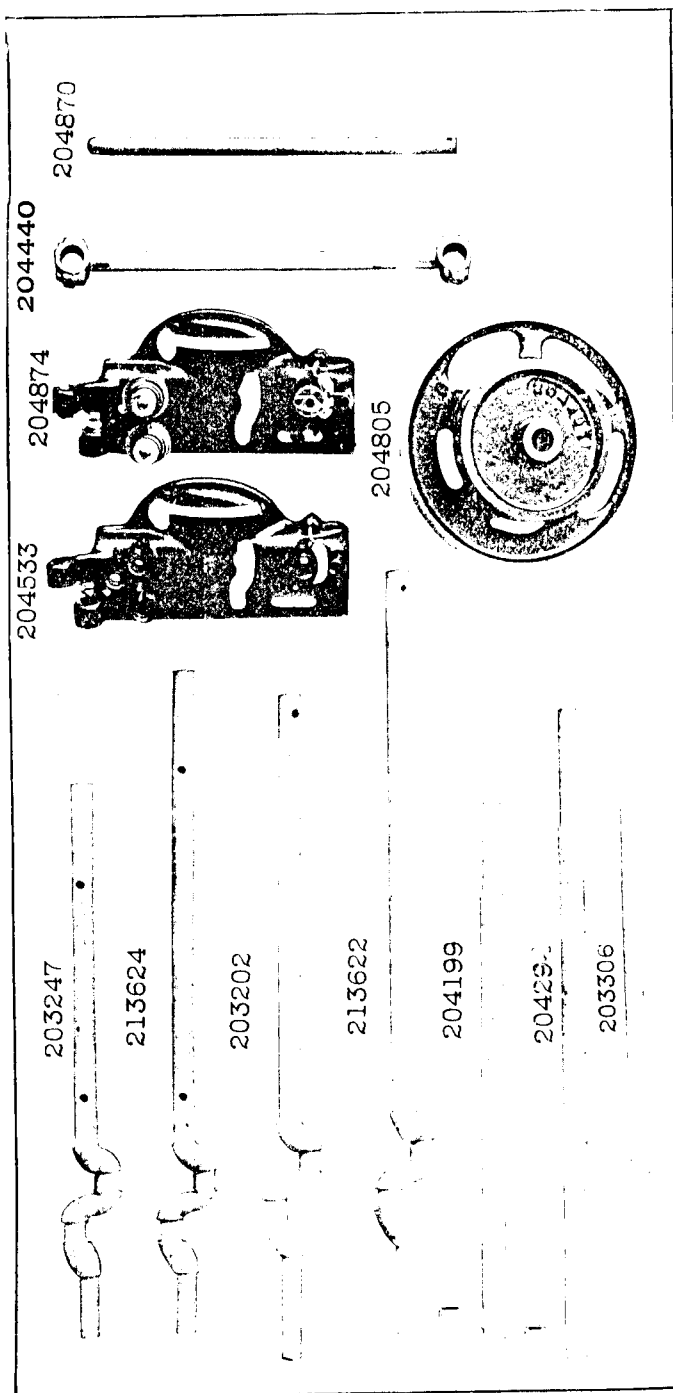


PLATE 12334--ONE-HALF SIZE

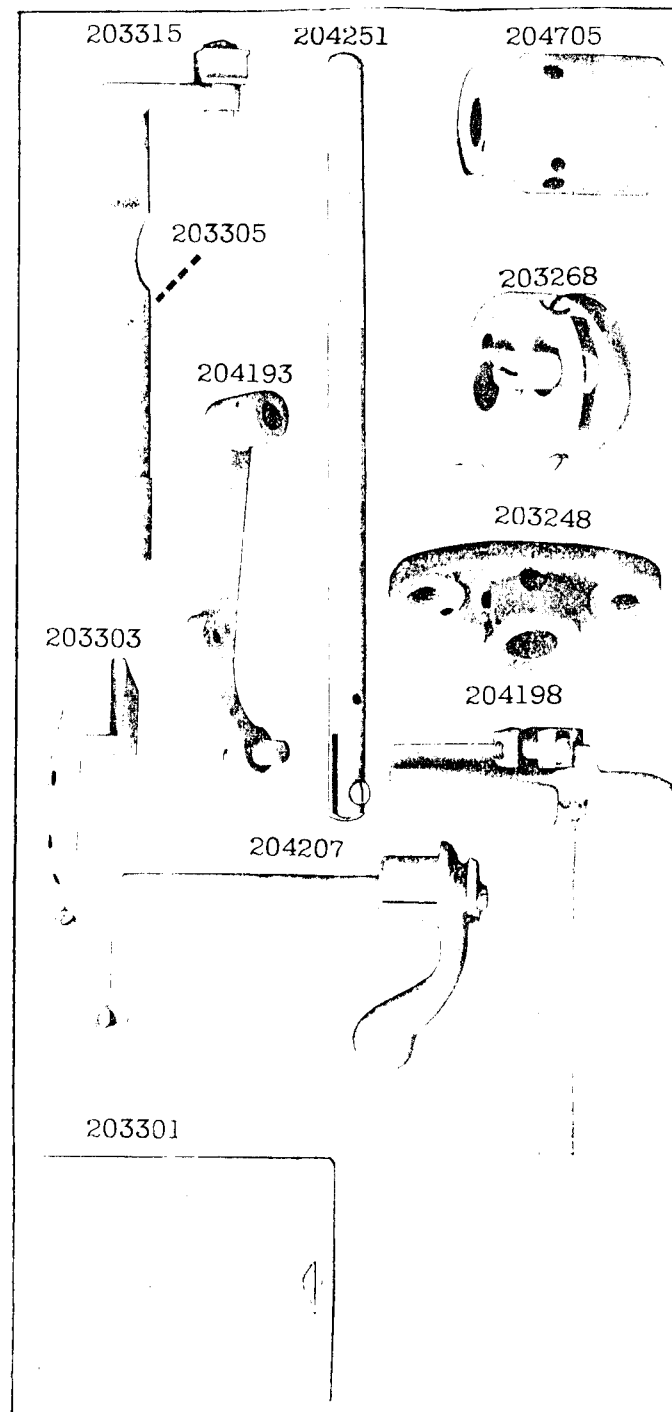
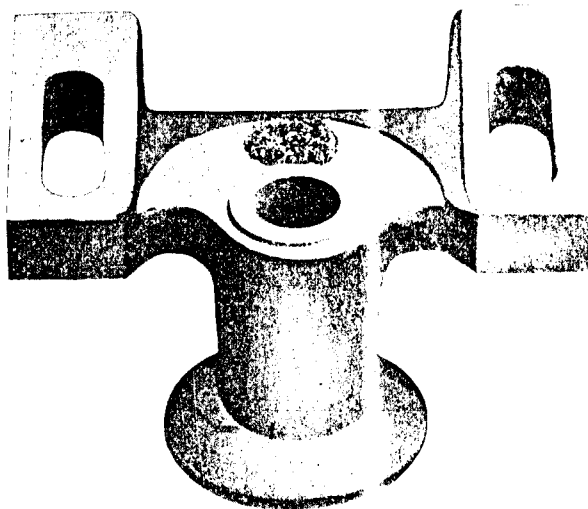




PLATE 12335—FULL SIZE

203307



203308

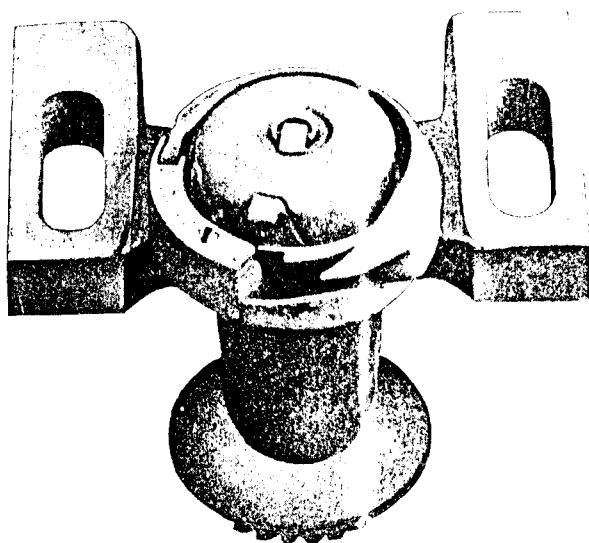


PLATE 12345—ONE-HALF SIZE

41400



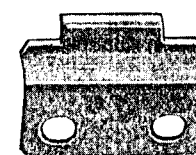
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225498

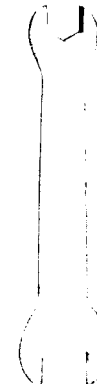


202258



36578

225554



36579

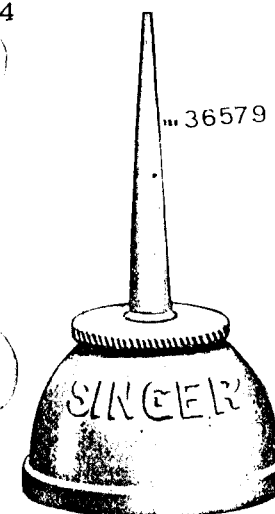


PLATE 12376—FULL SIZE

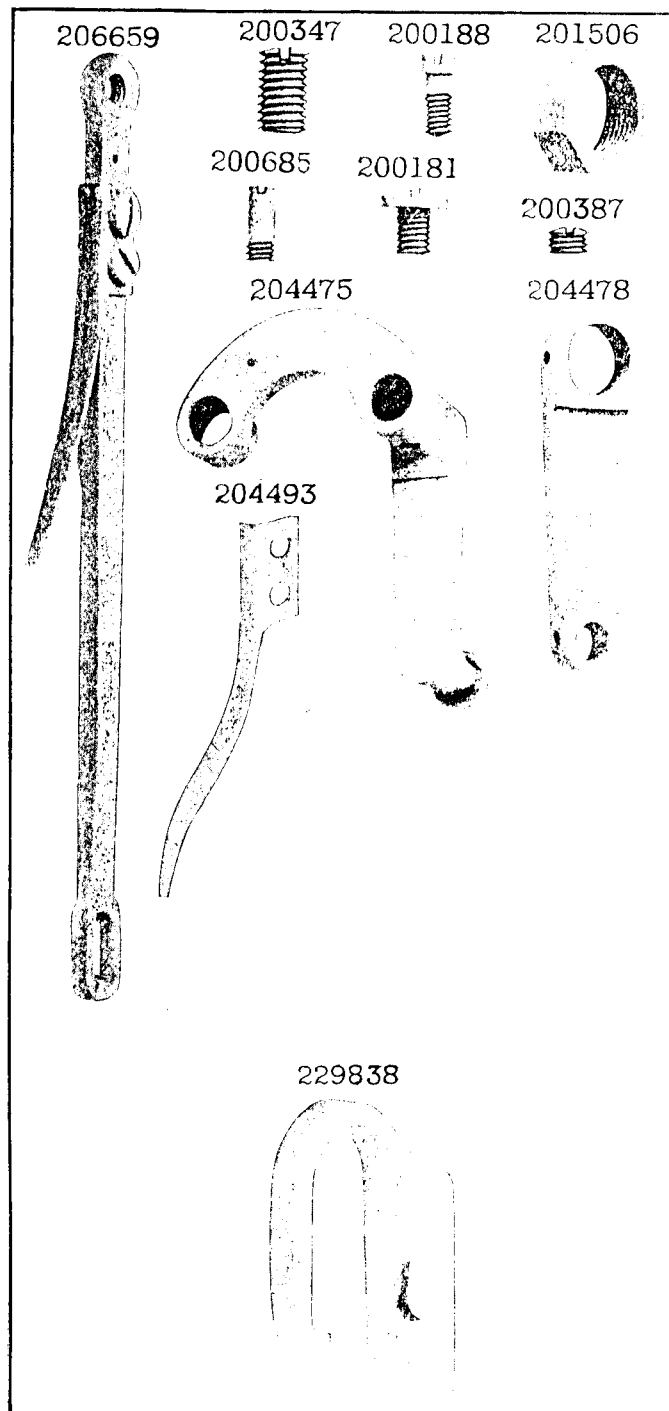


PLATE 12386—FULL SIZE

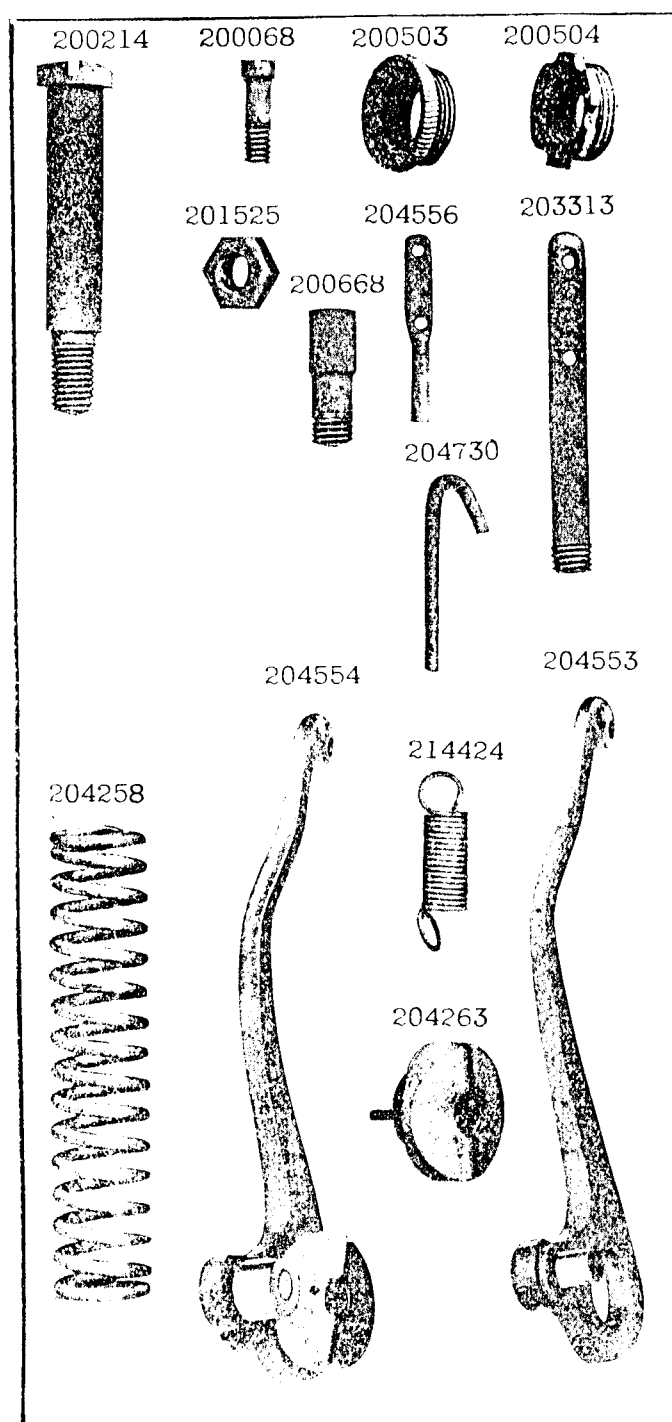


PLATE 13041—FULL SIZE

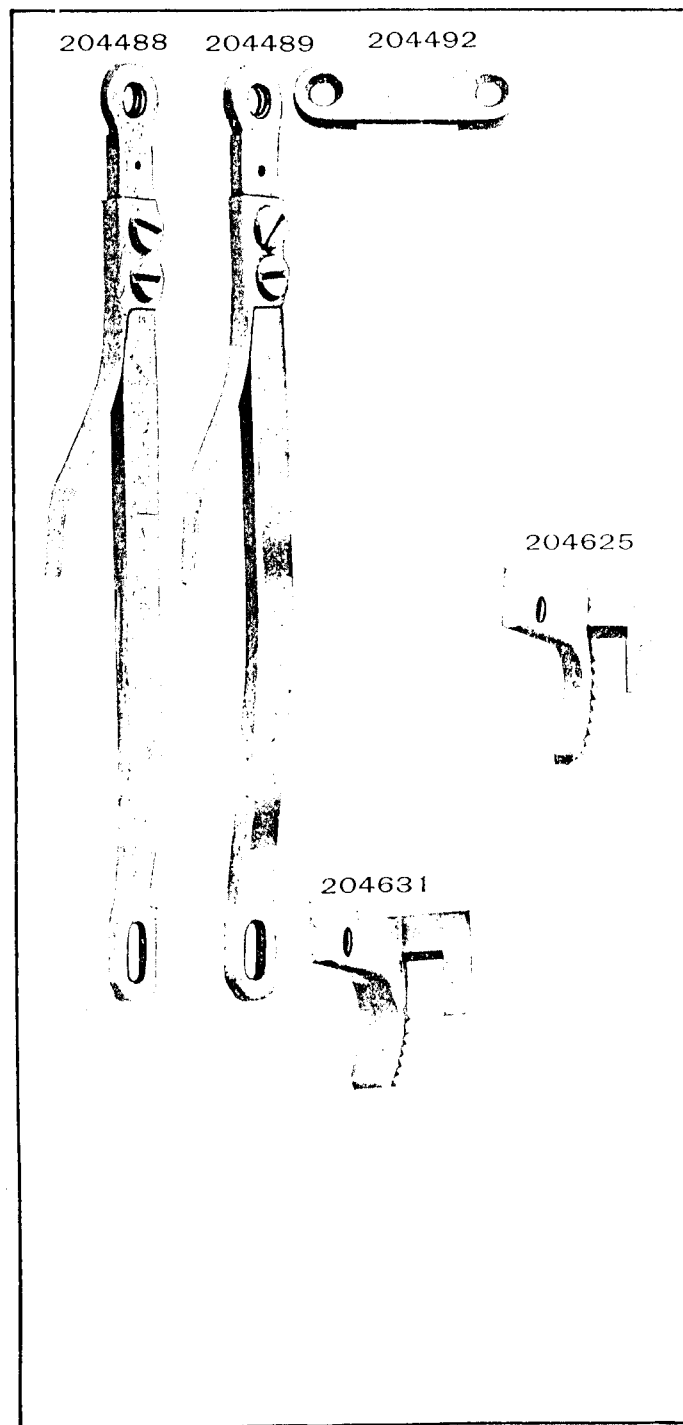


PLATE 13084—FULL SIZE

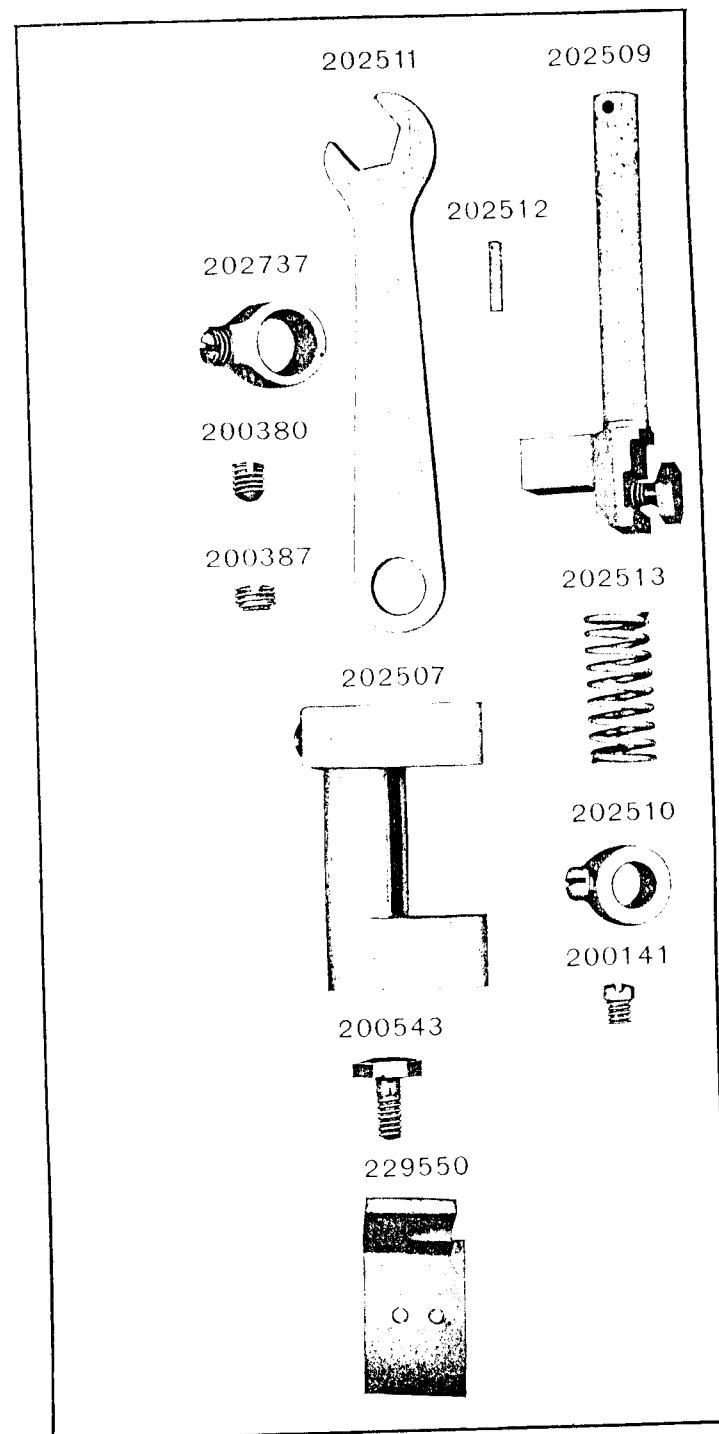


PLATE 13135--FULL SIZE

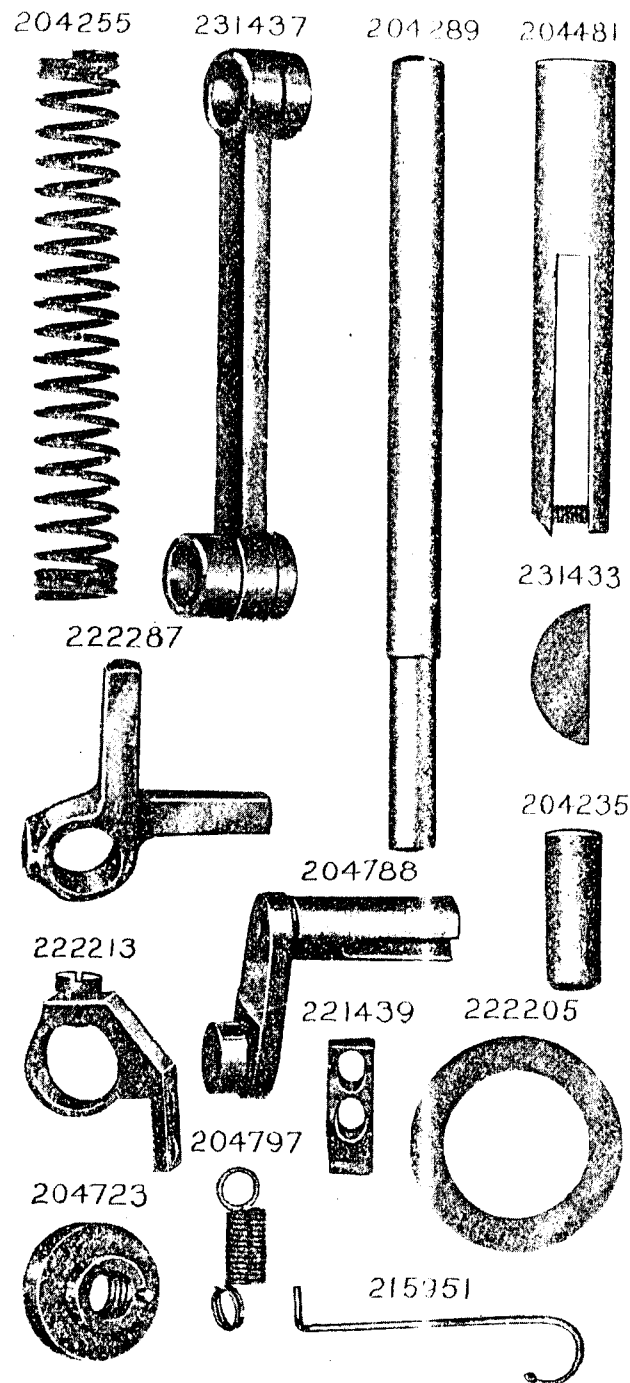


PLATE 13136--FULL SIZE

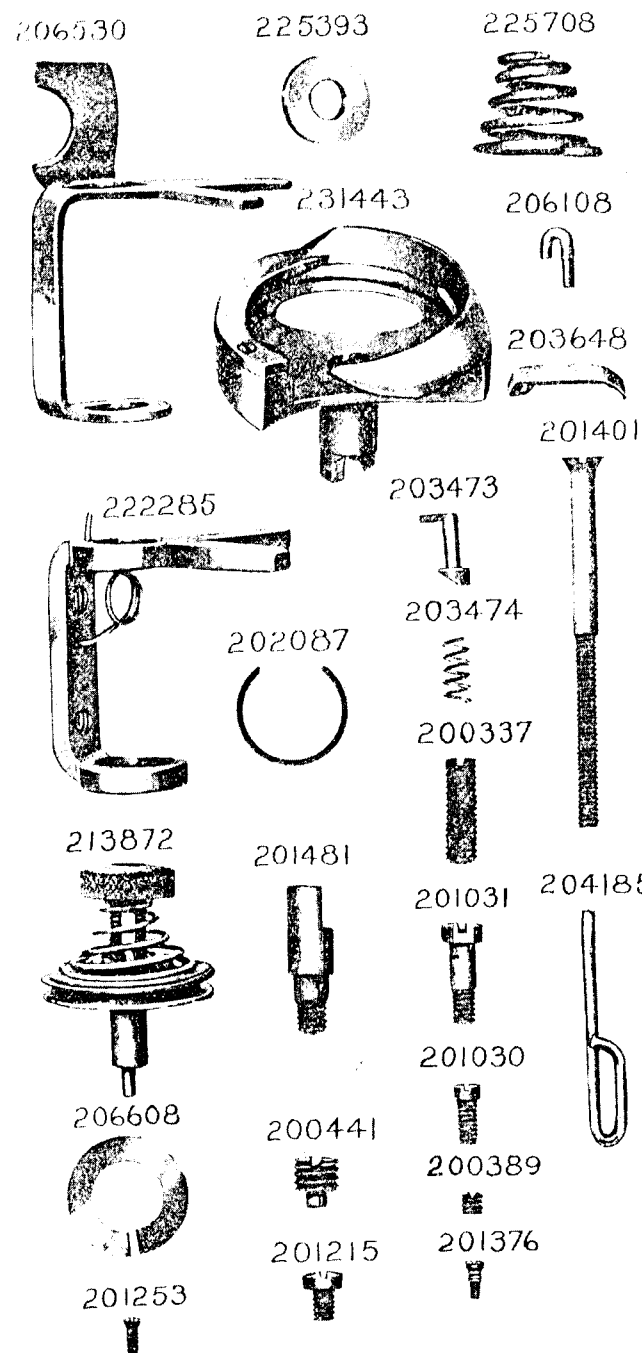


PLATE 13137—ONE-FOURTH SIZE

231431 213010

231432

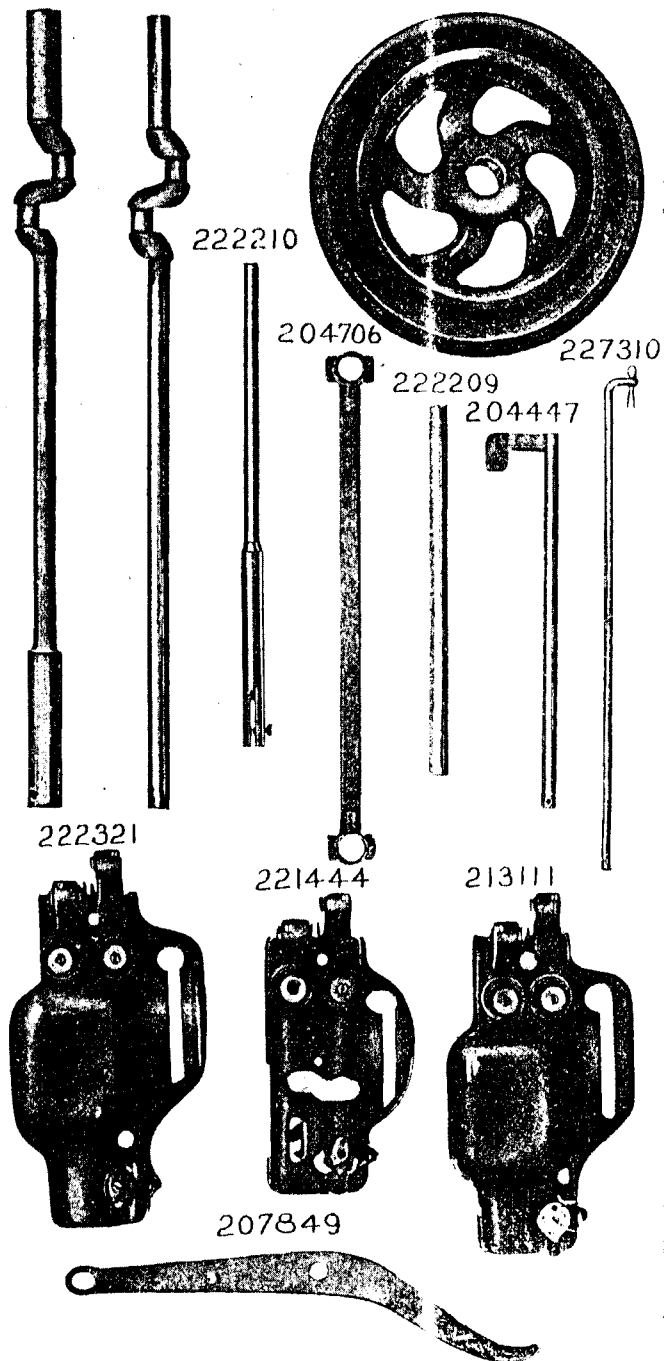


PLATE 13138—FULL SIZE

229098

229100

231438

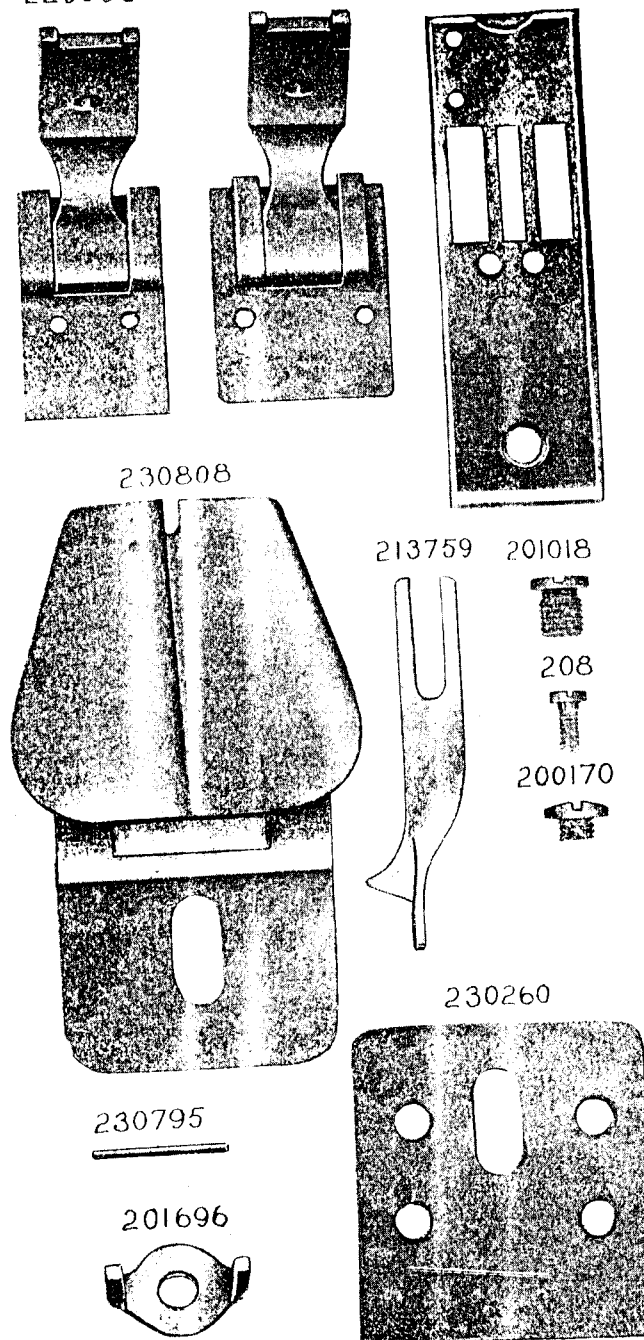


PLATE 13139—ONE-HALF SIZE

231397

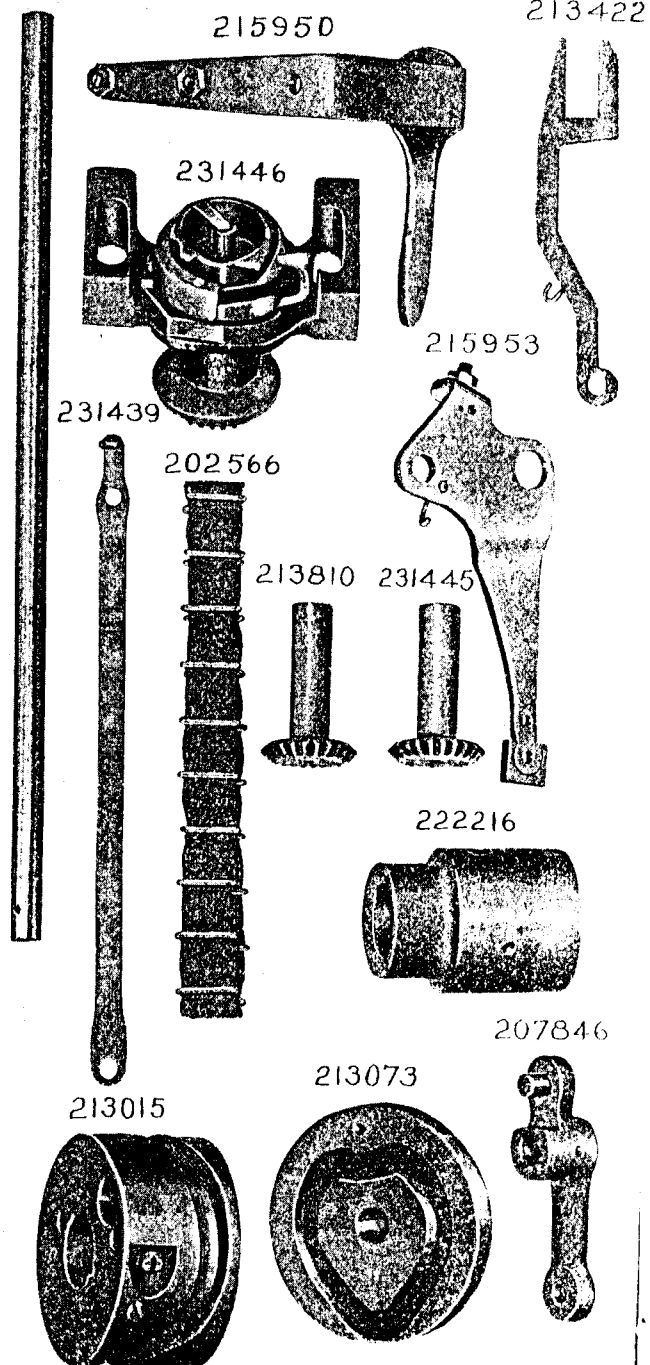
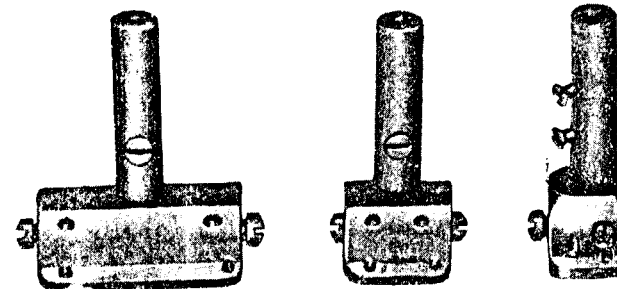


PLATE 13140—FULL SIZE

231385

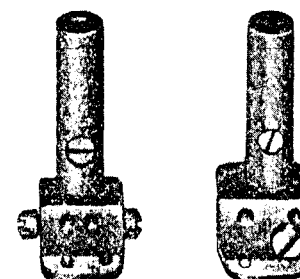
231401

229662



231383

231400



222319

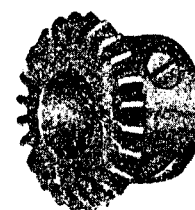
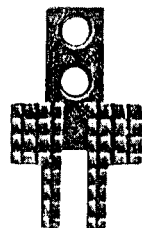


PLATE 13141—FULL SIZE

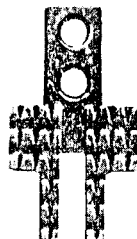
211010



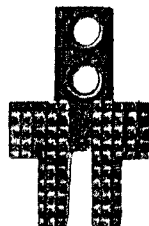
211761



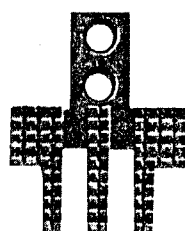
211762



211933



211934



211995



211652



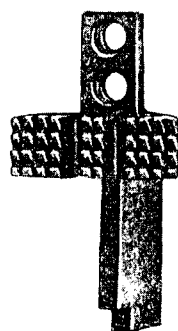
211809



222235



231448



211654



211754

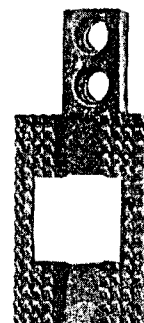


PLATE 13142—FULL SIZE

211904



212836



211644



211298



211646



211642



211648



211884



PLATE 13143—FULL SIZE

236411



211246



211805



231516



211784



213894



236423

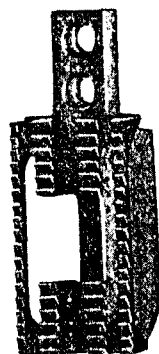
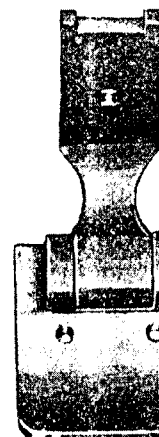


PLATE 13144—FULL SIZE

222237



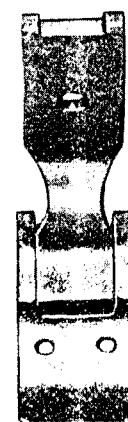
229123



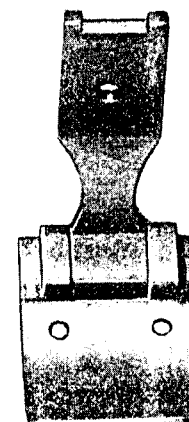
229124



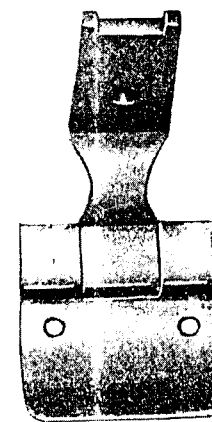
229096



229139



229141



222292

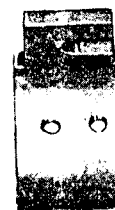
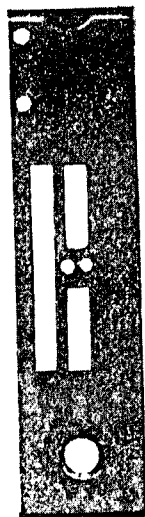


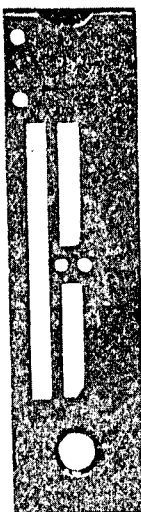


PLATE 13146—FULL SIZE

211641



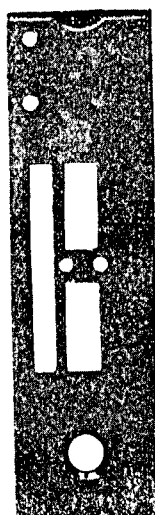
211643



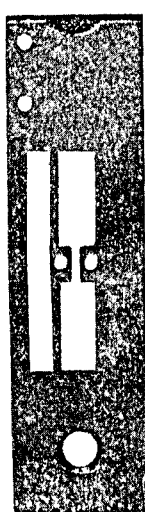
211645



211647



211653



211782

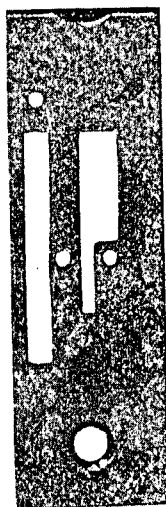
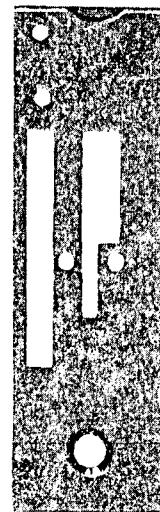
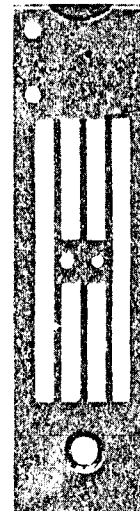


PLATE 13147—FULL SIZE

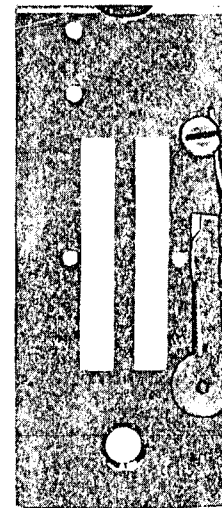
211783



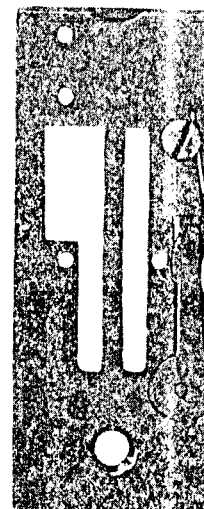
211879



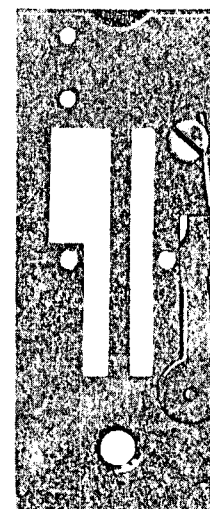
212050



222238



222239

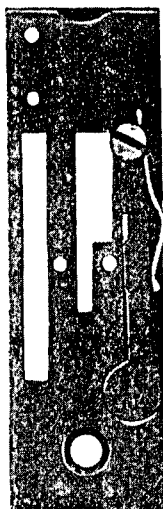


222298

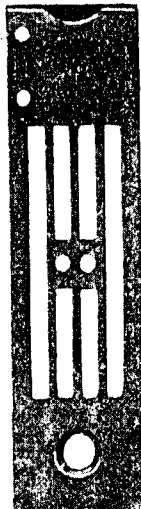


PLATE 13148—FULL SIZE

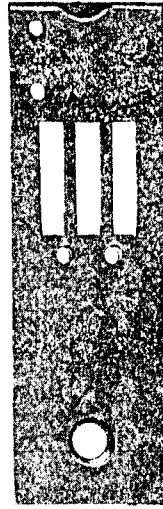
222334



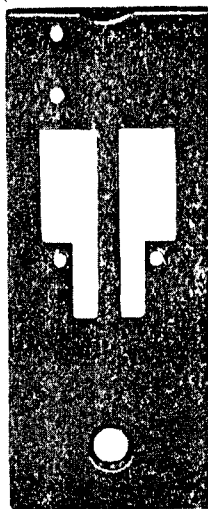
211191



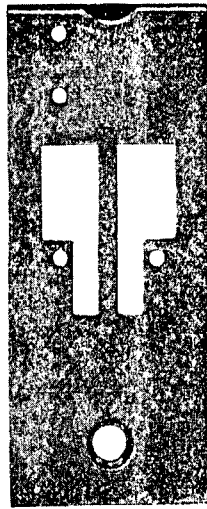
211748



211759



211760



211859

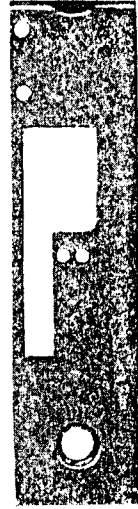
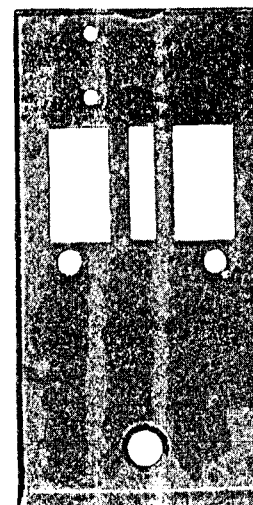
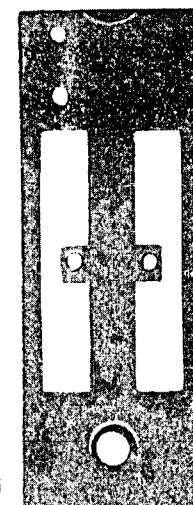


PLATE 13149—FULL SIZE

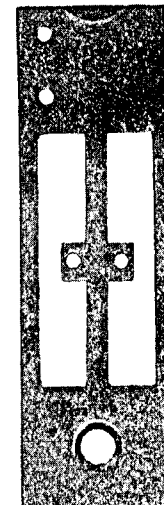
231449



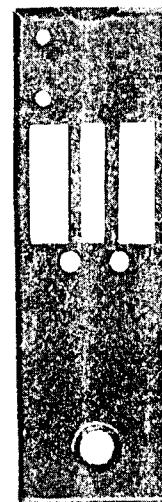
211771



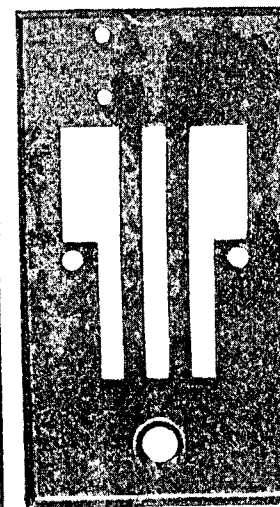
213893



222212



212242



212091

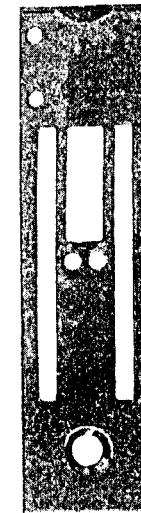


PLATE 13150—FULL SIZE

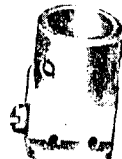
203697



203701



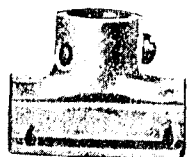
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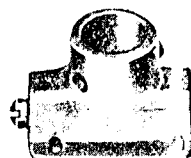
213896



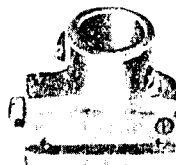
203705



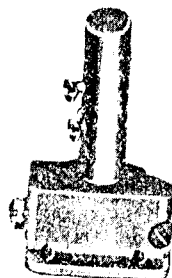
213897



213918



229665



222206

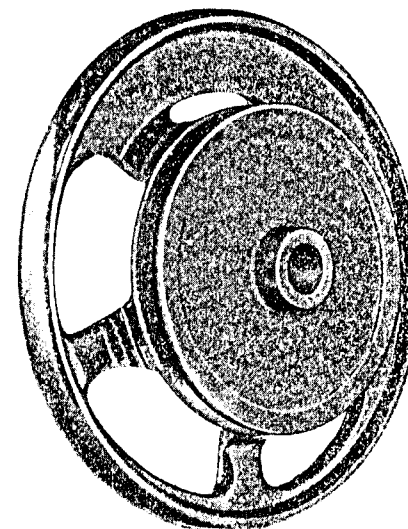


204635



PLATE 13329—ONE-HALF SIZE

204805



213925

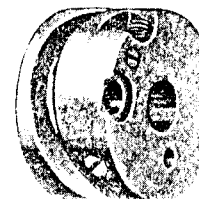
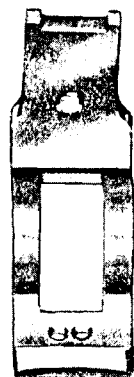


PLATE 14004—FULL SIZE

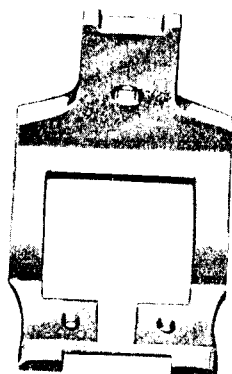
229641



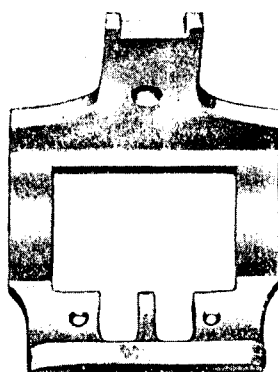
229642



229667



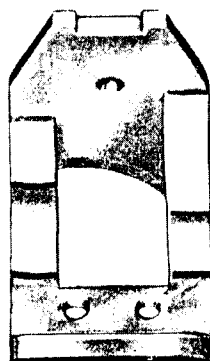
229654



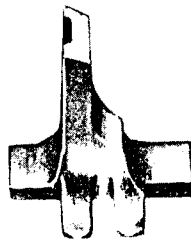
229103



222211



229651



229643

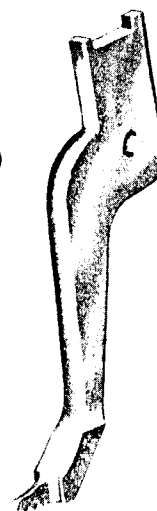


PLATE 14005—FULL SIZE

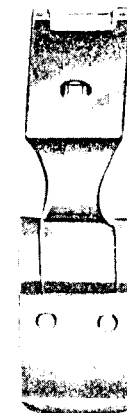
206669



229624



229133



206708  
206709



206711  
206712



229134

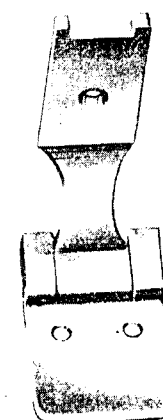


PLATE 14067—FULL SIZE

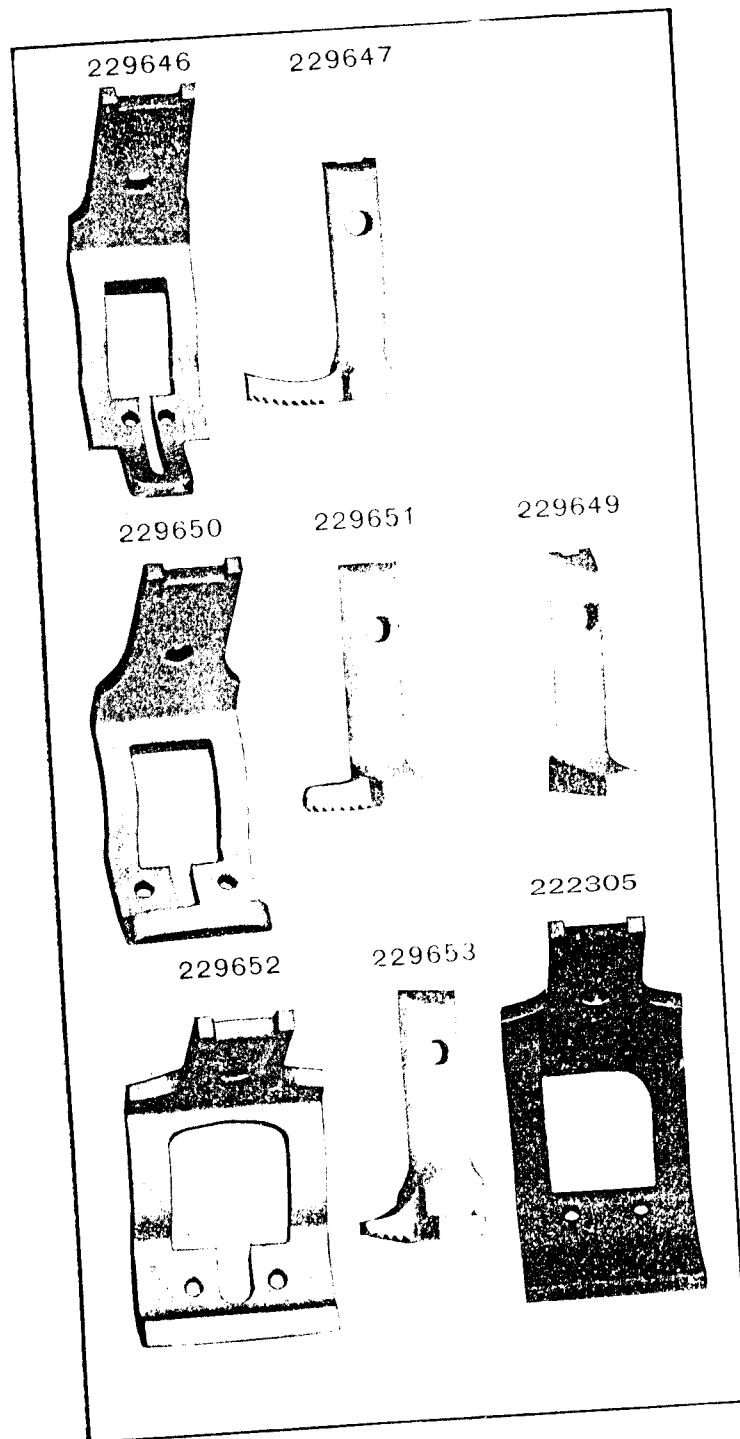


PLATE 14083—ONE-SIXTH SIZE

