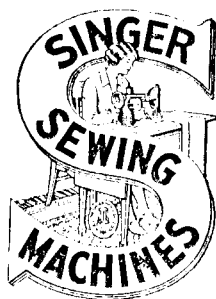


SINGER
103W2,W3

LIST OF PARTS



MACHINES Nos. 103w2 and 103w3

THE SINGER MANUFACTURING COMPANY

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Instructions for Ordering

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

The number stamped on a Sewing Machine Part is 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 case), 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.
- J. Nickel Plated only.
- R. Merlized.
- Y. Black Nickel Plated only.

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 and 350001 to 351500 are Screw Numbers.
201501 to 201800 and 351501 to 351800 are Nut Numbers.
201801 to 202000 and 350801 to 352000 are Roller Numbers.
202001 to 350000 are Numbers of Machine Parts.

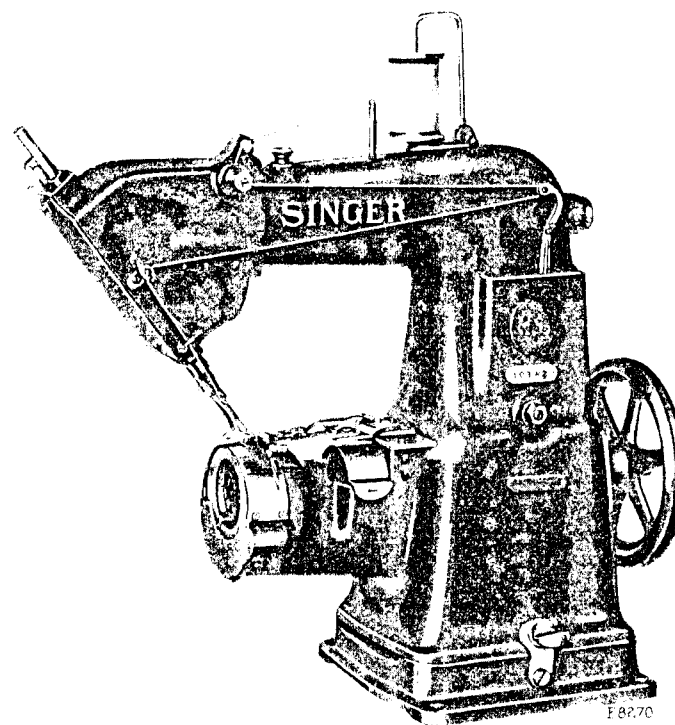
The figures in the second column refer only to the plate in which the illustration of the part is shown and are **NOT TO BE USED** in ordering.

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. 103w2

WHEEL FEED. MOVABLE HEAD

For Sewing a Sweat Leather with Reed or Wire Attached,
into Stiff, Soft or Straw Hats

Makes stitches alternately $\frac{3}{16}$ and $\frac{1}{8}$ inch long

No.	Plate	Name
208081		Arm Head
208082	12412	" " Collar with 200364c
200364c	12413	" " " Set Screw
208083	12403	" " Friction Disc (rawhide)
208084	12403	" " " " Follower
208085	12403	" " " " " "
		Spring

No.	Plate	Name
200949b	12410	Arm Head Friction Disc Follower Spring Adjusting Screw
208232	12412	Arm Head Friction Washer
208087	12406	" " Lock Pin
208088	12423	" " " " Releasing Bracket with 200051e
200051e	12411	Arm Head Lock Pin Releasing Bracket Clamping Screw
208089	12412	Arm Head Lock Pin Socket
225547	12406	" " " " Spring
200372c	12411	" " " " " Retain ing Screw
200062n	12411	Arm Head Screw
208239	12423	" " Stop with 200986c and 201612c
200986c	12413	Arm Head Stop Adjusting Screw ..
201612c	12413	" " " " " Nut
208238	12413	" " " " Plate
202602	12423	" " " " Pin (2)
200089e	12411	" " " " Screw (2)
200157b	12410	" " " " (2)
208113	- -	" and Bed (one piece)
208114	- -	" " " " Base
203184	12408	" " " " Clamp
200262n	12410	" " " " " Hinge Screw
202622	12408	Arm and Bed Base Clamp Hinge Screw Washer
208115	12415	Arm and Bed Base Hinge
200030n	12408	" " " " " Screw (6)
200728b	12405	" " " " " Wing Screw
203185	12408	" " " " " " " Washer
208116	- -	Arm and Bed Side Cover
202602	12423	" " " " " " Position Pin
213710	12408	Bobbin
*208075	- -	" Case Body with 2523 and 208134
15141	12423	Bobbin Case Hinge, Nos. 2973, 2974 and 15140
15140	12408	Bobbin Case Latch
2973	12408	" " " " Lever
2974	12408	" " " " " Fulcrum Pin

No.	Plate	Name
210736	12408	Bobbin Case Latch Spring
208134	- -	" " " " Position Finger
2523	- -	" " " " " Rivet ..
592c	12408	" " Stop Screw
208135	- -	" " Stud
15278	12423	" " Tension Spring
591e	12408	" " " " " Screw
208076	12423	Bobbin Case complete, Nos. 591e, 592c, 15141, 15278, 208075 and 210736
208094	12416	Cylinder End Plate
200582n	12410	" " " " " Screw (3)
208095	12415	Driving Shaft
208096	12416	" " Bushing
200747c	12411	" " " " Set Screw ...
208059	12424	" " Crank with 200335c, 200431c, 200669c and 201530c ..
208098	12415	Driving Shaft Crank Cover
200577n	12410	" " " " " " Screw (2)
200431c	12411	Driving Shaft Crank Position Screw
200335c	12413	" " " " Set Screw
200669c	12411	" " " " Stud
201530c	12410	" " " " " Nut
200062n	12411	" " Thrust Screw
208099	12419	" " Wheel with 200352c and 200363c
200352c	12411	Driving Shaft Wheel Position Screw
200363c	12411	" " " " Set Screw ...
208100	12415	Face Plate
200100b	12410	" " " " Screw
200699b	12410	" " " " Thumb Screw
208101	12423	Feed Cam with 200362c and 200437c
200437c	12411	" " " " Position Screw
200362c	12411	" " " " Set Screw
208058	12424	" Fork Connection with 200029c
200029c	12423	" " " " Pinch Screw ...
208103	12415	" Rock Shaft with 208106
208104	12403	" " " " Pawl
200942b	12410	" " " " " Hinge Screw
201528c	12410	" " " " " " " " Nut
208105	12403	Feed Rock Shaft Pawl Spring
200274b	12410	" " " " " " " Screw
208106	12413	" " " " " " " Stop Pin
203244	12406	Feed Rock Shaft Thrust Collar with two 200393c
200393c	12413	Feed Rock Shaft Thrust Collar Set Screw

No.	Plate	Name
208107	-----	Feed Rock Shaft complete, Nos. 200274b, 200942b, 201528e and 208103 to 208105
208108	12416	Feed Wheel
208216	-----	" " 208108 with 208163 and three 200580c
208214	12403	Feed Wheel Friction Spring
202062	12412	" " " " Position Pin
208109	12403	Feed Wheel Retaining Clutch
208110	12403	" " " " Spring
200386c	12410	" " " " " Screw
208111	12416	Feed Wheel Yoke with 200956c and 202062
208112	-----	Feed Wheel complete, Nos. 200386c, 208109 to 208111, 208214 and 208216
200956c	12411	Feed Wheel Yoke Clamping Screw
200948c	12410	" " " Hinge Screw
200953c	12410	" " " Raising Screw
201520n	12410	" " " " " Nut
200405c	12410	" " " Set Screw
201520n	12410	" " " " " Nut
208118	12416	Foot Lifter Bell Crank
200973n	12416	" " " " Hinge Screw
200666c	12410	" " " " Stop Screw
208119	12415	Guide Bracket with 200334c and 201533n
200100e	12410	Guide Bracket Screw (2)
208120	12409	" Plate with 208126 and two 208127
200187b	12409	Guide Plate Adjusting Screw
228043	12409	" " " " Washer
208122	12409	" " Reed Guide (adjustable)
208123	12409	" " Stay Guide (adjustable)
208124	12409	" " " " Adjusting Lever
200305b	12409	Guide Plate Stay Guide Adjusting Lever Hinge Screw
201537n	12423	Guide Plate Stay Guide Adjusting Lever Hinge Screw Nut
208125	12409	Guide Plate Stay Guide Adjusting Lever Link
200952b	12409	Guide Plate Stay Guide Adjusting Lever Link Hinge Screw
208126	12423	Guide Plate Stay Guide Adjusting Lever Stop
208127	12401	Guide Plate Stay Guide Adjusting Lever Stop Pin

No.	Plate	Name
200952b	12409	Guide Plate Stay Guide Screw
208128	12409	" " Swing Plate
208240	-----	Guide complete, Nos. 200187b, 200305b, 201537e, 208120, 208122 to 208125, 208128, 228043 and four 200952b
200334c	12411	Guide Swing Plate Adjusting Screw
201533n	12423	" " " " " Nut
200268b	12410	Guide Swing Plate Hinge Screw
226467	12409	" " " " " Washer
208130	-----	Guide Bracket and Guide complete, Nos. 200268b, 208119, 208240, 226467 and two 200100n
208131	12408	Hook with 208135
208132	12407	" Bracket with three each 200386c and 204234
208219	-----	Hook Bracket 208132 with 208131, 208144, 208145 and two 208248
200386c	12410	Hook Bracket Adjusting Screw
200085c	12410	" " Screw (2)
208263	12423	" Cover
200581n	12410	" " Screw (2)
208255	-----	" Driver with 208142
208246	-----	" " Crank
208247	12408	" " " 208246 with 200348c, 200378c, 200440c, 200662c and 201530e
204241	12408	Hook Driver Crank Link
200440c	12410	" " " Position Screw
200348c	12411	" " " Set Screw (long)
200378c	12411	" " " " " (short)
200662c	12411	" " " Stud
201530e	12410	" " " " Nut
208256	-----	" " Needle Guard
204243	12423	" " " " Pin
201409f	12423	" " " " Screw
208142	12423	" " Washer
208257	12424	Hook Driver complete, Nos. 201409f, 208255, 208256 and two 204243
208144	12407	Hook Race
208145	12407	" " Cap
200802e	12407	" " " Screw (short)
208248	-----	" " " " 200802e with 208146 (2)
208146	12407	Hook Race Cap Screw Spring (short)
204234	12412	Hook Race Position Pin

No.	Plate	Name
208078	12424	Needle Bar with 200125r
208260	12425	" " Bushing (lower)
200399c	12410	" " " " Set Screw
208079	12425	" " " (upper)
200399c	12410	" " " " Set Screw
208080	12425	" " Connection with 202244 and two 200394c
208153	12408	Needle Bar Connection Guide Roller
208154	12405	" " " Hinge Pin ...
200368h	12413	" " " " " Set Screw
208155	12425	Needle Bar Connection Link (lower)
208210	-	" " " " 208155 with 200951c, 201525c and 208156
208156	12425	Needle Bar Connection Link (upper)
200951c	12425	" " " " Hinge Screw
201525c	12425	Needle Bar Connection Link Hinge Screw Nut
202244	12414	Needle Bar Connection Oil Pack- ing (wick)
200394c	12413	Needle Bar Connection Set Screw ..
200960	12411	" " Disengaging Cam Fol- lower Screw Stud
201542c	12411	Needle Bar Disengaging Cam Fol- lower Screw Stud Nut
208158	12416	Needle Bar Disengaging Cam Fol- lower Shaft
208220	-	Needle Bar Disengaging Cam Fol- lower Shaft 208158 with 208167, 208169 and two 200670c
208159	12412	Needle Bar Disengaging Cam Fol- lower Shaft Spring
208160	12425	Needle Bar Disengaging Cam Fol- lower Shaft Spring Adjusting Col- lar with 200098b
200098b	12410	Needle Bar Disengaging Cam Fol- lower Shaft Spring Adjusting Col- lar Clamping Screw
208160	12425	Needle Bar Disengaging Cam Fol- lower Shaft Stop Collar with 200098b
200098b	12410	Needle Bar Disengaging Cam Fol- lower Shaft Stop Collar Clamp- ing Screw
208162	12406	Needle Bar Disengaging Cam Fol- lower Shaft Stop Collar Washer (rawhide)

No.	Plate	Name
208163	12416	Needle Bar Disengaging Cam Ring
200580c	12410	" " " " " Screw (3)
208164	12412	Needle Bar Disengaging Clutch with 200373c and 208249
208165	12406	Needle Bar Disengaging Clutch Pin
200373c	12413	" " " " " Set Screw
208166	12406	Needle Bar Disengaging Clutch Stud with 202251
208249	12425	Needle Bar Disengaging Clutch Stud Bushing
202251	12412	Needle Bar Disengaging Clutch Stud Oil Packing (wick)
208167	12419	Needle Bar Disengaging Lever
208168	12412	" " " " Hinge Stud (eccentric)
200338c	12411	Needle Bar Disengaging Lever Hinge Stud Set Screw
208169	12405	Needle Bar Disengaging Lever Link
200670c	12405	" " " " " Hinge Screw
200405c	12410	Needle Bar Disengaging Lever Stop Screw
201520h	12410	Needle Bar Disengaging Lever Stop Screw Nut
208173	12417	Needle Bar Driving Connection with 200027c and 201531h
200027c	12411	Needle Bar Driving Connection Screw
201531h	12425	Needle Bar Driving Connection Screw Jam Nut
208170	12416	Needle Bar Driving Crank with 200404c, 201528c and 208250
208224	-	Needle Bar Driving Crank 208170 with 208164 and 208166
208250	12425	Needle Bar Driving Crank Bushing
200945c	12411	" " " " Hinge Screw
201517c	12411	Needle Bar Driving Crank Hinge Screw Nut
208171	12417	Needle Bar Driving Eccentric with 200362c and 200137c
208244	-	Needle Bar Driving Eccentric 208171 with 208172, 208173 and two 200578h
208172	12417	Needle Bar Driving Eccentric Cap
200578h	12401	" " " " " Screw

No.	Plate	Name
200437c	12411	Needle Bar Driving Eccentric Position Screw
200362c	12411	Needle Bar Driving Eccentric Set Screw
208174	12419	Needle Bar Driving Shaft with two 200368u
208176	12415	Needle Bar Driving Shaft Bushing (back)
200347c	12411	Needle Bar Driving Shaft Bushing (back) Set Screw
208175	12416	Needle Bar Driving Shaft Bushing (front)
200440c	12410	Needle Bar Driving Shaft Bushing (front) Set Screw
200954c	12410	Needle Bar Driving Shaft Clutch Position Set Screw (frame)
201520u	12410	Needle Bar Driving Shaft Clutch Position Set Screw Nut
208177	12412	Needle Bar Driving Shaft Collar with two 200364c
200364c	12413	Needle Bar Driving Shaft Collar Set Screw
208086	12412	Needle Bar Driving Shaft Friction Washer
200667c	12411	Needle Bar Driving Shaft Position Stud
200401c	12411	Needle Bar Driving Shaft Position Stud Set Screw (crank)
201528E	12410	Needle Bar Driving Shaft Position Stud Set Screw Nut
200062u	12411	Needle Bar Driving Shaft Thrust Screw
208077	----	Needle Bar Driving Shaft complete, Nos. 208080, 208153, 208154, 208165, 208174, 208210 and 208224
200125F	12413	Needle Set Screw
208181	12417	Presser Bar with 200074E
208260	12425	" " Bushing
200383c	12425	" " " Set Screw
208184	12401	" " Guide with 200048u ..
200048u	12411	" " " Clamping Screw
202671	12425	" " Lifter
208186	12425	" " " Bracket with 200051u
200051E	12411	Presser Bar Lifter Bracket Clamping Screw
200293D	12410	Presser Bar Lifter Bracket Hinge Screw

No.	Plate	Name
208190	12403	Presser Bar Lifter Bracket Link
200293D	12410	" " " " "
		Hinge Screw
200653c	12410	Presser Bar Lifter Hinge Screw ..
208187	12403	" " Lifting Bell Crank
200262u	12410	" " " " "
		Hinge Screw
208188	12417	Presser Bar Lifting Bell Crank Rod
201521c	12410	" " " " " "
		Jam Nut
201543c	12410	Presser Bar Lifting Bell Crank Rod Swivel Nut
208189	12103	Presser Bar Lifting Bell Crank Spring
202378	12125	Presser Bar Spring
208192	12125	" " " Plunger
200492E	12410	" " Thumb Screw
208183	12403	" Foot
200074E	12401	" " Screw
202068	12401	Spool Holder Base
200575u	12410	" " " Screw
201296	12401	" " Wire
200079u	12401	" " " Hinge Screw
201297	12418	Spool Holder complete, Nos. 200079u, 202068 and 204296
203962	12106	Tension Disc
208194	12406	" Release Lever
200260D	12406	" " " Hinge Screw
208195	12106	" " Plunger
201271	12106	" " Washer
211321	12106	" Spring
201572E	10881	" " Thumb Nut
200947E	12106	" Stud with 208245
208196	12106	" " Extension
208245	12125	" " Washer
208197	12106	Tension complete, Nos. 200947E, 201572E, 204271, 214321 and two 203962
202112	12401	Thread Guide
202571	12401	" " (on Arm)
208199	12401	" " (on Arm Head)
200171D	12401	" " " " " Screw
208200	12101	" Leader Bracket with 208127
208127	12401	" " " Pin
200578u	12401	" " " Screw
202098	12401	" " Roller
214554	12101	" " " Cap
200171D	12401	" " " " Screw
202084	12401	" " " " " Washer
200315E	12401	" " " Screw

No.	Plate	Name
208202	-----	Thread Leader complete, Nos. 200171n, 200315n, 202084, 202098, 208200 and 214554
202091	12401	Thread Retainer Sleeve
202092	12401	" " Spring
204058	12401	" " Stud
200397n	12410	" " " Set Screw
204059	12401	Thread Retainer complete, Nos. 202091, 202092 and 204058
208203	12415	Thread Take-up Bracket with 200061e and 201531n
200965e	12405	Thread Take-up Bracket Hinge Screw
201510n	12405	Thread Take-up Bracket Hinge Screw Nut
205631	12405	Thread Take-up Bracket Hinge Screw Washer
201833	12405	Thread Take-up Bracket Roller
215232	12405	" " " " Stud
200061e	12411	" " " " " Clamp Screw
201531n	12425	Thread Take-up Bracket Roller Stud Clamp Screw Nut
208204	-----	Thread Take-up Bracket complete, Nos. 201833, 208203 and 215232
208205	12419	Thread Take-up Cam with 200324c and 200424c
200424c	12411	Thread Take-up Cam Position Screw
200324c	12411	Thread Take-up Cam Set Screw
208212	12405	" " Lever with 200317n, 202098, 214312 and two 200172n
200157n	12410	Thread Take-up Lever Screw (2)
202098	12401	" " Roller
214312	12405	" " " Cap
200172n	12410	" " " " Screw
200317n	12401	" " " " Screw
208207	12414	Throat Plate
200577n	12410	" " " Screw (4)
208208	12403	" " Separating Guide
200946e	12410	" " " " Hinge Screw
208209	12403	Throat Plate Separating Guide Spring
200172n	12410	Throat Plate Separating Guide Spring Screw
208211	-----	Throat Plate complete, 53 needle hole, for needle sizes 12 and 13, Nos. 200946e, 208207 to 208209 and two 200172n

LIST OF PARTS COMPLETE

FOR

MACHINE No. 103w3

WHEEL FEED. MOVABLE HEAD

For Sewing a Sweat Leather with Reed or Wire Attached,
into Stiff, Soft and Straw Hats

Makes $\frac{1}{4}$ inch stitches

No.	Plate	Name
208081		Arm Head
208082	12412	" " Collar with 200364c
200364c	12413	" " " Set Screw
208083	12403	" " Friction Disc (rawhide)
208084	12403	" " " " Follower
208085	12403	" " " " " Spring
200949n	12410	Arm Head Friction Disc Follower Spring Adjusting Screw
208232	12412	Arm Head Friction Washer
208087	12406	" " Lock Pin
208088	12423	" " " " Releasing Bracket with 200054e
200054e	12411	Arm Head Lock Pin Releasing Bracket Clamping Screw
208089	12412	Arm Head Lock Pin Socket
225547	12406	" " " " Spring
200372c	12411	" " " " " Retaining Screw
200062n	12411	Arm Head Screw
208239	12423	" " Stop with 200986c and 201612c
200986c	12413	Arm Head Stop Adjusting Screw
201612c	12413	" " " " " Nut
208238	12413	" " " " Plate
202602	12423	" " " " Pin (2)
200089e	12411	" " " " Screw (2)
200157n	12410	" " " " (2)
208113		" and Bed (one piece)
208114		" " " Base
203184	12408	" " " " Clamp
200262n	12410	" " " " " Hinge Screw

No.	Plate	Name
208120	12409	Guide Plate with 208126 and two 208127
200187R	12409	Guide Plate Adjusting Screw
228043	12409	" " " " Washer
208122	12409	" " Reed Guide (adjustable)
208123	12409	" " Stay Guide (adjustable)
208124	12409	" " " " Adjusting Lever
200305R	12409	Guide Plate Stay Guide Adjusting Lever Hinge Screw
201537R	12423	Guide Plate Stay Guide Adjusting Lever Hinge Screw Nut
208125	12409	Guide Plate Stay Guide Adjusting Lever Link
200952R	12409	Guide Plate Stay Guide Adjusting Lever Link Hinge Screw
208126	12423	Guide Plate Stay Guide Adjusting Lever Stop
208127	12401	Guide Plate Stay Guide Adjusting Lever Stop Pin
200952R	12409	Guide Plate Stay Guide Screw ...
208128	12409	" Swing Plate
208240	—	Guide complete, Nos. 200187R, 200305R, 201537R, 208120, 208122 to 208125, 208128, 228043 and four 200952R
200334C	12411	Guide Swing Plate Adjusting Screw
201533R	12423	" " " " " " Nut
200268R	12410	Guide Swing Plate Hinge Screw
226467	12409	" " " " " " Washer
208130	—	Guide Bracket and Guide complete, Nos. 200268R, 208119, 208210, 226467 and two 200100R
208131	12408	Hook with 208135
208132	12407	" Bracket with three each 200386C and 204234
208219	—	Hook Bracket 208132 with 208131, 208144, 208145 and two 208248
200386C	12410	Hook Bracket Adjusting Screw
200085C	12410	" Screw (2)
208263	12423	" Cover
200581R	12410	" " Screw (2)
208255	—	" Driver with 208142
208246	—	" " Crank
208247	12408	" " " 208246 with 200348C, 200378C, 200440C, 200662C and 201530R

No.	Plate	Name
204241	12408	Hook Driver Crank Link
200440C	12410	" " " Position Screw
200348C	12411	" " " Set Screw (long)
200378C	12411	" " " " " (short)
200662C	12411	" " " Stud
201530R	12410	" " " " Nut
208256	—	" " Needle Guard
204243	12423	" " " " Pin
201409R	12423	" " " " Screw
208112	12423	" " Washer
208257	12424	Hook Driver complete, Nos. 201409R, 208255, 208256 and two 204243
208144	12407	Hook Race
208145	12407	" " Cap
200802R	12407	" " " Screw (short) ...
208248	—	" " " " 200802R with 208146 (2)
208146	12407	Hook Race Cap Screw Spring (short)
204234	12412	Hook Race Position Pin
208078	12424	Needle Bar with 200125R
208260	12425	" " Bushing (lower)
200399C	12410	" " " " " Set Screw
208079	12425	Needle Bar Bushing (upper)
200399C	12410	" " " " " Set Screw
208080	12425	Needle Bar Connection with 202244 and two 200394C
208153	12408	Needle Bar Connection Guide Roller
208154	12405	" " " Hinge Pin ...
200368R	12413	" " " " " Set Screw
208155	12425	Needle Bar Connection Link (lower)
208210	—	Needle Bar Connection Link 208155 with 200954C, 20125R and 208156
208156	12425	Needle Bar Connection Link (upper)
200954C	12425	Needle Bar Connection Link Hinge Screw
201525R	12425	Needle Bar Connection Link Hinge Screw Nut
202244	12414	Needle Bar Connection Oil Packing (wick)
200394C	12413	Needle Bar Connection Set Screw
208173	12417	" " Driving Connection with 200027R and 201531R
200027R	12411	Needle Bar Driving Connection Screw

No.	Plate	Name
201531n	12425	Needle Bar Driving Connection Screw Jam Nut
208270	12424	Needle Bar Driving Crank with 200363c and 200439c
200945c	12411	Needle Bar Driving Crank Hinge Screw
201517c	12411	Needle Bar Driving Crank Hinge Screw Nut
200439c	12425	Needle Bar Driving Crank Posi- tion Screw
200363c	12411	Needle Bar Driving Crank Set Screw
208171	12417	Needle Bar Driving Eccentric with 200362c and 200437c
208244	—	Needle Bar Driving Eccentric 208171 with 208172, 208173 and two 200578n
208172	12417	Needle Bar Driving Eccentric Cap
200578n	12401	" " " " " " Screw
200437c	12411	Needle Bar Driving Eccentric Posi- tion Screw
200362c	12411	Needle Bar Driving Eccentric Set Screw
208271	12424	Needle Bar Driving Shaft with two 200368n
208272	12424	Needle Bar Driving Shaft Bushing (back)
200347c	12411	Needle Bar Driving Shaft Bushing (back) Set Screw
208175	12416	Needle Bar Driving Shaft Bushing (front)
200440c	12410	Needle Bar Driving Shaft Bushing (front) Set Screw
208177	12412	Needle Bar Driving Shaft Collar with two 200364c
200364c	12413	Needle Bar Driving Shaft Collar Set Screw
208086	12412	Needle Bar Driving Shaft Friction Washer
200062n	12411	Needle Bar Driving Shaft Thrust Screw
208273	—	Needle Bar Driving Shaft complete, Nos. 208080, 208153, 208154, 208210 and 208271
200125c	12413	Needle Set Screw

No.	Plate	Name
208181	12417	Presser Bar with 200074n
208260	12425	" " Bushing
200383c	12425	" " " Set Screw
208184	12401	" " " Guide with 200048n
200048n	12411	" " " Clamping Screw
202671	12425	" " " Lifter
208186	12425	" " " Bracket with 200051c
200051c	12411	Presser Bar Lifter Bracket Clamp- ing Screw
200293n	12410	Presser Bar Lifter Bracket Hinge Screw
208190	12403	Presser Bar Lifter Bracket Link
200293n	12410	" " " " " Hinge Screw
200653c	12410	Presser Bar Lifter Hinge Screw
208187	12403	" " " Lifting Bell Crank
200262n	12410	" " " " " Hinge Screw
208188	12417	Presser Bar Lifting Bell Crank Rod
201521c	12410	" " " " " " Jam Nut
201543c	12410	Presser Bar Lifting Bell Crank Rod Swivel Nut
208189	12403	Presser Bar Lifting Bell Crank Spring
202378	12425	Presser Bar Spring
208192	12425	" " " Plunger
200492n	12410	" " " Thumb Screw
208251	12424	" " " Foot
200074c	12401	" " " Screw
202068	12401	Spool Holder Base
200575n	12410	" " " " Screw
204296	12401	" " " Wire
200079n	12401	" " " Hinge Screw
204297	12418	Spool Holder complete, Nos. 200079n, 202068 and 204296
203962	12406	Tension Disc
208194	12406	" " " Release Lever
200260n	12406	" " " " Hinge Screw
208195	12406	" " " Plunger
204271	12406	" " " Washer
214321	12406	" " " Spring
201572n	10881	" " " Thumb Nut
200947n	12406	" " " Stud with 208245
208196	12406	" " " Extension
208245	12425	" " " Washer
208197	12406	Tension complete, Nos. 200947n, 201572n, 204271, 214321 and two 203962

ACCESSORIES

FOR MACHINE No. 103w2

No.	Plate	Name
213710	12408	Bobbin
*225482	-----	" Case Screw Driver Blade ..
*225483	-----	" " " " Handle ..
225497	12418	Bobbin Case Screw Driver complete, Nos. 225482 and 225483 ..
126 x3	-----	Needles, six, size 18
41564	12418	Machine Rest Pin (wood)
120342	12418	Oiler (copper plated) with 120343
120343	12418	" Spout, 3½ in. long
*225484	-----	Screw Driver Blade
*225485	-----	" " Handle
225498	12418	Screw Driver complete (7¼ in. long), Nos. 225484 and 225485 ...
25537	12418	Screw Driver (machine)
202511	12418	Wrench
225554	12418	" (steel)
126 x7	-----	Needles, six, size 22 (when fitted for straw hats)

BOBBIN WINDER

Swing Automatic, Right Hand

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	12413	" Set Screw
225381	10884	Spindle
225444	10884	Stop Latch
200056E	10884	" " Screw
225458	10884	" " Thumb Lever
225459	10884	" " " " Hinge Stud
225459	10884	" " " " Joint Stud
202478	10884	" " Trip Lever
200299H	10884	" " " " Hinge Screw

No.	Plate	Name
225461	10881	Tension Bracket with 201499b
200082b	10881	" " Screw
228026	10884	" " " Washer
2102	10881	" Disc
202407	10881	" Spring
201499b	10881	" Stud
201572b	10881	" " Thumb Nut
225462	10881	Bobbin Winder Tension Bracket complete, Nos. 201572b, 202407, 225461 and two 2102
225433	10885	Bobbin Winder and Tension Bracket Base
225382	10885	Universal Bobbin Winder complete, Nos. 200056E, 200082b, 200299H, 202473, 202478, 225381, 225433, 225444, 225453 to 225456, 225458, 225462, 228026, two each 225459 and wood screws ¾ in., No. 12, R.H.B.

TREADLE, SINGLE FOOT (RIGHT)

227610	12419	Treadle, single foot (right) with 200526c
227779	12419	Treadle Chain, 48 in. long, with two 202784
227612	12419	Treadle Chain Eye Pin
202784	12413	" " " " Hook
200526c	12411	" " " " Set Screw
227613	12419	" Shaft
227614	12419	" Spring
227620	12419	" Stand with four wood screws ¾ in., No. 12
227621	-----	Treadle, single foot (right) and Stand complete, Nos. 227610, 227612 to 227614, 227620 and 227779

FOR MACHINE No. 103w3

Same as Machine No. 103w2 with the following exception:

126 x7	-----	Needle, six, size 22, in place of 126x3
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FITTINGS FOR VARIOUS KINDS OF HATS

FOR STIFF HATS

FOR MACHINE No. 103w2

No.	Plate	Name
208108	12416	Feed Wheel
208240	---	Guide complete, Nos. 200187r, 200305r, 201537r, 208120, 208122 to 208125, 208128, 228043 and four 200952r
208183	12403	Presser Foot

FOR MACHINE No. 103w3

208268	12424	Feed Wheel
208240	---	Guide complete, Nos. 200187r, 200305r, 201537r, 208120, 208122 to 208125, 208128, 228043 and four 200952r
208251	12424	Presser Foot

FOR STIFF HATS WITH WIRE REEDED SWEAT

Permits Placing Line of Stitching Higher on Crown

FOR MACHINE No. 103w2

208108	12416	Feed Wheel
208240	---	Guide complete, Nos. 200187r, 200305r, 201537r, 208120, 208122 to 208125, 208128, 228043 and four 200952r
208251	12424	Presser Foot
208252	12425	Throat Plate Separating Guide, used in place of 208208

FOR SOFT HATS

FOR MACHINE No. 103w2

No.	Plate	Name
208108	12416	Feed Wheel
208243	12414	Presser Foot
208242	12414	Stay Guide
200466r	12413	" " Screw

FOR MACHINE No. 103w3

208276	12424	Feed Wheel
208277	---	Feed Wheel complete, Nos. 200386r, 208109 to 208114, 208214 and 208276
208251	12424	Presser Foot
208242	12414	Stay Guide
200466r	12413	" " Screw

FOR PANAMA HATS

FOR MACHINE No. 103w2

208225	12416	Feed Wheel
208226	---	" " 208225 with 208163 and three 200580c
208240	---	Guide complete, Nos. 200187r, 200305r, 201537r, 208120, 208122 to 208125, 208128, 228043 and four 200952r
208183	12403	Presser Foot

FOR MACHINE No. 103w3

208268	12424	Feed Wheel
208240	---	Guide complete, Nos. 200187r, 200305r, 201537r, 208120, 208122 to 208125, 208128, 228043 and four 200952r
208183	12403	Presser Foot

FOR STRAW HATS

FOR MACHINE No. 103w2

No.	Plate	Name
208225	12416	Feed Wheel
208226	-	" " 208225 with 208163 and three 200580c
208240	-	Guide complete, Nos. 200187b, 200305g, 201537e, 208120, 208122 to 208125, 208128, 228043 and four 200952b
208251	12424	Presser Foot

FOR MACHINE No. 103w3

208268	12424	Feed Wheel
208240	-	Guide complete, Nos. 200187b, 200305g, 201537e, 208120, 208122 to 208125, 208128, 228043 and four 200952b
208251	12424	Presser Foot

NUMERICAL LIST OF PARTS

FOR

MACHINES

Nos. 103w2 and 103w3

NUMERICAL LIST OF PARTS

No.	Plate	Name
591i	12408	Bobbin Case Tension Spring Screw, for 208076
592i	12408	Bobbin Case Stop Screw, for 208076
2102	10881	" Winder Tension Disc, for 225162
2523		Bobbin Case Position Finger Rivet, for 208075
2973	12408	Bobbin Case Latch Lever, for 15141
2974	12408	" " " Fulcrum Pin, for 15141
15140	12408	Bobbin Case Latch, for 15141
15141	12423	" " Hinge, Nos. 2973, 2974 and 15140, for 208076
15278	12423	Bobbin Case Tension Spring, for 208076
25537	12418	Screw Driver (machine)
11564	12418	Machine Rest Pin (wood)
120342	12418	Oilier (copper plated) with 120343
120343	12418	" Spout, 3½ in. long, for 120342
200027i	12411	Needle Bar Driving Connection Screw, for 208173
200029	12423	Feed Fork Connection Pinch Screw, for 208258
200030i	12408	Arm and Bed Base Hinge Screw, ..
200048i	12411	Presser Bar Guide Clamping Screw, for 208184
200054i	12411	Arm Head Lock Pin Releasing Bracket Clamping Screw, for 208088
200054i	12411	Presser Bar Lifter Bracket Clamp ing Screw, for 208186
200056i	10884	Bobbin Winder Stop Latch Screw, for 225382
200064i	12414	Thread Take-up Bracket Roller Stud Clamp Screw, for 208203 ..
200062i	12411	Arm Head Screw
200062i	12411	Driving Shaft Thrust Screw
200062i	12411	Needle Bar Driving Shaft Thrust Screw
200074i	12401	Presser Foot Screw, for 208181
200079i	12401	Spool Holder Wire Hinge Screw, for 204297
200082i	10881	Bobbin Winder Tension Bracket Screw, for 225382

No.	Plate	Name
200085c	12410	Hook Bracket Screw
200089e	12411	Arm Head Stop Screw
200098b	12410	Needle Bar Disengaging Cam Fol- lower Shaft Spring Adjusting Col- lar Clamping Screw, for 208160 ..
200098b	12410	Needle Bar Disengaging Cam Fol- lower Shaft Stop Collar Clamping Screw, for 208160
200100b	12410	Face Plate Screw
200100e	12410	Guide Bracket Screw, for 208130 ..
200125f	12413	Needle Set Screw, for 208078
200157b	12410	Arm Head Stop Screw
200157b	12410	Thread Take-up Lever Screw
200171b	12401	" Guide (on Arm Head) Screw
200171b	12401	" Leader Roller Cap Screw, for 208202
200172b	12410	Thread Take-up Roller Cap Screw, for 208212
200172b	12410	Throat Plate Separating Guide Spring Screw, for 208211 and 208275
200187b	12409	Guide Plate Adjusting Screw, for 208240
200260b	12406	Tension Release Lever Hinge Screw
200262b	12410	Arm and Bed Base Clamp Hinge Screw
200262b	12410	Presser Bar Lifting Bell Crank Hinge Screw
200268b	12410	Guide Swing Plate Hinge Screw, for 208130
200274b	12410	Feed Rock Shaft Pawl Spring Screw, for 208107 and 208267
200293b	12410	Presser Bar Lifter Bracket Hinge Screw
200293b	12410	Presser Bar Lifter Bracket Link Hinge Screw
200299b	10884	Bobbin Winder Trip Lever Hinge Screw, for 225382
200305b	12409	Guide Plate Stay Guide Adjusting Lever Hinge Screw, for 208210 ..
200315e	12401	Thread Leader Roller Screw, for 208202
200317b	12401	Thread Take-up Roller Screw, for 208212
200324c	12411	Thread Take-up Cam Set Screw, for 208205
200334c	12411	Guide Swing Plate Adjusting Screw, for 208119
200335c	12413	Driving Shaft Crank Set Screw, for 208259

No.	Plate	Name
200338c	12411	Needle Bar Disengaging Lever Hinge Stud Set Screw, for Ma- chine No. 103w2
200347c	12411	Driving Shaft Bushing Set Screw ..
200347c	12411	Needle Bar Driving Shaft Bushing (back) Set Screw
200348c	12411	Hook Driver Crank Set Screw (long), for 208247
200352c	12411	Driving Shaft Wheel Position Screw, for 208099
200362c	12411	Feed Cam Set Screw, for 208101 and 208264
200362c	12411	Needle Bar Driving Eccentric Set Screw, for 208171
200363c	12411	Driving Shaft Wheel Set Screw, for 208099
200363c	12411	Needle Bar Driving Crank Set Screw, for 208270
200364c	12413	Arm Head Collar Set Screw, for 208082
200364c	12413	Needle Bar Driving Shaft Collar Set Screw, for 208177
200368b	12413	Needle Bar Connection Hinge Pin Set Screw, for 208174 and 208271 ..
200372c	12411	Arm Head Lock Pin Spring Retain- ing Screw
200373c	12413	Needle Bar Disengaging Clutch Set Screw, for 208164
200378c	12411	Hook Driver Crank Set Screw (short), for 208247
200380c	12413	Bobbin Winder Pulley Set Screw, for 202473
200383c	12425	Presser Bar Bushing Set Screw ..
200386c	12410	Feed Wheel Retaining Clutch Spring Screw, for 208112, 208269 and 208277
200386c	12410	Hook Bracket Adjusting Screw, for 208132
200392c	12413	Feed Rock Shaft Thrust Collar Set Screw, for 203244
200394c	12413	Needle Bar Connection Set Screw, for 208080
200397b	12410	Thread Retainer Stud Set Screw ..
200399c	12410	Needle Bar Bushing (lower) Set Screw
200399c	12410	Needle Bar Bushing (upper) Set Screw
200404c	12411	Needle Bar Driving Shaft Position Stud Set Screw (crank), for 208170

No.	Plate	Name
200405c	12410	Feed Wheel Yoke Set Screw
200405c	12410	Needle Bar Disengaging Lever Stop Screw, for Machine No. 103w2 ..
200421c	12411	Thread Take-up Cam Position Screw, for 208205
200431c	12411	Driving Shaft Crank Position Screw, for 208259
200437c	12411	Feed Cam Position Screw, for 208101 and 208264
200437c	12411	Needle Bar Driving Eccentric Position Screw, for 208171
200439c	12425	Needle Bar Driving Crank Position Screw, for 208270
200440c	12410	Hook Driver Crank Position Screw, for 208247
200440c	12410	Needle Bar Driving Shaft Bushing (front) Set Screw
200466b	12413	Stay Guide Screw
200469b	12410	Face Plate Thumb Screw
200492b	12410	Presser Bar Thumb Screw
200526c	12411	Treadle Chain Eye Pin Set Screw, for 227610
200575h	12410	Spool Holder Base Screw
200577h	12410	Driving Shaft Crank Cover Screw
200577h	12410	Throat Plate Screw
200578h	12401	Needle Bar Driving Eccentric Cap Screw, for 208244
200578h	12401	Thread Leader Bracket Screw
200580c	12410	Needle Bar Disengaging Cam Ring Screw, for 208216 and 208226 ...
200581h	12410	Hook Cover Screw
200582h	12410	Cylinder End Plate Screw
200653c	12410	Presser Bar Lifter Hinge Screw ..
200662c	12411	Hook Driver Crank Stud, for 208247
200666c	12410	Foot Lifter Bell Crank Stop Screw
200667c	12411	Needle Bar Driving Shaft Position Stud, for Machine No. 103w2 ..
200669c	12411	Driving Shaft Crank Stud, for 208259
200670c	12405	Needle Bar Disengaging Lever Link Hinge Screw, for 208220
200728b	12405	Arm and Bed Base Wing Screw ..
200802e	12407	Hook Race Cap Screw (short), for 208248
200942d	12410	Feed Rock Shaft Pawl Hinge Screw, for 208107 and 208267
200945c	12411	Needle Bar Driving Crank Hinge Screw

No.	Plate	Name
200946b	12410	Throat Plate Separating Guide Hinge Screw, for 208211 and 208275
200947b	12406	Tension Stud with 208245, for 208197
200948c	12410	Feed Wheel Yoke Hinge Screw ..
200949b	12410	Arm Head Friction Disc Follower Spring Adjusting Screw
200951c	12425	Needle Bar Connection Link Hinge Screw, for 208210
200952b	12409	Guide Plate Stay Guide Adjusting Lever Link Hinge Screw, for 208210
200952b	12409	Guide Plate Stay Guide Screw, for 208210
200953b	12410	Feed Wheel Yoke Raising Screw ..
200954c	12410	Needle Bar Driving Shaft Clutch Position Set Screw (frame), for Machine No. 103w2
200956c	12411	Feed Wheel Yoke Clamping Screw, for 208111
200960	12411	Needle Bar Disengaging Cam Follower Screw Stud, for Machine No. 103w2
200965c	12405	Thread Takeup Bracket Hinge Screw
200973b	12410	Foot Lifter Bell Crank Hinge Screw
200986c	12413	Arm Head Stop Adjusting Screw, for 208239
201409b	12423	Hook Driver Needle Guard Screw, for 208257
201499b	10881	Bobbin Winder Tension Stud, for 225461
201510b	12405	Thread Takeup Bracket Hinge Screw Nut
201517b	12411	Needle Bar Driving Crank Hinge Screw Nut
201520b	12410	Feed Wheel Yoke Raising Screw Nut
201520h	12410	Feed Wheel Yoke Set Screw Nut ..
201520h	12410	Needle Bar Disengaging Lever Stop Screw Nut, for Machine No. 103w2 ..
201520h	12410	Needle Bar Driving Shaft Clutch Position Set Screw Nut, for Machine No. 103w2
201521c	12410	Presser Bar Lifting Bell Crank Rod Jam Nut
201525b	12425	Needle Bar Connection Link Hinge Screw Nut, for 208210

No.	Plate	Name
201528e	12410	Feed Rock Shaft Pawl Hinge Screw Nut, for 208107 and 208267
201528e	12410	Needle Bar Driving Shaft Position Stud Set Screw Nut, for 208170 ..
201530e	12410	Driving Shaft Crank Stud Nut, for 208259
201530e	12410	Hook Driver Crank Stud Nut, for 208247
201531u	12425	Needle Bar Driving Connection Screw Jam Nut, for 208173
201531u	12425	Thread Take-up Bracket Roller Stud Clamp Screw Nut, for 208203 ..
201533u	12423	Guide Swing Plate Adjusting Screw Nut, for 208119
201537u	12423	Guide Plate Stay Guide Adjusting Lever Hinge Screw Nut, for 208210
201542c	12411	Needle Bar Disengaging Cam Follower Screws Nut, for Machine No. 103w2
201543c	12410	Presser Bar Lifting Bell Crank Rod Swivel Nut
201572b	10881	Bobbin Winder Tension Stud Thumb Nut, for 225462
201572b	10881	Tension Spring Thumb Nut, for 208197
201612c	12413	Arm Head Stop Adjusting Screw Nut, for 208239
201833	12405	Thread Take-up Bracket Roller, for 208204
202062	12412	Feed Wheel Friction Spring Position Pin, for 208114
202068	12401	Spool Holder Base, for 204297
202084	12401	Thread Leader Roller Cap Screw Washer, for 208292
202091	12401	Thread Retainer Sleeve, for 204059 ..
202092	12401	" " Spring, for 204059 ..
202098	12401	" Leader Roller, for 208202 ..
202098	12401	" Take-up Roller, for 208212 ..
202244	12414	Needle Bar Connection Oil Packing (wick), for 208080
202254	12412	Needle Bar Disengaging Clutch Stud Oil Packing (wick), for 208166
202277	—	Bobbin Winder Frame Oil Packing (wick), for 225453
202378	12425	Presser Bar Spring
202407	10881	Bobbin Winder Tension Spring, for 225462
202412	12401	Thread Guide

No.	Plate	Name
202473	10885	Bobbin Winder Pulley with 200380c, for 225382
202478	10884	Bobbin Winder Stop Latch Trip Lever, for 225382
202511	12418	Wrench
202571	12401	Thread Guide (on Arm)
202602	12423	Arm Head Stop Plate Pin
202602	12423	" and Bed Side Cover Position Pin
202622	12408	Arm and Bed Base Clamp Hinge Screw Washer
202671	12425	Presser Bar Lifter
202784	12413	Treadle Chain Eye Pin Hook, for 227779
203184	12108	Arm and Bed Base Clamp
203185	12408	" " " " Wing Screw Washer
203244	12406	Feed Rock Shaft Thrust Collar with two 200393c
203962	12406	Tension Disc, for 208197
204058	12401	Thread Retainer Stud, for 204059 ..
204059	12401	Thread Retainer complete, Nos. 202091, 202092 and 204058
204234	12412	Hook Race Position Pin, for 208132 ..
204241	12108	" Driver Crank Link
204243	12423	" " Needle Guard Pin, for 208257
204271	12106	Tension Release Washer, for 208197 ..
204296	12401	Spool Holder Wire, for 204297
204297	12418	Spool Holder complete, Nos. 200079u, 202068 and 204296
205634	12405	Thread Take-up Bracket Hinge Screw Washer
*208075	—	Bobbin Case Body with 2523 and 208134, for 208076
208076	12423	Bobbin Case complete, Nos. 591e, 592e, 15141, 15278, 208075 and 210736
208077	—	Needle Bar Driving Shaft complete, Nos. 208080, 208153, 208154, 208165, 208174, 208210 and 208224, for Machine No. 103w2
208078	12424	Needle Bar with 200125e
208079	12425	" " Bushing (upper)
208080	12125	" " Connection with 202244 and two 200394c, for 208077 and 208273
*208081	—	Arm Head

No.	Plate	Name
208082	12412	Arm Head Collar with 200364c
208083	12403	" " Friction Disc (rawhide)
208084	12403	" " " " Follower
208085	12403	" " " " " "
		Spring
208086	12412	Needle Bar Driving Shaft Friction Washer
208087	12406	Arm Head Lock Pin
208088	12423	" " " " Releasing Bracket with 200051c
208089	12412	Arm Head Lock Pin Socket
208094	12416	Cylinder End Plate
208095	12415	Driving Shaft
208096	12416	" " Rushing
208098	12415	" " Crank Cover
208099	12419	" " Wheel with 200352c and 200363c
208100	12415	Face Plate
208101	12423	Feed Cam with 200362c and 200437c
208103	12415	" Rock Shaft with 208106, for 208107 and 208267
208104	12403	Feed Rock Shaft Pawl, for 208107
208105	12403	" " " " Spring, for 208107 and 208267
208106	12413	Feed Rock Shaft Pawl Spring Stop Pin, for 208103
208107	---	Feed Rock Shaft complete, Nos. 200274b, 200942b, 204528E and 208103 to 208105, for Machine No. 103w2
208108	12416	Feed Wheel, for 208216
208109	12403	" " Retaining Clutch, for 208112, 208269 and 208277
208110	12403	Feed Wheel Retaining Clutch Spring, for 208112, 208269 and 208277
208111	12416	Feed Wheel Yoke with 200956c and 202062, for 208112, 208269 and 208277
208112	---	Feed Wheel complete, Nos. 200386c, 208109 to 208111, 208214 and 208216, for Machine No. 103w2
208113	-	Arm and Bed (one piece)
208114	-	" " " Base
208115	12415	" " " Hinge
208116	-	" " " Side Cover
208118	12416	Foot Lifter Bell Crank
208119	12415	Guide Bracket with 200334c and 201533n, for 208130

No.	Plate	Name
208120	12409	Guide Plate with 208126 and two 208127, for 208240
208122	12409	Guide Plate Reed Guide (adjustable), for 208240
208123	12409	Guide Plate Stay Guide (adjustable), for 208240
208124	12409	Guide Plate Stay Guide Adjusting Lever, for 208240
208125	12409	Guide Plate Stay Guide Adjusting Lever Link, for 208240
208126	12423	Guide Plate Stay Guide Adjusting Lever Stop, for 208120
208127	12401	Guide Plate Stay Guide Adjusting Lever Stop Pin, for 208120
208127	12401	Thread Leader Bracket Pin, for 208290
208128	12409	Guide Swing Plate, for 208240
208130	-	Guide Bracket and Guide complete, Nos. 200268n, 208119, 208240, 226467 and two 200100E
208131	12408	Hook with 208135, for 208219
208132	12407	" Bracket with three each 200386c and 204234, for 208219
208134	-	Bobbin Case Position Finger, for 208075
208135	-	Bobbin Case Stud, for 208131
208142	12423	Hook Driver Washer, for 208255
208144	12407	" Race, for 208219
208145	12407	" " Cap, for 208219
208146	12407	" " " Screw Spring (short), for 208248
208153	12408	Needle Bar Connection Guide Roller, for 208077 and 208273
208154	12405	Needle Bar Connection Hinge Pin, for 208077 and 208273
208155	12425	Needle Bar Connection Link (lower), for 208210
208156	12425	Needle Bar Connection Link (upper), for 208210
Nos. 208158 to 208160, for Machine No. 103w2		
208158	12416	Needle Bar Disengaging Cam Follower Shaft, for 208220
208159	12412	Needle Bar Disengaging Cam Follower Shaft Spring
208160	12425	Needle Bar Disengaging Cam Follower Shaft Spring Adjusting Collar with 200098b

No.	Plate	Name
208160	12425	Needle Bar Disengaging Cam Follower Shaft Stop Collar with 200098b
208162	12406	Needle Bar Disengaging Cam Follower Shaft Stop Collar Washer (rawhide), for Machine No. 103w2
208163	12416	Needle Bar Disengaging Cam Ring, for 208216 and 208226
208164	12412	Needle Bar Disengaging Clutch with 200373c and 208249, for 208224 ..
208165	12406	Needle Bar Disengaging Clutch Pin, for 208077
208166	12406	Needle Bar Disengaging Clutch Stud with 20225t, for 208224
208167	12419	Needle Bar Disengaging Lever, for 208220
208168	12412	Needle Bar Disengaging Lever Hinge Stud (eccentric), for Machine No. 103w2
208169	12405	Needle Bar Disengaging Lever Link, for 208220
208170	12416	Needle Bar Driving Crank with 200404c, 201528c and 208250, for 208224
208171	12417	Needle Bar Driving Eccentric with 200362c and 200437c, for 208244
208172	12417	Needle Bar Driving Eccentric Cap, for 208244
208173	12417	Needle Bar Driving Connection with 200027E and 201531u, for 208244
208174	12419	Needle Bar Driving Shaft with two 200368u, for 208077
208175	12416	Needle Bar Driving Shaft Bushing (front)
208176	12415	Needle Bar Driving Shaft Bushing (back), for Machine No. 103w2 ..
208177	12412	Needle Bar Driving Shaft Collar with two 200364c
208181	12417	Presser Bar with 200074E
208183	12403	" Foot, for Machine No. 103w2
208184	12401	" Bar Guide with 200048b
208186	12425	" " Lifter Bracket with 200051E
208187	12403	Presser Bar Lifting Bell Crank ..
208188	12417	" " " " Rod
208189	12403	" " " " Spring
208190	12403	" " Lifter Bracket Link ..
208192	12425	" " Spring Plunger

No.	Plate	Name
208194	12406	Tension Release Lever
208195	12406	" " Plunger
208196	12406	" Stud Extension
208197	12406	Tension complete, Nos. 200947b, 201572b, 204271, 214321 and two 203962
208199	12401	Thread Guide (on Arm Head)
208200	12401	" Leader Bracket with 208127, for 208202
208202		Thread Leader complete, Nos. 200171b, 200315E, 202084, 202098, 208200 and 214554
208203	12415	Thread Take-up Bracket with 200061E and 201531u, for 208204 ..
208204		Thread Take-up Bracket complete, Nos. 201833, 208203 and 215232 ..
208205	12419	Thread Take-up Cam with 200324c and 200424c
208207	12414	Thread Plate, for 208211
208208	12403	" " Separating Guide, for 208211 and 208275
208209	12403	Throat Plate Separating Guide Spring, for 208211 and 208275 ..
208210		Needle Bar Connection Link 208155 with 200951c, 201525E and 208156, for 208077 and 208273
208211		Throat Plate complete, 53 needle hole, for needle sizes 12 and 13, Nos. 200946E, 208207 to 208209 and two 200172u, for Machine No. 103w2
208212	12405	Thread Take up Lever with 200317b, 202098, 214312 and two 200172u ..
208214	12403	Feed Wheel Friction Spring, for 208112, 208269 and 208277
208216		Feed Wheel 208108 with 208163 and three 200580c, for 208112
208219		Hook Bracket 208132 with 208131, 208144, 208145 and two 208248 ..
208220		Needle Bar Disengaging Cam Follower Shaft 208158 with 208167, 208169 and two 200670c, for Machine No. 103w2
208224		Needle Bar Driving Crank 208170 with 208164 and 208166, for 208077
208225	12416	Feed Wheel, for 208226
208226		" " 208225 with 208163 and three 200580c

No.	Plate	Name
208232	12412	Arm Head Friction Washer
208238	12413	" " Stop Plate
208239	12423	" " " with 200986c and 201612c
208240	-----	Guide complete, Nos. 200187c, 200305a, 201537c, 208120, 208127 to 208125, 208128, 228043 and four 200952a, for 208130
208242	12414	Stay Guide
208243	12414	Presser Foot
208244	-----	Needle Bar Driving Eccentric 208171 with 208172, 208173 and two 200578n
208245	12425	Tension Stud Washer, for 200947c
208246	-----	Hook Driver Crank, for 208247
208247	12408	" " " 208246 with 200348c, 200378c, 200440c, 200662c and 201530c
208248	---	Hook Race Cap Screw 200892c with 208146, for 208219
208249	12425	Needle Bar Disengaging Clutch Stud Bushing, for 208164
208250	12425	Needle Bar Driving Crank Bushing, for 208149
208251	12424	Presser Foot
208252	12425	Throat Plate Separating Guide ...
208255	-----	Hook Driver with 208142, for 208257
208256	---	" " Needle Guard, for 208257
208257	12424	Hook Driver complete, Nos. 201409c, 208255, 208256 and two 204243 ..
208258	12424	Feed Fork Connection with 200029c
208259	12424	Driving Shaft Crank with 200335c, 200434c, 200669c and 201530c ...
208260	12425	Needle Bar Bushing (lower)
208260	12425	Presser Bar Bushing
208263	12423	Hook Cover
208264	12423	Feed Cam with 200362c and 200437c, for Machine No. 103w3
208265	12423	Feed Rock Shaft Pawl, for 208267...
Nos. 208267 to 208277, for Machine No. 103w3		
208267	-----	Feed Rock Shaft complete, Nos. 200274p, 200942b, 201528c, 208103, 208105 and 208265
208268	12424	Feed Wheel, for 208269
208269	-----	Feed Wheel complete, Nos. 200386c, 208109 to 208111, 208214 and 208268

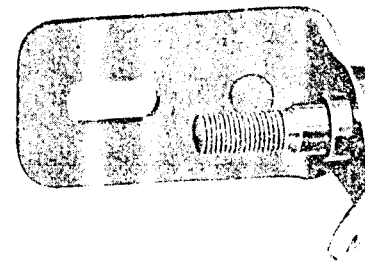
No.	Plate	Name
208270	12424	Needle Bar Driving Crank with 200363c and 200439c
208271	12424	Needle Bar Driving Shaft with two 200368n, for 208273
208272	12424	Needle Bar Driving Shaft Bushing (back)
208273	---	Needle Bar Driving Shaft complete, Nos. 208080, 208153, 208154, 208210 and 208271
208274	-----	Throat Plate, for 208275
208275	12424	Throat Plate complete, 53 needle hole, for needle sizes 16 and 18, Nos. 200946c, 208208, 208209, 208274 and two 200172n
208276	12424	Feed Wheel, for 208277
208277	---	Feed Wheel complete, Nos. 200386c, 208109 to 208111, 208214 and 208276
210736	12408	Bobbin Case Latch Spring, for 208076
213710	12408	Bobbin
214312	12405	Thread Take-up Roller Cap, for 208212
214321	12406	Tension Spring, for 208197
214554	12401	Thread Leader Roller Cap, for 208202
215232	12405	Thread Take-up Bracket Roller Stud, for 208204
215381	10884	Bobbin Winder Spindle, for 225382
225382	10885	Universal Bobbin Winder complete, Nos. 200056c, 200082b, 200299n, 202473, 202478, 225381, 225433, 225444, 225453 to 225456, 225458, 225462, 228026, two each 225459 and wood screws $\frac{1}{4}$ in., No. 12, R.H.B., for 225453
225433	10885	Bobbin Winder and Tension Brack- et Base, for 225382
225438	10884	Bobbin Winder Frame Oil Well Cap, for 225453
225444	10884	Bobbin Winder Stop Latch, for 225382
225453	10884	Bobbin Winder Frame with 202277 and 225438, for 225382
225454	10884	Bobbin Winder Frame Hinge Pin, for 225382
225455	10884	Bobbin Winder Frame Spring, for 225382
225456	10884	Bobbin Winder Frame Spring Plunger, for 225382

No.	Plate	Name
225458	10884	Bobbin Winder Stop Latch Thumb Lever, for 225382
225459	10884	Bobbin Winder Stop Latch Thumb Lever Hinge Stud, for 225382 ..
225459	10884	Bobbin Winder Stop Latch Thumb Lever Joint Stud, for 225382 ...
225461	10881	Bobbin Winder Tension Bracket with 201499a, for 225462
225462	10881	Bobbin Winder Tension Bracket complete, Nos. 201572a, 202107, 225461 and two 2102, for 225382
*225482	-----	Bobbin Case Screw Driver Blade, for 225497
*225483	-----	Bobbin Case Screw Driver Handle, for 225497
*225484	-----	Screw Driver Blade, for 225498 ...
*225485	-----	" " Handle, for 225498 ...
225497	12418	Bobbin Case Screw Driver com- plete, Nos. 225482 and 225483 ..
225498	12418	Screw Driver complete (7½ in. long), Nos. 225484 and 225485 ..
225547	12406	Arm Head Lock Pin Spring
225554	12418	Wrench (steel)
226467	12409	Guide Swing Plate Hinge Screw Washer, for 208130
227610	12419	Treadle, single foot (right), with 200526c, for 227621
227612	12419	Treadle Chain Eye Pin, for 227621
227613	12419	" Shaft, for 227621
227614	12419	" Spring, for 227621
227620	12419	Treadle Stand with four wood screws ¾ in., No. 12, for 227621 ..
227621	-----	Treadle, single foot (right) and Stand complete, Nos. 227610, 227612 to 227614, 227620 and 227779
227779	12419	Treadle Chain, 48 in. long, with two 202784, for 227621
228026	10884	Bobbin Winder Tension Bracket Screw Washer, for 225382
228043	12409	Guide Plate Adjusting Screw Wash- er, for 208240

**ILLUSTRATIONS OF PARTS
FOR
MACHINES
Nos. 103w2 and 103w3**

PLATE 10881—FULL SIZE

225461



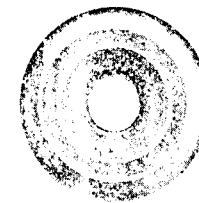
200082



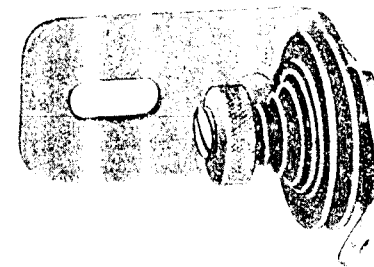
202104



2102



225462



202407



201499



201572



PLATE 10881—FULL SIZE

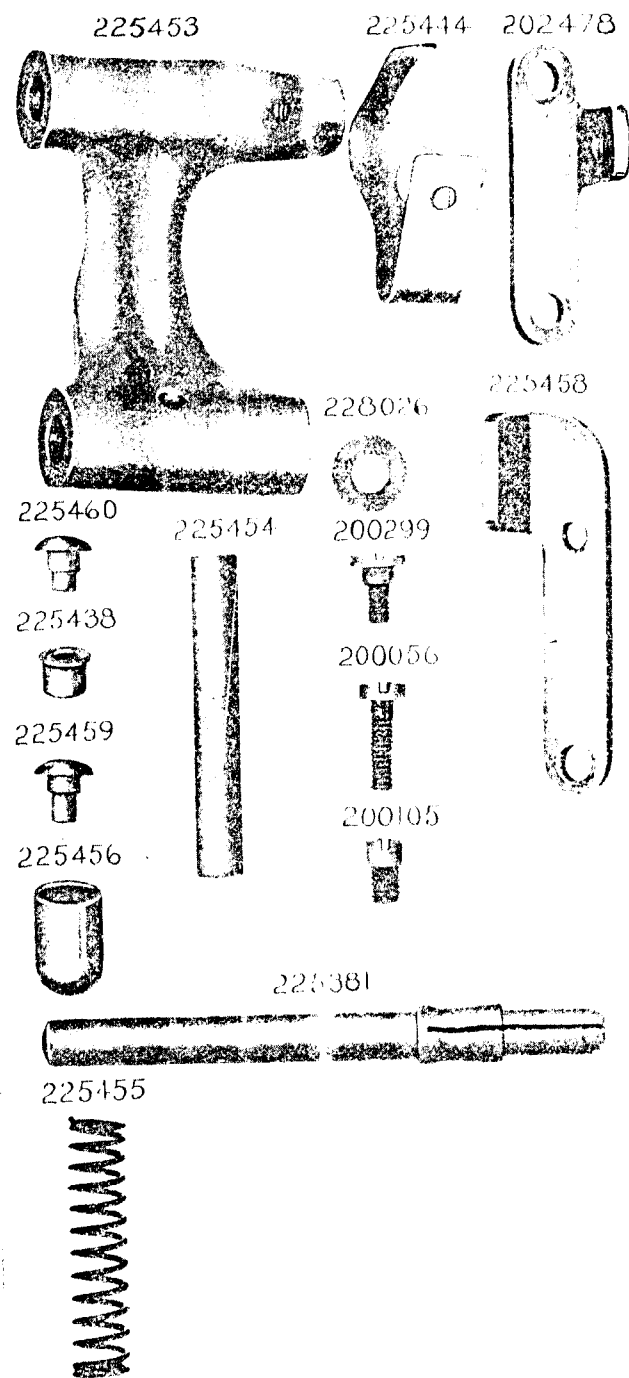


PLATE 10885—ONE-FOURTH SIZE

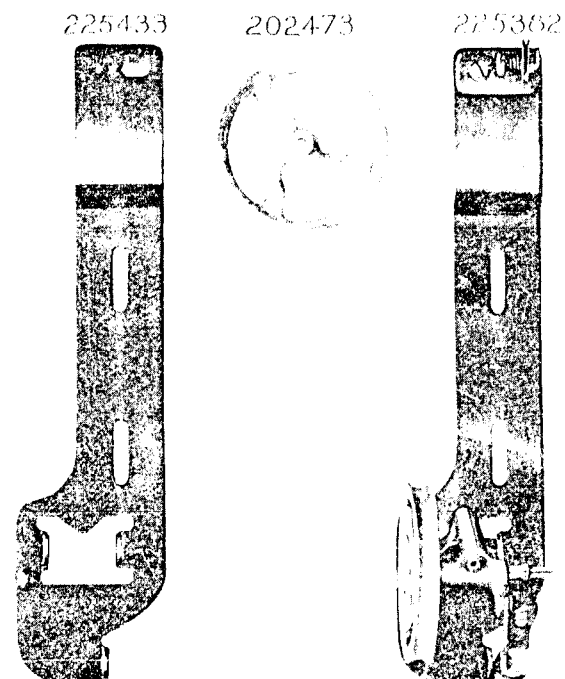


PLATE 12401—FULL SIZE

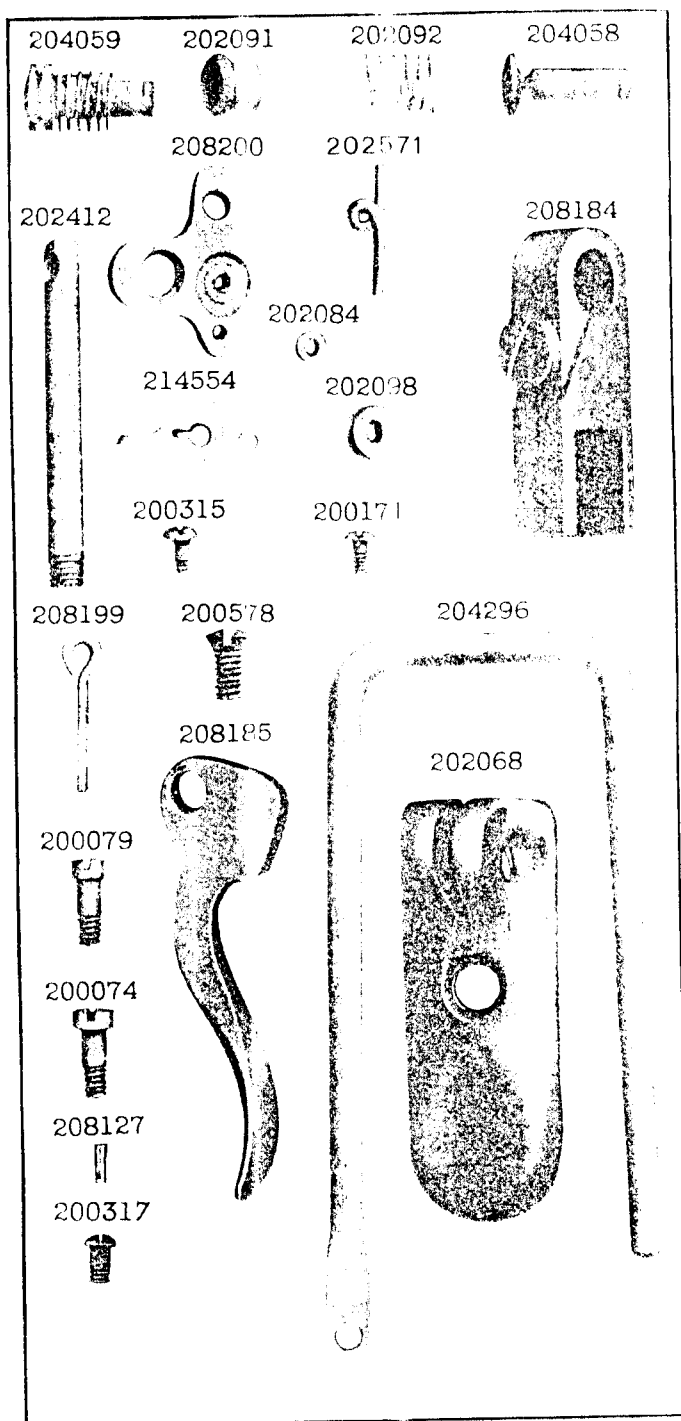


PLATE 12403—FULL SIZE

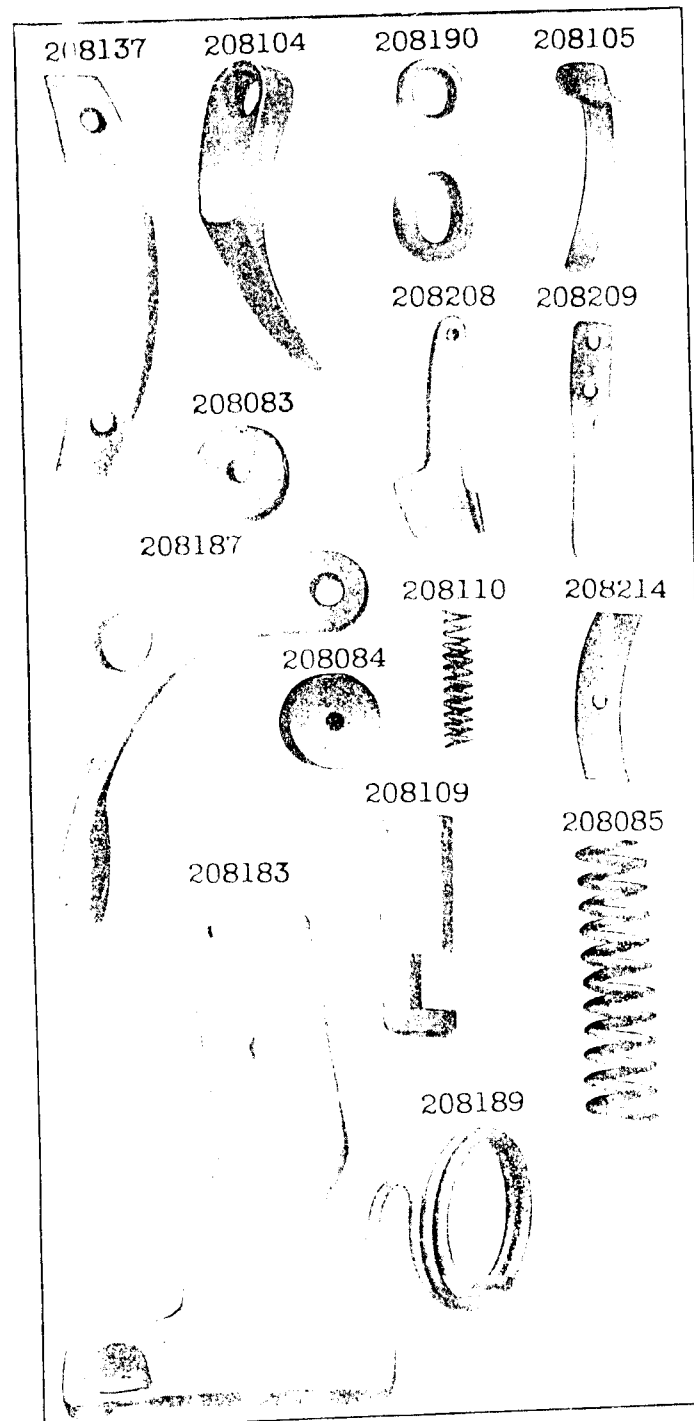


PLATE 12405- FULL SIZE

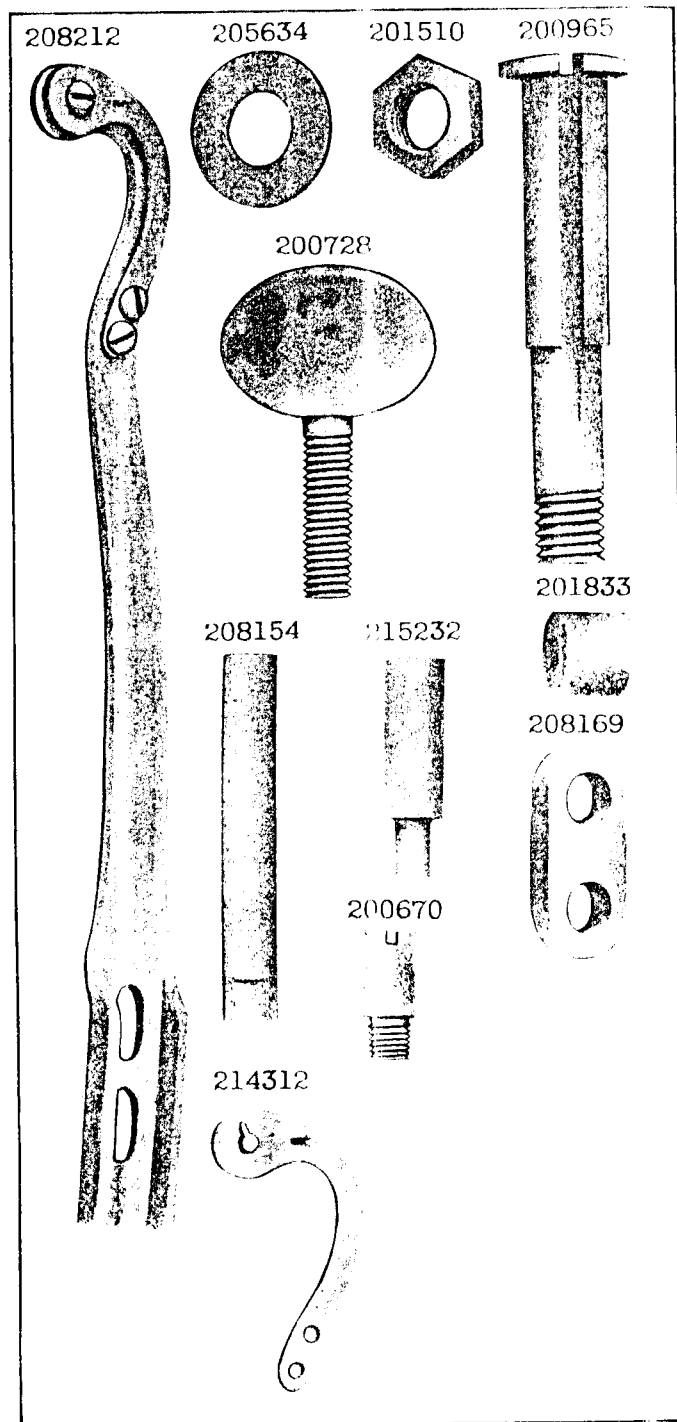


PLATE 12406--FULL SIZE

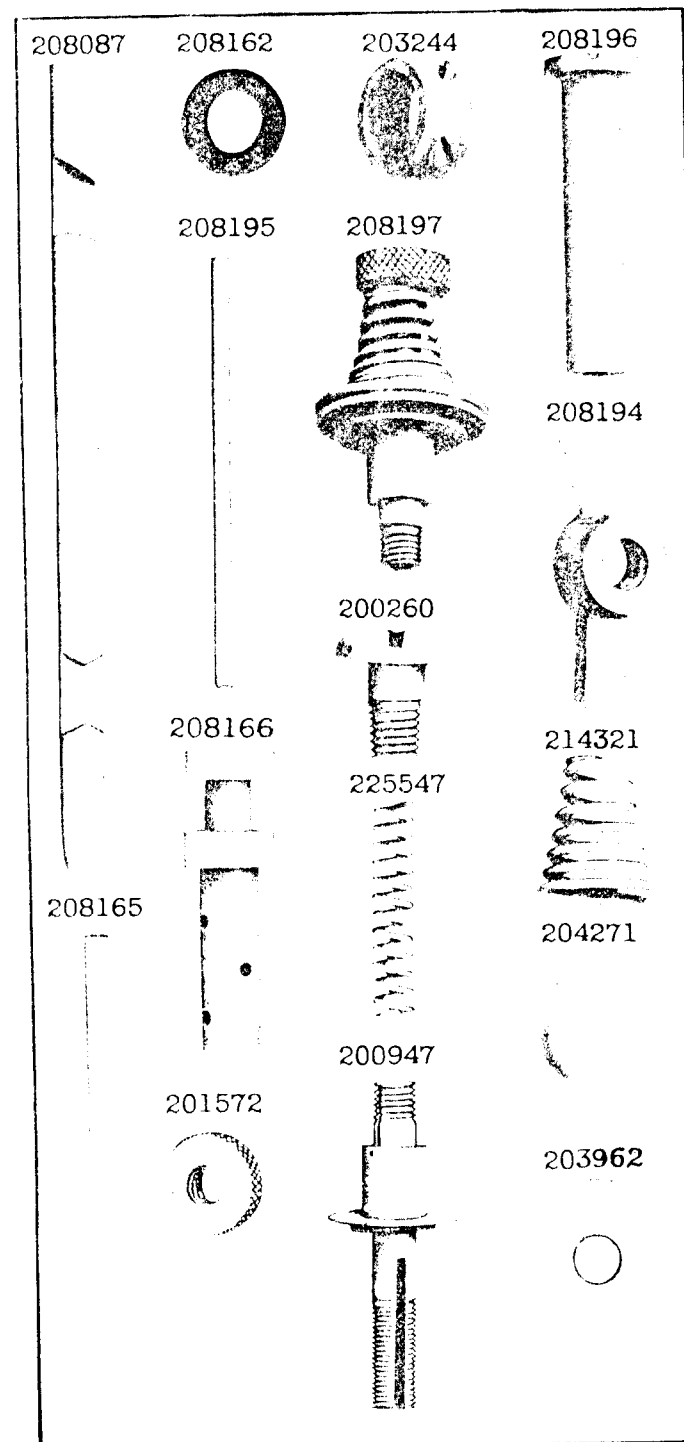


PLATE 12407—FULL SIZE

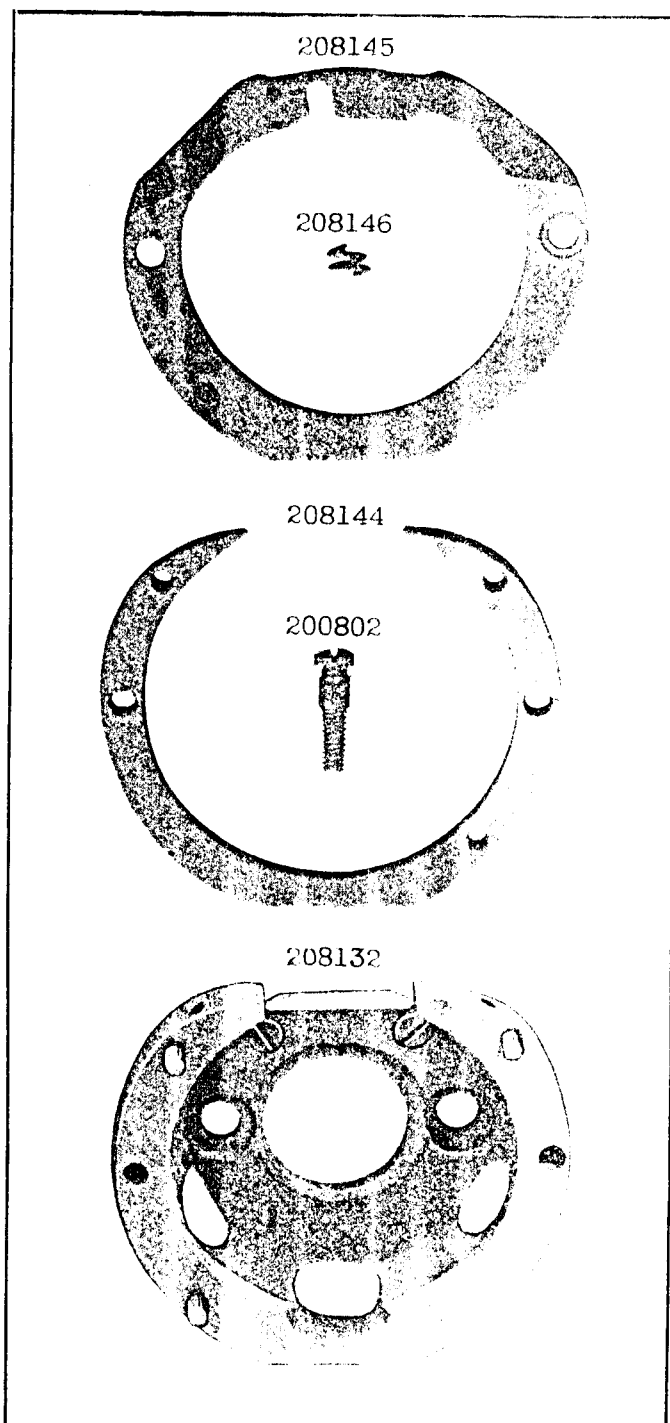


PLATE 12408—FULL SIZE

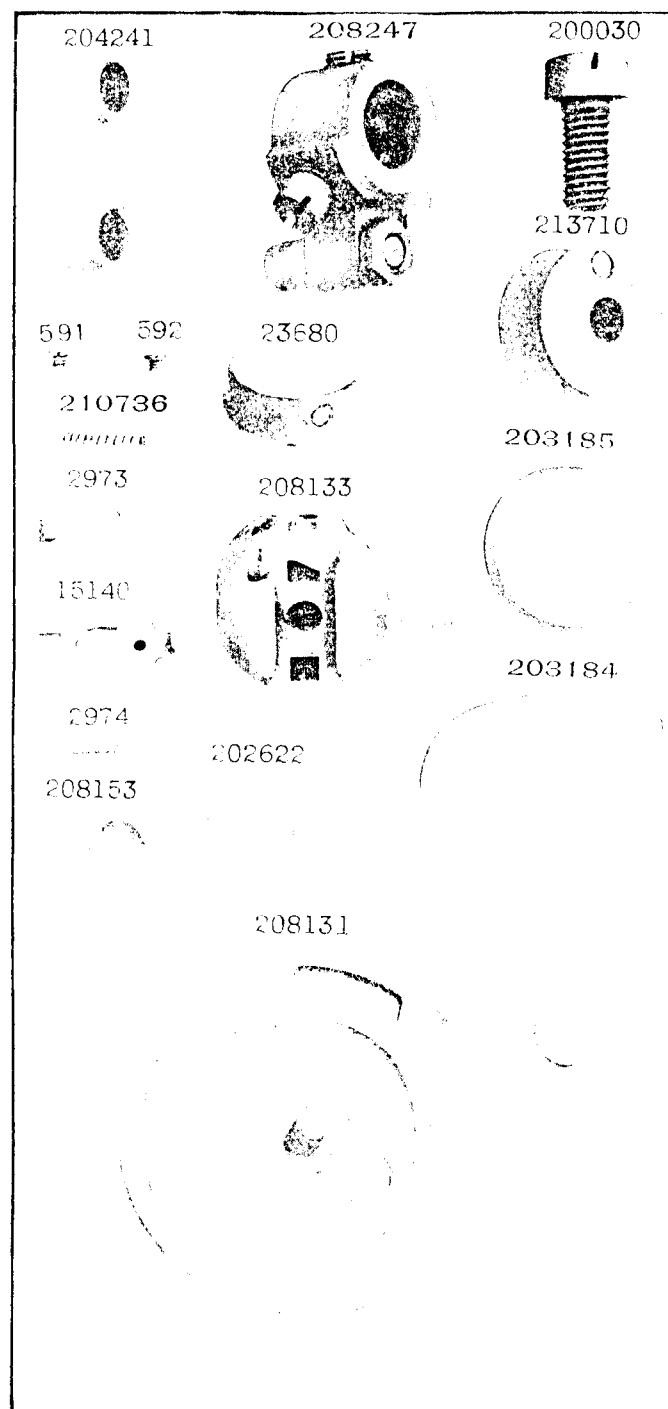


PLATE 12409 FULL SIZE

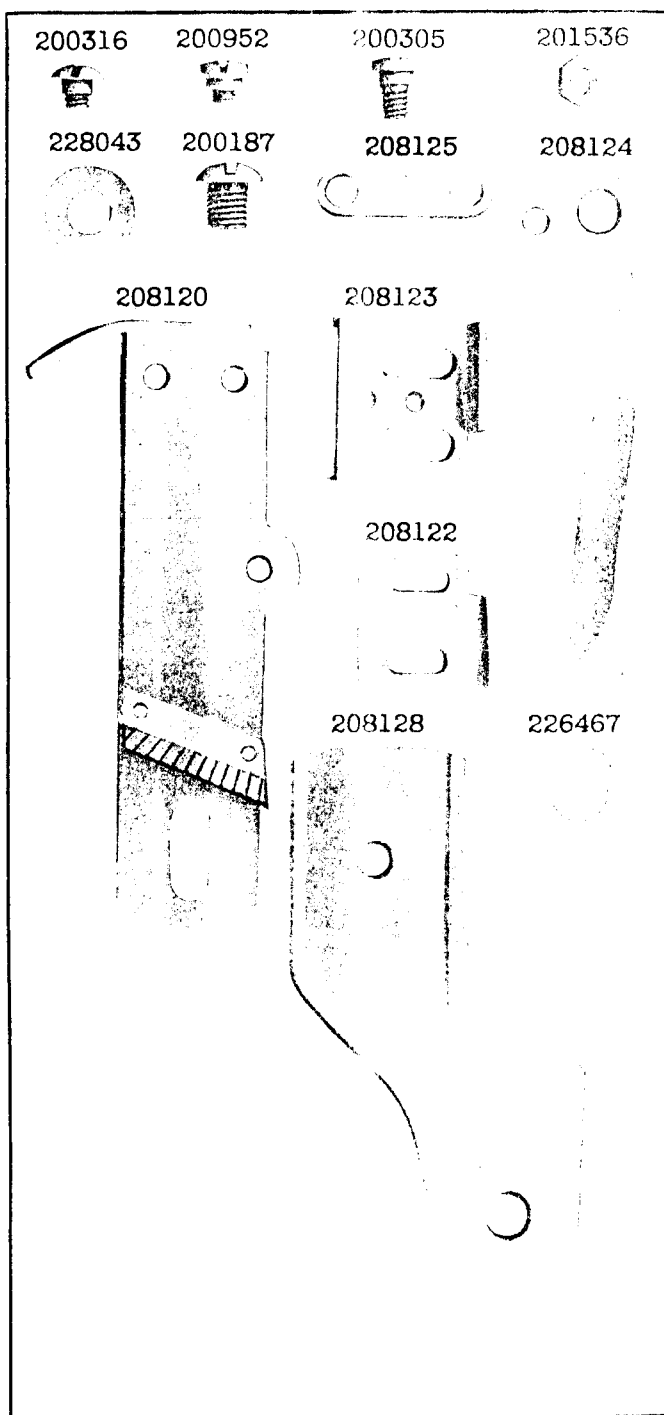


PLATE 12410—FULL SIZE

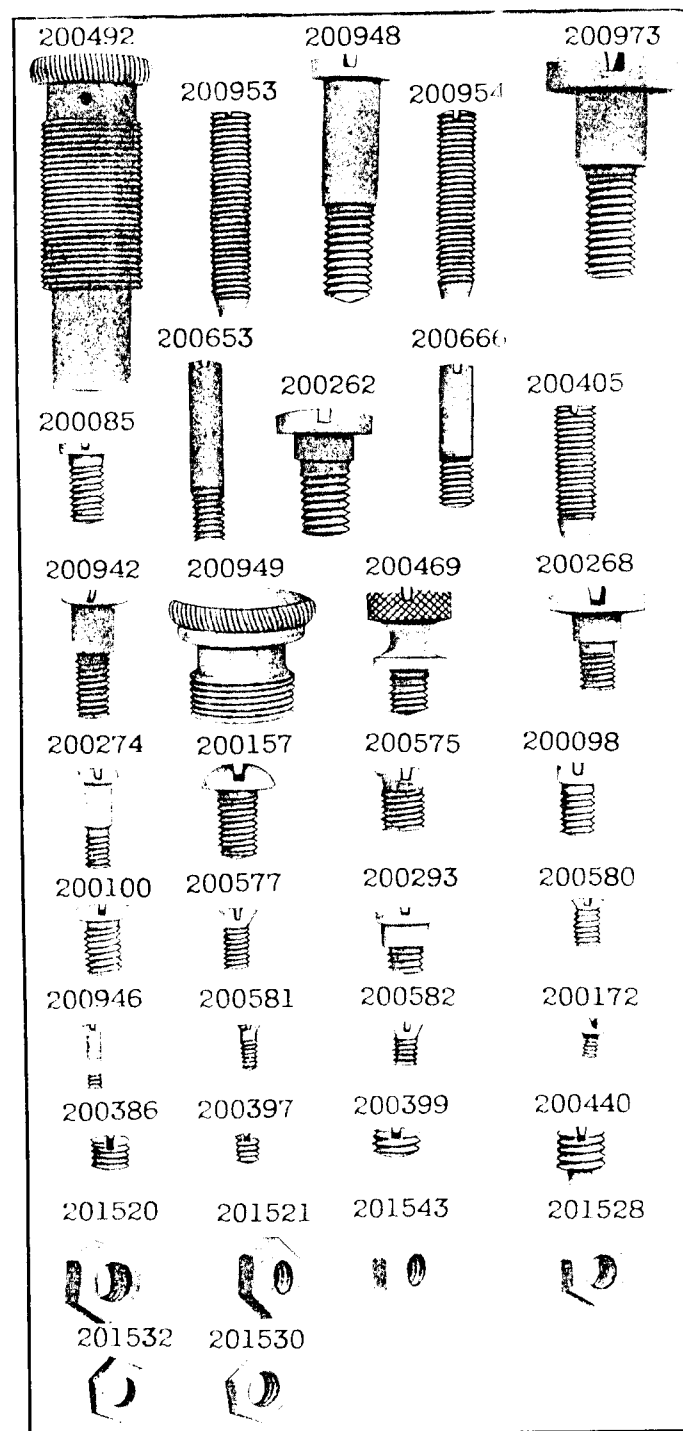


PLATE 12411—FULL SIZE

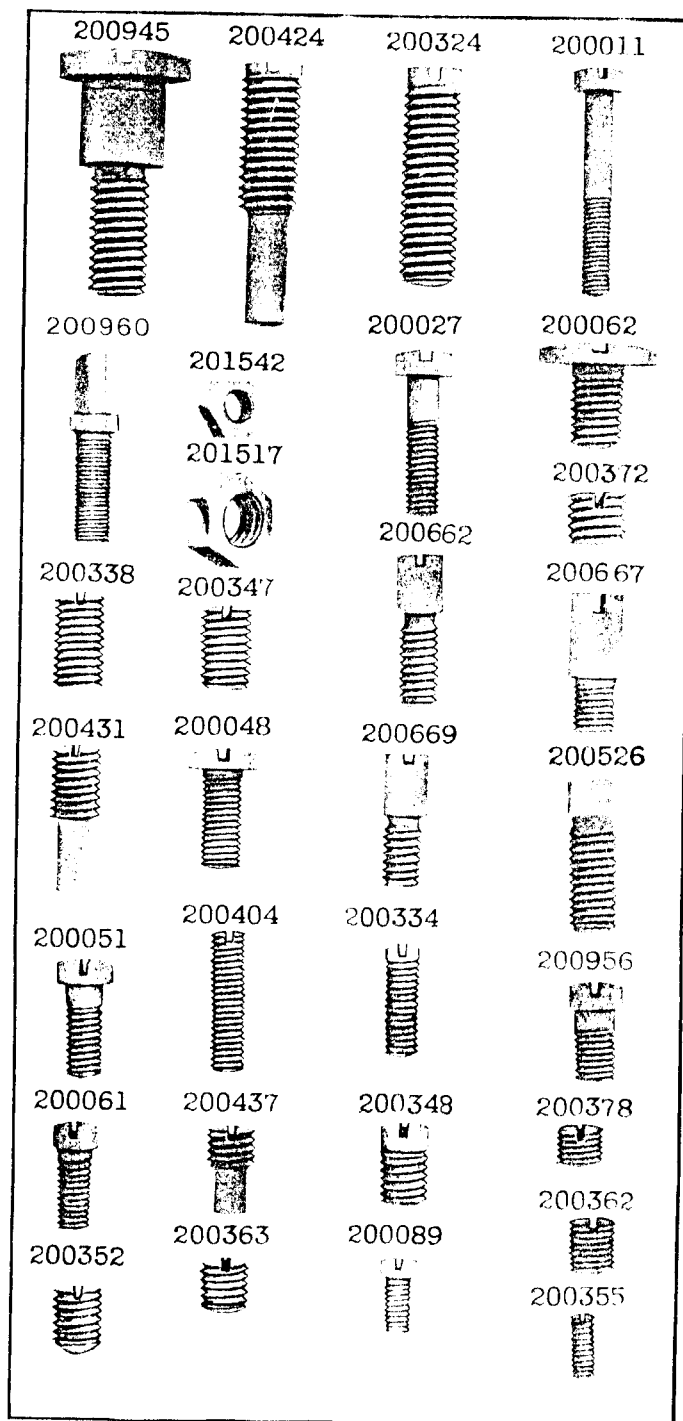


PLATE 12412—FULL SIZE

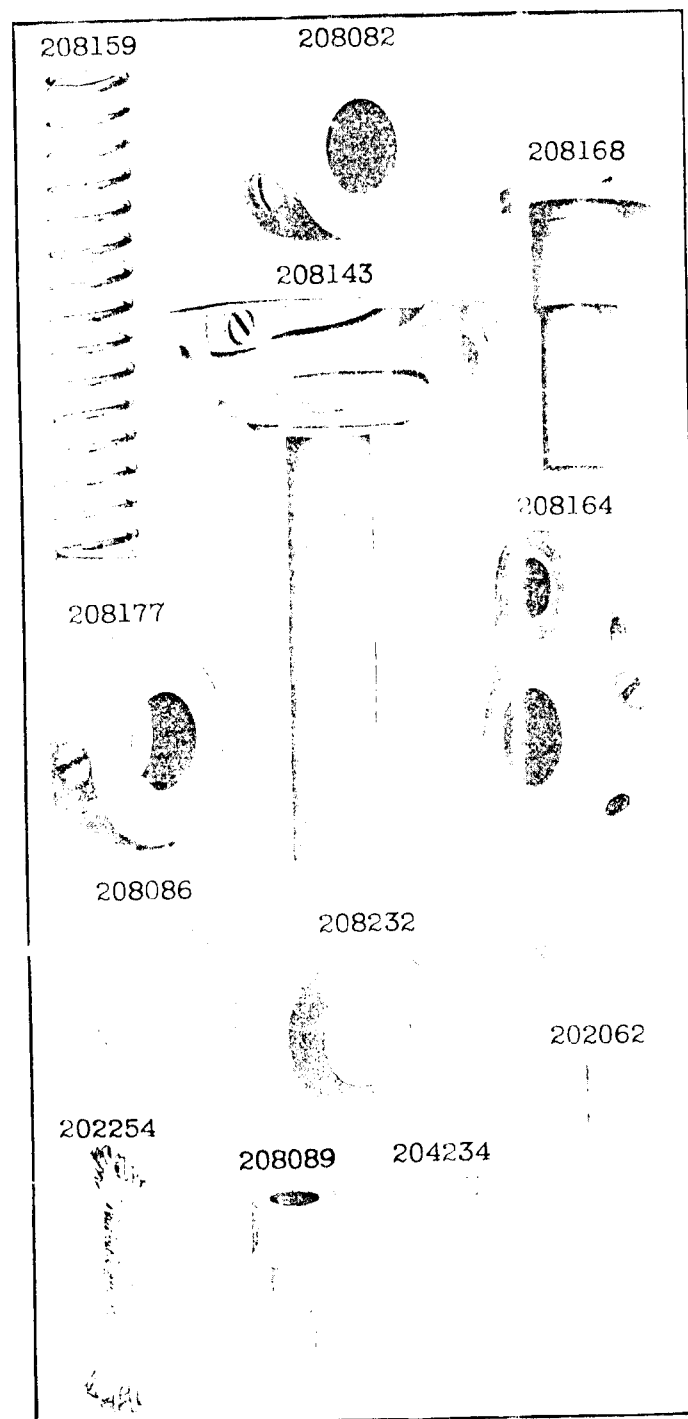


PLATE 12413--FULL SIZE

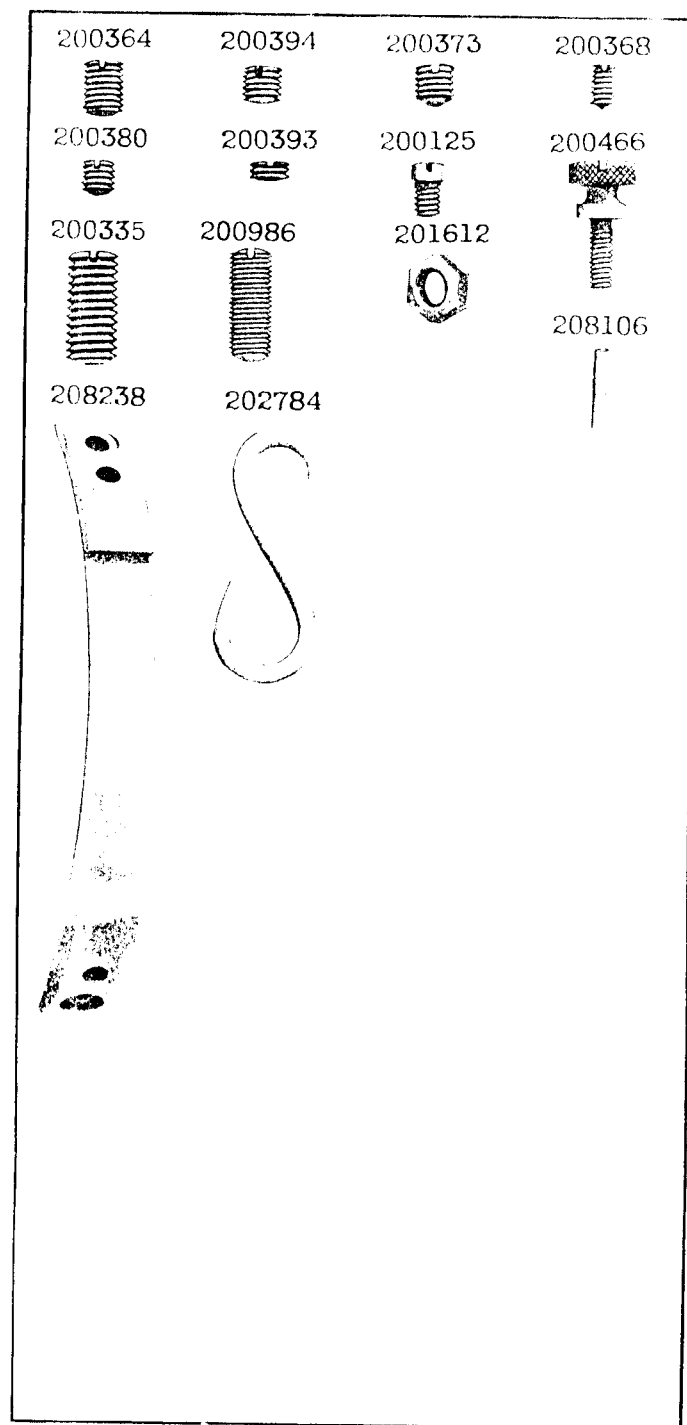


PLATE 12414--FULL SIZE

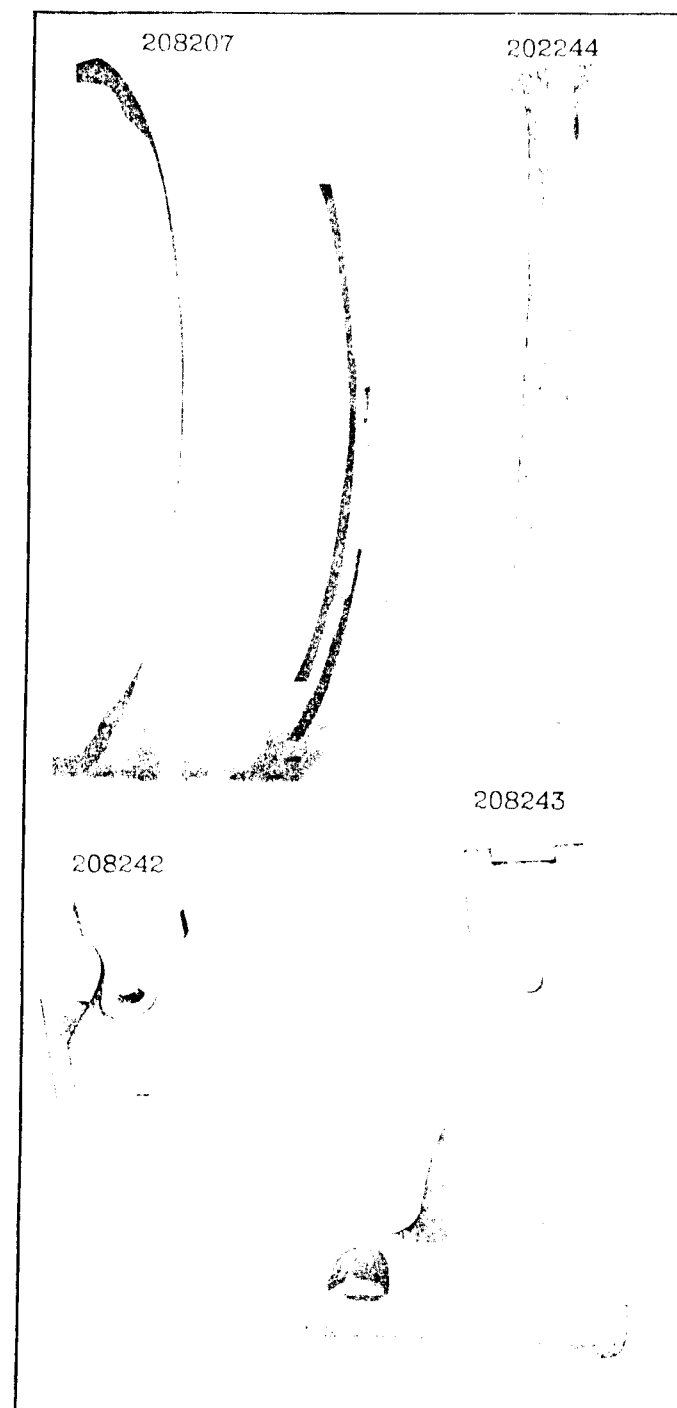


PLATE 12415—ONE-HALF SIZE

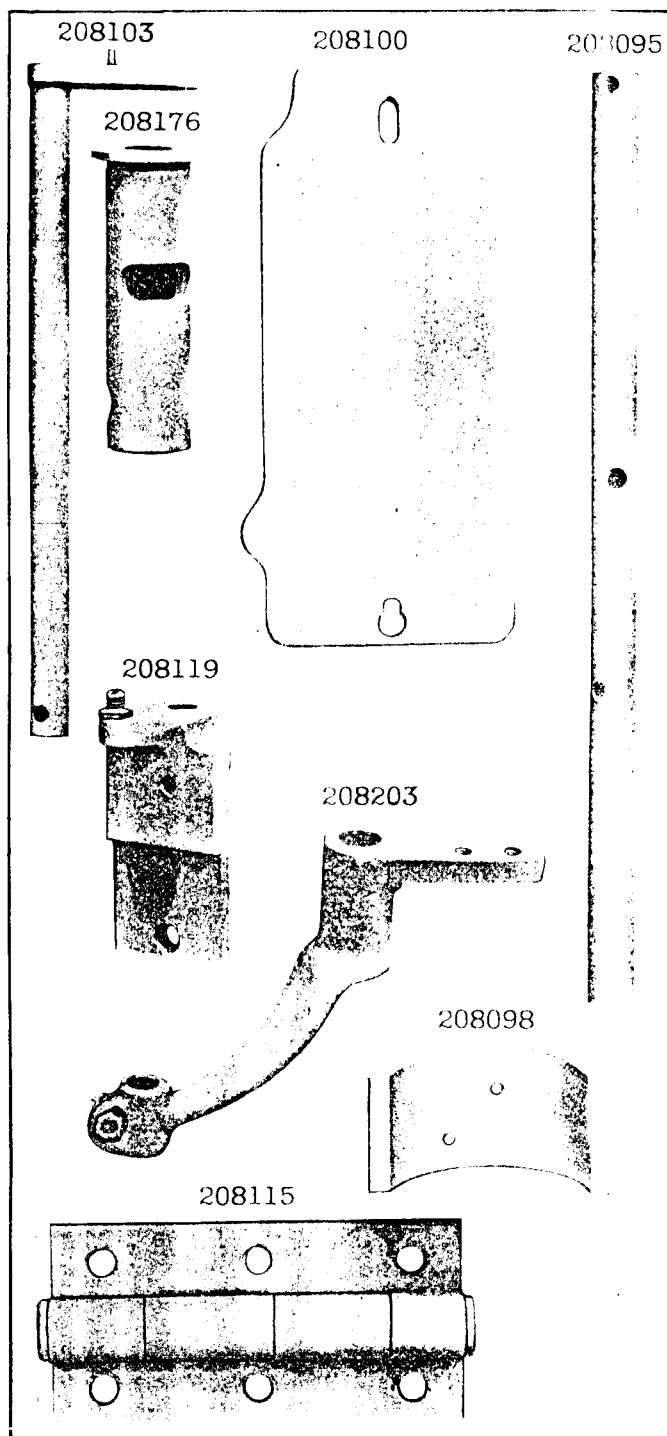


PLATE 12416—ONE-HALF SIZE

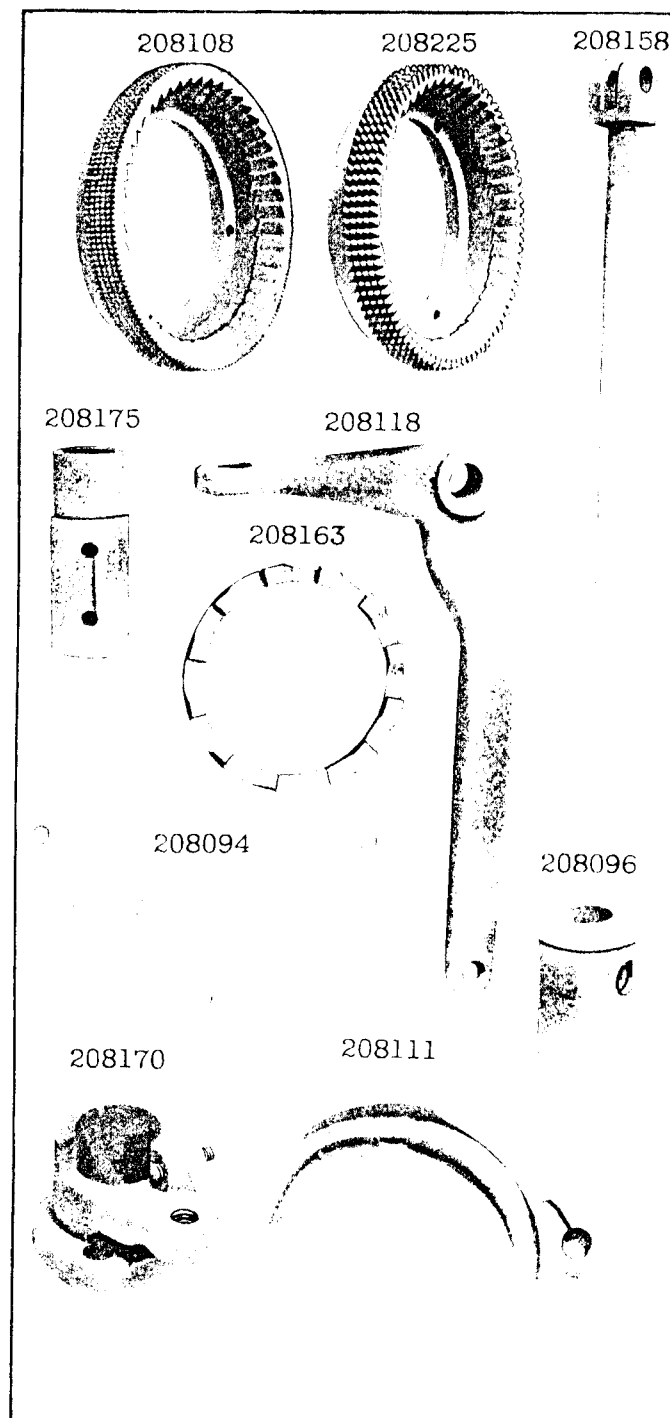


PLATE 12417—ONE-HALF SIZE

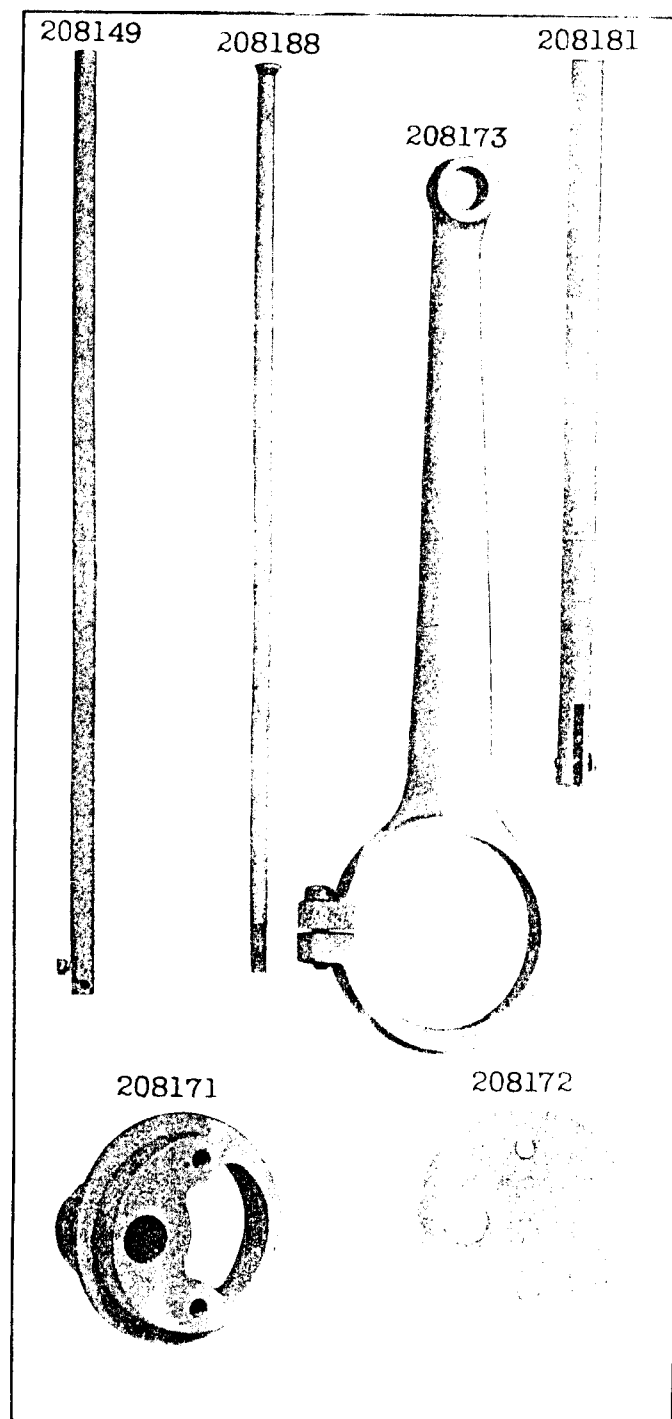


PLATE 12418—ONE-HALF SIZE

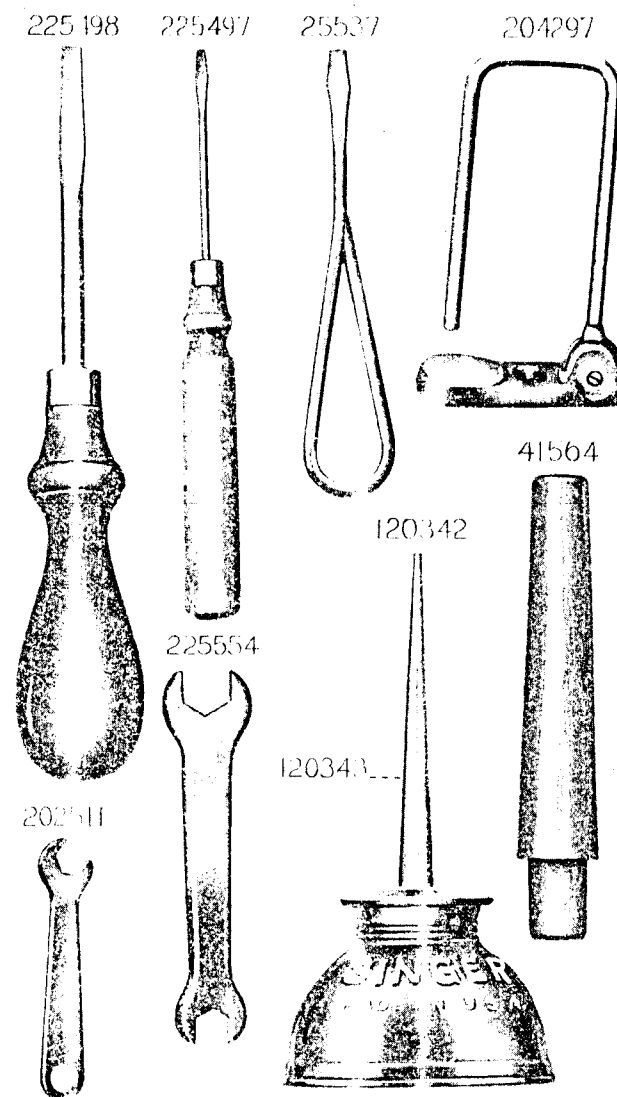


PLATE 12419—ONE-FOURTH SIZE

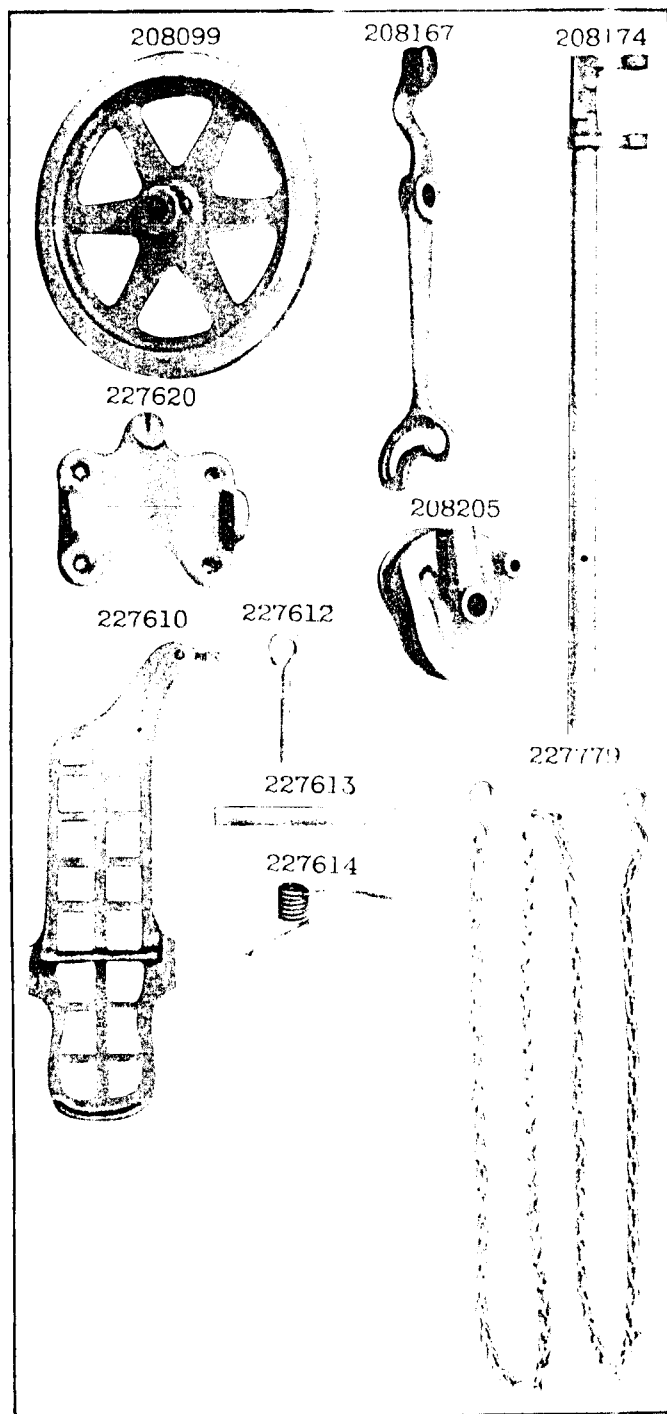


PLATE 12423—FULL SIZE

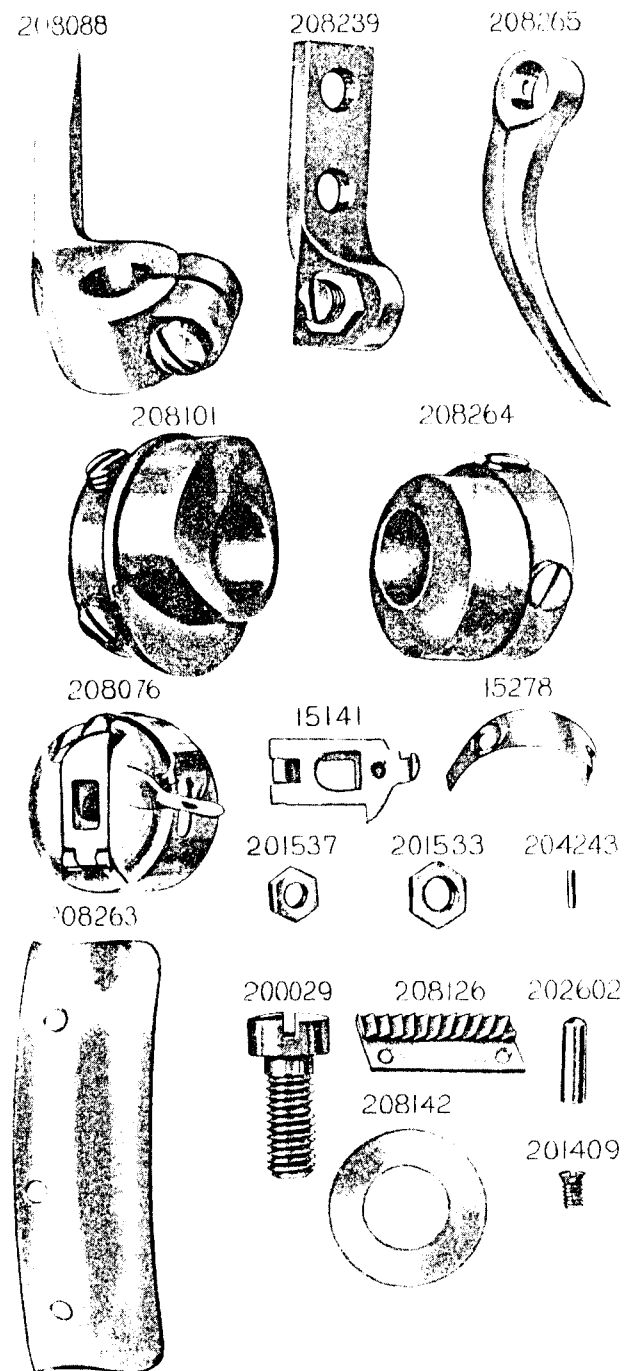


PLATE 12424—ONE-HALF SIZE

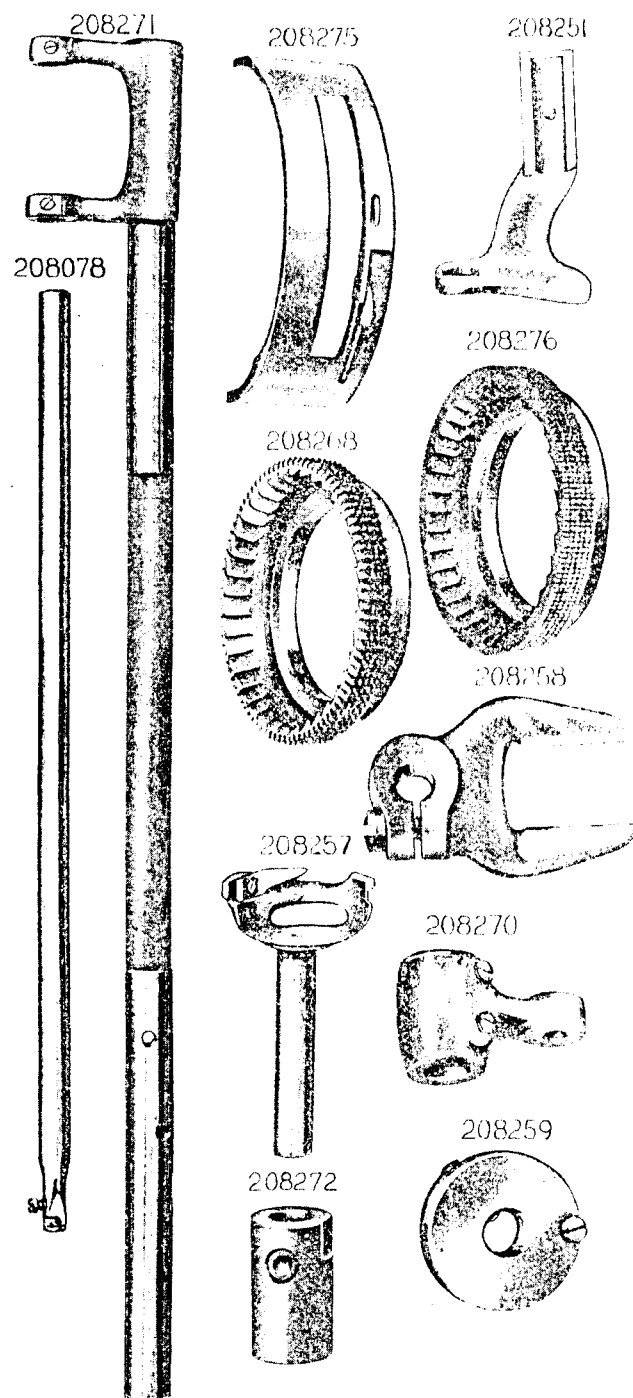


PLATE 12425—FULL SIZE

