

DEPARTMENT NO. 54  
MARCH 3, 1916

**COPY FOR M. T. D. FILE**  
**LIST OF PARTS**  
**COMPLETE**



FOR

**Machine No. 86-12**

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**THE SINGER MANUFACTURING COMPANY**

## LIST OF PARTS COMPLETE FOR MACHINE NO. 86-12

For Two-Line Stitching on Heavy Overalls, etc. Two needles, two loopers, double chain stitch, gauges  $\frac{1}{4}$ ,  $\frac{9}{32}$  and  $\frac{5}{16}$  inch, outside stitch regulating device, drop feed, foot lifter. Greatest distance between throat plate and presser foot  $\frac{1}{2}$  inch.

*54912	Arm .....
54913	“ Back Cover .....
54914	Arm Back Cover complete, Nos. 1538n, 50223b, 54913, 54915, 54916 and two 1443n .....
54915	Arm Back Cover Latch with 911b .....
50223b	“ “ “ “ Hinge Screw .....
911b	“ “ “ “ Screw Stud .....
1538n	“ “ “ “ “ “ Thumb Nut .....
54916	“ “ “ Spring .....
1443n	“ “ “ “ Screw .....
51897	“ Oil Cup .....
54917	“ “ Tube for oiling 54941 .....
54918	“ Rock Shaft .....
54919	“ “ “ Bushing (back) .....
50224c	“ “ “ “ “ Set Screw .....
54920	“ “ “ “ (front) .....
888c	“ “ “ “ “ Set Screw .....
54921	“ “ “ Collar with two 456c .....
456c	“ “ “ “ “ Set Screw .....
54603	“ “ “ Crank (back) with two 50135c .....
50135c	“ “ “ “ “ Set Screw .....
54776	“ “ “ “ (front) with two 50135c .....
50135c	“ “ “ “ “ Set Screw .....
54922	“ Side Cover .....
286b	“ “ “ Thumb Screw .....
54923	Belt Cover .....
134b	“ “ Screw .....
54885	Cloth Plate (left) with 54889 and two 4621 .....
54886	“ “ (right) .....
54887	“ “ Bracket with 345c .....
345c	“ “ “ Screw .....
50217b	“ “ Screw .....
54888	“ “ Spring .....
237b	“ “ “ Guide Screw .....

50218c	Cloth Plate Spring Lock Screw
54889	" " " Packing
4621	" " " Rivet
219d	" " " Screw
54890	Cloth Plate complete, Nos. 219b, 237b, 50218c, 54885, 54886 and 54888
54891	Cloth Plate with Bracket complete, Nos. 54887, 54890 and two 50217b
<b>54924</b>	Crank Connecting Rod complete, Nos. 1722c, 1723a, 54616, 54617, 54925 and 54926
<b>*54925</b>	Crank Connecting Rod (rod only)
50127c	" " " Ball Screw Stud
1520e	" " " " " Nut
*54612	" " " Cap (lower)
896e	" " " " " Screw
*54613	" " " " (upper)
175e	" " " " " Screw
*54614	" " " End Bearing (lower)
*54615	" " " " " (upper)
*54616	" " " Head (lower) Nos. 54612, 54614 and two 896e
*54617	Crank Connecting Rod Head (upper) Nos. 50127c, 54613, 54615 and two 175e
1722e	Crank Connecting Rod Nut (lower)
1723e	" " " " (upper)
<b>54926</b>	" " " Position Pin and Bracket (solid)
<b>*54927</b>	Cylinder with 460c, 54613, 54664, 54943, 54944 and two 391b
54620	Cylinder Dowel Pin
54859	" End Cover
55021	Cylinder End Cover complete, Nos. 54859, 55022, 55023 and two each 220e, 994c and 54628
54623	Cylinder End Cover Lock Spring
54624	" " " " " Cap
189d	" " " " " " Screw
55022	" " " Slide
55023	" " " " " Gib
994c	" " " " " Adjusting Screw
220e	" " " " " Screw
54628	" " " " " Rivet
54643	" Oil Tube
<b>54928</b>	" Rock Shaft (lower) with 54704
<b>54929</b>	" " " " " Bushing
447c	" " " " " Set Screw
<b>54930</b>	" " " " " Eccentric
<b>50225d</b>	" " " " " " Adjusting Screw

<b>54931</b>	Cylinder Rock Shaft (lower) Eccentric Connecting Rod with 54932 and two 171e
<b>*54932</b>	Cylinder Rock Shaft (lower) Eccentric Connecting Rod Cap
171e	Cylinder Rock Shaft (lower) Eccentric Connecting Rod Cap Screw
<b>54933</b>	Cylinder Rock Shaft (lower) Eccentric Connecting Rod Stud with 207e
207e	Cylinder Rock Shaft (lower) Eccentric Connecting Rod Stud Clamping Screw
103d	Cylinder Rock Shaft (lower) Eccentric Hinge Screw
54704	" " " " Key
54781	" " " (upper)
<b>54934</b>	" " " " Collar with two 465c
465c	" " " " " Set Screw
54632	" " " " Crank with two 457c
<b>54935</b>	" " " " " Connecting Link
157c	" " " " " Set Screw
<b>54936</b>	" " " " " Eccentric with 457c and 624c
<b>54937</b>	Cylinder Rock Shaft (upper) Eccentric Connecting Rod with 54939, 54940 and two each 171e and 896e
<b>54938</b>	Cylinder Rock Shaft (upper) Eccentric Connecting Rod Ball Stud
624c	Cylinder Rock Shaft (upper) Eccentric Connecting Rod Ball Stud Set Screw
<b>*54939</b>	Cylinder Rock Shaft (upper) Eccentric Connecting Rod Cap (lower)
171e	Cylinder Rock Shaft (upper) Eccentric Connecting Rod Cap (lower) Screw
<b>*54940</b>	Cylinder Rock Shaft (upper) Eccentric Connecting Rod Cap (upper)
896e	Cylinder Rock Shaft (upper) Eccentric Connecting Rod Cap (upper) Screw
<b>54941</b>	Cylinder Rock Shaft (upper) Eccentric Connecting Rod Lever with 624c
<b>54942</b>	Cylinder Rock Shaft (upper) Eccentric Connecting Rod Lever Hinge Stud
446c	Cylinder Rock Shaft (upper) Eccentric Connecting Rod Lever Hinge Stud Set Screw
54671	Cylinder Rock Shaft (upper) Eccentric Connecting Rod Position Pin and Bracket (solid)
1100d	Cylinder Rock Shaft (upper) Eccentric Connecting Rod Position Pin and Bracket Screw
624c	Cylinder Rock Shaft (upper) Eccentric Position Screw

457c	Cylinder Rock Shaft (upper) Eccentric Set Screw	.....
134d	" " Screw	.....
54662	" " Thread Cover	.....
767d	" " " " Screw	.....
<b>*54943</b>	" " Top Cover (back)	.....
54664	" " " " Hinge Pin	.....
460c	" " " " " " Set Screw	.....
<b>*54944</b>	" " " " (front) with 665d and 54666	.....
391d	" " " " " " Screw	.....
54666	" " " " " " Spring	.....
665d	" " " " " " Screw	.....
<b>54945</b>	Face Plate with two 2827	.....
46111	" " " " Pin	.....
2827	" " " " Thread Guard with 8505	.....
8505	" " " " " " Rivet	.....
286d	" " " " " " Thumb Screw	.....
<b>54946</b>	Feed Dog	.....
<b>54947</b>	" " " " Adjusting Wedge	.....
<b>54948</b>	" " " " Carrier with two 462c	.....
462c	" " " " " " Set Screw	.....
<b>54949</b>	" " " " " " Slide Block	.....
<b>50226c</b>	" " " " " " " " Screw	.....
50128c	" " " " " " " " Screw	.....
54863	" " Eccentric	.....
103d	" " " " Adjusting Screw	.....
54865	" " " " " " Friction Washer	.....
<b>54950</b>	" " " " Flange with two 440F	.....
440F	" " " " " " Adjusting Screw	.....
440F	" " " " " " Set Screw	.....
103d	" " " " " " Hinge Screw	.....
54865	" " " " " " Friction Washer	.....
<b>54951</b>	" " Lifting Eccentric with 457c and 624c	.....
624c	" " " " " " Position Screw	.....
457c	" " " " " " Set Screw	.....
<b>54952</b>	" " " " Lever	.....
<b>54953</b>	" " " " Connecting Rod with 54940 and two 896e	.....
<b>*54940</b>	Feed Lifting Lever Connecting Rod Cap	.....
896e	" " " " " " " " Screw	.....
<b>50227c</b>	" " " " " " " " Hinge Screw	.....
1620E	" " " " " " " " Nut	.....
324c	" " " " " " " " Screw Centre	.....
<b>54954</b>	" " " " " " " " Regulating Lever	.....
<b>54955</b>	" " " " " " " " Bracket	.....
127E	" " " " " " " " Screw	.....
974c	" " " " " " " " Hinge Screw	.....
<b>54956</b>	" " " " " " " " Spring	.....

2269	Feed Regulating Lever Stop Pin	.....
<b>54957</b>	" " " " Regulator	.....
<b>54958</b>	" " " " Friction Spring	.....
<b>54959</b>	Feed Rod complete, Nos. 1722E, 54948, 54960 and 54963	.....
<b>54960</b>	Feed Rod (rod only)	.....
<b>*54961</b>	" " " " Cap	.....
896E	" " " " " " Screw	.....
<b>*54962</b>	" " " " " " End Bearing	.....
<b>54963</b>	" " " " " " Head, Nos. 54961, 54962 and two 896E	.....
1722E	" " " " " " Nut	.....
<b>54964</b>	Hand Wheel and Pulley with 430c and 1299c	.....
430c	" " " " " " " " Set Screw (long)	.....
1299c	" " " " " " " " (short)	.....
<b>54965</b>	" " " " " " Shaft	.....
<b>54966</b>	" " " " " " Bushing (left)	.....
<b>54967</b>	" " " " " " " " Oil Pan (braided cotton)	.....
888c	Hand Wheel and Pulley Shaft Bushing (left) Set Screw	.....
<b>54968</b>	Hand Wheel and Pulley Shaft Bushing (right)	.....
<b>54969</b>	" " " " " " " " Oil Pan (braided cotton)	.....
895c	Hand Wheel and Pulley Shaft Bushing (right) Set Screw	.....
<b>54970</b>	Hand Wheel and Pulley Shaft Washer	.....
54785	Looper (back)	.....
465c	" " " " " " Set Screw	.....
54786	" " " " (front) with 54707	.....
<b>55005</b>	" " " " " " Needle Guard	.....
665d	" " " " " " " " Screw	.....
54707	" " " " " " " " Steady Pin	.....
465c	" " " " " " " " Set Screw	.....
54788	" " " " " " Carrier with two each 185H and 465c	.....
185H	" " " " " " " " Adjusting Screw	.....
54692	" " " " " " " " Hinge Pin	.....
620c	" " " " " " " " " " Set Screw	.....
<b>55013</b>	" " " " " " " " Holder with 211F and 620c	.....
211F	" " " " " " " " " " Clamping Screw	.....
54694	" " " " " " Slide Block (two pieces) with 54695 and two 54705	.....
<b>*54695</b>	Looper Carrier Slide Block Ball Stud	.....
208d	" " " " " " " " " " Clamping Screw	.....
<b>54973</b>	" " " " " " " " Holder with 202d and 208d	.....
202d	" " " " " " " " " " Clamping Screw	.....
54705	" " " " " " " " Pin	.....
54708	Needle Bar (hollow)	.....

54846	Needle Bar complete, Nos. 54708 and 54847	.....
54710	" " Bushing (lower)	.....
563c	" " " " Set Screw	.....
<b>54974</b>	" " " " (upper)	.....
563c	" " " " Set Screw	.....
54711	" " Connecting Link	.....
54712	" " " " Hinge Stud	.....
1520E	" " " " " " Nut	.....
54713	" " " " Stud with 207E	.....
207E	" " " " Clamping Screw	.....
54847	" Clamp with 46478 and two 1498F	.....
46478	" " Thread Guide	.....
<b>54975</b>	" Guard (back)	.....
233D	" " " Screw	.....
<b>54976</b>	" " (front)	.....
233D	" " " Screw	.....
<b>54977</b>	" " Holder	.....
185H	" " " Screw	.....
1498F	" Set Screw	.....
<b>55008</b>	Presser Bar	.....
<b>54978</b>	" " Bushing	.....
563c	" " " Set Screw	.....
54718	" " Guide Bracket with 207D	.....
207D	" " " " Clamping Screw	.....
54719	" " Lifter	.....
<b>50228c</b>	" " " Hinge Screw	.....
<b>54979</b>	" " Lifting Bracket with 1492D	.....
1492D	" " " " Clamping Screw	.....
<b>55009</b>	" " Spring (flat)	.....
54722	" " Stud	.....
26276	" Foot Hinge Pin	.....
<b>54981</b>	" " Plate	.....
<b>54982</b>	" " Shank	.....
<b>54983</b>	Presser Foot (hinged) complete, Nos. 26276, 54981 and 54982	.....
190D	Presser Foot Screw	.....
50132D	Pressure Regulating Thumb Screw	.....
1543D	" " " " Lock Nut	.....
<b>54984</b>	Slack Thread Regulator with 662D and 54986	.....
203c	" " " " Screw	.....
<b>54985</b>	" " " " Spring	.....
54732	" " " " Bracket	.....
203c	" " " " " " Screw	.....
1425D	" " " " " " Screw	.....
<b>54986</b>	" " " " " " Stop	.....
662D	" " " " " " Screw	.....
2102	Tension (under thread) Disc	.....

1560c	Tension (under thread) Regulating Thumb Nut	.....
828c	" " " " Screw Stud (lower)	.....
916c	" " " " " " (upper)	.....
1547D	" " " " " " Nut	.....
10148	" " " " Spring	.....
38145	" " " " Thread Guide	.....
<b>54987</b>	" (upper thread) Bracket	.....
376D	" " " " " " Screw	.....
2102	" " " " Disc	.....
1560c	" " " " Regulating Thumb Nut	.....
32572	" " " " Releasing Disc	.....
<b>54988</b>	" " " " " " Pin	.....
<b>54989</b>	" " " " " " Shaft	.....
54872	" " " " " " Crank with 624c	.....
54873	" " " " " " Link	.....
110D	" " " " " " " " Hinge Screw	.....
624c	Tension (upper thread) Releasing Shaft Crank Set Screw	.....
<b>54990</b>	Tension (upper thread) Releasing Shaft Spring	.....
316F	" " " " " " Stop Screw	.....
1547D	" " " " " " " " Nut	.....
50133c	Tension (upper thread) Screw Stud	.....
54738	" " " " Spring	.....
17547	" " " " Thread Guide	.....
<b>54991</b>	Thread (under) Nipper Bracket	.....
190D	" " " " " " Screw	.....
<b>54992</b>	" " " " " " Connecting Rod with 54993 and two 171E	.....
<b>*54993</b>	Thread (under) Nipper Connecting Rod Cap	.....
171E	" " " " " " " " Screw	.....
999D	" " " " " " " " Hinge Screw	.....
54874	" " " " Eccentric with 465c	.....
465c	" " " " " " Set Screw	.....
54740	" " " " Spring	.....
233D	" " " " " " Screw	.....
54875	" " " " Pull-off with 465c	.....
465c	" " " " " " Set Screw	.....
54898	" " " " Thread Guard with 459F	.....
1145D	" " " " " " Hinge Screw	.....
459F	" " " " " " Stop Screw	.....
54827	" " " " " " " " and Thread (under) Take-up Thread Guard Spring	.....
54828	Thread (under) Pull-off Thread Guard and Thread (under) Take-up Thread Guard Spring Stop Pin	.....

54801	Thread (under) Separator Pin for 54807	.....
<b>54994</b>	“ “ Separator	.....
337D	“ “ “ Screw	.....
54876	“ “ Take-up with 465c	.....
<b>54995</b>	“ “ “ Eccentric with 447c	.....
447c	“ “ “ “ Set Screw	.....
465c	“ “ “ “ Set Screw	.....
<b>54996</b>	“ “ “ “ Shaft	.....
<b>50229c</b>	“ “ “ “ “ “ Set Screw	.....
462c	“ “ “ “ “ “ Set Screw	.....
54899	“ “ “ “ “ “ Thread Guard with 459F	.....
1145D	“ “ “ “ “ “ Hinge Screw	.....
459F	“ “ “ “ “ “ Stop Screw	.....
<b>54997</b>	“ (upper) Controller	.....
54806	“ “ “ “ Lever	.....
54879	“ “ “ “ “ “ Connection	.....
999F	“ “ “ “ “ “ Hinge Screw	.....
974D	Thread (upper) Controller Lever Hinge Screw	.....
54758	“ “ “ “ Post	.....
743c	“ “ “ “ “ Set Screw	.....
219F	“ “ “ “ “ Screw	.....
<b>55016</b>	“ “ Take-up	.....
217F	“ “ “ “ “ Screw	.....
54807	“ Tube with 54801	.....
54808	“ “ “ 54807 with 54772	.....
54772	“ “ “ “ Bracket	.....
54761	“ “ “ “ for 54927	.....
1484F	“ “ “ “ “ Screw	.....
54834	Throat Plate for 54946	.....
1319F	“ “ “ “ “ Screw	.....

### IRON BASE

<b>54998</b>	Machine Base with three wood screws 1½ in. No. 12 and four each 935D and 42088	.....
42088	Machine Cushion (felt)	.....
935D	“ “ “ “ Screw	.....

### ACCESSORIES

1407E	Machine Thumb Screw for 3 in. table	.....
1408E	“ “ “ “ “ 2 in. table	.....
14063	“ “ “ “ “ Spring	.....
9842	“ “ “ “ “ Washer	.....
36563	Oiler (copper plated) with 36564	.....
36564	“ Spout, 5 in. long	.....

26026	Screw Driver (large)	.....
26485	“ “ (small)	.....
35095	Tweezers, 6 in.	.....
4822	Wrench for 1517	.....
8908	“ “ 1520, 1620, 1722 and 1723	.....
37051	“ “ 50127	.....

### FOOT LIFTER PARTS

6439	Chain, 36 in. to 45 in.	.....
NOTE: When ordering No. 6439 give length required.		
4879	Chain Connecting Link	.....
<b>54999</b>	Lifting Lever	.....
54767	“ “ “ Extension	.....
161D	“ “ “ “ Screw	.....
54768	“ “ “ “ Spring	.....
866D	“ “ “ “ Hinge Screw	.....
4881	Treadle	.....
4882	“ “ Shaft	.....
4883	“ “ Spring	.....
4884	“ “ Stand	.....
4885	Treadle complete, Nos. 4879, 4881 to 4884 and two wood screws 1 in. No. 16	.....
<b>55000</b>	Foot Lifter complete, Nos. 866D, 4885, 6439, 54767, 54768, 54999 and two 161D	.....

### LAP SEAM FELLER

36610	Lap Seam Feller on Slide	.....
26277	Holder	.....
36586	“ “ Plate	.....
624c	“ “ “ “ Adjusting Screw	.....
36598	“ “ “ “ Bracket with 624c	.....
1174D	“ “ “ “ “ Screw	.....
202D	“ “ “ “ “ Screw	.....
922D	“ “ “ “ “ Thumb Screw	.....
19294	Spring	.....
405D	“ “ “ “ “ Screw	.....

### THREAD UNWINDER

#### FOR FOUR LARGE SPOOLS OR FOUR LARGE CONES OF THREAD

27623	Spool Pin	.....
155c	“ “ “ “ Set Screw	.....
41534	“ “ “ “ Rest	.....

41535	Spool Rest 41534 with 1149c and four each 455c and 27623.....
1149c	Spool Rest Set Screw.....
27940	" Stand with 453c.....
41514	" Weight, 4 in. diam., with 41515.....
41515	" " Centre Pin.....
27739	Thread Cone (wood).....
41633	" Guard with 208E and four 41569.....
41569	" " Eyelet.....
41637	" " Rod (lower).....
41638	" " " (upper).....
41639	" " " Coupling with two 456c.....
456c	" " " " Set Screw.....
41640	Thread Guard Rod complete, 30 in. long, Nos. 41637 to 41639.....
453c	Thread Guard Rod Set Screw.....
208E	" " Rod Screw.....
41537	Thread Unwinder complete, Nos. 27940, 41535, 41633, 41640, three wood screws 1 in. No. 12 and four each 27739 and 41514.....