

SINGER

110W121

LIST OF PARTS



MACHINE No. 110w121

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 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.

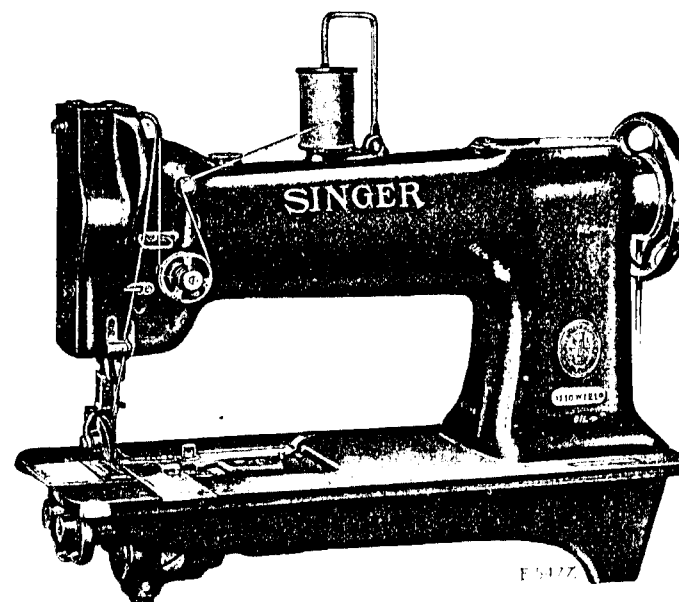
The figures in the second column refer only to the plate in which the illustration of the part is shown and are **NOT TO BE USED** in ordering.

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. 110w121

VERTICAL HOOK. ROLLER PRESSER. CONTINUOUS
WHEEL FEED. HORIZONTAL UNDER TRIMMER

For Leather Work

No.	Plate	Name
*237701	---	Arm
202247	14377	" Cap
200278H	14176	" " Screw
202248	14176	" " " Washer
204235	14376	" Position Pin (2)
200010E	14176	" Screw (2)
200004E	14176	" "
202005	14176	" " Washer (3)
237702	14178	" Shaft with 200357E and 203100
237748	14377	" " Bushing (back) with
		202299
202299	---	Arm Shaft Bushing (back) Oil
		Packing (wick)

No.	Plate	Name
200071E	14176	Arm Shaft Bushing (back) Screw (3)
202245	14377	Arm Shaft Bushing (front) with 202036 and 202260
202260	-----	Arm Shaft Bushing (front) Oil Packing (wick)
200502B	14176	Arm Shaft Bushing (front) Oil Packing Thumb Screw
202036	14176	Arm Shaft Bushing (front) Position Pin
200338c	14176	Arm Shaft Bushing (front) Set Screw
203100	-----	Arm Shaft Oil Packing (wick) ..
200357E	14176	" " " " Stop Screw ..
202632	14377	" Side Plate
200462B	14176	" " " Thumb Screw
223842	14178	Balance Wheel (belt groove 23 in. diam.) with 200328c and 200335c ..
200062H	14176	Balance Wheel Adjusting Screw ..
200328c	14176	" " Position Screw
200335c	14176	" " Set Screw
*238501	-----	Bed
202258	14377	" Hinge Connection (2)
200570E	14176	" " " Screw (4)
238502	14377	" Slide (back)
223811	14376	" " " Stop
223812	14376	" " " Spring
237706	14377	" " (front)
203470	14176	Bobbin
*203520	---	" Case
203648	14176	" " Latch
*202056	-----	" " " Pin
203473	14176	" " " Plunger
203474	14176	" " " Spring
236078	14176	" " Lever
*203476	-----	" " " Eccentric
204243	14176	" " " Position Pin
235751	14176	" " " Fulcrum
200056D	10884	" " " Screw
203478	14178	" " " Slide Stud
203214	14176	" " Tension Spring
200984c	14176	" " " " Regulat- ing Screw
200594c	14176	Bobbin Case Tension Spring Screw ..
203216	-----	" " Washer (cloth)
203521	14176	Bobbin Case complete, Nos. 200594c, 200984c, 202056, 203214, 203216, 203473, 203474, 203520 and 203648
238503	14376	Edge Guide
201121D	14376	" " Screw (2)

No.	Plate	Name
210911	14377	Face Plate
202135	14176	" " Position Pin
200473E	14176	" " Thumb Screw
237771	14382	Feed Wheel (knurled)
350085E	14179	" " Adjusting Screw
237708	14179	" " " " Block
237709	14180	" " Bracket
237710	14179	" " " Spring
237713	14179	" " Driving Gear with 200382c and 201220c (for 16 stitches)
201220c	14179	Feed Wheel Driving Gear Position Screw
200382c	14179	Feed Wheel Driving Gear Set Screw ..
237718	14179	" " " Pinion with 200382c and 201220c (for 16 stitches)
201220c	14179	Feed Wheel Driving Pinion Posi- tion Screw
200382c	14179	Feed Wheel Driving Pinion Set Screw
237721	14178	Feed Wheel Driving Shaft
237722	14179	" " " " Bushing (back)
237723	14179	Feed Wheel Driving Shaft Bushing (front)
200362c	14179	Feed Wheel Driving Shaft Bushing Set Screw
221743	14179	Feed Wheel Driving Shaft Collar with two 200380c
200380c	14179	Feed Wheel Driving Shaft Collar Set Screw
237724	14179	Feed Wheel Driving Shaft Gear with 200378c and 201220c
201220c	14179	Feed Wheel Driving Shaft Gear Po- sition Screw
200378c	14179	Feed Wheel Driving Shaft Gear Set Screw
237725	14179	Feed Wheel Stud
201697c	14179	" " " Nut
*203482	---	Hook (sewing)
237726	14181	" 203482 with 201253E, 201376E and 221148
237727	-----	Hook and Bobbin Case complete, Nos. 203521 and 237726
235755	14181	Hook Bevel Gear Socket, 18 teeth
235527	14181	" " " " Bushing (lower) (brass)
200362c	14179	Hook Bevel Gear Socket Bushing (lower) Set Screw

No.	Plate	Name
235756	14181	Hook Bevel Gear Socket Bushing (upper) (brass)
449c	14181	Hook Bevel Gear Socket Bushing (upper) Set Screw
200555H	14181	Hook Bevel Gear Socket Screw ...
235635	14181	" " " " Thrust Washer
235529	14181	Hook Driving Bevel Gear with two 350089c
350089c	14181	Hook Driving Bevel Gear Set Screw
237728	14178	" " Shaft
235857	14181	" " " Bevel Gear with 200374c and 200396c
237729	14180	Hook Driving Shaft Bevel Gear Housing with 200346c and three 200362c
237730	14180	Hook Driving Shaft Bevel Gear Housing Cap (bottom)
237731	14180	Hook Driving Shaft Bevel Gear Housing Cap (bottom) Gasket ..
237732	14180	Hook Driving Shaft Bevel Gear Housing Cap (side)
237733	14180	Hook Driving Shaft Bevel Gear Housing Cap (side) Gasket
200053c	14181	Hook Driving Shaft Bevel Gear Housing Cap Screw (4)
201082E	14181	Hook Driving Shaft Bevel Gear Housing Screw (long)
225532	14376	Hook Driving Shaft Bevel Gear Housing Screw (long) Washer ..
201308E	14181	Hook Driving Shaft Bevel Gear Housing Screw (short)
200396c	11607	Hook Driving Shaft Bevel Gear Position Screw
200374c	14181	Hook Driving Shaft Bevel Gear Set Screw
237734	14181	Hook Driving Shaft Bushing (back)
200362c	14179	" " " " " " Set Screw
235531	14189	Hook Driving Shaft Bushing (front)
200347c	14181	" " " " " " Set Screw
221743	14179	Hook Driving Shaft Collar with two 200380c
200380c	14179	Hook Driving Shaft Collar Set Screw
221148	14181	Hook Gib
201376F	14181	" " Hinge Screw
201253F	14181	" " Screw

No.	Plate	Name
237735	14180	Hook Saddle with 449c, 200347c and three 200362c
235534	14376	Hook Saddle Oil Cover
201185D	14376	" " " " Screw (2) ..
201318E	14376	" " " Stop Screw (2) ..
235535	"	" " Oiling Felt
202260	"	" " Wick
235649	14376	" " " " Cover
200169H	14376	" " " " " Screw
201308E	14181	" " Screw (2)
213018	14376	" Washer with 203476 and two 204243
208490	14377	Knee Lifter Connection Lever
200262H	14376	" " " Hinge Screw
237766	14378	Knee Lifter Connection Lever Lifting Rod with 202302
202302	14376	Knee Lifter Connection Lever Lifting Rod Cotter Pin
202687	14378	Knee Lifter Lifting Lever
200262H	14376	" " " " Hinge Screw
238504	14376	Knife
200392c	14376	" Adjusting Screw
238509	14376	" Driving Eccentric with two 200386c
238510	14378	Knife Driving Eccentric Oil Pan
201058E	14376	" " " " " Screw (2)
200386c	14376	Knife Driving Eccentric Set Screw
238511	14376	" " Fork with two 206758
238512	14376	" " " Lever
238513	14378	" " " " Bracket with 200378c
202126	14376	Knife Driving Fork Lever Bracket Position Pin (2)
201058E	14376	Knife Driving Fork Lever Bracket Screw (2)
210910	11607	Knife Driving Fork Lever Hinge Stud with 202277
202277	-----	Knife Driving Fork Lever Hinge Stud Oil Packing (wick)
200378c	14179	Knife Driving Fork Lever Hinge Stud Set Screw
206758	-----	Knife Driving Fork Oil Packing (wick)
200080D	14376	Knife Driving Fork Screw
238522	14376	" " " " Bearing
232321	14379	" " " Slide Block

No.	Plate	Name
200252c	14379	Knife Driving Fork Slide Block Hinge Screw
201528e	14379	Knife Driving Fork Slide Block Hinge Screw Nut
238514	14378	Knife Driving Lever
238515	14378	" " " Hinge Plate
1094e	14379	" " " " " Screw (2)
350154e	14379	Knife Driving Lever Hinge Screw
238516	14379	" " " " " Bearing
238517	14379	Knife Lever with 200392c
238518	14379	" " Hinge Bearing
350155b	14379	" " Screw
200169n	14376	" Screw (2)
237937	14379	Needle Bar with 200141e
202552	11607	" " Connecting Link
223687	14379	" " " " Oil Guard
200161b	11607	Needle Bar Connecting Link Oil Guard Screw
202333	11607	Needle Bar Connecting Link Stud with 202254
202254	-----	Needle Bar Connecting Link Stud Oil Packing (wick)
200374c	14181	Needle Bar Connecting Link Stud Set Screw
200383c	14379	Needle Bar Connecting Link Stud Set Screw
*206891	-----	Needle Bar Connecting Stud
202329	11607	" " " " 206891 with 200086c and 202330
202330	-----	Needle Bar Connecting Stud Oil Packing (wick)
200086c	11607	Needle Bar Connecting Stud Pinch Screw
202692	14183	Needle Bar Crank with 200335c, 200374c, 200383c, 200428c and 202333
237737	-----	Needle Bar Crank 202692 with 202329, 202399, 202400, 202552 and 237762
203172	11607	Needle Bar Crank Friction Washer
200428c	11607	" " " Position Screw ..
200335c	14176	" " " Set Screw
202664	14183	" " Rock Frame
237738	-----	" " " " 202664 with 237937
*38127	-----	Needle Bar Rock Frame Driving Eccentric

No.	Plate	Name
*237749	-----	Needle Bar Rock Frame Driving Eccentric Body
350107c	14378	Needle Bar Rock Frame Driving Eccentric Body Position Screw ..
443c	14379	Needle Bar Rock Frame Driving Eccentric Body Set Screw
21331	14379	Needle Bar Rock Frame Driving Eccentric Pressure Spring
21332	14379	Needle Bar Rock Frame Driving Eccentric Pressure Spring Cap ..
934b	14379	Needle Bar Rock Frame Driving Eccentric Pressure Spring Cap Screw
1103c	14379	Needle Bar Rock Frame Driving Eccentric Regulating Screw
217b	14379	Needle Bar Rock Frame Driving Eccentric Set Screw
7071	14379	Needle Bar Rock Frame Driving Eccentric Set Screw Washer ...
237750	-----	Needle Bar Rock Frame Driving Eccentric complete, Nos. 217b, 443c, 934b, 1103c, 7071, 21331, 21332, 38127, 237749 and 350107c
237739	14183	Needle Bar Rock Frame Driving Fork Lever with 200029e
200029e	14379	Needle Bar Rock Frame Driving Fork Lever Pinch Screw
237740	14379	Needle Bar Rock Frame Driving Fork Lever Slide Block (two pieces)
210910	11607	Needle Bar Rock Frame Hinge Stud with 202277
202277	-----	Needle Bar Rock Frame Hinge Stud Oil Packing (wick)
200347c	14181	Needle Bar Rock Frame Hinge Stud Set Screw
202666	11607	Needle Bar Rock Frame Position Bracket
200098e	11607	Needle Bar Rock Frame Position Bracket Screw
202667	14378	Needle Bar Rock Frame Rock Shaft
210978	-----	" " " " " " " 202667 with 200386c and 210920 ..
202668	11607	Needle Bar Rock Frame Slide Block
210920	14380	" " " " " " " 202668 with 201141c
201141c	14380	Needle Bar Rock Frame Slide Block Screw Stud
200386c	14376	Needle Bar Rock Frame Slide Block Screw Stud Set Screw

No.	Plate	Name
200141F	11607	Needle Set Screw
207072	11607	Presser Bar Bushing (2)
200352c	14380	" " " Set Screw (2)
202671	14380	" " " Lifter
200653c	14380	" " " Hinge Screw ..
202672	14380	" " " Lifting Releasing Lev- er Bracket
200975F	14380	Presser Bar Lifting Releasing Lev- er Bracket Guide Screw
237765	14380	Presser Bar Lifting Releasing Lev- er Bracket Spring (spiral)
202337	14380	Presser Bar Position Guide
202338	14380	" " " " Lever with 200086F
200086F	11607	Presser Bar Position Guide Lever Pinch Screw
200352c	14380	Presser Bar Position Guide Set Screw
210948	14378	Presser Bar Spring (flat)
210949	14380	" " " Bracket with 200086c
200086c	11607	Presser Bar Spring Bracket Pinch Screw
200538c	14380	Presser Bar Spring Regulating Screw
200948c	14380	Presser Bar Spring Support Screw
201971	—	Roller Presser, 1½ in. diam., ⅜ in. face (fine)
201972	14380	Roller Presser 201971 with 1528J, 1766c, 50553c and twenty-four 16232
203426	14380	Roller Presser Arm
238527	—	" " " " 203426 with 201972
202560	14380	Roller Presser Arm Bracket (swing)
238528	—	" " " " 202560 with 200096D and 238527
200675c	14380	Roller Presser Arm Bracket Posi- tion Screw Stud
202558	14380	Roller Presser Arm Bracket Spring
202559	14380	" " " " " "
		Stop
200141F	11607	Roller Presser Arm Bracket Spring Stop Screw
200096D	14380	Roller Presser Arm Screw
16232	—	" " Ball, ⅜ in. diameter
1766c	14380	" " " Cone
202557	14183	" " Bar
50553c	14380	" " Hinge Screw
1528J	14380	" " " " Nut

No.	Plate	Name
238529	14378	Roller Presser and Bar complete, Nos. 200675c, 202557 to 202559, 238528 and two 200141F
202068	14183	Spool Holder Base
200575H	14381	" " " Screw
204296	14183	" " Wire
200079H	14381	" " " Hinge Screw ...
204297	14183	Spool Holder complete, Nos. 200079H, 202068 and 204296
237762	14381	Take-up Lever
202399	14381	" " Driving Stud with 202277
202277	—	Take-up Lever Driving Stud Oil Packing (wick)
202400	14381	Take-up Lever Hinge Stud with 202423
202423	—	Take-up Lever Hinge Stud Oil Packing (wick)
200363c	14381	Take-up Lever Hinge Stud Set Screw
202401	—	Take-up Lever Oiling Felt
200132F	14381	" " " " Screw..
202402	11610	Tension Disc (back)
210967	11610	" " (front)
210950	14381	" Release Driving Lever with 200394c and 202676
202676	14381	Tension Release Driving Lever Pin
202677	14381	" " " " " "
		Slide Bar
210966	—	Tension Release Driving Lever Pin Slide Bar 202677 with 200167F and 210952
202678	14381	Tension Release Driving Lever Pin Slide Bar Spring
200394c	14381	Tension Release Driving Lever Set Screw
210951	11610	Tension Release Washer
202407	10881	" Spring
200625F	11610	" Stud with 204925
200061c	14381	" " Set Screw
204925	11610	" " Washer
201572B	10881	" Thumb Nut
210953	11610	Tension complete, Nos. 200625F, 201572B, 202402, 202407, 202682, 210951 and 210967
202682	11610	Thread Controller Spring
210952	11610	" " " Stop
200167F	11610	" " " " Screw
210955	11610	" Guide (upper)

No.	Plate	Name
200582H	11610	Thread Guide Screw (2)
204329	"	" Oiler (felt)
237770	14381	" " Bracket with 204329 ..
200582H	11610	" " " Screw
210956	11610	" Retainer Bracket with 200397H
200582H	11610	" " " Screw (2) ..
210960	11610	" " Disc
210961	11610	" " Plunger
210962	11610	" " " Spring
210993	11610	" " Sleeve
210963	11610	" " Socket
200368H	14381	" " " Set Screw
223844	14381	" " Spring
210957	11610	" " Stud
210958	11610	" " " Collar
200397H	11610	" " " Set Screw
210959	11610	Thread Retainer (lower) complete, Nos. 210956 to 210958, 210993 and 223844
238524	-----	Throat Plate Body
238525	-----	" " Needle Plate, 56 elongated needle hole, for needle sizes 12 and 13
200583H	14381	Throat Plate Needle Plate Screw ..
1094F	14379	" " " Screw (2)
238526	14381	Throat Plate complete, 56 elongated needle hole, for needle sizes 12 and 13, Nos. 238524, 238525 and two 200583H
237744	14183	Vertical Shaft
237745	14381	" " Bevel Gear (lower)
205508	14381	" " " " " "
		Position Pin
235857	14181	Vertical Shaft Bevel Gear (upper) with 200374C and 200396C
200396C	11607	Vertical Shaft Bevel Gear (upper) Position Screw
200374C	14181	Vertical Shaft Bevel Gear (upper) Set Screw
237734	14181	Vertical Shaft Bushing (lower) ...
200346C	14381	" " " " " Set Screw
237746	14378	Vertical Shaft Bushing (upper) ...
200362C	14179	" " " " " Set Screw
237747	14381	Vertical Shaft Driving Gear with 200374C and 200396C
200396C	11607	Vertical Shaft Driving Gear Position Screw

No.	Plate	Name
200374C	14181	Vertical Shaft Driving Gear Set Screw
237754	14381	Vertical Shaft Oil Leader (lower) (brass)
237755	14381	Vertical Shaft Oil Leader (upper) (brass)

ACCESSORIES

No.	Plate	Name
203470	14176	Bobbin (5)
*225482	-----	" Case Screw Driver Blade ...
*225483	-----	" " " " Handle ...
225497	14383	Bobbin Case Screw Driver complete, Nos. 225482 and 225483 ...
237714	-----	Feed Wheel Driving Gear with 200382c and 201220c (for 17½ stitches)
237715	-----	Feed Wheel Driving Gear with 200382c and 201220c (for 19 stitches)
237719	-----	Feed Wheel Driving Pinion with 200382c and 201220c (for 17½ stitches)
237720	-----	Feed Wheel Driving Pinion with 200382c and 201220c (for 19 stitches)
238504	14376	Knife
4822	14195	Roller Presser Hinge Screw Nut Wrench
16 x 4	-----	Needles, two each, sizes 12, 14 and 16
237757	-----	Drip Pan with four wood screws ½ in., No. 5
41400	14383	Machine Rest Pin (wood)
120342	14383	Oiler (copper plated) with 120343 ..
120343	14383	" Spout, 3½ in. long
*225484	-----	Screw Driver Blade
*225485	-----	" " Handle
225498	14383	Screw Driver complete (7½ in. long), Nos. 225484 and 225485 ..
225554	14383	Wrench (steel)

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	14179	" Set Screw

No.	Plate	Name
225381	10884	Spindle
225444	10884	Stop Latch
200056e	10884	" " Screw
225458	10884	" " Thumb Lever
225459	10884	Stop Latch Thumb Lever Hinge Stud
225460	10884	Stop Latch Thumb Lever Joint Stud
202478	10884	Stop Latch Trip Lever
200299n	10884	" " " " Hinge Screw
225461	10881	Tension Bracket with 201499n
200082b	10881	" " Screw
228026	10884	" " " Washer
2102	10881	" Disc
202407	10881	" Spring
201499n	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, 200299n, 202473, 202478, 225381, 225433, 225444, 225453 to 225456, 225458 to 225460, 225462, 228026 and two wood screws ¾ in., No. 13, R.H.B.

KNEE LIFTER

227781	14384	Knee Lifter Rock Lever with 200522c and 200529c
227782	-----	Knee Lifter Rock Lever 227781 with two each 202451 and 202452
227787	14384	Knee Lifter Rock Lever 227782 with 202203 and 227728
202453	14384	Knee Lifter Rock Lever Knee Plate with 200526c
202203	-----	Knee Lifter Rock Lever Knee Plate 202453 with 202454
202454	14384	Knee Lifter Rock Lever Knee Plate Arm
200522c	14195	Knee Lifter Rock Lever Knee Plate Arm Set Screw
200526c	14195	Knee Lifter Rock Lever Knee Plate Set Screw
202451	14384	Knee Lifter Rock Lever Lug with two wood screws ¾ in., No. 13n ..

No.	Plate	Name
202452	14384	Knee Lifter Rock Lever Lug Hinge Pin
227728	14384	Knee Lifter Rock Lever Rod, 3 in. long, with 227729
*227729	-----	Knee Lifter Rock Lever Rod Cap or Oil Guard
200529c	14195	Knee Lifter Rock Lever Rod Set Screw

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

FEED GEARS

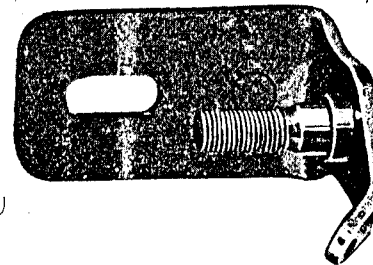
No.	Plate	Name
237763	14195	Feed Wheel Driving Gear with 200382c and 201220c (for 12 stitches)
237711	-	Feed Wheel Driving Gear with 200382c and 201220c (for 14 stitches)
237712	-	Feed Wheel Driving Gear with 200382c and 201220c (for 15 stitches)
237713	14179	Feed Wheel Driving Gear with 200382c and 201220c (for 16 stitches)
237714	-	Feed Wheel Driving Gear with 200382c and 201220c (for 17½ stitches)
237715	-	Feed Wheel Driving Gear with 200382c and 201220c (for 19 stitches)
237751	-	Feed Wheel Driving Gear with 200382c and 201220c (for 23 stitches)
237764	14195	Feed Wheel Driving Pinion with 200382c and 201220c (for 12 stitches)
237716	-----	Feed Wheel Driving Pinion with 200382c and 201220c (for 14 stitches)
237717	-----	Feed Wheel Driving Pinion with 200382c and 201220c (for 15 stitches)
237718	14179	Feed Wheel Driving Pinion with 200382c and 201220c (for 16 stitches)
237719	-	Feed Wheel Driving Pinion with 200382c and 201220c (for 17½ stitches)
237720	-	Feed Wheel Driving Pinion with 200382c and 201220c (for 19 stitches)
237752	-----	Feed Wheel Driving Pinion with 200382c and 201220c (for 23 stitches)

FEED WHEELS

No.	Plate	Name
238523	14382	Feed Wheel
237767	14382	" " (coarse)
237771	14382	" " (knurled)

PLATE 10881—FULL SIZE

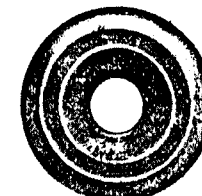
225461



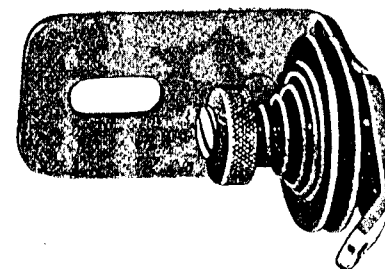
200082 202104



2102



225462



202407



201499



201572



PLATE 10884—FULL SIZE

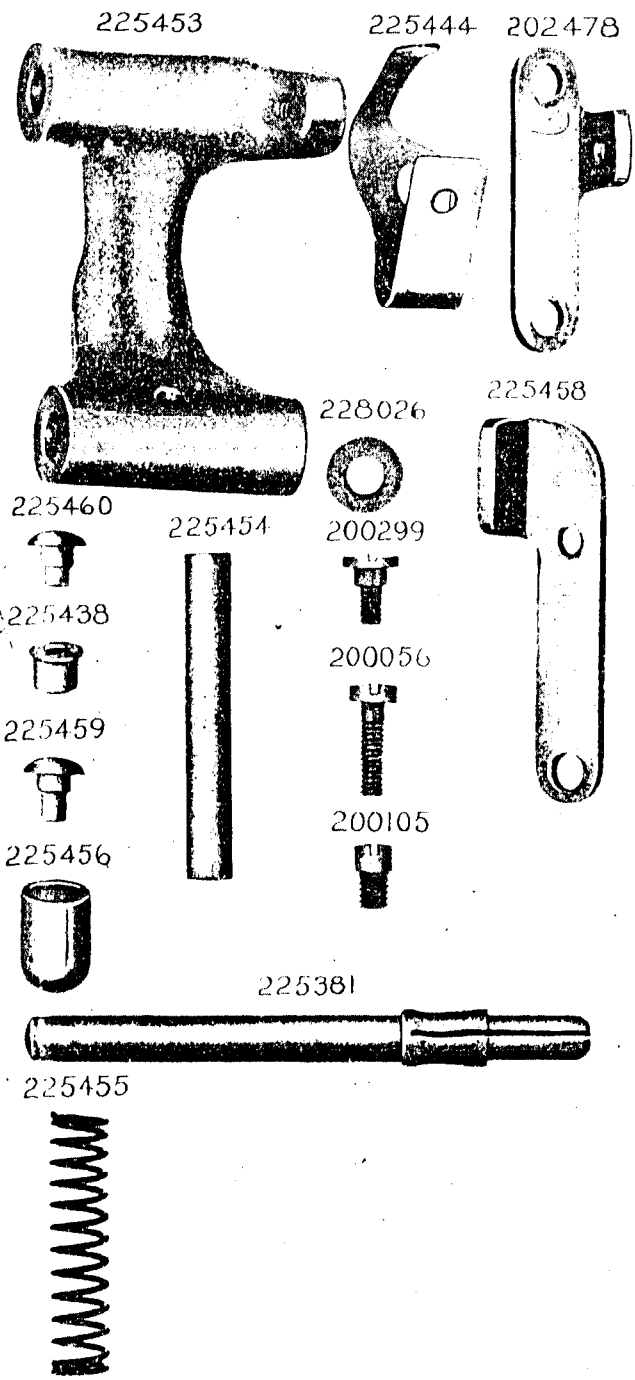
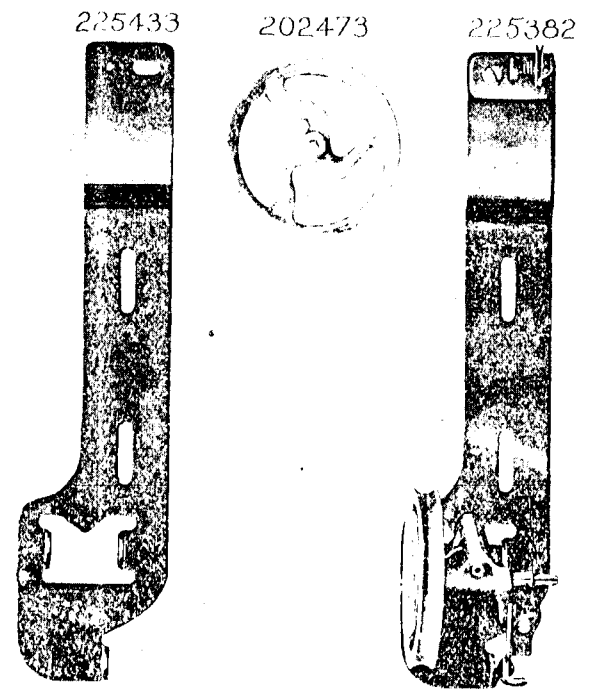


PLATE 10885—ONE-FOURTH SIZE



202552

200428

200161

202329

202333

203172

200086

202666

200098

202668

207072

200141

200822

200386

210910

200396

200625

210951

210953

202402

210967

202407

201572

202682

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210992

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210993

210957

210963

210952

210954

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200582

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200167

200397

200389

PLATE 14176—FULL SIZE

200278 202248 200071 202036 200338

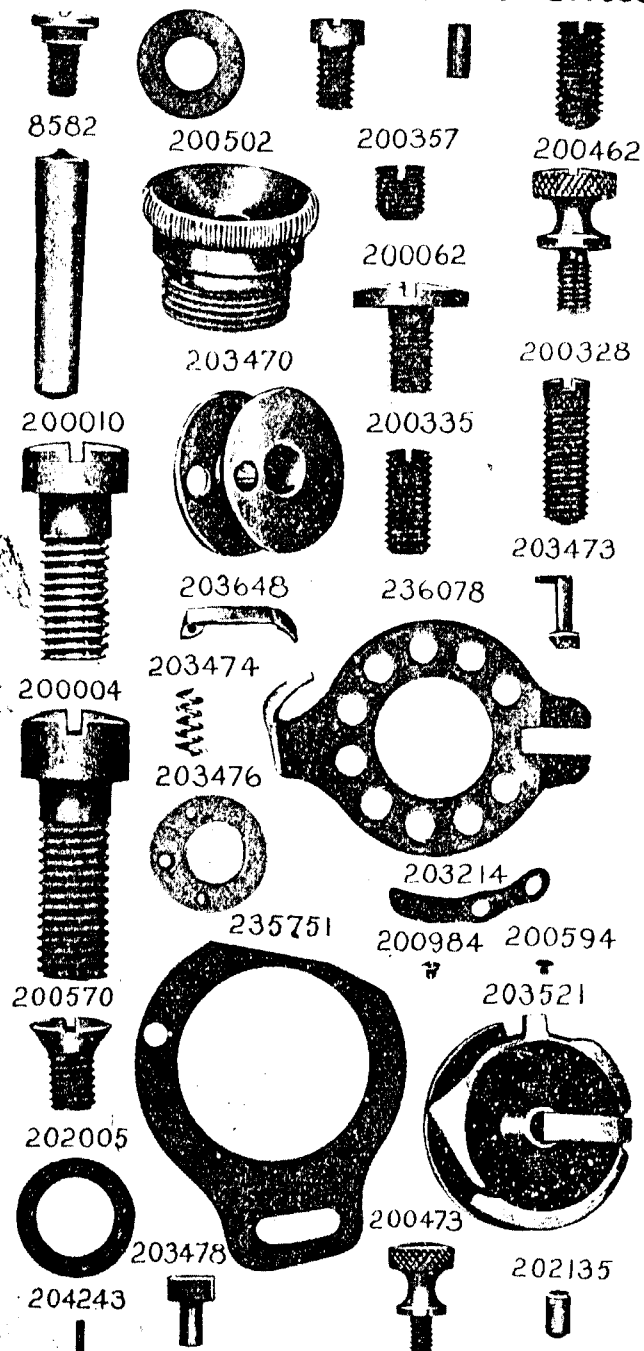


PLATE 14178—ONE-FOURTH SIZE

237721 237702 237728 223842

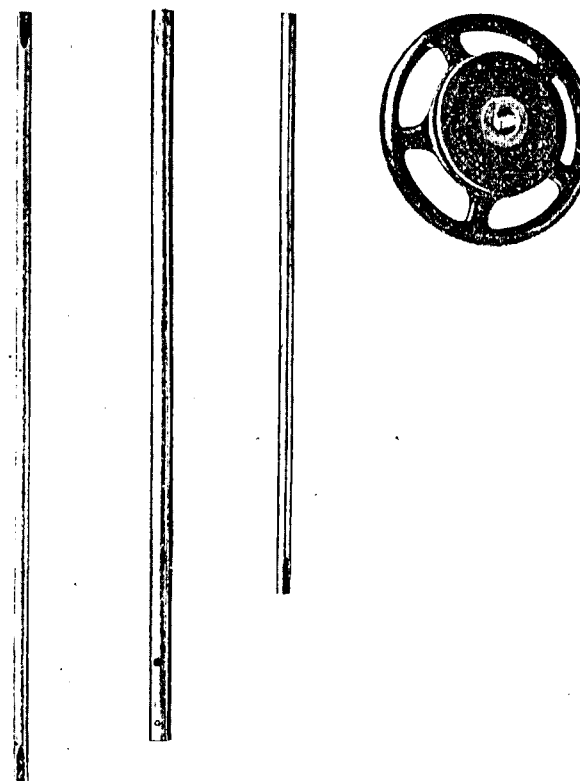
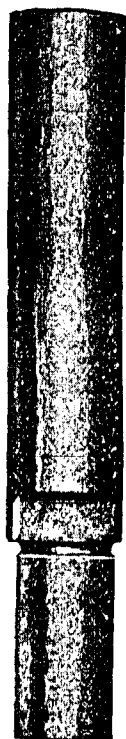
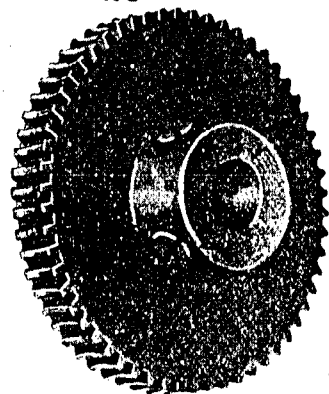


PLATE 14179—FULL SIZE

237723



237724



200378



200382



201220



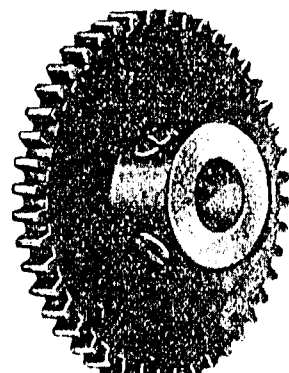
200362



200380



237713

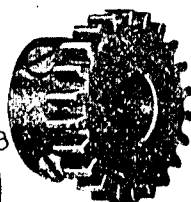


221743



237725

237718



237708



350085



237710



201697

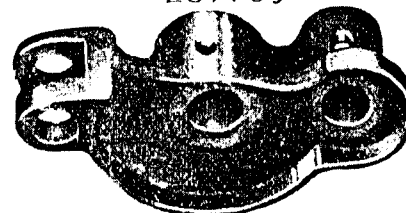


237722

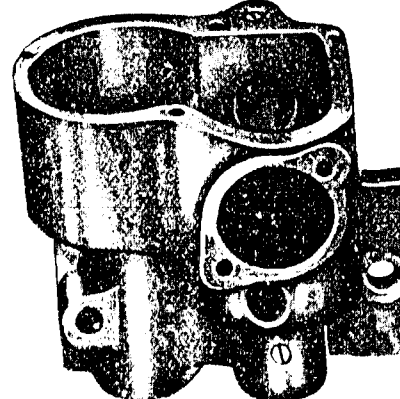


PLATE 14180—ONE-HALF SIZE

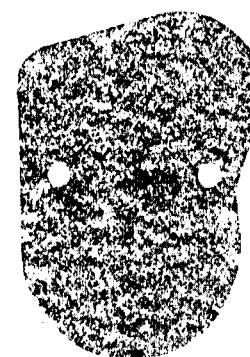
237709



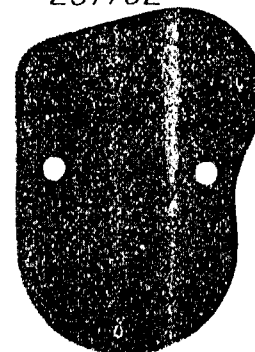
237729



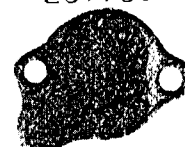
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237732



237730



237731



237735

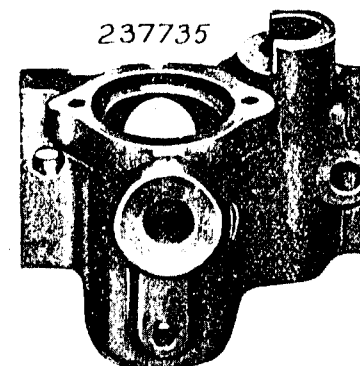


PLATE 14181—FULL SIZE

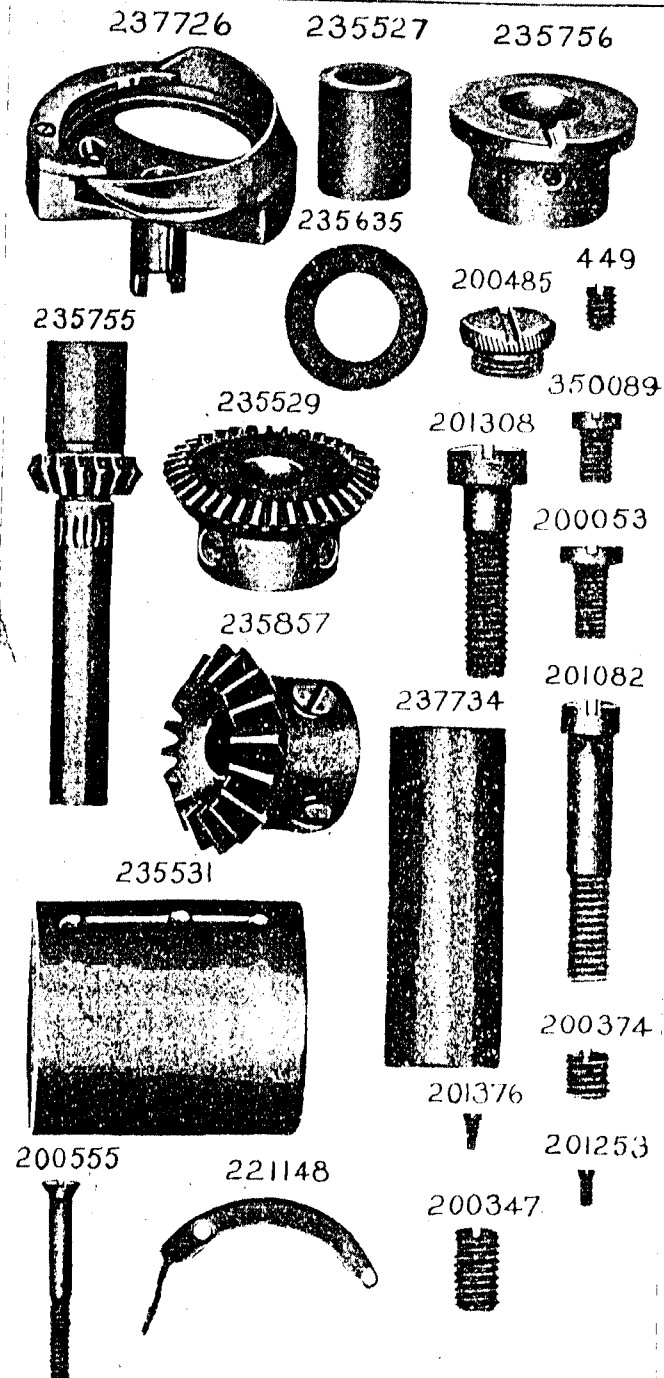


PLATE 14183—ONE-HALF SIZE

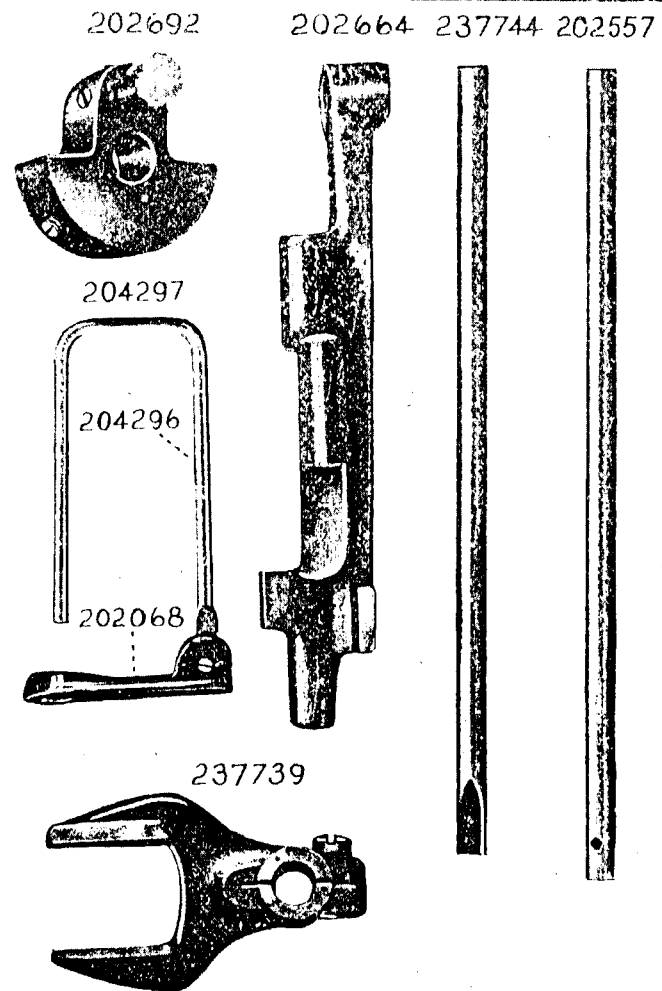


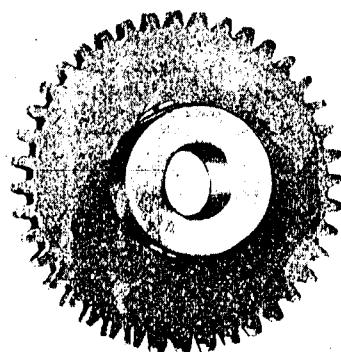
PLATE 14195—FULL SIZE

4822 200522 200526 200529



237763

202452



237764

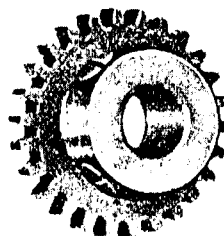
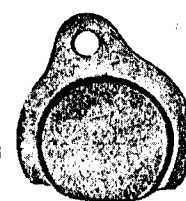
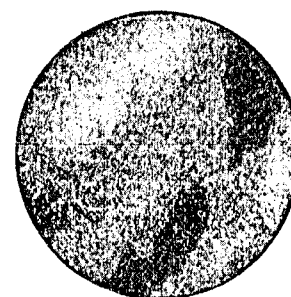


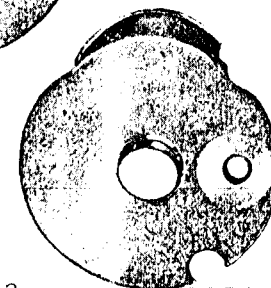
PLATE 14376—FULL SIZE

238503 235534 235649

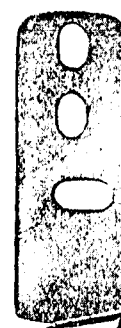


213018

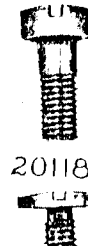
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238504



201058



200262



204235



225532



223811



223812



201318



238509



201121



200169



200386



200392



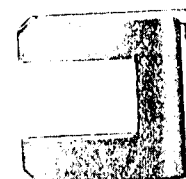
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238512



238511



200080

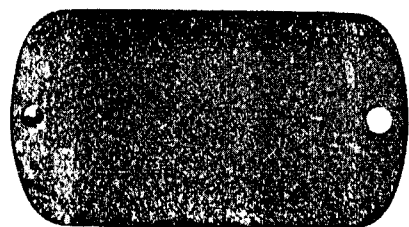


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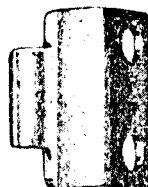


PLATE 14377—ONE-HALF SIZE

202247



202258



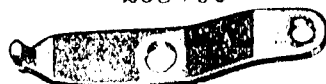
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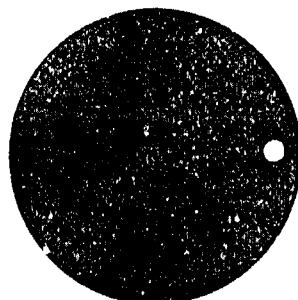
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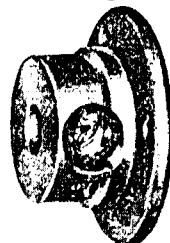
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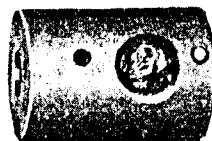
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237748



202245



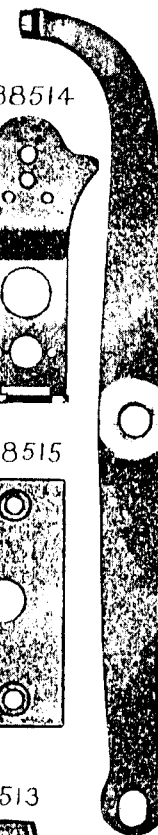
210911

PLATE 14378—ONE-HALF SIZE

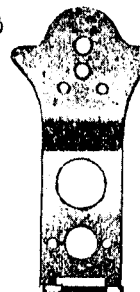
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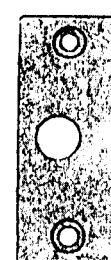
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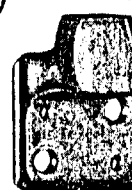
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238515



238513

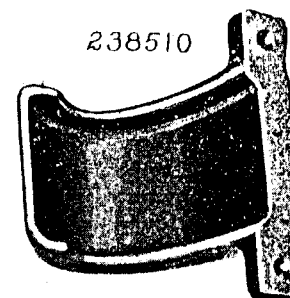


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238529

238510



237746

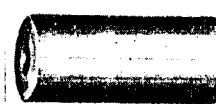


PLATE 14379—FULL SIZE

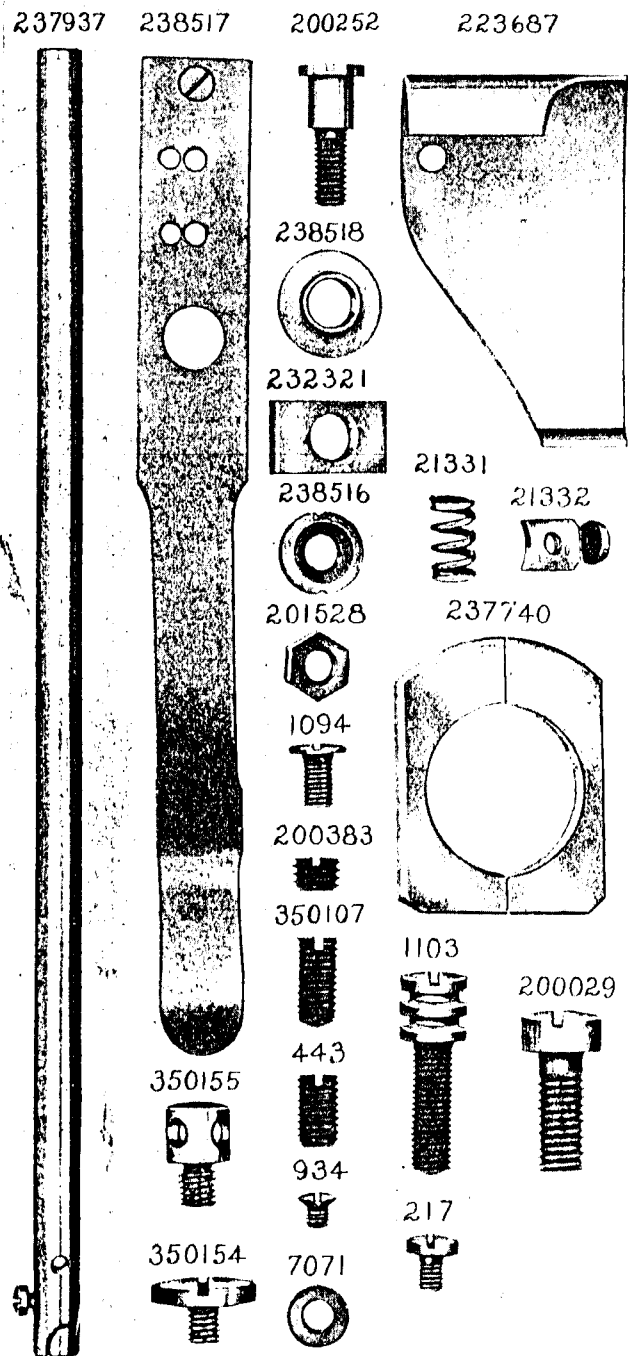


PLATE 14380—FULL SIZE

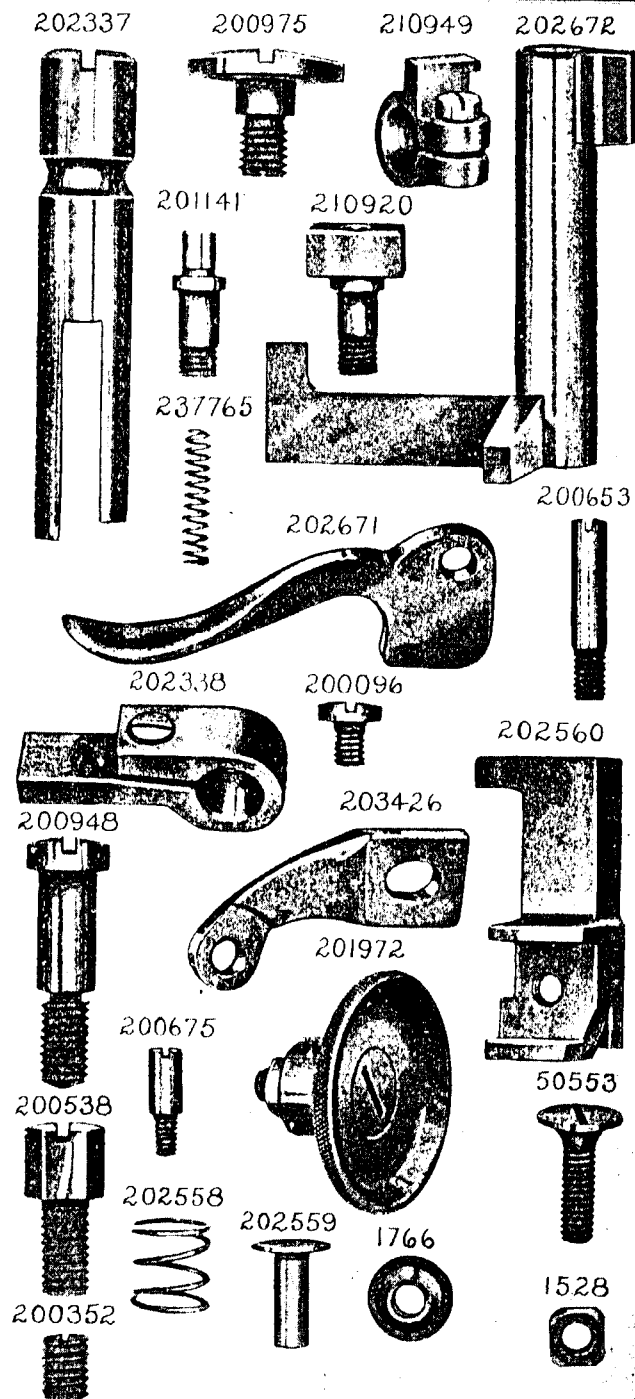


PLATE 14381—FULL SIZE

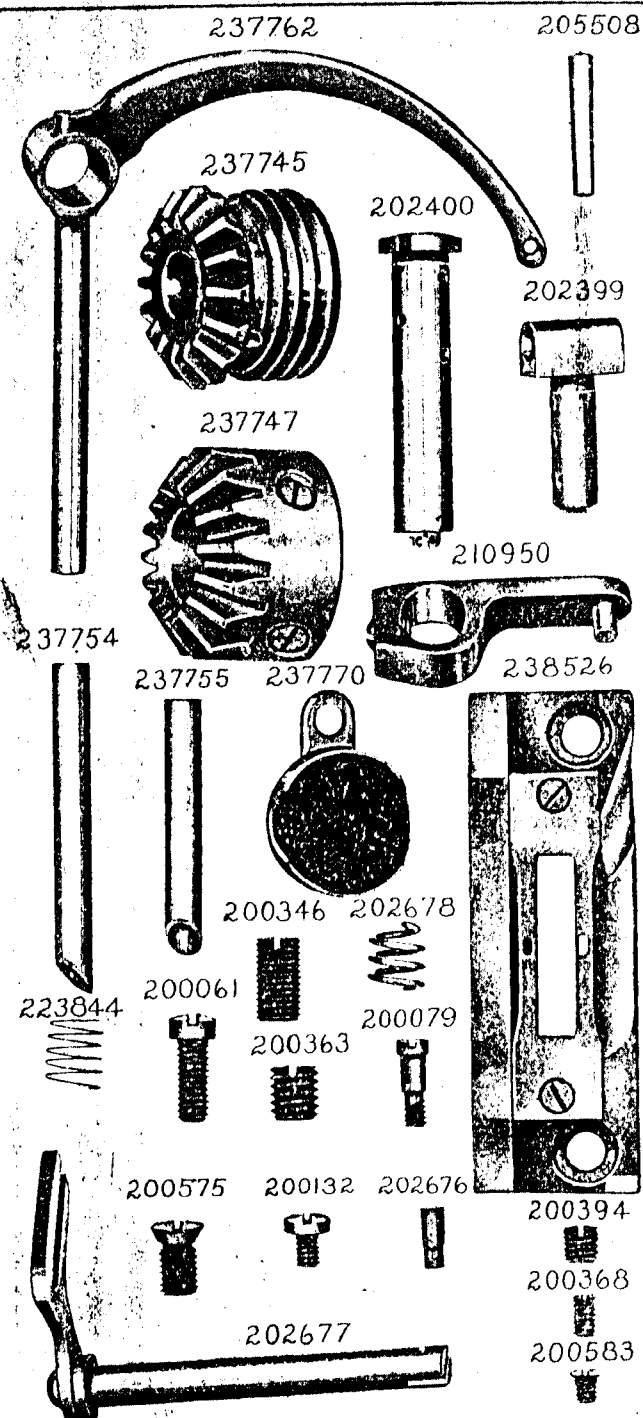


PLATE 14382—FULL SIZE

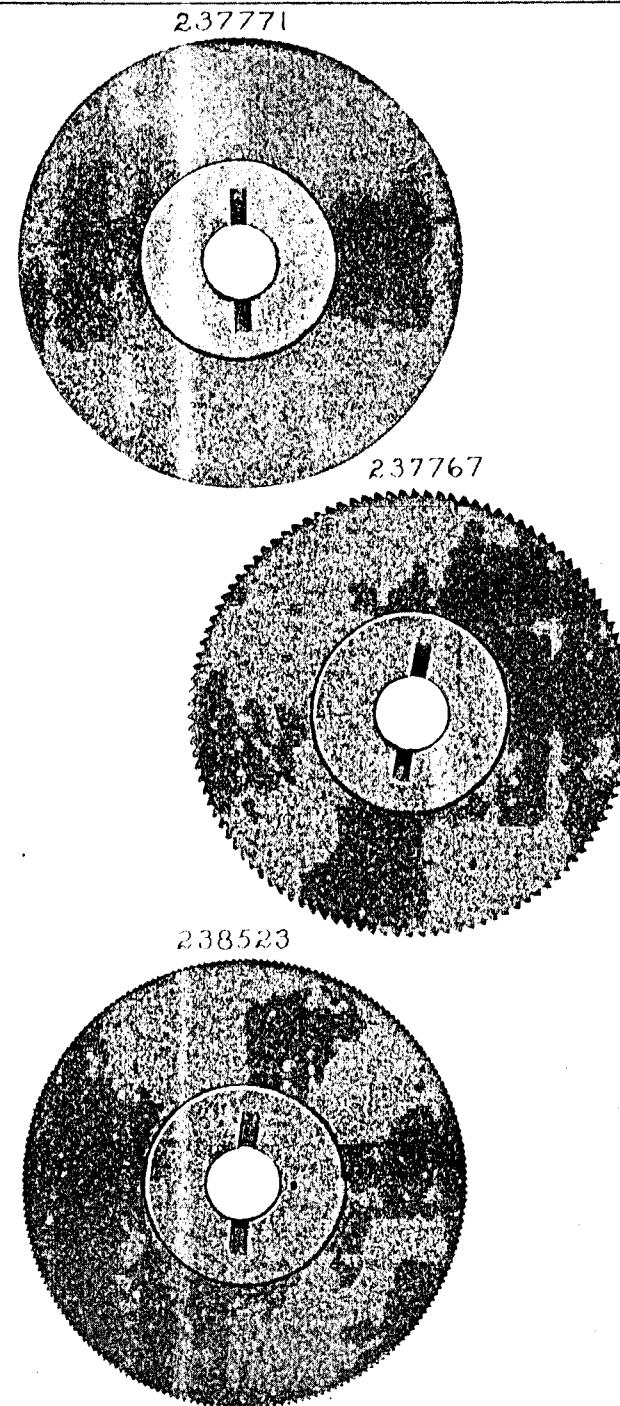


PLATE 14383—ONE-HALF SIZE

225497



225554



225498



41400



120342

120343

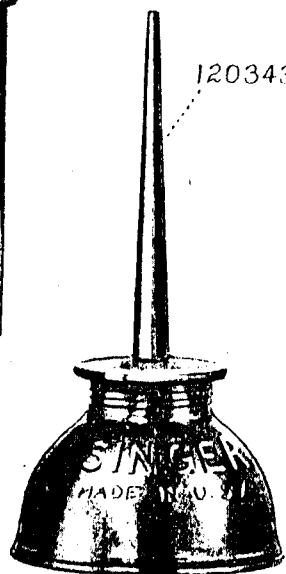


PLATE 14384—ONE-FOURTH SIZE

202451

227787

227728

202454

227781

202453

