Singer 52-56 Singer 52-76 Form 8485—Revised November, 1930 PRINTED IN U. S. A.

LIST or PARTS



MACHINES Nos. 52-56 and 52-76

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, Nickel Plated and Buffed B—Polished, Nickel Plated and Buffed C—Hardened Only D—Polished Only E—Soft, Not Polished F—Hardened and Polished

H—Blued

J-Nickel Plated Only

K-Hardened and Nickel Plated

L-Brass Plated

M-Oxidized

N-Japanned, Dull

P-Japanned, Bright

R-Merlized

T-Copper Plated

T. A.—Hardened, Polished, Copper and Nickel Plated and Buffed

T. B.—Copper and Nickel Plated and Polished
T. J.—Copper and Nickel Plated Only
T. K.—Hardened, Copper and Nickel Plated
T. M.—Copper Plated and Oxidized

T. L.—Copper and Brass Plated U—Zinc Plated

V—Silver Plated W—Polished and Nickel Plated

Z—Chromium Plated
Z. B.—Polished, Nickel Plated, Buffed and Chromium Plated

Z. J.—Nickel and Chromium Plated

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 and 51501 to 51800 are Nut Numbers

1801 to 2000 and 51801 to 52000 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.

When ordering parts which differ as to Gauge (the distance between seams) the Gauge, as well as the Number must be given on order.

LIST OF PARTS COMPLETE

FOR

MACHINE No. 52-56

SIX NEEDLES, SIX HOOKS

NO.	PLATE	NAME
*13945		Arm
*13946		" 13945 with 453c and 15486
4389	7445	" Dowel Pin
54897	7442	" Oil Cup
13862	7442	" Tube with 29599, for oiling 13799
		and 13804
13831	7442	Arm Oil Tube (left) with 49092, for oiling
		13811
13832	7442	Arm Oil Tube (right) with 49092, for oiling
		13813
13833		Arm Oil Tube Bracket
13834	7442	" " " 13833 with 13831
		and 13832
898	р 7450	Arm Oil Tube Bracket Screw
29599	7442	" " Packing (felt) for 13862,
		per 100
49092	7442	Arm Oil Tube Packing (felt) for 13831
		and 13832
880	E 7450	Arm Screw (left)
138	SE 7450	" " (right)
13928	7458	" Shaft
13794	7440	" "Flanged Bushing (back)
5600€	3 7442	" " " " Oil Pad
		(braided cotton)
446	3c 2831	Arm Shaft Flanged Bushing (back) Set
		Screw
1379	5 7440	Arm Shaft Flanged Bushing (front)
56000	6 7442	
		(braided cotton)
44	3c 745 0	
		Screw
	4D 7450	
1519		
	6р 7450	" " Thumb Screw
1379	6 7441	
		448c
1379		
	OD 7450) DOLON
44	8c 7450	" Set Screw

No.	PLATE	n.		NAME		
*13798		Bed		· · · · <u>·</u> · ·		
13799	7441	Crank C	Connec 45e	ting Ro	d with	13800 and
*13800						
145	7450	"	"	"	" c	Screw
_	7450	"	46	"		Screw
	7450	"	"	"	"	" Nut
13849	7441	Face Pla	ate			
1900	7442	"	Sere	w		
13802	7443	Feed Ba				
3150	2642	46 66	Screy	Centre		
1519E	7450	" "	**	"	Nut.	· · · · · · · · · · · · · · ·
2039	7444	" Co	nnectir	g Link.		
3780	7444	44	44			Screw (long)
380c	7444	"	"	· ·	"	" (short)
1520E	7444	"	46	"	44	" Nut
48123	5411	" Do)g			• • • • • • • • • •
48124	5412	" "				
48125	5413	"				
48126	5414	"				
48127	5415	" "				
48128	5416	" "				
48122	5410	" "				
48129	7502	Feed Do				cond needle
						nd the first
		and th	ird nee	dles fron	n the le	eft hand side
48130	7503	Feed Do	g			
48131	7504	" "				
48132	7610	" "	for g	athering	and b	raiding
48133	7612	"				
48134	8700	" "				
48135	8701	" . "				
48136	8722	"				.
48137	8723	" "				
48138	5413	"				
48139	8738	"				
48140	8739	" "				
191c	7450	" "	Screv	v		
13803	7444	" and				ric with 448c
448c	7450	" "	"	"	46	Set Screw
13804	7444	" "	"	"	"	Sleeve
13805	7440	" Fo	rked Co	onnectio	n	
378c	7444	"	"	"		ge Screw
1520e	7444	+6	"	"	u`	" Nut
13806	7440					
13807						nplete, Nos.

NO. PLATE	NAME
13808 7440	Feed Lifting Rock Shaft Connecting Rod
10000 1110	with 43977 and two 145E
*43977	Feed Lifting Rock Shaft Connecting Rod
20011	Cap
145E 7450	Feed Lifting Rock Shaft Connecting Rod
1102 . 100	Cap Screw
375c 7450	Feed Lifting Rock Shaft Connecting Rod
0.00 .100	Hinge Screw
1518E 7450	Feed Lifting Rock Shaft Connecting Rod
10101 1100	Hinge Screw Nut
2509 7444	Feed Lifting Rock Shaft Crank with 157J
2000 1111	and 1813
157 _J 7444	Feed Lifting Rock Shaft Crank Clamping
1011 1111	Screw
1813 7444	Feed Lifting Rock Shaft Crank Roller
-0-5 1111	and Stud
307c 7450	Feed Lifting Rock Shaft Screw Centre
1513л 2642	" " " " " Nut
2164 7444	" Regulator
74E 7444	" " Hinge Screw
747p 7444	" "Thumb Screw
21350 7444	" " " Stop
2047 7440	" Rock Shaft
2046 ——	Leed Rock Shaft complete Nos 2047
2046 ——	Feed Rock Shaft complete, Nos. 2047 and 2048
	and 2048
2048 7444	and 2048Feed Rock Shaft Crank with 465c
2048 7444 2049 7444	and 2048 Feed Rock Shaft Crank with 465c " " Pin
2048 7444	and 2048 Feed Rock Shaft Crank with 465c " " " Pin " " Set Screw
2048 7444 2049 7444 465c 7444	and 2048 Feed Rock Shaft Crank with 465c " " " Pin " " Set Screw " " Screw Centre
2048 7444 2049 7444 465c 7444 307c 7450 1513J 2642	and 2048. Feed Rock Shaft Crank with 465c. " " " Pin " " Set Screw " " Screw Centre " " " Nut
2048 7444 2049 7444 465c 7444 307c 7450 1513J 2642 13647 7463	and 2048. Feed Rock Shaft Crank with 465c. " " " Pin " " Set Screw. " " Screw Centre " " " Nut Looper.
2048 7444 2049 7444 465c 7444 307c 7450 1513J 2642 13647 7463	and 2048. Feed Rock Shaft Crank with 465c " " " Pin " " Set Screw " " Screw Centre " " " " Nut Looper " Carrier with two 211c and six 853c
2048 7444 2049 7444 465c 7444 307c 7450 1513J 2642 13617 7463 13628 7463	and 2048. Feed Rock Shaft Crank with 465c " " " Pin " " Set Screw " " Screw Centre " " " " Nut Looper " Carrier with two 211c and six 853c " Set Screw
2048 7444 2049 7444 465c 7444 307c 7450 1513J 2642 13647 7463 13628 7463 211c 7463	and 2048. Feed Rock Shaft Crank with 465c " " " Pin " " Set Screw " " Screw Centre " " " Nut Looper " Carrier with two 211c and six 853c " " Set Screw " " Shaft
2048 7444 2049 7444 465c 7444 307c 7450 1513J 2642 13647 7463 13628 7463 211c 7463 13516 7445	and 2048. Feed Rock Shaft Crank with 465c " " " " Pin " " Set Screw " " Screw Centre " " " Nut Looper " Carrier with two 211c and six 853c " " Set Screw " " Shaft " " Bushing
2048 7444 2049 7444 465c 7444 307c 7450 1513J 2642 13617 7463 13628 7463 211c 7463 13516 7445 13836 7445	and 2048. Feed Rock Shaft Crank with 465c " " " " Pin " " Set Screw " " Screw Centre " " " Nut Looper " Carrier with two 211c and six 853c " " Set Screw " " Shaft " " Bushing " " Set Screw
2048 7444 2049 7444 465c 7444 307c 7450 1513J 2642 13617 7463 13628 7463 211c 7463 13516 7445 13836 7445 ^448c 7450	and 2048. Feed Rock Shaft Crank with 465c " " " " Pin " " Set Screw " " Screw Centre " " " " Nut Looper " Carrier with two 211c and six 853c " Set Screw " " Shaft " " Bushing " " Set Screw
2048 7444 2049 7444 465c 7444 307c 7450 1513J 2642 13617 7463 13628 7463 211c 7463 13516 7445 13836 7445 448c 7450 217F 7450	and 2048. Feed Rock Shaft Crank with 465c " " " Pin " " Set Screw " " Screw Centre " " " Nut Looper " Carrier with two 211c and six 853c " Set Screw " " Shaft " " Bushing " " Set Screw " " " Set Screw " " " Set Screw " " " Set Screw
2048 7444 2049 7444 465c 7444 307c 7450 1513J 2642 13647 7463 13628 7463 211c 7463 13516 7445 13836 7445 448c 7450 217 _F 7450 13811 7441	and 2048. Feed Rock Shaft Crank with 465c " " " " Pin " " Set Screw " " " Screw Centre " " " " Nut Looper " Carrier with two 211c and six 853c " Set Screw " " Shaft " " Bushing " " Set Screw " " " Crank with two
2048 7444 2049 7444 465c 7444 307c 7450 1513J 2642 13647 7463 13628 7463 211c 7463 13516 7445 13836 7445 448c 7450 217F 7450 13811 7441 13812 7445	and 2048. Feed Rock Shaft Crank with 465c " " " " Pin " " Set Screw " " Screw Centre " " " " Nut Looper " Carrier with two 211c and six 853c " Set Screw " Shaft " " Bushing " " Set Screw " " Set Screw " " Set Screw " " " Crank with two 1253c " " " Crank with two 1253c
2048 7444 2049 7444 465c 7444 307c 7450 1513J 2642 13647 7463 13628 7463 211c 7463 13516 7445 13836 7445 448c 7450 217F 7450 13811 7441 13812 7445	and 2048. Feed Rock Shaft Crank with 465c " " " " Pin " " Set Screw " " " Screw Centre " " " " Nut Looper " " Set Screw " " Set Screw " " Shaft " " " Bushing " " " Set Screw " " Set Screw " " Set Screw " " " Crank with two 1253c Looper Driving Shaft Crank Set Screw
2048 7444 2049 7444 465c 7444 307c 7450 1513J 2642 13647 7463 13628 7463 211c 7463 13516 7445 13836 7445 448c 7450 217F 7450 13811 7441 13812 7445 1253c 7445 13813 7445	and 2048. Feed Rock Shaft Crank with 465c " " " " Pin " " Set Screw " " Serew Centre " " Nut Looper " Carrier with two 211c and six 853c " Set Screw " Shaft " " Bushing " " Set Screw " " Set Screw " " Set Screw " " Crank with two 1253c Looper Driving Shaft Crank Set Screw " " Link
2048 7444 2049 7444 465c 7444 307c 7450 1513J 2642 13617 7463 13628 7463 211c 7463 13516 7445 13836 7445 448c 7450 217F 7450 13811 7441 13812 7445 1253c 7445 13813 7445 13813 7445	and 2048. Feed Rock Shaft Crank with 465c " " " " Set Screw " " " Serew Centre " " " " Nut Looper " Carrier with two 211c and six 853c " " Set Screw " " Shaft " " " Bushing " " Set Screw " " Set Screw " " Set Screw " " Crank with two 1253c Looper Driving Shaft Crank Set Screw " " Link " " Link " " " Hinge Pin
2048 7444 2049 7444 465c 7444 307c 7450 1513J 2642 13647 7463 13628 7463 211c 7463 13516 7445 13836 7445 448c 7450 217F 7450 13811 7441 13812 7445 1253c 7445 13813 7445	and 2048. Feed Rock Shaft Crank with 465c " " " " Set Screw " " " Set Screw " " " " Nut Looper " Carrier with two 211c and six 853c " " Set Screw " " Shaft " " " Bushing " " Set Screw " " Set Screw " " Set Screw " " Crank with two 1253c Looper Driving Shaft Crank Set Screw " " " Link " " " " Hinge Pin " " " " " Set Screw " " " " " " Set Screw " " " " " " " Set Screw " " " " " " " " " Set
2048 7444 2049 7444 465c 7444 307c 7450 1513J 2642 13617 7463 13628 7463 211c 7463 13516 7445 13836 7445 448c 7450 217F 7450 13811 7441 13812 7445 13813 7445 13814 7445 1454c 7463	and 2048. Feed Rock Shaft Crank with 465c " " " " Set Screw " " " Set Screw " " " " Nut Looper " Carrier with two 211c and six 853c " " Set Screw " " Shaft " " Bushing " " Set Screw " " Set Screw " " Crank with two 1253c Looper Driving Shaft Crank Set Screw " " " Link " " " Hinge Pin " " " Set Screw " " Set Screw " " " Set Screw " " " Hinge Pin " " " Set Screw " " " Set Screw " " " Set Screw " " " " Set Screw " " " Link " " " " Set Screw " " " " Set Screw " " " " Set Screw " " " " " Set Screw " " " " " Set Screw " " " " " " Set Screw " " " " " " " Set Screw " " " " " " " " Set Screw " " " " " " " " " Set Screw " " " " " " " " " Set Screw " " " " " " " " " " " Set Screw " " " " " " " " " " " " " Set Screw " " " " " " " " " " " " " Set Screw
2048 7444 2049 7444 465c 7444 307c 7450 1513J 2642 13617 7463 13628 7463 211c 7463 13516 7445 13836 7445 448c 7450 217F 7450 13811 7441 13812 7445 1253c 7445 13813 7445 13813 7445	and 2048. Feed Rock Shaft Crank with 465c " " " " Set Screw " " " Set Screw " " " " Nut Looper " Carrier with two 211c and six 853c " " Set Screw " " Shaft " " " Bushing " " Set Screw " " Set Screw " " Set Screw " " Crank with two 1253c Looper Driving Shaft Crank Set Screw " " " Link " " " " Hinge Pin " " " " " Set Screw " " " " " " Set Screw " " " " " " " Set Screw " " " " " " " " " Set

NO.	PLATE	NAME
*13582	7444	Needle Bar Connecting Link with 794E.
13933	1222	
19999		" " " 13582 with
704		13890
794E	7444	Needle Bar Connecting Link Adjusting Screw
901.0	7444	Needle Bar Connecting Link Hinge Screw
13896	7444	
19990	7444	Bidd with 1904
175E	7444	and two 175E
110E	1444	Needle Bar Connecting Stud Clamping Screw
1904	7444	Needle Bar Connecting Stud Roller (roller
1001	1 111	only)
13816	7440	Needle Bar Crank with 435c and 1293c.
1293c		" " Position Screw
	2831	1 OSITIOH OCIEW
		Set Screw
13596	7465	Clamp with six 020r of 50014r, for
10000		1/8 in. to 11/4 in. gauge
13892	7465	Needle Clamp with six 50014r, for $\frac{3}{16}$ in.
0040		gauge and above
2273	7445	Needle Clamp Pin
	7445	" Set Screw for 13596
50014 _F	7445	for 64 in. gauge and
		above
13818	744 5	Oscillating Rock Shaft with 1454c
13819	7445	" " Hinge Pin
13820	7445	" " " " Bushing
	7450	" " " SetScrew
2058	7441	Presser Bar
52016	7445	" " Lifter
15486	7463	" " " Hinge Stud
453c	2831	" " " Set Screw
2953	7445	" Lifting Bracket with 453c
453c	2831	" " Set Screw
32675	7463	" " Spring
2070	7445	" " Washer
30359	7546	" Foot for braiding
31185	7546	Presser Foot for braiding leaving out the
		first and third needles from the right
		hand side and the second needle from
		the left hand side
31191	7547	Presser Foot for braiding, with four narrow
		slots for braid, using the first and second
		needles from the right hand side and the
		first and second needles from the left
		hand side, and with a wide slot for
		braid, using the third needle from the
		right hand side and the third needle
		from the left hand side
		nom one left hand side

NO.	PLATE	NAME
31192	4666	Presser Foot for braiding, with five narrow
		slots for braid and with tube for braid for the first needle from the right hand
•		side
30365	3040	Presser Foot for cording, for covering three cords with three strips
31196	7549	Presser Foot for cording, with three cord
01100	.010	tubes and guide for upper strip, leaving
		out the first and second needles from the right hand side
31195	4678	Presser Foot for cording, with four cord
01130	1010	tubes and guide for upper strip, leaving
		out the first needle from the right hand side
31177	3045	Presser Foot for cording, with five cord.
011	3020	tubes and guides for upper strip
31175	3043	Presser Foot for gathering
30358	7543	" " general work
47288	7543 5455	" " rims of soft hats Presser Foot for strip cording, with guides
47290	9499	for upper and under strips and four cord
		tubes, leaving out the first needle from
		the left hand side
31180	7549	Presser Foot for strip cording, with guides
		for upper and under strips and four cord
		tubes, leaving out the first needle from the right hand side
30357	4656	Presser Foot for strip cording, with guides
20001	4000	for upper and under strips and five cord
		tubes
47293	7551	Presser Foot (double hinged) for general
		work
31199	5432	Presser Foot (double hinged, strip folding) for folding three strips
31174	3042	Presser Foot (front hinged) for general
		work
47294		Presser Foot (hinged) with keel
31193	4667	" (hinged, adjustable) for gathering, for 48122
47291	5456	Presser Foot (hinged, adjustable) for gath-
1120	0100	ering, leaving out the first needle from
		the left hand side
31190		Presser Foot (side hinged) for general work
31 183	3099	" (double strip folding) leaving
		out the third needle from the right hand side
		side

NO.	PLATE	NAME
30364	3039	Presser Foot (strip folding)
31200	5448	Presser Foot (strip folding) for cloth work, leaving out the first needle from the right hand side
31176	3044	Presser Foot (strip folding) for three strips
47292	5463	Presser Foot (strip folding) leaving out the first needle from the left hand side
31186	3126	Presser Foot (strip folding) leaving out the first needle from the right hand side
30361	4678	Presser Foot (strip folding) leaving out the first and second needles from the right hand side and the second and third needles from the left hand side
31184	7548	Presser Foot (strip folding) strip to be stitched by the second and third needles from the right hand side and the first, second and third needles from the left hand side, the first needle from the right hand side for plain stitching
31189	4645	Presser Foot (strip folding) with three cord tubes, for cording between the second and third needles from the right hand side, the second and third needles from the left hand side, the third needle from the right hand side and the third needle from the left hand side
31179	7545	Presser Foot (strip folding) with four cord tubes, for inserting four cords in folded strip, leaving a space on both edges of strip between the edge of strip and the first cord from each side of strip, leaving out the first needle from the right hand side
47289	5454	Presser Foot (strip folding) with four cord tubes, leaving out the first needle from the left hand side
31194	7552	Presser Foot (strip folding) with four cord tubes, leaving out the first needle from the right hand side
31171	3041	Presser Foot (strip folding) with five cord tubes
31178	3045	Presser Foot (strip folding) with seven cord tubes

NO.	PLATE	NAME
31172	3041	Presser Foot (strip folding) with three cord
		tubes, for cording between the first and
		second needles from the right hand side,
		the first and second needles from the
		left hand side, the third needle from the
		right hand side and the third needle
		from the left hand side
30356	7552	Presser Foot (strip folding and cording)
90990	1002	for covering three cords with three
		folded strips
30360	7550	Presser Foot (tube)
31182	3099	" " for two strips
31198	5420	" " " " leaving
		out the second and third needles from
		the right hand side
30362	3043	Presser Foot (tube) for three strips
30363	4689	" " " " and
		under strips
31197	4668	Presser Foot (tube) for three strips of tape,
		for stitching tape on left hand edge,
		leaving out the first and third needles
		from the right hand side and the second
		needle from the left hand side
31173	3042	Presser Foot (tube) with four cord tubes,
		for cording between the first, second and
		third needles from the right hand side
		and the first, second and third needles
		from the left hand side
47295	7554	Presser Foot with three narrow slots, for
		braiding, leaving out the second needle
		from the right hand side and the first
		and third needles from the left hand side
47296	7554	Presser Foot with three slots for tape
47297	7572	Presser Foot for stitching two braids on
		outside needles (outside needles equi-
		distant from centre of needle bar)
47298	7577	Presser Foot with upper and lower strip
		folder and three cord tubes, for inserting
		cord between four centre needles
47299	7546	Presser Foot for braiding, leaving out the
		first needle from the right hand side and
		the first and second needles from the
		left hand side
47300	7551	Presser Foot (side hinged) with three slots
*1000	1001	for braiding
47301	7553	Presser Foot (hinged) with three slots for
41001	1000	tape
		with the second

		•
NO.	PLATE	NAME
47302	7543	Presser Foot with two slots for braid and
		two slots for tape, leaving out the two
		centre needles
47303	7544	Presser Foot with two slots for tape, leav-
		ing out the third needle from the left
		hand side and the second needle from
		the right hand side
47304	7544	Presser Foot with two slots for tape and
		three slots for braid
47305	7546	Presser Foot (tube) for three upper and
		three lower strips
47306	7547	Presser Foot with four slots for braid,
		leaving out the first needle from the
		right hand side
47307	7547	Presser Foot with one slot for braid and
		one slot for tape, leaving out the first
		and third needles from the right hand
		side
47308	7584	Presser Foot with two slots for braid and
		two slots for tape
47309	7584	Presser Foot (side hinged) with six slots
		for tape
47310	7552	Presser Foot (tube) for three strips of tape
47311	7550	" for braiding, leaving out the
		first, third and fifth needles
47312	7572	Presser Foot with three slots for narrow
		tape and three slots for wide tape
190:	D 7442	Presser Foot Screw
	Е 7450	Pressure Regulating Thumb Screw
13893	7466	Tension Bracket with twelve 13589
13894		Tension Bracket complete, Nos. 13893,
		six each 637r, 1547p, 1560c, 13710 and
		twelve 2921
898		Tension Bracket Screw
2269	7463	Steady III
2921	7442	Disc
13589	7442	Steady Fill
1560		regulating ritums Nuc
637		Screw Stud
1547		" Nut
13710	7442	" Spring Thread Guide Pin
13589		
13839 13840		Thread Guide (back of arm) six holes " " " 13839 with
13940	7402	13862
13895	7465	Tension Guide (side of arm) six holes
	7400 D 7450	" " " " Screw
219	D 1490	berew

NO. PLATE	NAME
13842	Tension Guide (top of arm) six holes
13843 7463	" " " " 13842 with
	13862
50062ı 7450	Thread Guide (top of arm) Screw
13929 7463	" Controller Post
190 _D 7442	" " Screw
13845 7442	" " Spring
233р 7442	" " Screw
13930 7463	" "Thread Guide
13931	Thread Controller complete, Nos. 233D,
	13845 and 13929
13940 7463	Thread Take-up Plate
883в 7445	" " Screw
48142 5410	Throat Plate for 48122
48143 5411	" " 48123
48144 5412	" " 48124
48145 5413	" " 48125 and 48138
48146 5414	" " 48126
48147 5415	" " 48127
48148 5416	" " 48128, for under strip
48149 7502	" " 48129
48150 7503	" " 48130
48151 7504	
48152 7610	" " 48132, for gathering and
	under braiding
48153 7609	Throat Plate for 48122, leaving out the
	third needle from the right hand side
	and the third needle from the left hand
	side
48154 7612	2 Throat Plate for 48133
48155 8700	
48156 8701	
48157 8722	
48158 8723	
48159 8738	
	for 48139
48160 8739	Throat Plate for 48140
691r 7450	
13635 151	
20000 102	- · · · * · · · · · · · · · · · · · · · · · · ·

MACHINE No. 52-76

SIX NEEDLES, SIX HOOKS. MAKES SIX TUCKS

This Machine is the same as 52-56 with Tuck Folding
Attachment and the following exceptions:

NO.	PLATE			N	AME					
13835	7458	Face	Plate (le	ower).						
13801	7458	46								
1901	7442	44	"	"		w				
48512	5417	Feed	Dog							
48513	5418	44								
48514	5419	44								•
48515	7480	44								
4 8516	7481	"	,,							
48517	7613	"	"		. 					
48518	8744	"	" (16	teeth	to t	he inc	ch)			
48519	8745	66				teeth				
48520	8746	44		teeth	•					•
48527	7553	Press	er Foot		ed)					
48527 48547	7553 5417		er Foot at Plate	(hinge		, .				
			er Foot at Plate "	(hinge		, .	48	 512		•
48547	5417	Thro:	at Plate	(hinge (thin	stocl	k) for	483 483	 512 513	· · · · · ·	
48547 48548	5417 5418	Thro:	at Plate	(hinge (thin "	stoe!	k) for	483 483 483	 512 513 514	· · · · · · · · · · · · · · · · · · ·	
48547 48548 48549	5417 5418 5419	Thro:	at Plate "	(hinge (thin "	stoc! "	k) for "	483 483 483 483	512 513 514 515		
48547 48548 48549 48550	5417 5418 5419 7480	Thro:	at Plate " "	(hinge (thin " "	stoel " "	k) for " " "	488 488 488 488 488	512 513 514 515 516		
48547 48548 48549 48550 48551	5417 5418 5419 7480 7481	Thro:	at Plate " " " "	(hinge (thin " " "	stoel " " "	k) for " " " " "	488 488 488 488 488 488	512 513 514 515 516 517		
48547 48548 48549 48550 48551 48552	5417 5418 5419 7480 7481 7613	Thro:	at Plate " " " " " "	(hinge (thin " " " "	stoc! 	k) for " " " " " "	483 483 483 483 483 483 483	512 513 514 515 516 517		
48547 48548 48549 48550 48551 48552 48553	5417 5418 5419 7480 7481 7613 8744	Thro:	at Plate " " " " " "	(hinge (thin " " " "	stoel	k) for " " " " " " " " "	488 488 488 488 488 488 488	512 513 514 515 516 517 518		

Note: Tuck Folding Attachments can be furnished for machines in use, but machines must be returned to the factory to be fitted. When parts are required for repairs the sample must accompany the order.

IRON BASE

NO.	PLATE			1	NAME	
11118	7446	Bed	Frame	Cushio	on (leathe	er)
7263	7446	66	"			ion (long)
14098	7446	"	44	46	. "	(short)
14008	7446	"	44	44	46	Pin
970p	7446	44	"	Thum	b Screw.	
13697	1511	"	"	with 9	70 <mark>b, 297</mark> 8	8, 7263, 14098,
		tv	o 1400	08 and	four eas	ch 11118 and
		w	ood scr	ews 1½	í in. No.	12
2978	1514					

ACCESSORIES

NO.	PLATE	NAME
12361	7446	Machine Hinge Connection
44139	7446	" Plate
44140		Machine Hinge complete, Nos. 12361,
		44139 and merlized wood screw 11/4 in.
		No. 14
12405	7446	Machine Rest (felt)
41400	7447	" " Pin (wood) 3½ in. long
36569	7447	Oiler with 36571
36570		" 36569, filled with oil
36571	7447	" Spout, 134 in. long, with 36807
36807	7446	" Washer (leather)
26026	7447	Screw Driver (large)
26485	7447	" " (small)
120341	7458	Tweezers (curved)
8909	7447	Wrench for 1513 and 1518
8908	7447	" " 1519 and 1520
4822	7447	" " 1521 and 1547

CORDER

FOR MACHINE No. 52-56

NO.	PLATE	NAME
28551	7464	Arm with Tip and Cord Guides
175p	7444	" Adjusting Screw
28554	7464	" Bracket
25790	7449	" Hinge Pin
28556	7464	Arm and Bracket complete, Nos. 1750,
		25790, 28551 and 28554
26212	7543	Presser Foot
28563	•	Corder complete, Nos. 1355, 26212 and
		28556
135 c	7450	Corder Screw
26354	1512	Cord Guide Eyelet
26355	1512	" " Plate
26356	1512	Cord Guide (table) complete, Nos. 26355
		and seven 26354
26358	1512	Cord Tension Pin
26357	1512	" " Plate
26359	1512	Cord Tension (bed) complete, Nos. 26357
		and ten 26358

FOR MACHINE No. 52-56

NO.	PLATE				NAME
28573	7544	Presser	Foot,	for	group cording
28574					space cording

TAPE HOLDERS

TAPE HOLDER (5 inch Diam.)

FOR UNDER THE BENCH

NO.	PLATE	NAME
36795		Body
		Cover
55D	7449	" Hinge Screw
28994	2116	Tape Holder complete, Nos. 55p, 36795,
		36796 and two wood screws 11/4 in.
		No. 10

TAPE HOLDER (Straight) 8 in. Disc.

NO.	PLATE	NAME
26061	989	Bracket Wire with Disc
26062	989	Disc (adjustable) with 286p and 35925
35925	7449	" Hub
286 p	7450	" " Thumb Screw
26325	7448	Foot with 736p and three wood screws 1
		in. No. 12
736n	7449	Foot Thumb Screw
26063	989	Tape Holder complete, Nos. 26061 and
		26062
26065		Tape Holder with Foot complete, Nos.
		26063 and 26325
284n	7449	Tape Holder Thumb Screw

TAPE HOLDER (Offset) 10 in. Disc.

NO.	PLATE	NAME
NO.	PLATE	NAME
26066	989	Bracket Wire
26067		Bracket Wire complete, Nos. 26066, 26068
		and 26072
26068	989	Disc
26069	989	" Hub
26070	7446	" " Rivet
26071		Disc complete, Nos. 26068, 26069 and
		three 26070

NO.	PLATE			NAN	(E		
26064	7448	Foot with	h 736p	and	three	\mathbf{wood}	screws
		1 in. N	o. 12				
7 361	7449	Foot Thu	mb Scr	ew			
26072	989	Tape Gui	de		<i>.</i>		
26073	7449	Tension A					
2861	7450	44			" Tł	umb S	crew
13211	7446	"	"	Sp	ring		
26074	989	Tape Hol					
		26071 8	and 260)73			. .
26343		Tape Ho	lder w	ith F	oot c	omplet	e, Nos.
		26064	and 260)74			

FOOT LIFTER PARTS

NO.	PLATE			NAME
5596	7448	Bell	Crank	
56848		"	"	5596 with 5599 and 5601
5599	7448	66	"	Bracket
178E	7450	46	"	" Serew
5601	7446	44	**	Hinge Pin
5735	7446	44	44	Spring
5598	7448	Bell	Crank	complete, Nos. 5735 and 56848
5670		Cha	in, leng	gth 26 in. to 35 in., with 56864
		a	nd 5686	55

Note: When ordering No. 5670, give length required

			TCILE	on roq	(441 00	•			
56864	7463	Chain	Hoo	k (larg	e)				
56865	74 63	46	44	(sma	ll)				<i></i> .
4879	7448	"	Con	necting	Lin	k fo	r 488	5	
13587	7448	Lifting	g Lev	er					
13588	7448	"	"	Cor					
12416	7446	44	"		66	_	"]	oint	 .
76p	7446	**	"		"		"	44	Hinge
• • • •		Scre	w						
1521E	7446	Lifting	g Lev	er Con	nect	ing l	Rod I	ock !	Nut.,
802D	7450	"	"	Hin	ge S	crew	·		
2763	1516	Rock	Shaft						
12242	1516	44	"	Hang	er w	ith t	wo w	ood s	screws
		1 in	. No.	. 10					
6337	1516	Rock	Shaft	Liftin	g Br	acke	t wit	h tw	356c
12243	1516	64	"	66	_	"	Hoo	k for	r 4880
7125		"	"	44		44	"	fo	r 4880
	7450	"	"	"		"	"	Set	Screw
	7450	**	"	"		"	Set	Sere	w
2770	1516	"	46	Stop	Dog	with	ı 356	C	<i></i> .
	7450	"	"	44	"				

NO.	PLATE	NAME
4880	1516	Rock Shaft complete, Nos. 2763, 2770,
		7125, 12243 and two each 6337 and
		12242
4881	1516	Treadle
4882	7448	" Shaft
4883	7448	" Spring
4884	1516	" Stand
4885	1516	Treadle complete, Nos. 4879, 4881 to 4884
		and two wood screws 1 in. No. 16
13725		Foot Lifter complete, Nos. 76D, 802D,
		1521E, 4880, 4885, 5598, 5670, 12416,
		13587, 13588 and two 178E

KNEE LIFTER PARTS

NO.	PLATE			NAME
5596	7448	Bell (rank	
56848		"	"	5596 with 5599 and 5601
5599	7448	44	"	Bracket
178E	7450	**	"	" Screw
5601	7446	44	"	Hinge Pin
5735	7446	**	44	Spring
5598	7448	Bell (rank	complete, Nos. 5735 and 56848
13587	7448	Liftin	g Lev	/er
13588	7448	**	"	
12416	7446	4	"	" " Joint
76p	7446	44	"	
		Scr	ew	
1521e	7446	Liftin	g Lev	er Connecting Rod Lock Nut
802n	7450	"	"	Hinge Screw
2763	1511	Rock	Shaft	·
12242	1511	"	"	Hanger with two wood screws
		1 ir	. No.	10
2765	1511	Rock	Shaft	Knee Arm
2766	1511	"	44	" " Hub with 356c
356c	7450	"	"	" " Set Screw
2768		Rock	Shaf	t Knee Arm complete, Nos.
				2767
2767	1511	Rock	Shaft	Knee Plate with 356c
356c	7450	46	**	" Set Screw
6337	1511	"	"	Lifting Bracket with two 356c
2778	1511	"	"	" " Hook
356c	7450	44	44	" " Set Screw
356c	7450	"	"	" Set Screw
2770	1511	46	44	Stop Dog with 356c
356c	7450	"	"	" " Set Screw

NO.	PLATE	NAME
2777	1511	Rock Shaft complete, Nos. 2763, 2768,
		2770, 2778, 6337 and two 12242
17039		Knee Lifter complete, Nos. 76p, 802p,
		1521E, 2777, 5598, 12416, 13587, 13588
		and two 178E

THREAD UNWINDER

FOR THREE SPOOLS

NO.	PLATE	NAME		
225389	7165	Spool Rest with 201018c, for one spool		
225395	7165	" " 201018c, for two spools		
225388	7165	" " Rod		
200383c	7463	" " Set Screw		
201018c	7463	" Set Screw		
202490	7165	" Stand with 200383c		
225391	7165	Thread Guide		
20 1696 _J	7463	" Lock Nut		
225392	7165	" Rod with 208E and 225393		
208E	7450	" " Screw		
225393	7463	" " Washer		
225397	7165	Thread Unwinder complete, Nos. 201696J,		
		202490, 225388, 225389, 225392, 225395,		
		three each 225391 and wood screws 1/8		
		in. No. 12		
27739	7234	Thread Cone (wood) for large cones		
2 25390	7234	" Holder, for inverted cones		
N	ore: N	los. 27739 and 225390 are used with,		
1111100000				

but not included in 225397

FEED ROLLS

NO.	PLATE				NAM	E
27971	2830	Feed	Roll	(lower)	with	two 446c
446c	2831	"	44	"	Set	Screw
27972	2829	44	"	"	Shai	ft
11411	2831	"	"	"	"	Collar with 453c
453c	2831	"	46	44	"	" Set Screw
27973	2830	"	"	"	"	Support
27974	2830	44	"	(upper)		
27975	2831	64	"	44		
6533	2831	"	"	"	46	Collar with 460c
	2831	66	"	44	"	" Set Screw
27976	2831	"	46	"	"	Guide Bracket
		wit	th 45	4c		

NO.	PLATE				NAM	E	
4540	2831	Feed	Roll	(upper)	Bar	Guid	e Bracket Set
							• • • • • • • • • • • •
9532	2831	Feed	Roll	(upper)	Bar	Lifte	r with 9533
81r	2831	"	66			"	Hinge Screw
9533	2831	46	44	44	"	"	Stop Pin
2065	2831	66	"	"	"	Sprin	ıg
27977	2830	"	"	"	Brac		ith 453c and
		910)c				
910c	2831	Feed	Roll	(upper)	Bra	cket S	Set Screw
2932	2830	46		44			
453c	2831	44	"	"	"	Set	Screw
27978	2829	"					• • • • • • • • • • • •
27979	2829	"	66				9% in. diam.,
		wit	h 43	5c,			
4350	2831	Feed	Roll	Pulley 4	(groc	ved)	Set Screw
27980		Feed	Rolls	s comple	te, N	os. 81	D, 2065, 2932,
		65	33, 9	532, 114	11, 2	7971	to 27979 and
		six	woo	d screws	11/4	in. N	o. 12

OBSOLETE PARTS

NO.	PLATE	NAME
13793	7440	Arm Shaft
13809	7445	Looper
13891	7465	" Carrier with two 237F and six 853c
237г	7450	" Set Screw for 13891
1253c	7445	" Driving Shaft Link Hinge Pin Set
		Serew for 13818
640c	7450	Needle Bar Connecting Stud Clamping
		Screw
1058c	7445	Presser Bar Lifter Hinge Screw
1520e	7444	" " " " Nut
$914_{ m F}$	7442	Tension Bracket Screw
13844	7442	Thread Controller Post for 13847
13846	7442	" "Thread Guide
13847		Thread Controller complete, Nos. 233p,
		13844 and 13845

NUMERICAL LIST OF PARTS

NO. PLATE	NAME
55v 7449	Tape Holder Cover Hinge Screw for 28994
74×7444	Feed Regulator Hinge Screw
76p 7446	Lifting Lever Connecting Rod Joint Hinge
-	Serew for 13725 and 17039
81ь 2831	Feed Roll (upper) Bar Lifter Hinge Screw
	for 27980
135 _D 7450	Corder Screw for 28563
138E 7450	Arm Screw (right)
144p 7450	" Shaft Screw
145E 7450	Crank Connecting Rod Cap Screw for
	13799
145E 7450	Feed Lifting Rock Shaft Connecting Rod
1101	Cap Screw for 13808
157.r 7444	Feed Lifting Rock Shaft Crank Clamping
1010 (1112	Screw for 2509
175p 7444	Corder Arm Adjusting Screw for 28556
175E 7444	Needle Bar Connecting Stud Clamping
2102 122	Serew for 13896
178E 7450	Bell Crank Bracket Screw for 13725 and
	17039
190 _D 7442	Face Plate Screw for 52-56 Machine
190p 7442	" (upper) Screw for 52-76 Ma-
	chine
190p 7442	Presser Foot Screw
190p 7442	Thread Controller Post Screw
191c 7450	Feed Dog Screw
208E 7450	Thread Unwinder Thread Guide Rod
	Serew for 225392
210p 7450	Balance Wheel Oil Cover Screw
211c 7463	Looper Carrier Set Serew for 13268
217 _F 7450	" Shaft Set Screw for 13811
219р 7450	Thread Guide (side of arm) Screw
233р 7442	" Controller Spring Serew for 13847
	and 13931
237г 7450	Looper Carrier Set Screw for 13891, ob-
	solete
263E 7450	Pressure Regulating Thumb Screw
284ь 7449	Tape Holder Thumb Screw for 26065
286p 7450	Arm Side Cover Thumb Screw
286p 7450	Tape Holder Disc Hub Thumb Screw for
	26062
286р 7450	Tape Holder Tension Adjusting Collar
200D 1400	Thumb Screw for 26073
	I Humb botch for pools

NO. PLATE	NAME
307c 7450	Feed Lifting Rock Shaft Screw Centre
307c 7450	" Rock Shaft Screw Centre
315c 2642	" Bar Screw Centre
356c 7450	Rock Shaft Knee Arm Hub Set Screw for
	2766
356c 7450	Rock Shaft Knee Plate Set Screw for 2767
356c 7450	" " Lifting Bracket Hook Set Screw
	for 6337
356c 7450	Rock Shaft Lifting Bracket Set Screw for
	6337
356c 7450	Rock Shaft Stop Dog Set Screw for 2770
375c 7450	Crank Connecting Rod Hinge Screw
375c 7450	Feed Lifting Rock Shaft Connecting Rod
	Hinge Screw
378c 7444	Feed Connecting Link Hinge Screw (long)
378c 7444	" Forked Connection Hinge Screw
380c 7444	" Connecting Link Hinge Screw (short)
435c 2831	" Roll Pulley (grooved) Set Screw for
	27979
435c 2831	Needle Bar Crank Set Screw for 13816
443c 7450	Arm Shaft Flanged Bushing (front) Set
	Screw
446c 2831	Arm Shaft Flanged Bushing (back) Set
	Screw
446c 2831	Feed Roll (lower) Set Screw for 27971
448c 7450	Balance Wheel Set Screw for 13796
448c 7450	Feed and Feed Lifting Eccentric Set Screw
1100 .100	for 13803
448c 7450	Looper Carrier Shaft Bushing Set Screw.
448C 7450	Oscillating Rock Shaft Hinge Pin Set Screw
453c 2831	Feed Roll (lower) Shaft Collar Set Screw
455C 2551	for 11411
453c 2831	Feed Roll (upper) Shaft Set Screw for
400C 2001	27977
453c 2831	Presser Bar Lifter Hinge Stud Set Screw
400C 2001	for 13946
453c 2831	Presser Bar Lifting Bracket Set Screw for
400C 2001	2953
454c 2831	Feed Roll (upper) Bar Guide Bracket Set
404C 2001	Screw for 27976
460c 2831	Feed Roll (upper) Bar Collar Set Screw
4000 2001 .	for 6533
465c 7444	Feed Rock Shaft Crank Set Screw for 2048
620r 7445	Needle Set Screw for 13596
620F 7445	Tension Screw Stud for 13894
•	Needle Bar Connecting Stud Clamping
640c 7450	Needle Bar Connecting Stud Clamping

NO. PLATE	NAME
691 _F 7450	Throat Plate Screw
736р 7449	Tape Holder Foot Thumb Screw for 26064 and 26325
747p 7444	Feed Regulator Thumb Screw
794E 7444	Needle Bar Connecting Link Adjusting Screw for 13582
802 _D 7450	Lifting Lever Hinge Screw for 13725 and 17039
853c 7450	Looper Set Screw for 13628 and 13891
880E 7450	Arm Screw (left)
881c 7444	Needle Bar Connecting Link Hinge Screw
883в 7445	Thread Take-up Plate Screw
898D 7450	Arm Oil Tube Bracket Screw
898 _F 7450	Tension Bracket Screw
910c 2831	Feed Roll (upper) Bracket Set Screw for 27977
914г 7442	Tension Bracket Screw, obsolete
970 _D 7446	Bed Frame Thumb Screw for 13697
1058c 7445	Presser Bar Lifter Hinge Screw, obsolete
1253c 7445	Looper Driving Shaft Crank Set Screw
12000 1110	for 13812, obsolete
1253c 7445	Looper Driving Shaft Link Hinge Pin Set Screw for 13818
1293c 7450	Needle Bar Crank Position Screw for 13816
1454c 7463	Looper Driving Shaft Link Hinge Pin Set
	Screw for 13818
1513ј 2642	Feed Lifting Rock Shaft Screw Centre Nut
1513л 2642	" Rock Shaft Screw Centre Nut
1518E 7450	Crank Connecting Rod Hinge Screw Nut
1518E 7450	Feed Lifting Rock Shaft Connecting Rod Hinge Screw Nut
1519E 7450	Feed Bar Screw Centre Nut
1520E 7444	" Connecting Link Hinge Screw Nut
1520E 7444	" Forked Connection Hinge Screw Nut
1520E 7444	Presser Bar Lifter Hinge Screw Nut, obsolete
1521E 7446	Lifting Lever Connecting Rod Lock Nut for 13725 and 17039
1547 _D 7442	Tension Screw Stud Nut for 13894
1560c 7442	" Regulating Thumb Nut for 13894
1813 7444	Feed Lifting Rock Shaft Crank Roller and Stud for 2509
1904 7444	Needle Bar Connecting Stud Roller (roller only) for 13815 and 13896
2039 7444	Feed Connecting Link
2046 —	Feed Rock Shaft complete, Nos. 2047 and
	2048

NO.	PLATE	NAME	NO.	PLATE	NAME
2047	7440	Feed Rock Shaft for 2046	5599	7448	Bell Crank Bracket for 56848
2048	7444	" " Crank with 465c, for	5601	7446	" " Hinge Pin for 56848
2049	7444	2046 Feed Rock Shaft Crank Pin	5670		Chain, length 26 in. to 35 in., with 56864 and 56865, for 13725
2058	7441	Presser Bar	5735	7446	Bell Crank Spring for 5598
2065	2831	Feed Roll (upper) Bar Spring for 27980	6337	1516	Rock Shaft Lifting Bracket with two 356c,
2070	7445	Presser Bar Spring Washer	0301	1010	for 2777 and 4880
	7444	Feed Regulator			
2164	7463	Tension Bracket Steady Pin	6533	2831	Feed Roll (upper) Bar Collar with 460c,
2269		Needle Clamp Pin			for 27980
2273	7445	Feed Lifting Rock Shaft Crank with 157J	7125	1516	Rock Shaft Lifting Bracket Hook for 4880
2509	7444	and 1813, for 13807	7263	7446	Bed Frame Hinge Connection (long) for
0540	1511		1		13697
2763	1911	Rock Shaft for 2777 and 4880	8908	7447	Wrench for 1519 and 1520 (Accessories)
		Nos. 2765 to 2767 for 2768	8909	7447	" 1513 and 1518 (Accessories)
0=0=	1 2 1 1	The dealer of Towns Assess	9532	2831	Feed Roll (upper) Bar Lifter with 9533,
2765	1511	Rock Shaft Knee Arm	*		for 27980
2766	1511	Italy with boot	9533	2831	Feed Roll (upper) Bar Lifter Stop Pin
2767	1511	1 ktoc with oboc	9000	2001	for 9532
2768		Rock Shaft Knee Arm complete for 2777,	****		
		Nos. 2765 to 2767	11118	7446	Bed Frame Cushion (leather) for 13697
2770	1511	Rock Shaft Stop Dog with 356c, for 2777 and 4880	11411	2831	Feed Roll (lower) Shaft Collar with 453c for 27980
2777	1511	Rock Shaft complete for 17039, Nos. 2763,	12242	1511	Rock Shaft Hanger with two wood screws
		2768, 2770, 2778, 6337 and two 12242			1 in. No. 10, for 2777 and 4880
2778	1511	Rock Shaft Lifting Bracket Hook for 2777	12243	1516	Rock Shaft Lifting Bracket Hook for 4880
2921	7442	Tension Disc for 13894	12361	7446	Machine Hinge Connection for 44140
2932	2830	Feed Roll (upper) Shaft for 27980	12405	7446	" Rest, felt (Accessories)
2953	7445	Presser Bar Lifting Bracket with 453c	12416	7446	Lifting Lever Connecting Rod Joint for
2978	1514	Drip Pan for 13697	12410	7110	13725 and 17039
4389	7445	Arm Dowel Pin	10011	= 440	
4822	7447	Wrench for 1521 and 1547 (Accessories)	13211	7446	Tape Holder Tension Adjusting Spring for
4879	7448	Chain Connecting Link for 4885			26074
4880	1516	Rock Shaft complete for 13725, Nos. 2763,	13516	7445	Looper Carrier Shaft
		2770, 7125, 12243 and two each 6337	13581	7441	Needle Bar (hollow)
		and 12242	*13582	7444	" Connecting Link with 794E
					for 13933
		Nos. 4881 to 4884 for 4885	13587	7448	Lifting Lever for 13725 and 17039
4881	1516	Treadle	13588	7448	" " Connecting Rod for 13725
4882		" Shaft	•		and 17039
4883		" Spring	13589	7442	Tension Disc Steady Pin for 13893
4884		" Stand	13589	7442	" Thread Guide Pin for 13893
4885		Treadle complete for 13725, Nos. 4879,	13594	7445	Thread Take-up Plate
1000		4881 to 4884 and two wood screws 1	13596	7465	Needle Clamp with six 620r or 50014r, for
		in. No. 16	19990	1400	1/8 in. to 11/4 in. gauge
5596	7448	Bell Crank for 56848	13617	7463	Looper
5598		Bell Crank complete for 13725 and 17039,	13628	7463	" Carrier with two 211c and six 853c
0000	. 1110	Nos. 5735 and 56848	13635		Drip Pan with four 1 in. wire nails
		1.00. 0.00 mma 000	10000	TOTI	AND A WAL WILLIAM THE WIND HANDS

NO.	PLATE	NAME
13697	1511	Bed Frame with 970p, 2978, 7263, 14098,
		two 14008 and four each 11118 and wood
		screws 1¼ in. No. 12
13710	7442	Tension Spring for 13894
13725		Foot Lifter complete, Nos. 76D, 802D,
		1521E, 4880, 4885, 5598, 5670, 12416,
		13587, 13588 and two 178E
*13789		Arm
		Nos. cancelled.
13793	7440	Arm Shaft, obsolete
13794	7440	" "Flanged Bushing (back)
13795	7440	(Iront)
13796	7441	Balance Wheel, $2\frac{3}{16}$ in. pulley, with two 448c
13797	7441	Balance Wheel Oil Cover
*13798		Bed
13799	7441	Crank Connecting Rod with 13800 and
		two 145E
*13800		Crank Connecting Rod Cap for 13799
13801	7458	Face Plate (upper) for 52-76 Machine
13802	7443	Feed Bar
13803	7444	" and Feed Lifting Eccentric with 448c
13804	7444	" " " " Sleeve
13805	7440	" Forked Connection
13806	7440	" Lifting Rock Shaft for 13807
13807	. —	Feed Lifting Rock Shaft complete, Nos. 2509 and 13806
13808	7440	Feed Lifting Rock Shaft Connecting Rod
20000	• • • •	with 43977 and two 145£
13809	7445	Looper, obsolete
13811	7441	" Driving Shaft with 217r
13812	7445	" " Crank with two
		1253c
13813	7445	Looper Driving Shaft Link
13814	7445	Tringe Tim
13816	7440	Needle Bar Crank with 435c and 1293c
13818	7445	Oscillating Rock Shaft with 1454c " " Hinge Pin
13819 13820	$7445 \\ 7445$	" " " Bushing
		0 Nos. cancelled.
10021		Nos. 13831 to 13833 for 13834
13831	7442	Arm Oil Tube (left) with 49092, for oiling
19991	1772	13811
13832	7442	Arm Oil Tube (right) with 49092, for
		oiling 13813

NO.	PLATE	NAME
13833		Arm Oil Tube Bracket
13834	7442	" " " 13833 with 13831 and 13832
13835	7458	Face Plate (lower) for 52-76 Machine
13836	7445	Looper Carrier Shaft Bushing
13839	1110	Thread Guide (back of arm) six holes, for
		13840
13840	7462	Thread Guide (back of arm) 13839 with 13862
13842		Thread Guide (top of arm) six holes, for 13843
13843	7463	Thread Guide (top of arm) 13842 with 13862
13844	7442	Thread Controller Post for 13847, obsolete
13845	7442	" Spring for 13847
13846	7442	" "Thread Guide, obsolete
13847		Thread Controller complete, Nos. 233D,
		13844 and 13845, obsolete
13849	7441	Face Plate for 52-56 Machine
13862	7442	Arm Oil Tube with 29599, for oiling 13799
		and 13804, for 13840 and 13843
13891	7465	Looper Carrier with two 237F and six 853c,
		obsolete
13892	7465	Needle Clamp with six 50014F, for 3 in.
		gauge and above
13893	7466	Tension Bracket with twelve 13589, for 13894
13894		Tension Bracket complete, Nos. 13893,
		six each 637F, 1547D, 1560C, 13710 and
		twelve 2921
13895	7465	Thread Guide (side of arm) six holes
13896	7444	Needle Bar Connecting Stud with 1904
		and two 175E, for 13933
13928	7458	Arm Shaft
13929	7463	Thread Controller Post for 13931
13930	7463	" "Thread Guide
13931		Thread Controller complete, Nos. 233D,
		13845 and 13929
13940	7463	Thread Take-up Plate
*13945		Arm for 13946
*13946		" 13945 with 453c and 15486
14008	7446	Bed Frame Hinge Connecting Pin for
		13697
14098	7446	Bed Frame Hinge Connection (short) for
_		13697
15196	7441	Arm Side Cover
15486	7463	Presser Bar Lifter Hinge Stud for 13946.
-0.100	. 100	2.20001 Dat Ditter 11inge Dud for 19740

NAME

NO. PLATE

zo.	P	LATE	NAME
17039	-		Knee Lifter complete, Nos. 76D, 802D,
			1521E, 2777, 5598, 12416, 13587, 13588
			and two 178E
21350) '	7444	Feed Regulator Thumb Screw Stop
25790	1	7449	Corder Arm Hinge Pin for 28556
26026	, '	7447	Screw Driver, large (Accessories)
26061		989	Tape Holder Bracket Wire with Disc, for
			26063
26062	2	989	Tape Holder Disc (adjustable) with 286p
			and 35925, for 26063
26063	3	989	Tape Holder (straight) 8 in. disc, com-
			plete, for 26065, Nos. 26061 and 26062
26064	<u> </u>	7448	Tape Holder Foot with 736p and three
			wood screws 1 in. No. 12, for 26343
26063	5		Tape Holder with Foot complete, Nos.
			26063 and 26325
26066	6	989	Tape Holder Bracket Wire for 26067
2606	7		Tape Holder Bracket Wire complete for
			26074, Nos. 26066, 26068 and 26072
26068	8	989	Tape Holder Disc for 26067 and 26071
26069	_	989	" " Hub for 26071
2607	-	7446	" " Rivet for 26071,
200.	•	•	per 100
2607	1		Tape Holder Disc complete for 26974,
2001	-		Nos. 26068, 26069 and three 26070
2607	9	989	Tape Holder Tape Guide for 26067
2607	_	7449	" " Tension Adjusting Collar
2001			with 286p, for 26074
2607	4	989	Tape Holder (offset) 10 in. disc, complete,
2001	•	000	for 26343, Nos. 13211, 26067, 26071 and
			26073
2021	_	7749	Presser Foot for 28563
2621		7543	Tape Holder Foot with 736p and three
2632	5	7448	wood screws 1 in. No. 12, for 26065
040			Tape Holder with Foot complete, Nos.
2634	13		26064 and 26074
			Corder Cord Guide Eyelet for 26356
2635		1512	" " Plate for 26356
2635		1512	
2635	56	1512	Corder Cord Guide (table) complete for
			52-56 Machine, Nos. 26355 and seven
			26354
2633	57	1512	Corder Cord Tension Plate for 26359
2638	58	1512	" " Pin for 26359
2635	59	1512	Corder Cord Tension (bed) complete for
			52-56 Machine, Nos. 26357 and ten
			26358
264	85	7447	Screw Driver, small (Accessories)

	NO.	PLATE	NAME	
	27739	7234	Thread Unwinder Thread Cone (wood) for large cones, for 225397	
Nos. 27971 to 27979 for 27980				
	27971	2830	Feed Roll (lower) with two 446c	
	27972	2829	" " Shaft	
	27973	2830	" " Support	
	27974	2830	" " (upper)	
	27975	2831	" " Bar	
	27976	2831	" " Guide Bracket with	
	21010	2001	454c	
	27977	2830	Feed Roll (upper) Bracket with 453c and	
	21011	2000	910c	
	27978	2829	Feed Roll Frame	
	27979	2829	" " Pulley (grooved) 91/8 in. diam.,	
		2020	with 435c	
	27980		Feed Rolls complete, Nos. 81p, 2065, 2932,	
	-1000		6533, 9532, 11411, 27971 to 27979 and	
			six wood screws 1½ in. No. 12	
	28551	7464	Corder Arm with Tip and Cord Guides	
	-0001	1 20 2	for 28556	
	28554	7464	Corder Arm Bracket for 28556	
	28556	7464	Corder Arm and Bracket complete for	
	20000		28563, Nos. 175D, 25790, 28551 and 28554	
	28563		Corder complete for 52-56 Machine, Nos.	
	20000		135p, 26212 and 28556	
	28573	7544	Presser Foot, for group cording, for 52-56	
	20010	1011	Machine	
	28574	7544	Presser Foot, for space cording, for 52-56	
	200.1	.0	Machine	
	28994	2116	Tape Holder (5 in. diam.) complete, for	
	20001	2110	under the bench, Nos. 55D, 36795, 36796	
			and two wood screws 1¼ in. No. 10	
	29599	7442	Arm Oil Tube Packing (felt) for 13862,	
	20000		per 100	
		Non 9	30356 to 30365 for 52-56 Machine	
	30356	7552	Presser Foot (strip folding and cording) for covering three cords with three folded strips	
	30357	4656	Presser Foot, for strip cording, with guides	
	90991	4000	for upper and under strips and five cord	
			tubes	
	30358	7543	Presser Foot, for general work	
	30359	7546	" " braiding	
	30360	7550	" " (tube)	
	84	85—3		
	47			

		•			
ио. 30 361	PLATE 4678	Presser Foot (strip folding) leaving out the first and second needles from the right hand side and the second and third needles from the left hand side	no. 31183	PLATE 3099	NAME Presser Foot (double strip folding) leaving out the third needle from the right hand side
30362 30363	3043 4689	Presser Foot (tube) for three strips " " " " and under strip	31184	7548	Presser Foot (strip folding) strip to be stitched by the second and third needles from the right hand side and the first, second and third needles from the left
30364 30365	3039 3040	Presser Foot (strip folding) " " for cording, for covering three cords with three strips			hand side, the first needle from the right hand side for plain stitching
	Nos. 3	1171 to 31180 for 52-56 Machine	31185	7546	Presser Foot for braiding, leaving out the first and third needles from the right
31171	3041	Presser Foot (strip folding) with five cord tubes			hand side and the second needle from the left hand side
31172	3041	Presser Foot (strip folding) with three cord tubes, for cording between the first and	31186	3126	Presser Foot (strip folding) leaving out the first needle from the right hand side
		second needles from the right hand side, the first and second needles from the		Nos. 3	1189 to 31200 for 52-56 Machine
		left hand side, the third needle from the right hand side and the third needle from the left hand side	31189	4645	Presser Foot (strip folding) with three cord tubes, for cording between the second and third needles from the right hand
31173	3042	Presser Foot (tube) with four cord tubes, for cording between the first, second and third needles from the right hand side and the first record and the firs			side, the second and third needles from the left hand side, the third needle from the right hand side and the third needle from the left hand side
	,	and the first, second and third needles from the left hand side	31190	4646	Presser Foot (side hinged) for general work
31174	3042	Presser Foot (fronthinged) for general work	31191	7547	Presser Foot for braiding, with four narrow
31175 31176	3043 3044	" for gathering " (strip folding) for three strips			slots for braid, using the first and second needles from the right hand side
31177	3045	" " for cording, with five cord tubes and guides for upper strip			and the first and second needles from the left hand side, and with a wide slot for
31178		Presser Foot (strip folding) with seven cord tubes			braid, using the third needle from the right hand side and the third needle
31179	7545	Presser Foot (strip folding) with four cord tubes, for inserting four cords in folded	31192	4666	from the left hand side
		strip, leaving a space on both edges of strip between the edge of strip and the	31192	4000	row slots for braid, and with tube for braid for the first needle from the right
		first cord from each side of strip, leaving			hand side
		out the first needle from the right hand side	31193	4667	Presser Foot (hinged, adjustable) for gathering, for 48122
31180	7549	Presser Foot for strip cording, with guides for upper and under strips and four cord tubes, leaving out the first needle from	31194	7552	Presser Foot (strip folding) with four cord tubes, leaving out the first needle from the right hand side
		the right hand side	31195	4678	Presser Foot for cording, with four cord
	Nos. 3	1182 to 31186 for 52-56 Machine			tubes and guide for upper strip, leaving out the first needle from the right hand
31182	3099	Presser Foot (tube) for two strips			side

NO.	PLATE	NAME
31196	7549	Presser Foot for cording, with three cord tubes and guide for upper strip, leaving out the first and second needles from the right hand side
31197	4668	Presser Foot (tube) for three strips of tape, for stitching tape on the left hand edge, leaving out the first and third needles from the right hand side and the second
31198	5420	needle from the left hand side Presser Foot (tube) for two strips, leaving out the second and third needles from the right hand side
31199	5432	Presser Foot (double hinged, strip folding) for folding three strips
31200	5448	Presser Foot (strip folding) for cloth work, leaving out the first needle from the right hand side
32675	7463	Presser Bar Spring
35925	7449	Tape Holder Disc Hub for 26062
36569	7447	Oiler with 36571, for 36570
36570		" 36569, filled with oil (Accessories)
36571	7447	" Spout, 134 in. long, with 36807, for 36569
36795		Tape Holder Body for 28994
36796		" Cover for 28994
36807	7446	Oiler Spout Washer (leather) for 36571
41400	7447	Machine Rest Pin (wood) 3½ in. long (Accessories)
*43977		Feed Lifting Rock Shaft Connecting Rod Cap for 13808
44139	7446	Machine Hinge Plate for 44140
44140		Machine Hinge complete, Nos. 12361, 44139 and merlized wood screw 1¼ in. No. 14 (Accessories)
	Nos. 47	7288 to 47312 for 52-56 Machine
47288	7543	Presser Foot, for rims of soft hats
47289	5454	Presser Foot (strip folding) with four cord tubes, leaving out the first needle from the left hand side
47290	5455	Presser Foot for strip cording, with guides for upper and under strips and four cord tubes, leaving out the first needle from the left hand side
47291	5456	Presser Foot (hinged, adjustable) for gathering, leaving out the first needle from the left hand side

NO.	PLATE	NAME
47292	5463	Presser Foot (strip folding) leaving out the
		first needle from the left hand side
47293	7551	Presser Foot (double hinged) for general
		work
47294	7550	Presser Foot (hinged) with keel
47295	7554	Presser Foot with three narrow slots, for
		braiding, leaving out the second needle
		from the right hand side and the first
		and third needles from the left hand side,
47296	7554	Presser Foot with three slots for tape
47297	7572	Presser Foot for stitching two braids on
		outside needles (outside needles, equi-
		distant from centre of needle bar)
47298	7577	Presser Foot with upper and lower strip
		folder and three cord tubes, for insert-
		ing cord between four centre needles
47299	7546	Presser Foot for braiding, leaving out the
-,		first needle from the right hand side and
		the first and second needles from the
		left hand side
47300	7551	Presser Foot (side hinged) with three slots
21000		for braiding
47301	7553	Presser Foot (hinged) with three slots for
		tape
47302	754 3	Presser Foot with two slots for braid and
		two slots for tape, leaving out the two
		centre needles
47303	7544	Presser Foot with two slots for tape, leav-
		ing out the third needle from the left
		hand side and the second needle from
		the right hand side
47304	7544	Presser Foot with two slots for tape and
		three slots for braid Presser Foot (tube) for three upper and
47305	7546	three lower strips
45000	7547	Presser Foot with four slots for braid leav-
47306	7041	ing out the first needle from the right
		hand side
47307	7547	Presser Foot with one slot for braid and
41001		one slot for tape, leaving out the first
		and third needles from the right hand
		side
47308	7584	Presser Foot with two slots for braid and
, 1,500		two slots for tape
47309	7584	
		for tape

NO.	PLATE	NAME
47310	7552	Presser Foot (tube) for three strips of tape
47311	7550	" for braiding, leaving out the
1,011	1000	first, third and fifth needles
47312	7572	Presser Foot with three slots for narrow
1.012		tape and three slots for wide tape
		•
	Nos. 48	8122 to 48140 for 52-56 Machine
48122	5410	Feed Dog, for gathering
48123	5411	« «
48124	5412	" "
48125	5413	" "
48126	5414	« «
48127	5415	" "
48128	5416	· " "
48129	7502	Feed Dog leaving out the second needle
		from the right hand side and the first
		and third needles from the left hand side
48130	7503	Feed Dog
48131	7504	« «
48132	7610	" for gathering and under braiding
48133	7612	« «
48134	8700	" "
48135	8701	"
48136	8722	« «
48137	8723	« «
48138	5413	" "
48139	8738	" "
48140	8739	« «
48142	5410	Throat Plate for 48122
48143	5411	" " 48123
48144	5412	" " 48124
48145	5413	" " 48125 and 48138
48146	5414	" " 48126
48147	5415	" " 48127
48148	5416	" " 48128, for under strip
48149	7502	" " 48129
48150	7503	" " 48130
48151	7504	" " 48131, for under strip
48152	7610	" " 48132, for gathering and
		under braiding
4 81 5 3	7609	Throat Plate for 48122, leaving out the
		third needle from the right hand side
		and the third needle from the left hand
		side
48154	7612	Throat Plate for 48133
48155	8700	" " 48134
48156	8701	" " 48135

NO.	PLATE				AME		
48157	8722	Throa	t Plate:	for 48	136		
48158	8723	"	"	" 48	137		
48159	8738	"	" (No. 5	3 dril	l nee	dle hole) for
		4813	9				
48160	8739						
10.00	0.00						
	Nos. 48	3512 то	48520 1	FOR 5	2-76 I	/I ACI	HINE
48512	5417				<i>.</i>		
48513	5418	"	"				
48514	5419	"	"				
48515	7480	"	"		. 	<i>.</i> .	
48516	7481	"	"		<i>.</i> .	<i>.</i> .	
48517	7613	"	"				
48518	8744	46					ah)
48519	8745	"	` -				to the inch)
48520	8746	"					to the inch)
48527	7553	Proggo					-76 Machine
48547	5417						48512
48548	5418	46	i I lave	(611111	# #	"	48513
48549	5419	"	"	"	"	46	48514
48550	7480	"	"	"	66	"	48515
		"	"	"	66	**	
48551	7481	"	"	"	46	"	48516
48552	7613	"	"	"	"	"	48517
48553	8744	"	"	"	"	"	48518
48554	8745	••	"	"	"		48519
48555	8746	**				"	48520
49092	7442						t) for 13831
50014F	7445	Needle	e Set S	crew.	for a	a Pain	. gauge and
000222							2
50062J	7450						crew
52016	7445						
	7440						
54897	,						
56006	7442			-			g (back) Oil
56006	7442	Arm 8	Shaft F	lange	d Bu	shin	g (front) Oil
		Pad	(braide	ed cot	ton).		
56848							nd 5601, for
56864	7463	Chain	Hook ((large) for δ	670	
56865	7463	44	"	(small) for	5670	
120341	7458	Tweez					s
200383							est Rod Set
					-		
2010180	7469						st Set Screw
2010180	7403						st det octew
		101	£20089	anu Z	#00AC	,	

NO.	PLATE	NAME
201696 _J	7463	Thread Unwinder Thread Guide Lock Nut
		for 225397
202490	7165	Thread Unwinder Spool Stand with
		200383c, for 225397
	Nos	. 225388 то 225392 гов 225397
225388	7165	Thread Unwinder Spool Rest Rod
225389	7165	" " with 201018c,
		for one spool
225390	7234	Thread Unwinder Thread Cone Holder,
		for inverted cones
225391	7165	Thread Unwinder Thread Guide
225392	7165	" " Rod with
		208E and 225393
225393	7463	Thread Unwinder Thread Guide Rod
		Washer for 225392
225395	7165	Thread Unwinder Spool Rest with 201018c,
		for 225397
225397	7165	Thread Unwinder complete, for three
		spools, Nos. 2016961, 202490, 225388,
		225389, 225392, 225395, three each
		225391 and wood screws $\frac{7}{8}$ in. No. 12

Genuine Singer Needles and their Containers are marked with the Company's Trade Mark "SIMANCO."

> Needles in Containers marked "For Singer Machines" are not Singer made needles.

PLATE 989-ONE-FOURTH SIZE

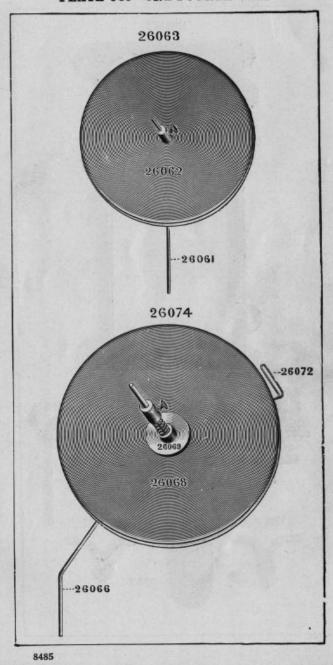


PLATE 1511-ONE-FOURTH SIZE

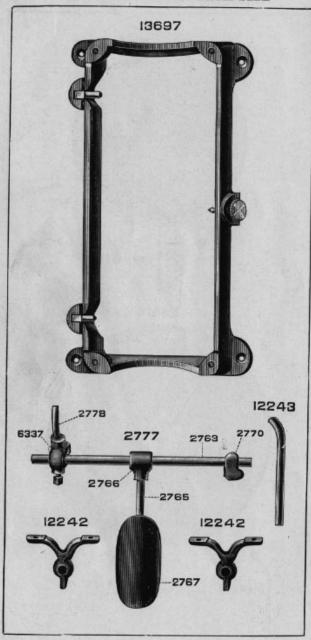


PLATE 1514-ONE-FOURTH SIZE

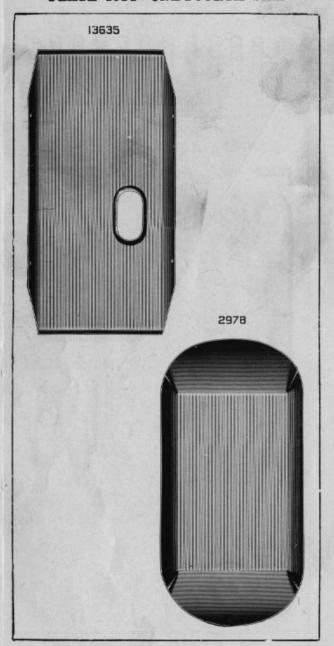


PLATE 1512-FULL SIZE

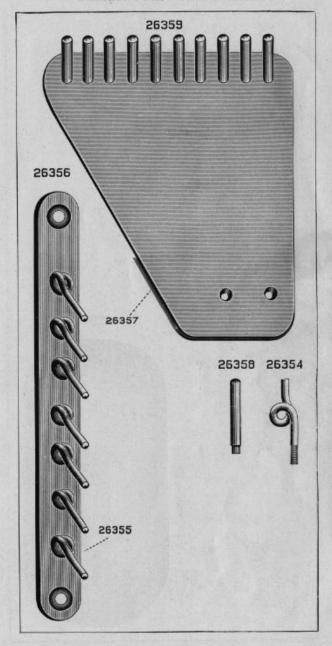


PLATE 1516-ONE-FOURTH SIZE

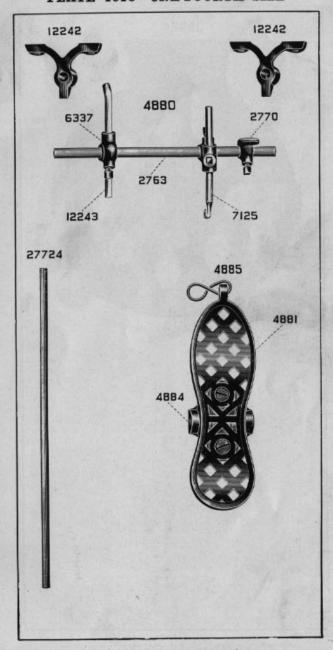


PLATE 2116-ONE-HALF SIZE

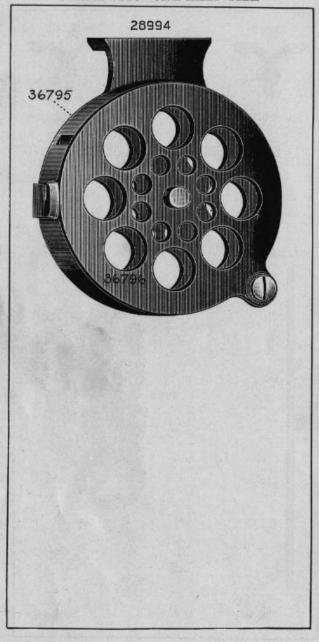


PLATE 2642-FULL SIZE

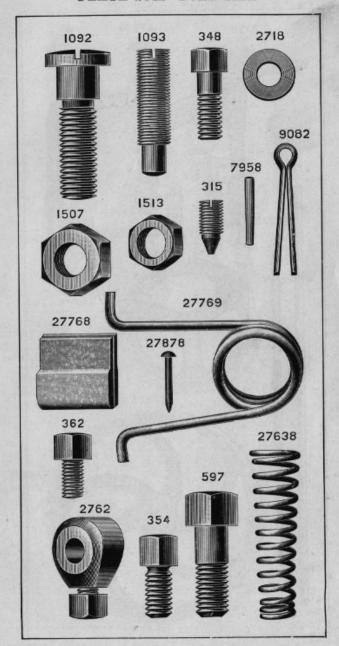


PLATE 2829-ONE-FOURTH SIZE

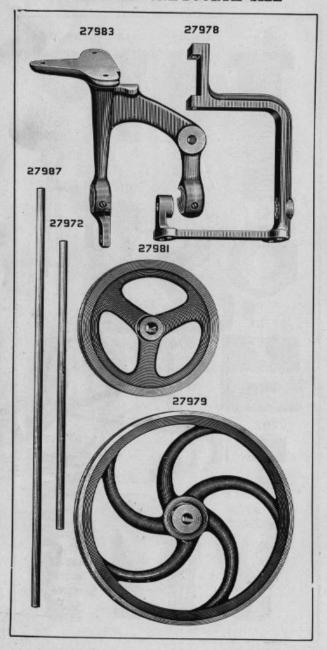


PLATE 2830-ONE-HALF SIZE

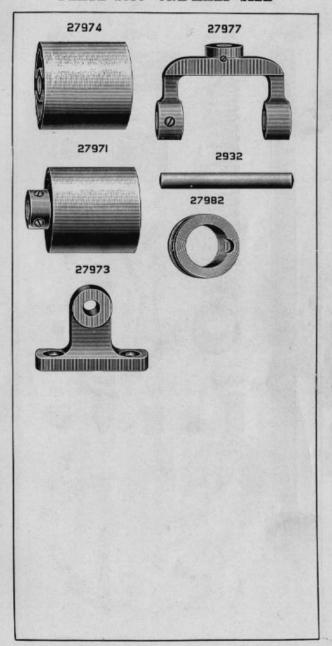


PLATE 2831-FULL SIZE

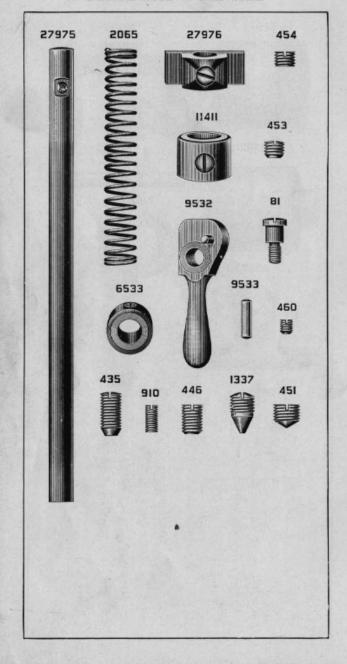


PLATE 3039-FULL SIZE

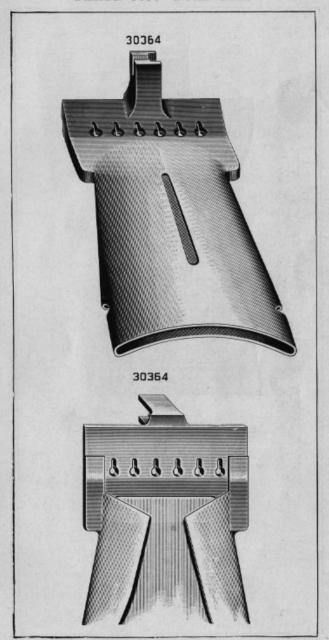


PLATE 3040-FULL SIZE

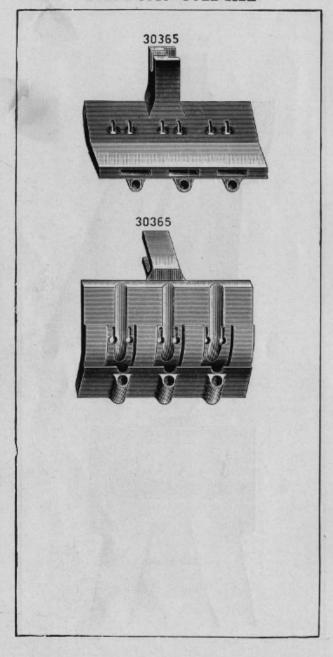


PLATE 3041-FULL SIZE

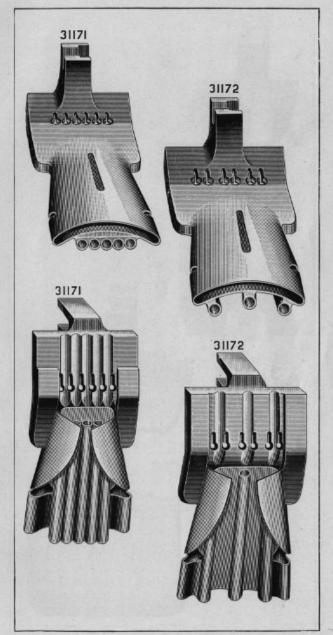


PLATE 3042-FULL SIZE

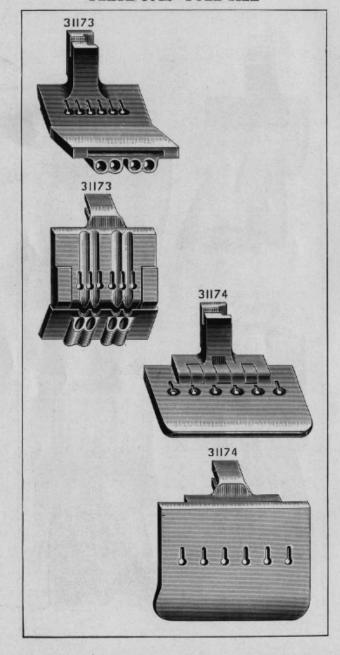


PLATE 3043-FULL SIZE

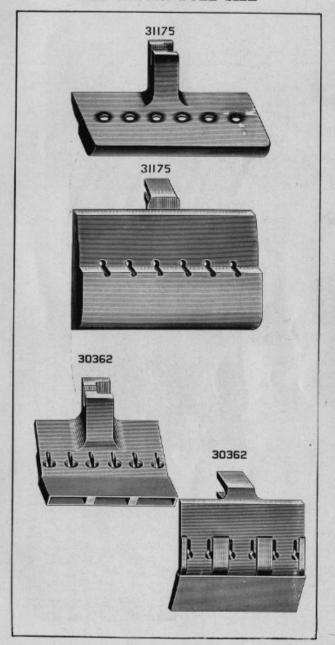


PLATE 3044-FULL SIZE

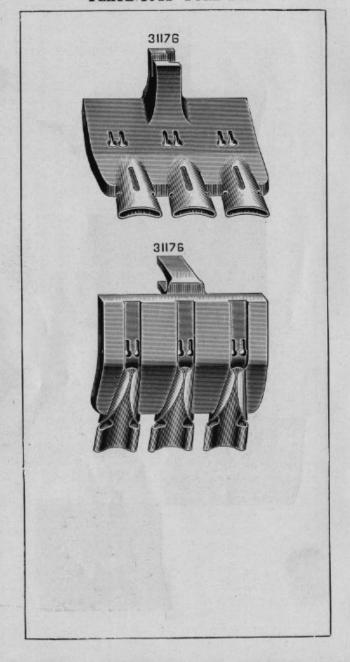


PLATE 3045-FULL SIZE

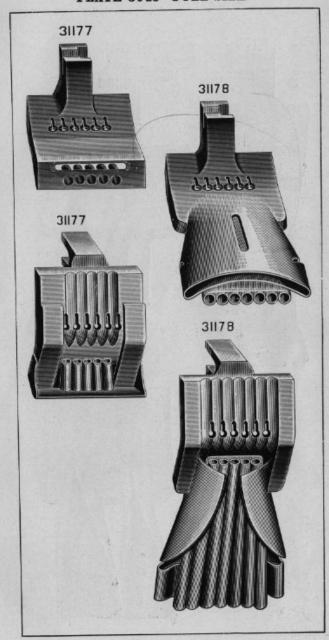


PLATE 3099-FULL SIZE

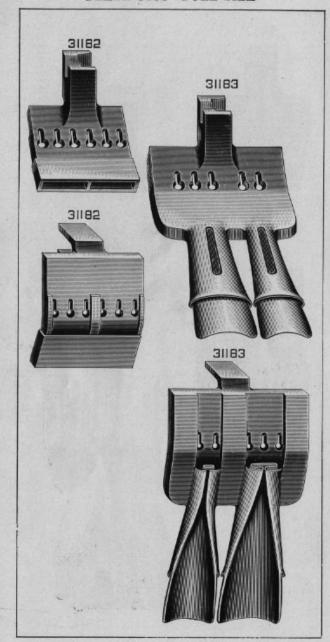


PLATE 3126-FULL SIZE

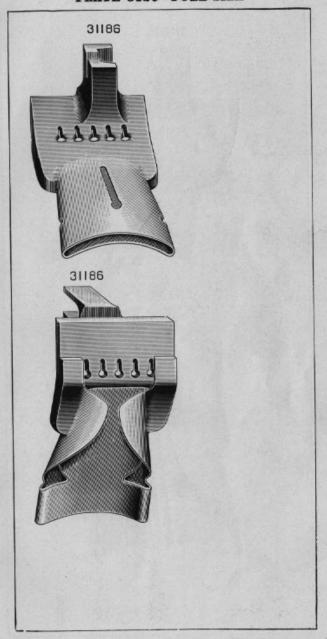


PLATE 4645-FULL SIZE

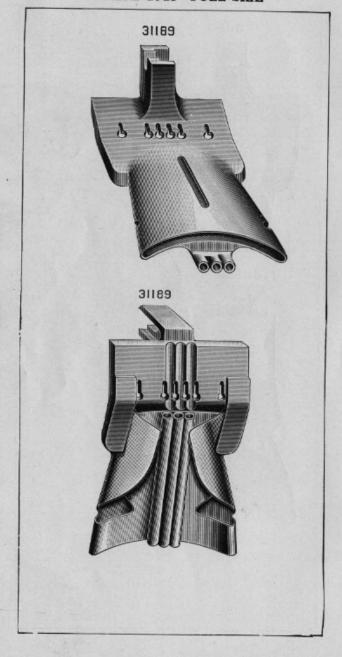


PLATE 4646-FULL SIZE

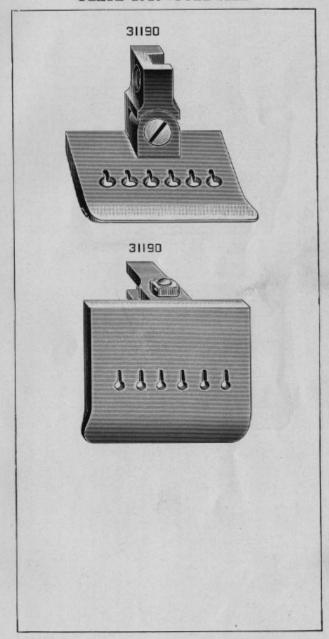


PLATE 4656-FULL SIZE

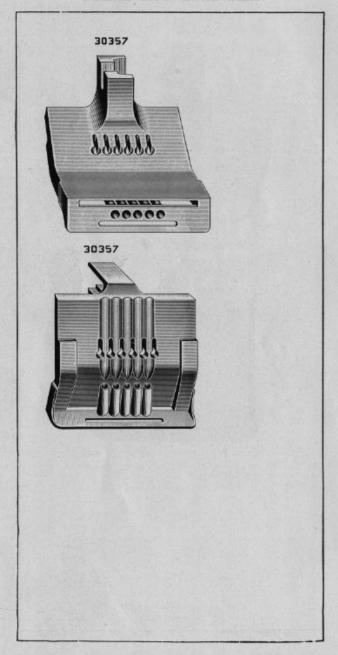


PLATE 4666-FULL SIZE

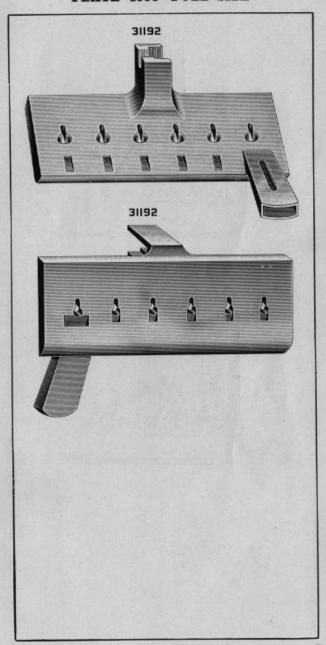


PLATE 4667-FULL SIZE

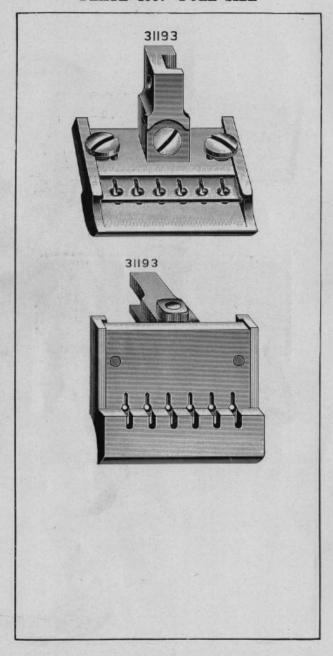


PLATE 4668-FULL SIZE

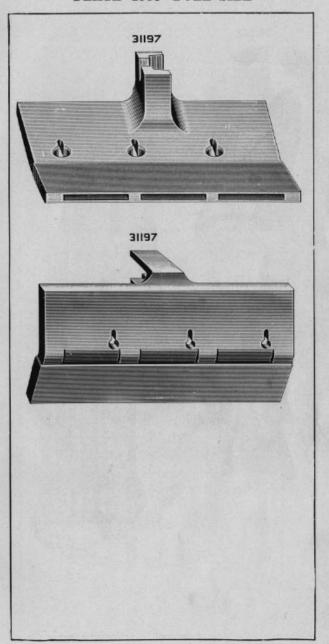


PLATE 4678-FULL SIZE

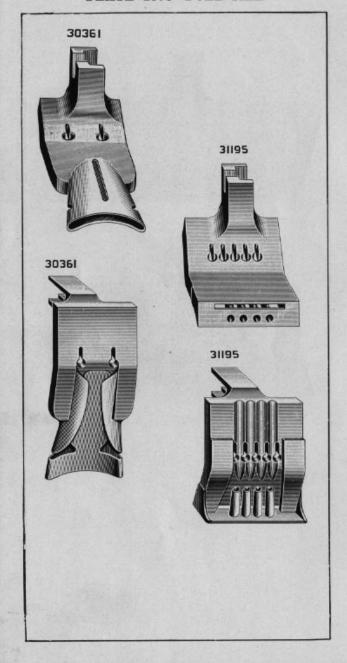


PLATE 4689-FULL SIZE

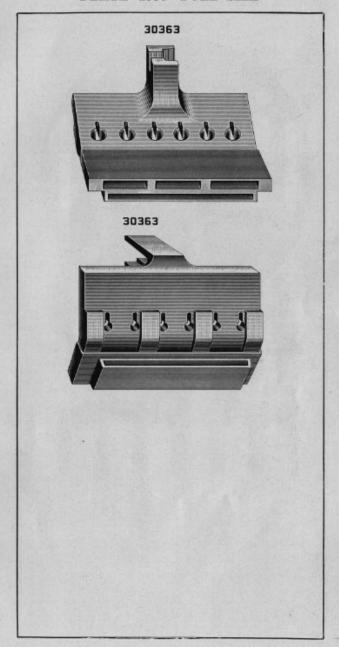


PLATE 5410-FULL SIZE

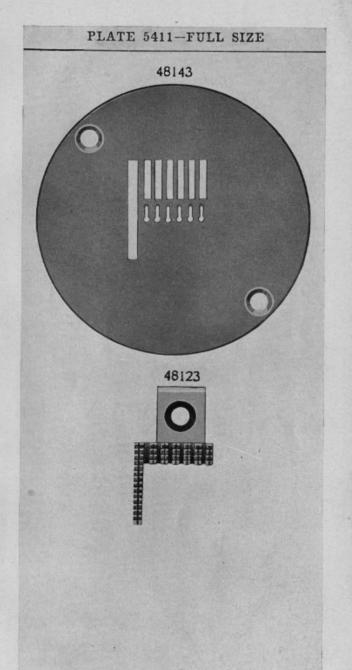
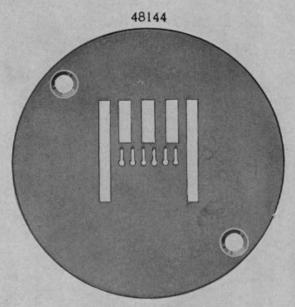


PLATE 5412-FULL SIZE



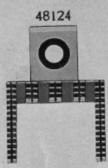
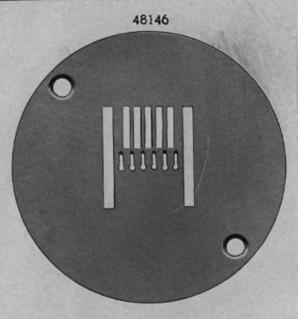


PLATE 5413-FULL SIZE 48145 48125 48138

PLATE 5414-FULL SIZE



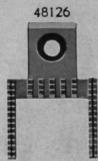


PLATE 5415-FULL SIZE

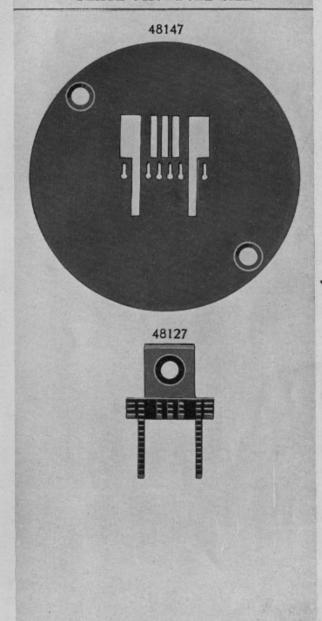


PLATE 5416-FULL SIZE

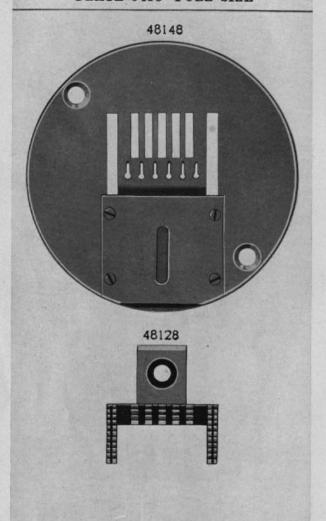
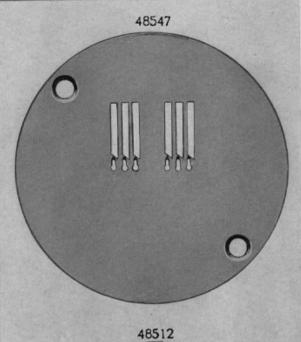


PLATE 5417-FULL SIZE



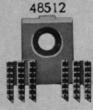
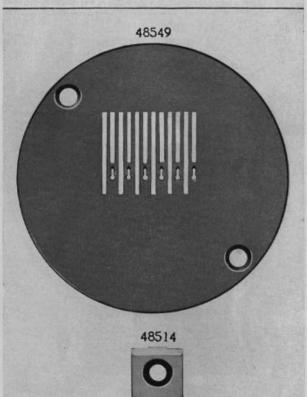


PLATE 5418-FULL SIZE 48548 48513

PLATE 5419-FULL SIZE



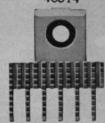


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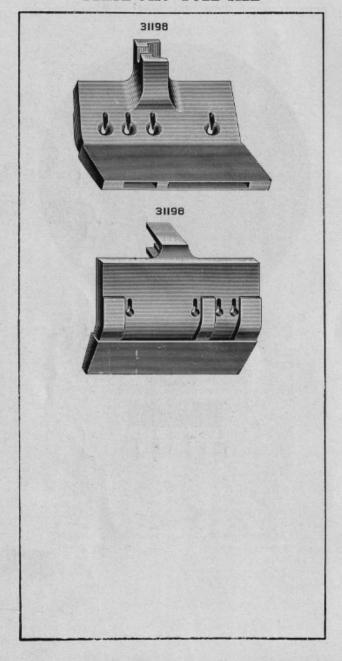


PLATE 5432-FULL SIZE

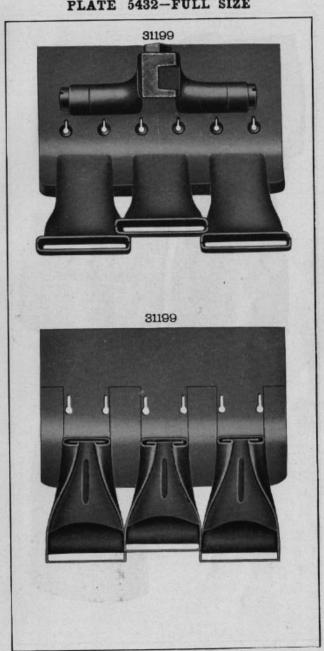
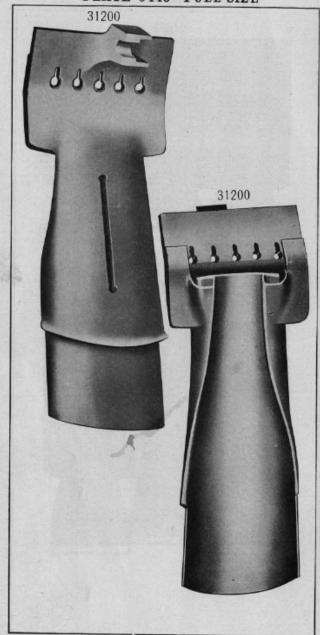


PLATE 5448-FULL SIZE



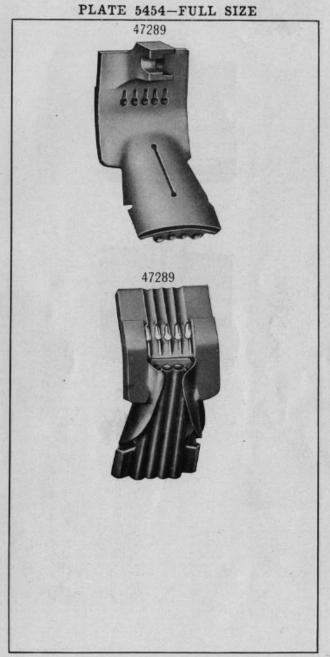
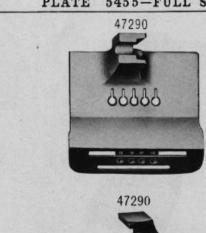
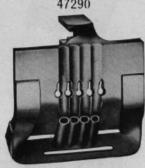


PLATE 5455-FULL SIZE





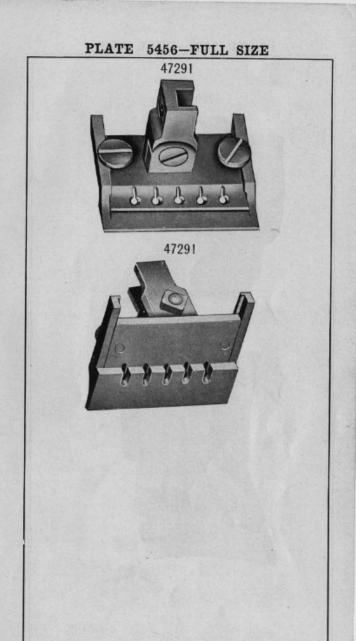
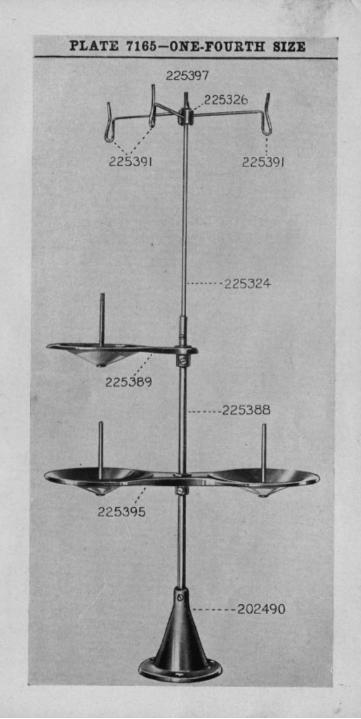
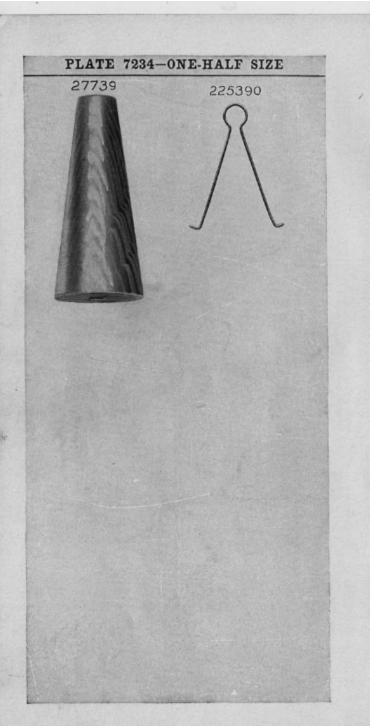


PLATE 5463-FULL SIZE





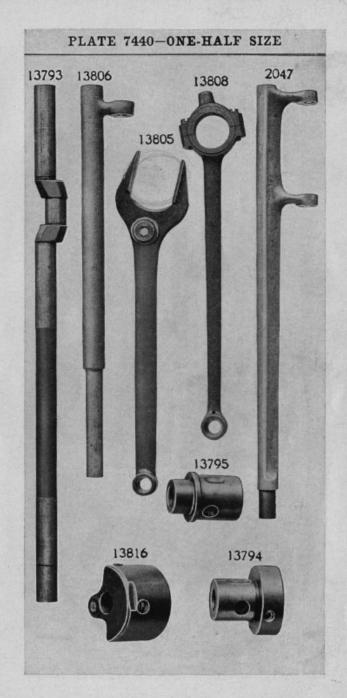


PLATE 7441-ONE-HALF SIZE 2058 13799 13811 13581

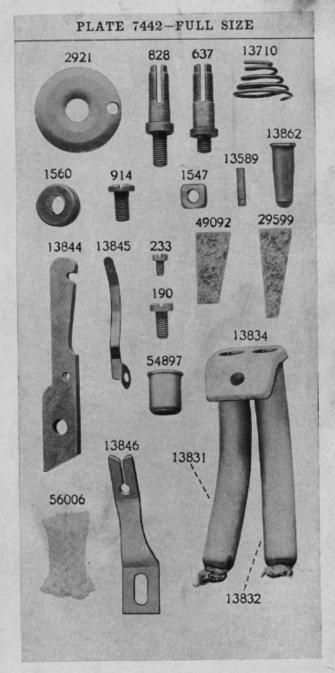


PLATE 7447-ONE-HALF SIZE

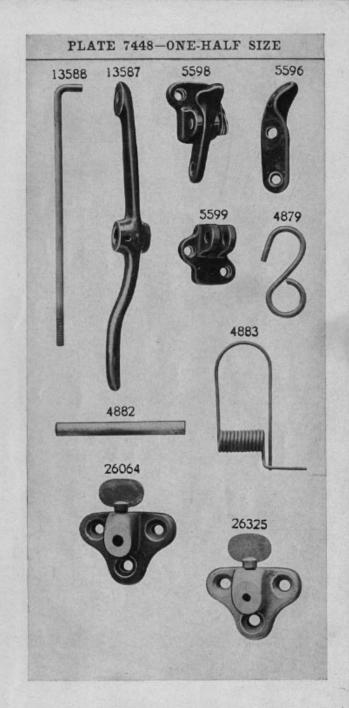


PLATE 7449-FULL SIZE

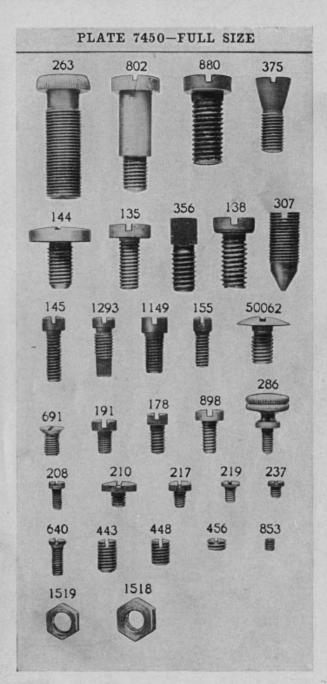


PLATE 7458-ONE-HALF SIZE

PLATE 7462-ONE-HALF SIZE

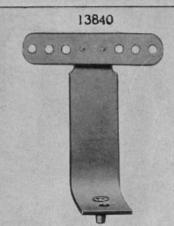


PLATE 7463 -FULL SIZE 2269 225393

PLATE 7464-ONE-HALF SIZE

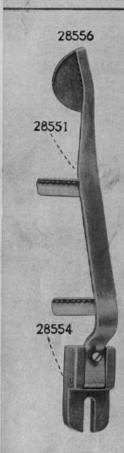


PLATE 7465-FULL SIZE

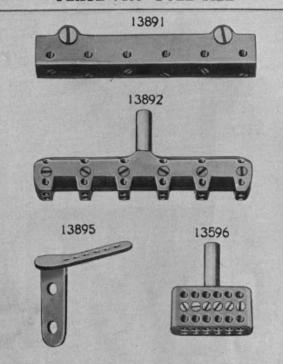


PLATE 7466-ONE-HALF SIZE



PLATE 7480-FULL SIZE

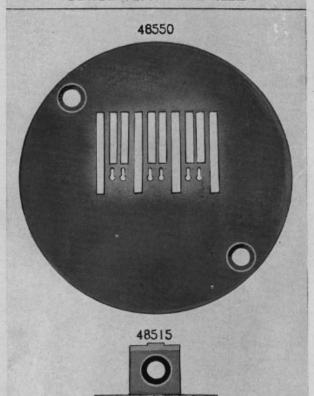
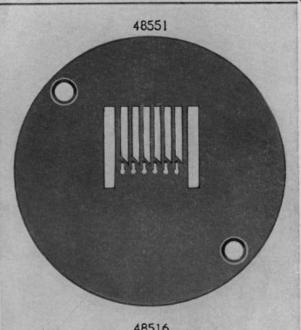


PLATE 7481-FULL SIZE



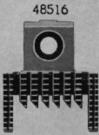


PLATE 7502-FULL SIZE

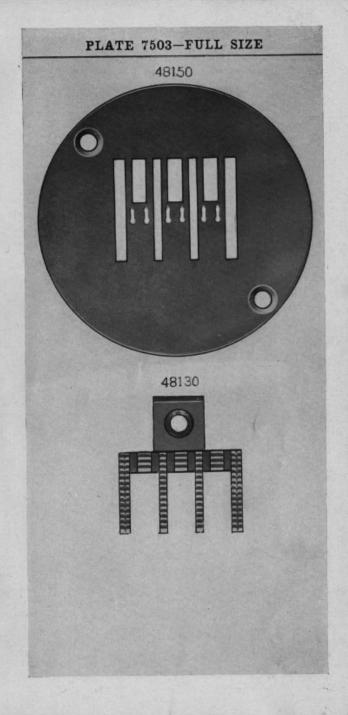
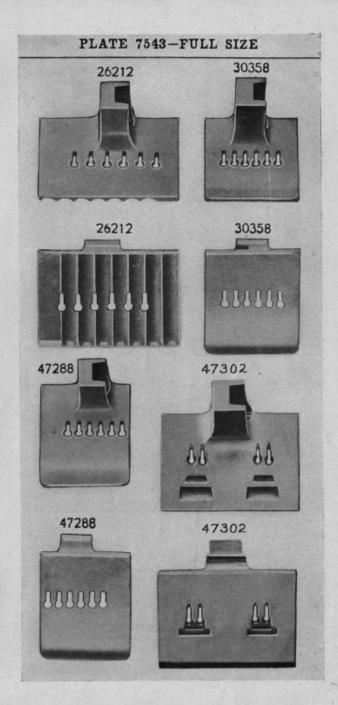


PLATE 7504-FULL SIZE



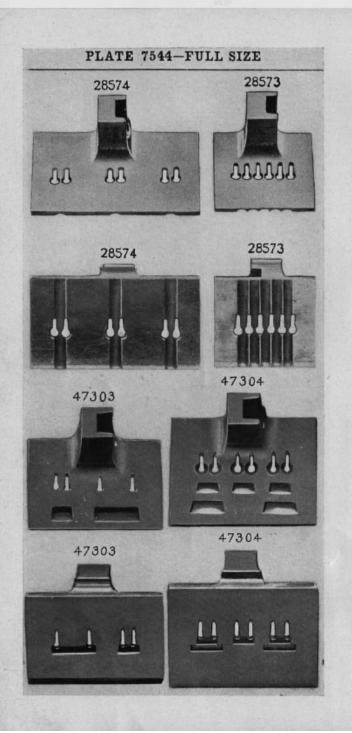
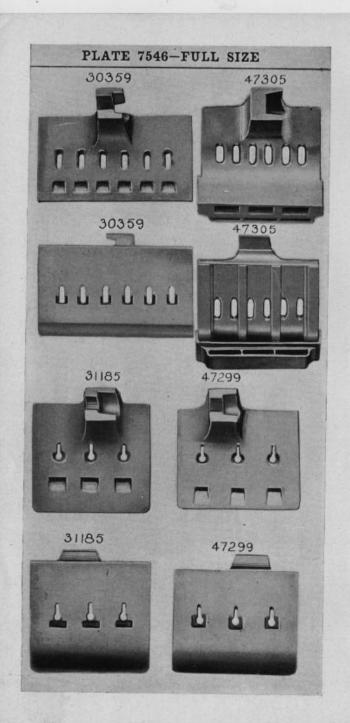


PLATE 7545-FULL SIZE 31179 ddddd 31179



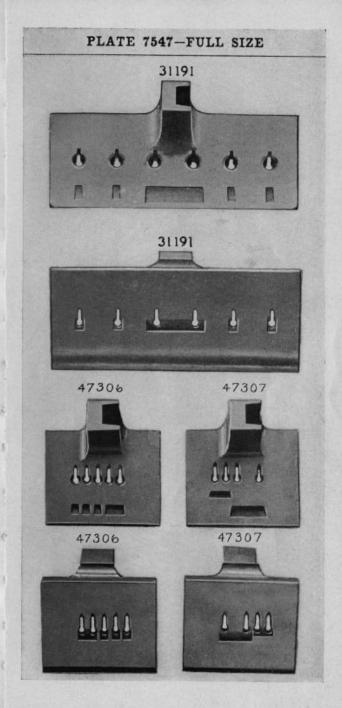
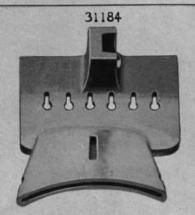


PLATE 7548-FULL SIZE



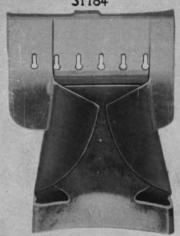
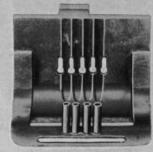


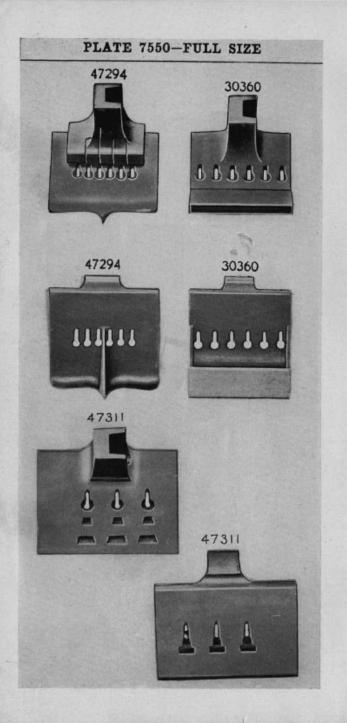
PLATE 7549-FULL SIZE

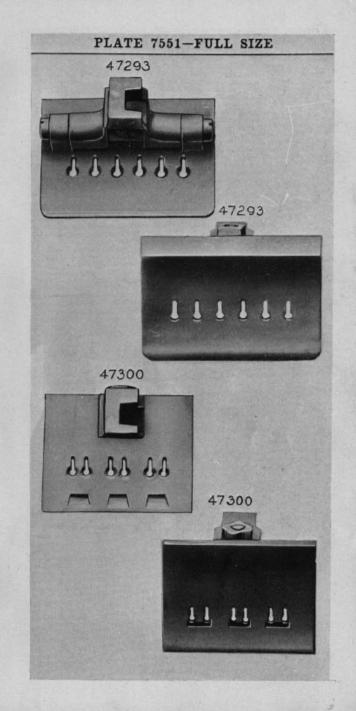


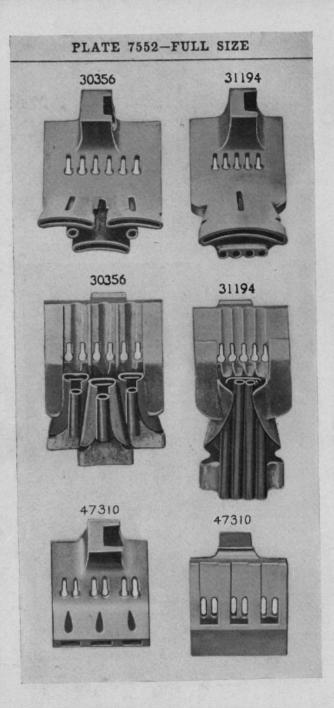












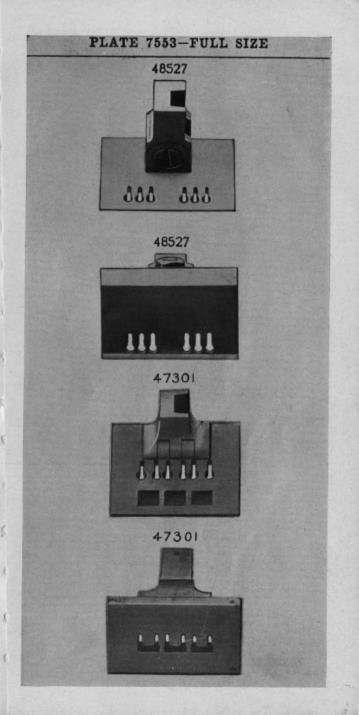


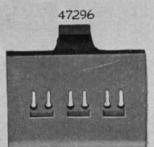
PLATE 7554-FULL SIZE











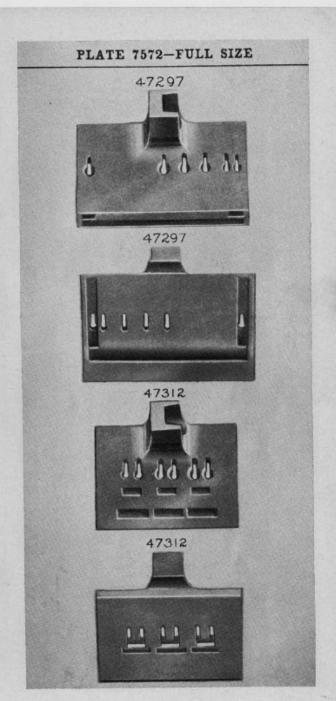


PLATE 7577-FULL SIZE





PLATE 7584-FULL SIZE





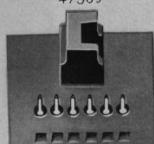
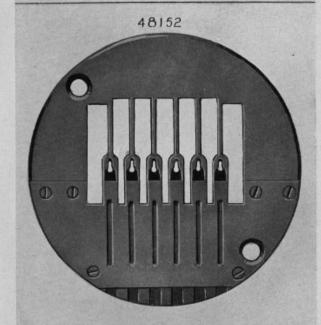


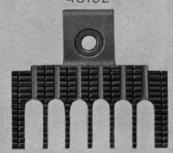


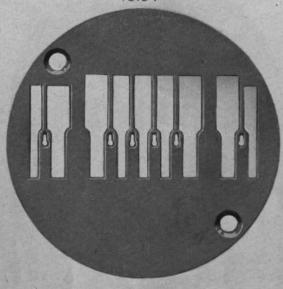
PLATE 7609-FULL SIZE 48153 48122

PLATE 7610-FULL SIZE









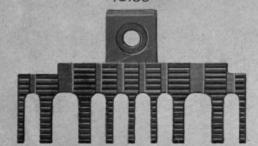
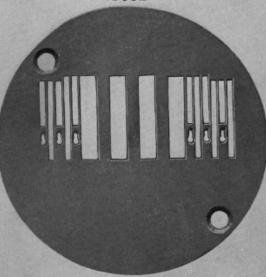


PLATE 7613-FULL SIZE



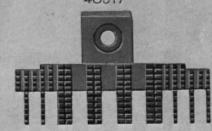
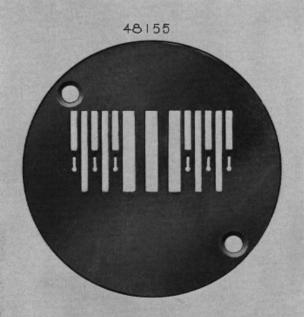


PLATE 8700-FULL SIZE



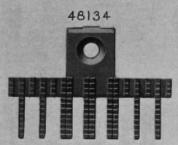
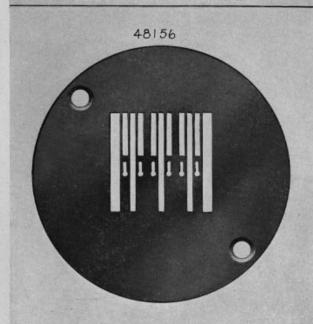


PLATE 8701-FULL SIZE



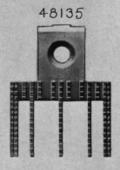


PLATE 8722-FULL SIZE

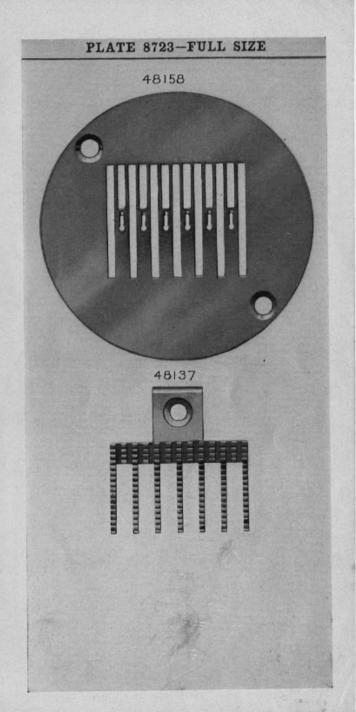


PLATE 8738-FULL SIZE

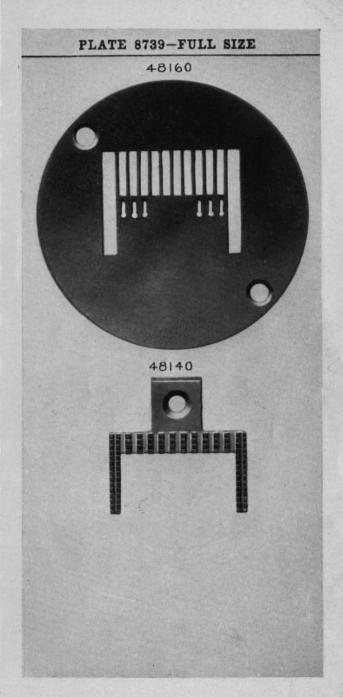
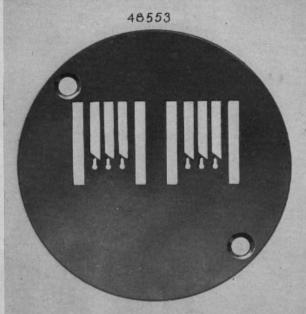


PLATE 8744-FULL SIZE





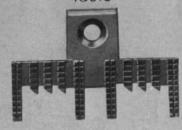


PLATE 8745-FULL SIZE

