

Singer 125-1

Form 8870
August, 1922

LIST
OF
PARTS



MACHINE No. 125-1

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 in every case the number of the single part only.

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

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

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

- A. Hardened, Polished and Plated.
- B. Polished and Plated.
- C. Hardened only.
- D. Polished only.
- E. Soft, not Polished.
- F. Hardened and Polished.
- G.
- H. Blued
- J. Plated only.
- K. Hardened and Plated.
- L. Brass or Gilt.
- M. Oxidized.
- P. Japanned
- R. Parkerized.

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

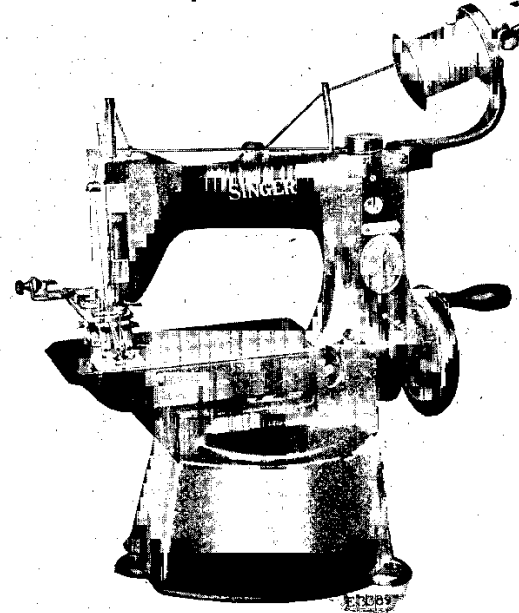
In this series

- 1 to 1500 and 50001 to 51500 are Screw Numbers.
- 1501 to 1800 are Nut Numbers.
- 1801 to 2000 are Roller Numbers.
- 2001 to 50000 and 52001 and upward are numbers of Machine Parts.

The figures in the second column refer only to the plates illustrating the parts, and are **NOT TO BE USED** in ordering.

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

LIST OF PARTS COMPLETE FOR



MACHINE No. 125-1

FOR STITCHING TWO OR FOUR HOLE, FROM 14 TO 24 LINE, BUTTONS ON SHIRTS, UNDERWEAR, ETC. FOR HAND OPERATION ONLY. THE NUMBER OF STITCHES IN EACH BUTTON IS CONTROLLED BY THE OPERATOR. AUTOMATIC TENSION DISC SPOOL HOLDER. BASE NO. 34207. CLOTH PLATE $3\frac{3}{4}$ INCHES WIDE, $\frac{1}{2}$ INCH FROM THE NEEDLE TO EDGE OF CLOTH PLATE NEXT TO OPERATOR.

NO.	PLATE	NAME
*122551	—	Arm, upper and lower (solid).....
34114	8550	“ Rock Shaft.....
32034	8551	“ “ “ Crank (back) with 1259c and 1439c.....

PARTS FOR MACHINE No. 125-1

NO.	PLATE	NAME
1439c	8551	Arm Rock Shaft Crank (back) Position Screw.....
1259c	8551	Arm Rock Shaft Crank (back) Set Screw.
122552	8551	" " " (front) with two 1259c.....
1259c	8551	Arm Rock Shaft Crank (front) Set Screw.
122553	8550	" Rotary Shaft with 1019c.....
122554	8552	" " " Gear with two 462c.....
462c	8552	" " " Set Screw.....
199c	8559	" " " Screw.....
122555	8550	Balance Wheel with 452c.....
80023	8552	" " " Handle (wood).....
122556	8552	" " " Stud.....
122557	—	" " " " 122556 with 8382.....
452c	8557	Balance Wheel Handle Stud Set Screw.....
8382	8552	" " " " Washer.....
122558	8553	Button Clamp (left) with 17720 and 17723.....
122559	8553	Button Clamp (right) with 17720 and 17723.....
122560	8553	Button Clamp Arm.....
122561	8553	" " " Sliding Bracket.....
2022	8558	" " " " " Hinge Pin.....
122562	8558	Button Clamp Arm Sliding Bracket Spring.....
240d	8557	Button Clamp Arm Sliding Bracket Spring Screw.....
1175j	8559	Button Clamp Hinge Screw.....
122563	8558	" " " Lever, for four-hole buttons.....
122564	8553	Button Clamp Lever Adjusting Plate.....
109j	8557	" " " " " Screw.....
23258	8558	Button Clamp Lever Adjusting Plate Screw Washer.....
122565	8558	Button Clamp Lever Adjusting Plate Stop Pin.....
109j	8557	Button Clamp Lever Hinge Screw.....
122566	8558	" " " " Plate.....
208j	8558	" " " " Screw.....
17718	8558	" " " " Washer.....
93j	8558	" " " " Position Screw.....
1117j	8558	" " " " Regulating Thumb Screw.....

PARTS FOR MACHINE No. 125-1

NO.	PLATE	NAME
1758j	8558	Button Clamp Lever Regulating Thumb Screw Locking Thumb Nut.....
122569	8558	Button Clamp Pitman (lower).....
1175j	8559	" " " " " Screw.....
122568	8553	" " " " " Bracket with 42639.....
226j	8558	Button Clamp Pitman (lower) Screw Bracket Screw.....
122567	8558	Button Clamp Pitman (upper).....
122570	8558	" " " " Coupling with two 50138j.....
50138j	8557	Button Clamp Pitman Set Screw.....
122571	—	Button Clamp Pitman complete, Nos. 122567, 122569 and 122570.....
17716	8558	Button Clamp Spreader.....
17717	8553	" " " " Lever.....
50237k	8557	" " " " " Hinge Screw.....
1180j	8558	Button Clamp Spreader Lever Locking Thumb Screw.....
17718	8558	Button Clamp Spreader Lever Locking Thumb Screw Washer.....
1182e	8558	Button Clamp Spreader Screw.....
122572	8558	" " " " Spring.....
42639	8553	" " " " " Pin.....
1181j	8558	" " " " " Screw Stud.....
17720	8553	Button Clamp Spreader Steady Pin.....
122573	8553	" " " Spring (left).....
122574	8553	" " " " (right).....
228j	8557	" " " " Screw.....
17720	8553	" " " " Steady Pin.....
17722	8553	" " " Stop with two 17720.....
1183j	8558	" " " " Screw.....
17723	8553	" " " Stud.....
122575	8555	Button Clamp complete, Nos. 93j, 240d, 1117j, 1180j, 1181j, 1182e, 1183j, 1758j, 17716, 17717, 17722, 23258, 50237k, 122558 to 122564, 122566, 122568, 122571 to 122574, two each 109j, 208j, 226j, 228j, 122565 and three each 1175j and 17718.....
122596	—	Button Clamp 122575 with 2022, 122584, 122585 and two 337j.....
122576	8556	Cloth Plate.....
1104f	8558	" " " Screw (large).....
219f	8558	" " " " (small).....

NO.	PLATE	NAME
34433	8551	Crank Connecting Rod with 34434 and two 171E
*34434	—	Crank Connecting Rod Cap
171E	8551	" " " " Screw
1139C	8551	" " " " Hinge Screw
1520E	8551	" " " " " Nut
34133	8551	Face Plate with 22414
337D	8557	" " " " Screw
22414	8551	" " " " Thread Eyelet
122577	8550	Feed Cam and Gear (solid) with two 457C
457C	8557	" " " " " Set Screw
122599	8550	" " " " " Shaft
122579	8550	" " " " " Bracket with 449C
130D	8559	Feed Cam and Gear Shaft Bracket Screw
122600	8552	" " " " " Collar with two 465C
465C	8552	Feed Cam and Gear Shaft Collar Set Screw
122580	8560	Feed Lever with 1823
122581	8560	" " " " Hinge Stud
449C	8557	" " " " " Set Screw
122582	8560	" " " " Connection
122583	8560	" " " " " Extension
50130C	8558	" " " " " Hinge Screw
190D	8559	Feed Lever Connection Screw
7071	8560	" " " " " Washer
1823	8560	" " " " " Roller and Stud
122584	8560	" " " " " Plate
122585	8560	" " " " " Bracket
337J	8557	" " " " " Screw
50474C	8560	" " " " " Regulating Screw Stud
212D	8558	" " " " " Cap Screw
1698C	8560	" " " " " Nut
18413	8560	" " " " " Spring
34099	8560	" " " " " Washer
50475J	8552	" " " " " Thumb Screw
1755J	8557	" " " " " Lock Nut
122586	8560	" " " " " Sleeve
122587	8552	" " " " " Regulator with 1186C
1186C	8558	" " " " " Clamping Screw
122588	8552	" " " " " Slide
122589	8552	Looper with 34418
1019C	8557	" " " " " Set Screw
34418	—	" " " " " Washer
122590	8557	Needle Bar

NO.	PLATE	NAME
34170	8552	Needle Bar Connecting Link with two 1313E
1313E	8558	Needle Bar Connecting Link Adjusting Screw
32111	8552	Needle Bar Connecting Stud with 195E and 1296C
195E	8558	Needle Bar Connecting Stud Clamping Screw
1296C	8557	Needle Bar Position Screw
122591	8552	" " " " " Clamp with 228F
662D	8557	" " " " " Screw
228F	8557	" " " " " Set Screw
122592	8557	Presser Bar
34104	8557	" " " " " Guide Bracket with 223D
223D	8558	" " " " " Adjusting Screw
34105	8557	Presser Bar Guide Bracket Guide
457C	8557	" " " " " " Set Screw
999F	8559	" " " " " " Set Screw
122593	8557	" " " " " Lifter
50293E	8558	" " " " " Hinge Screw
1521E	8552	" " " " " " Nut
9534	8557	" " " " " Spring
22405	8557	" " " " " Washer
1121D	8559	Pressure Regulating Thumb Screw
34136	8550	Pulley and Thread Nipper Rod Eccentric, 2 in. diam
1167E	8559	Pulley and Thread Nipper Rod Eccentric Screw
34137	8550	Spool Bracket with 1009C
2049	8552	" " " " " Dowel Pin
1008D	8559	" " " " " Screw
19066	8550	" " " " " Spindle
1009C	8557	" " " " " Set Screw
19067	8550	" " " " " Thread Guiding Disc
691A	8552	" " " " " " Screw
34171	8557	Thread Eyelet (double)
122594	8560	" " " " " Guard
34139	8559	" " " " " Nipper Adjusting Stud
34140	—	" " " " " " 34139 with 22434 to 22436
1170H	8558	Thread Nipper Adjusting Stud Hole Plug Screw
22434	8559	Thread Nipper Adjusting Stud Washer (leather) lower
22435	8559	Thread Nipper Adjusting Stud Washer (leather) upper

NO.	PLATE	NAME
22436	8559	Thread Nipper Adjusting Stud Washer (steel)
34212	8559	Thread Nipper Body with two 22447
34292	—	Thread Nipper Body complete, Nos. 22440, 22443, 22446, 22450, 34212, 34213, 34432, 34520 and two 22451
1125B	8557	Thread Nipper Body Set Screw
34430	—	“ “ Cap
*34431	—	“ “ Stud
34432	8559	“ “ “ “ 34431 with 34430
22440	8559	Thread Nipper Cap Washer (cloth)
34213	8560	“ “ Disc (grooved)
22443	8560	“ “ Locking Washer
34520	8559	“ “ “ “ Cap (leather)
22446	8559	Thread Nipper Ring
22447	8559	“ “ “ Position Pin
22449	8559	“ “ Rod
22450	8559	“ “ Spring with 22452 and 22453
22451	8559	Thread Nipper Spring Washer (leather) lower
22451	8559	Thread Nipper Spring Washer (leather) upper
22452	8559	Thread Nipper Spring Washer (flange) lower
22453	8559	Thread Nipper Spring Washer (flange) upper
9543	8552	Thread Retaining Disc (lower)
34439	8552	“ “ “ (upper)
34410	8559	“ “ “ Cover
50014c	8557	“ “ “ “ Set Screw
9545	8559	“ “ “ Spring
122595	8552	Throat Plate
244F	8557	“ “ Screw

IRON BASE

NO.	PLATE	NAME
34207	8556	Iron Base with three wood screws 1¼ in. No. 12
663E	8559	Machine Screw
43267	8557	“ “ Washer

ACCESSORIES

NO.	PLATE	NAME
36569	8554	Oiler with 36571
36570	—	“ 36569, filled with oil
36571	8554	“ Spout, 1¼ in. long, with 36807
36807	8559	“ “ Washer (leather)
26026	8554	Screw Driver (large)
26485	8554	“ “ (small)
25539	8554	Stiletto
4822	8554	Wrench for 1698

OBSOLETE

122578	8560	Feed Cam and Gear Shaft
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NUMERICAL LIST OF PARTS

NO.	PLATE	NAME
93J	8558	Button Clamp Lever Position Screw for 122575.....
109J	8557	Button Clamp Lever Adjusting Plate Screw for 122575.....
109J	8557	Button Clamp Lever Hinge Screw for 122575.....
130D	8559	Feed Cam and Gear Shaft Bracket Screw.
171E	8551	Crank Connecting Rod Cap Screw for 34433.....
190D	8559	Feed Lever Connection Screw.....
195E	8558	Needle Bar Connecting Stud Clamping Screw for 32111.....
199C	8559	Arm Rotary Shaft Screw.....
208J	8558	Button Clamp Lever Plate Screw for 122575.....
212D	8558	Feed Regulating Screw Stud Cap Screw.
219F	8558	Cloth Plate Screw (small).....
223E	8558	Presser Bar Guide Bracket Adjusting Screw for 34104.....
226J	8558	Button Clamp Pitman (lower) Screw Bracket Screw for 122575.....
228J	8557	Button Clamp Spring Screw for 122575.
228F	8557	Needle Set Screw for 122591.....
240D	8557	Button Clamp Arm Sliding Bracket Spring Screw for 122575.....
244F	8557	Throat Plate Screw.....
337D	8557	Face Plate Screw.....
337J	8557	Feed Plate Screw for 122596.....
449C	8557	" Lever Hinge Stud Set Screw for 122579.....
452C	8557	Balance Wheel Handle Stud Set Screw for 122555.....
457C	8557	Feed Cam and Gear Set Screw for 122577.
457C	8557	Presser Bar Guide Bracket Guide Set Screw.....
462C	8552	Arm Rotary Shaft Gear Set Screw for 122554.....
465C	8552	Feed Cam and Gear Shaft Collar Set Screw for 122600.....
662D	8557	Needle Clamp Screw.....
663E	8559	Machine Screw (Iron Base).....
691A	8552	Spool Thread Guiding Disc Screw.....

NUMERICAL LIST OF PARTS

NO.	PLATE	NAME
999F	8559	Presser Bar Guide Bracket Set Screw
1008D	8559	Spool Bracket Screw
1009C	8557	" Spindle Set Screw for 34137
1019C	8557	Looper Set Screw for 122553
1104F	8558	Cloth Plate Screw (large)
1117J	8558	Button Clamp Lever Regulating Thumb Screw for 122575
1121D	8559	Pressure Regulating Thumb Screw
1125B	8557	Thread Nipper Body Set Screw
1139C	8551	Crank Connecting Rod Hinge Screw
1167E	8559	Pulley and Thread Nipper Rod Eccentric Screw
1170H	8558	Thread Nipper Adjusting Stud Hole Plug Screw
1175J	8559	Button Clamp Hinge Screw for 122575
1175J	8559	" " Pitman (lower) Screw for 122575
1180J	8558	Button Clamp Spreader Lever Locking Thumb Screw for 122575
1181J	8558	Button Clamp Spreader Spring Screw Stud for 122575
1182E	8558	Button Clamp Spreader Screw for 122575
1183J	8558	" " Stop Screw for 122575
1186C	8558	Feed Regulator Clamping Screw for 122587
1259C	8551	Arm Rock Shaft Crank (back) Set Screw for 32034
1259C	8551	Arm Rock Shaft Crank (front) Set Screw for 122552
1296C	8557	Needle Bar Position Screw for 32111
1313E	8558	" " Connecting Link Adjusting Screw for 34170
1439C	8551	Arm Rock Shaft Crank (back) Position Screw for 32034
1520E	8551	Crank Connecting Rod Hinge Screw Nut
1521E	8552	Presser Bar Lifter Hinge Screw Nut
1698C	8560	Feed Regulating Screw Stud Nut
1755J	8557	" " Thumb Screw Lock Nut
1758J	8558	Button Clamp Lever Regulating Thumb Screw Locking Thumb Nut for 122575
1823	8560	Feed Lever Roller and Stud for 122580
2022	8558	Button Clamp Arm Sliding Bracket Hinge Pin for 122596
2049	8552	Spool Bracket Dowel Pin
4822	8554	Wrench for 1698 (Accessories)
7071	8560	Feed Lever Connection Screw Washer

NUMERICAL LIST OF PARTS

NO.	PLATE	NAME
8382	8552	Balance Wheel Handle Stud Washer for 122557
9534	8557	Presser Bar Spring
9543	8552	Thread Retaining Disc (lower)
9545	8559	" " " Spring
17716	8558	Button Clamp Spreader for 122575
17717	8553	" " " Lever for 122575
17718	8558	" " " Lever Plate Screw Washer for 122575
17718	8558	Button Clamp Spreader Lever Locking Thumb Screw Washer for 122575
17720	8553	Button Clamp Spreader Steady Pin for 17722
17720	8553	Button Clamp Spring Steady Pin for 122558 and 122559
17722	8553	Button Clamp Stop with two 17720, for 122575
17723	8553	Button Clamp Stud for 122558 and 122559
18413	8560	Feed Regulating Screw Stud Spring
19066	8550	Spool Spindle
19067	8550	" Thread Guiding Disc
22405	8557	Presser Bar Spring Washer
22414	8551	Face Plate Thread Eyelet for 34133
		Nos. 22434 to 22436 FOR 34140
22434	8559	Thread Nipper Adjusting Stud Washer (leather) lower
22435	8559	Thread Nipper Adjusting Stud Washer (leather) upper
22436	8559	Thread Nipper Adjusting Stud Washer (steel)
22440	8559	Thread Nipper Cap Washer (cloth) for 34292
22443	8560	Thread Nipper Locking Washer for 34292
22446	8559	Thread Nipper Ring for 34292
22447	8559	" " " Position Pin for 34212
22449	8559	" " " Rod
22450	8559	" " " Spring with 22452 and 22453, for 34292
22451	8559	Thread Nipper Spring Washer (leather) lower, for 34292
22451	8559	Thread Nipper Spring Washer (leather) upper, for 34292
22452	8559	Thread Nipper Spring Washer (flange) lower, for 22450

NUMERICAL LIST OF PARTS

NO.	PLATE	NAME
22453	8559	Thread Nipper Spring Washer (flange) upper, for 22450
23258	8558	Button Clamp Lever Adjusting Plate Screw Washer for 122575
25539	8554	Stiletto (Accessories)
26026	8554	Screw Driver, large (Accessories)
26485	8554	" " small (Accessories)
32034	8551	Arm Rock Shaft Crank (back) with 1259c and 1439c
32111	8552	Needle Bar Connecting Stud with 195E and 1296c
34099	8560	Feed Regulating Screw Stud Washer
34104	8557	Presser Bar Guide Bracket with 223E
34105	8557	" " " " Guide
34114	8550	Arm Rock Shaft
34133	8551	Face Plate with 22414
34136	8550	Pulley and Thread Nipper Rod Eccentric, 2 in. diam
34137	8550	Spool Bracket with 1009c
34139	8559	Thread Nipper Adjusting Stud for 34140
34140	—	" " " " 34139 with 22434 to 22436
34170	8552	Needle Bar Connecting Link with two 1313E
34171	8557	Thread Eyelet (double)
34207	8556	Iron Base with three wood screws 1¼ in. No. 12
34212	8559	Thread Nipper Body with two 22447, for 34292
34213	8560	Thread Nipper Disc (grooved) for 34292
34292	—	Thread Nipper Body complete, Nos. 22440, 22443, 22446, 22450, 34212, 34213, 34432, 34520 and two 22451
34410	8559	Thread Retaining Disc Cover
34418	—	Looper Washer for 122589
34430	—	Thread Nipper Cap for 34432
*34431	—	" " " " Stud for 34432
34432	8559	" " " " 34431 with 34430, for 34292
34433	8551	Crank Connecting Rod with 34434 and two 171E
*34434	—	Crank Connecting Rod Cap for 34433
34439	8552	Thread Retaining Disc (upper)
34520	8559	" Nipper Locking Washer Cap (leather) for 34292
36569	8554	Oiler with 36571, for 36570
36570	—	" 36569 filled with oil (Accessories)

NUMERICAL LIST OF PARTS

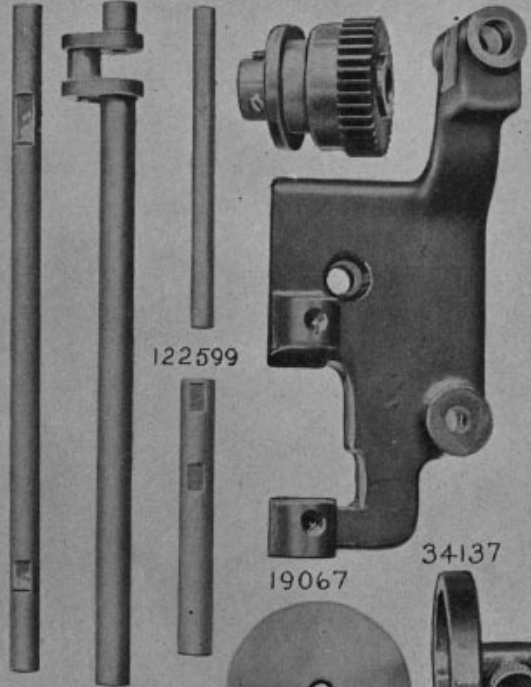
NO.	PLATE	NAME
36571	8554	Oiler Spout, 1¾ in. long, with 36807, for 36569
36807	8559	Oiler Spout Washer (leather) for 36571
42639	8553	Button Clamp Spreader Spring Pin for 122568
43267	8557	Machine Screw Washer (Iron Base)
50014c	8557	Thread Retaining Disc Cover Set Screw
50130c	8558	Feed Lever Connection Extension Hinge Screw
50138j	8557	Button Clamp Pitman Set Screw for 122570
50237k	8557	Button Clamp Spreader Lever Hinge Pin for 122575
50293E	8558	Presser Bar Lifter Hinge Screw
50474c	8560	Feed Regulating Screw Stud
50475j	8552	" " Thumb Screw
80023	8552	Balance Wheel Handle (wood)
*122551	—	Arm, upper and lower (solid)
122552	8551	" Rock Shaft Crank (front) with two 1259c
122553	8550	Arm Rotary Shaft with 1019c
122554	8552	" " " Gear with two 462c
122555	8550	Balance Wheel with 452c
122556	8552	" " Handle Stud for 122557
122557	—	" " " " 122556 with 8382
Nos. 122558 to 122566 for 122575.		
122558	8553	Button Clamp (left) with 17720 and 17723
122559	8553	Button Clamp (right) with 17720 and 17723
122560	8553	Button Clamp Arm
122561	8553	" " " Sliding Bracket
122562	8558	" " " " Spring
122563	8558	" " Lever, for four-hole button
122564	8553	" " " Adjusting Plate
122565	8558	" " " " Stop Pin
122566	8558	Button Clamp Lever Plate
122567	8558	" " Pitman (upper) for 122571
122568	8553	" " " (lower) Screw Bracket with 42639, for 122575
122569	8558	Button Clamp Pitman (lower) for 122571
122570	8558	" " " Coupling with two 50138j, for 122571

NUMERICAL LIST OF PARTS

NO.	PLATE	NAME
Nos. 122571 to 122574 FOR 122575		
122571	—	Button Clamp Pitman complete, Nos. 122567, 122569 and 122570
122572	8558	Button Clamp Spreader Spring
122573	8553	“ “ Spring (left)
122574	8553	“ “ “ (right)
122575	8555	Button Clamp complete for 122596, Nos. 93j, 240b, 1117j, 1180j, 1181j, 1182e, 1183j, 1758j, 17716, 17717, 17722, 23258, 50237k, 122558 to 122564, 122566, 122568, 122571 to 122574, two each 109j, 208j, 226j, 228j, 122565 and three each 1175j and 17718
122576	8556	Cloth Plate
122577	8550	Feed Cam and Gear (solid) with two 457c
122578	8560	“ “ “ “ Shaft, obsolete
122579	8550	“ “ “ “ Bracket with 440c
122580	8560	Feed Lever with 1823
122581	8560	“ “ Hinge Stud
122582	8560	“ “ Connection
122583	8560	“ “ “ Extension
122584	8560	“ Plate for 122596
122585	8560	“ “ Bracket for 122596
122586	8560	“ Regulating Thumb Screw Sleeve
122587	8552	“ Regulator with 1186c
122588	8552	“ “ Slide
122589	8552	Looper with 34418
122590	8557	Needle Bar
122591	8552	“ Clamp with 228f
122592	8557	Presser Bar
122593	8557	“ “ Lifter
122594	8560	Thread Guard
122595	8552	Throat Plate
122596	—	Button Clamp 122575 with 2022, 122584, 122585 and two 337j
122599	8550	Feed Cam and Gear Shaft
122600	8552	“ “ “ “ “ Collar with two 465c

PLATE 8550—ONE-HALF SIZE

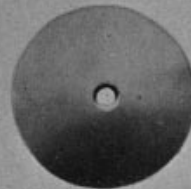
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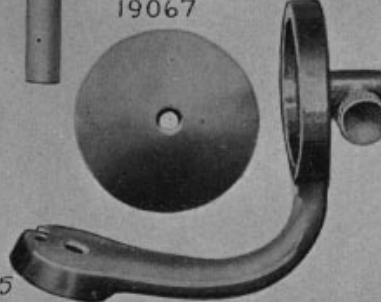
122599



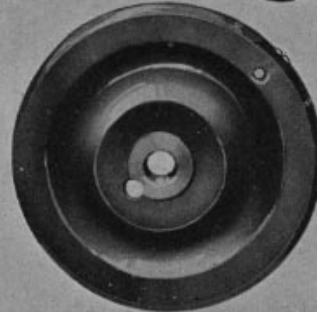
19067



34137



122555



34136

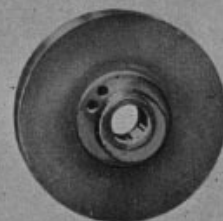


PLATE 8551—FULL SIZE

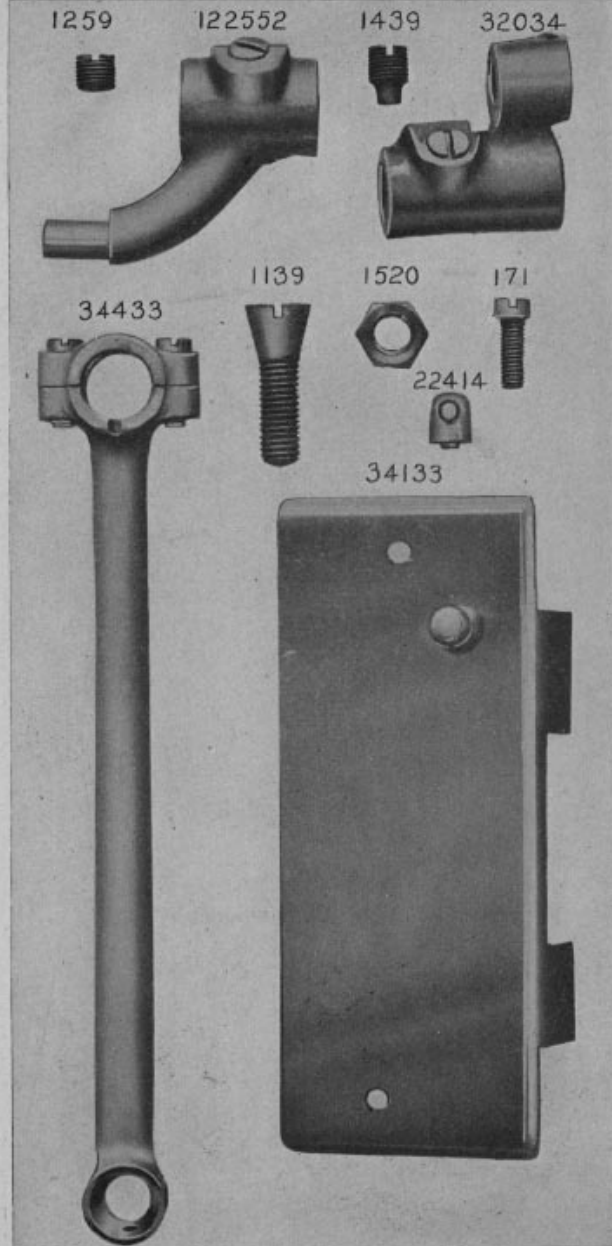


PLATE 8552—FULL SIZE

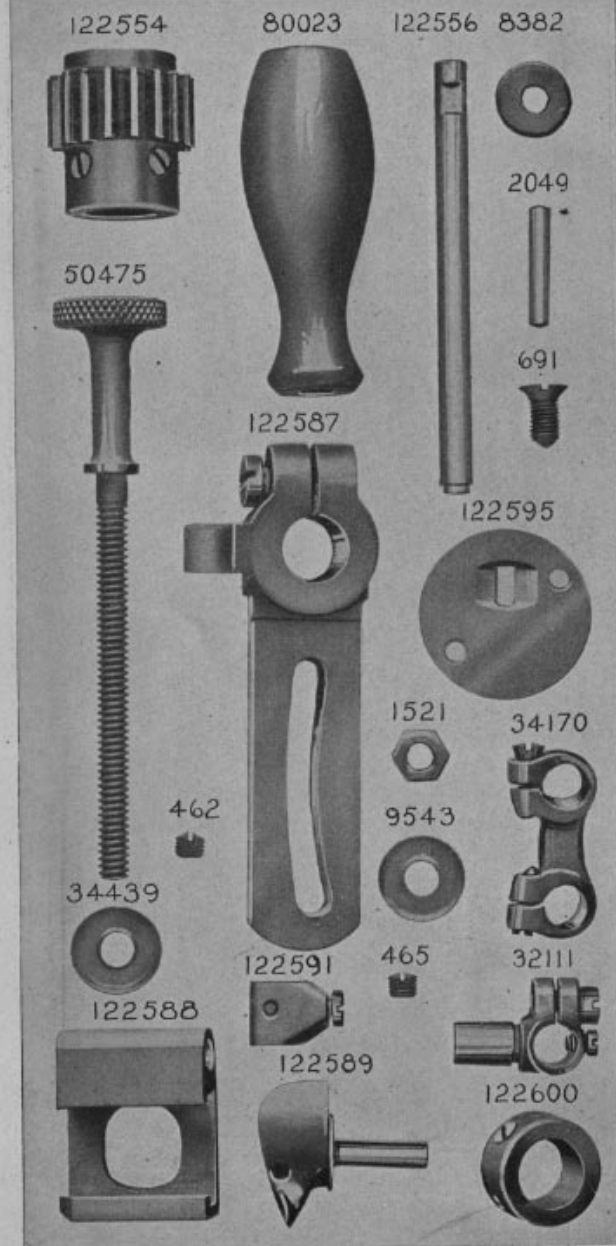
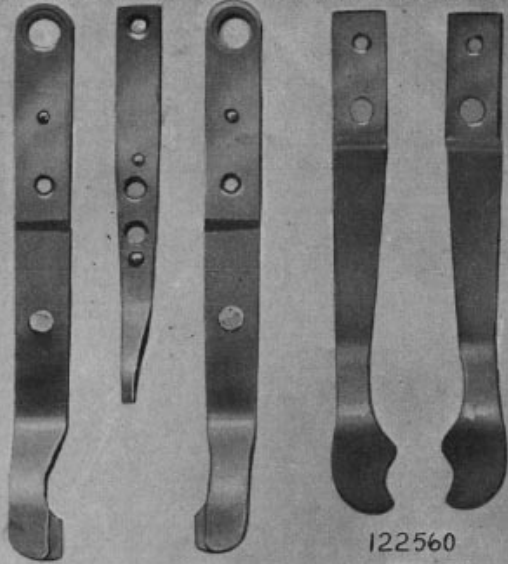


PLATE 8553—FULL SIZE

122559 17722 122558 122574 122573



122568 17717



122561



122564



17723

17720

42639



122560

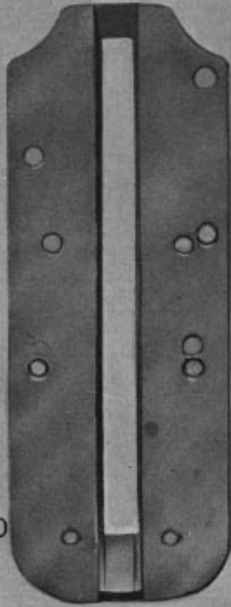
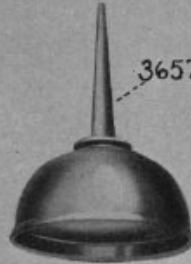


PLATE 8554—ONE-HALF SIZE

36569 25539 26485 26026



36571



4822



PLATE 8555—FULL SIZE

122575

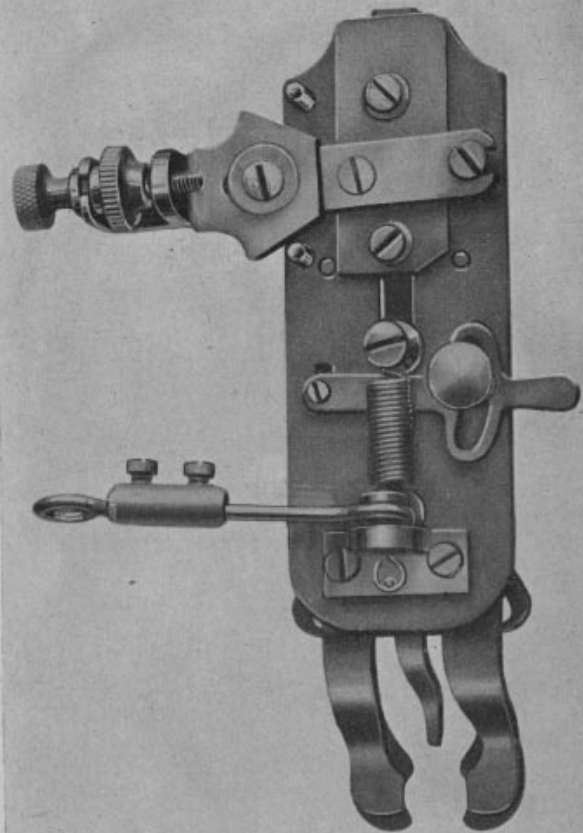


PLATE 8556—ONE-FOURTH SIZE

34207

122576

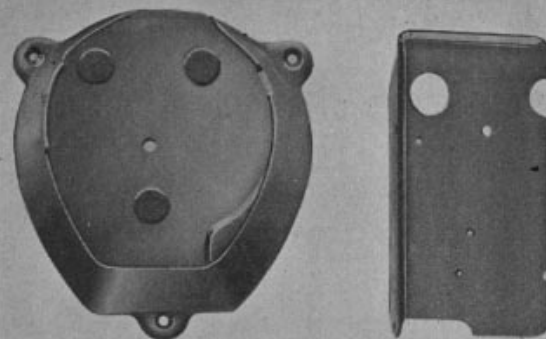


PLATE 8557—FULL SIZE

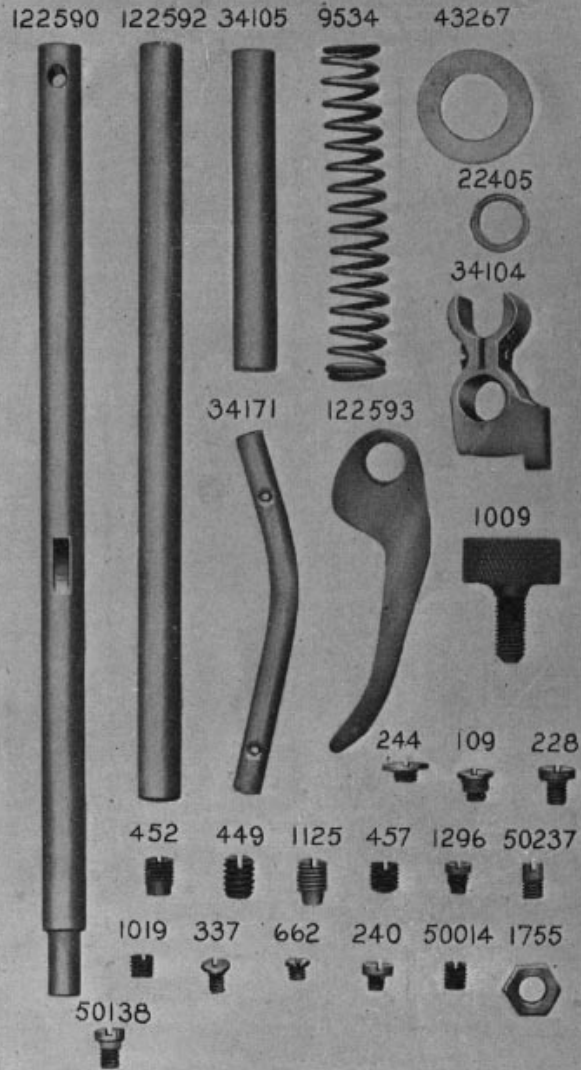


PLATE 8558—FULL SIZE

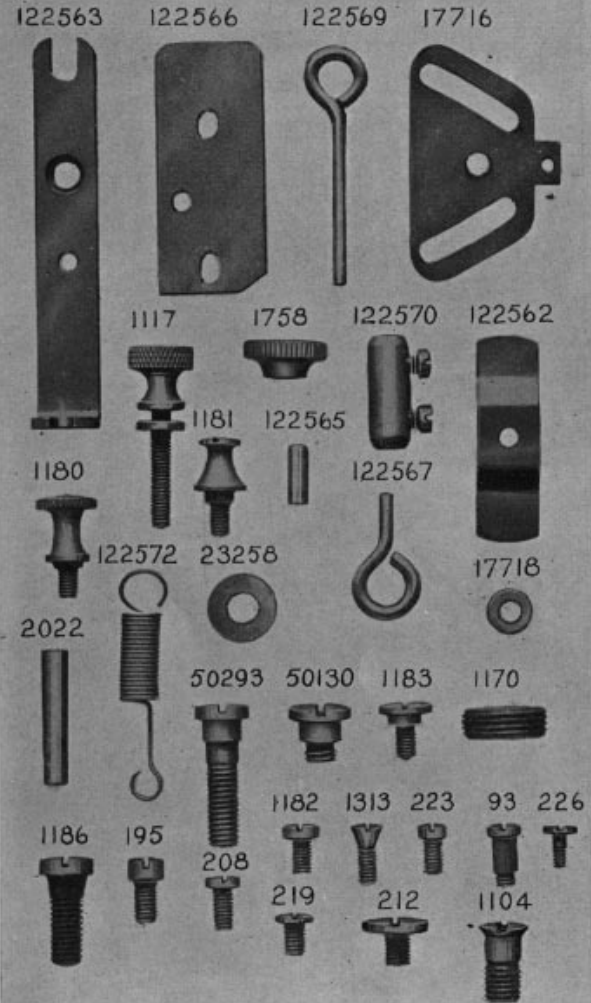


PLATE 8559—FULL SIZE

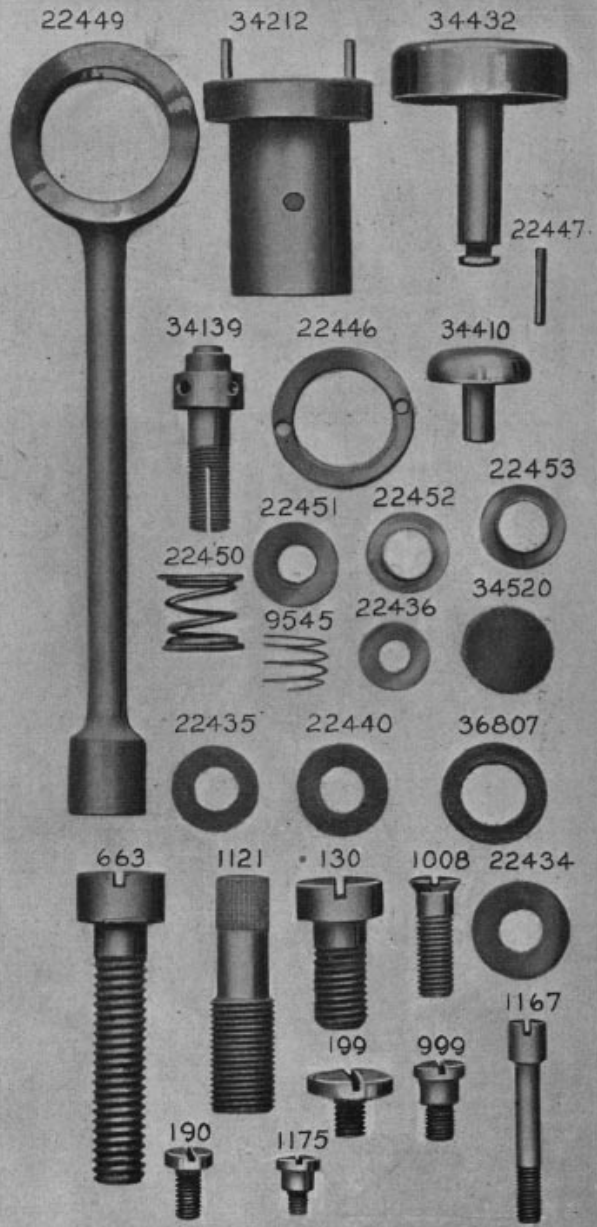


PLATE 8560—FULL SIZE

