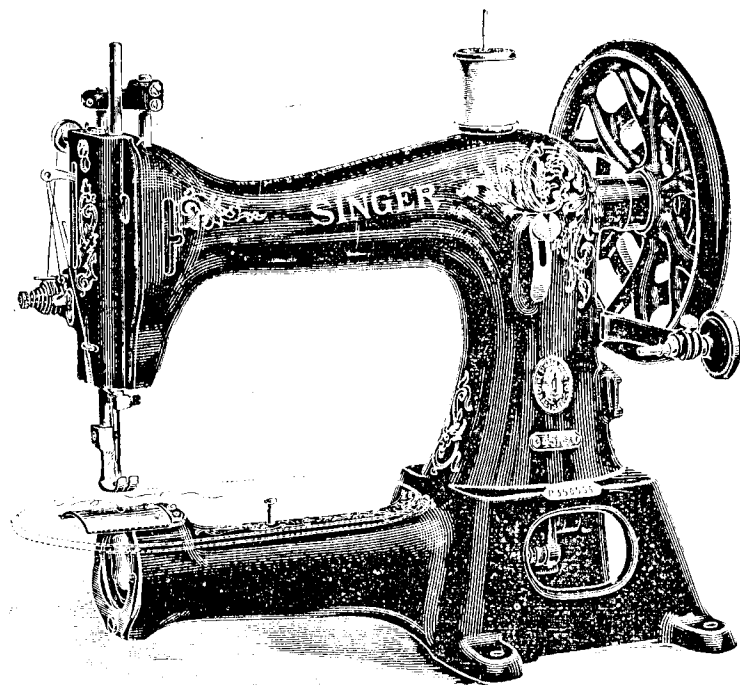


SINGER

45K48

PRICE LIST OF PARTS COMPLETE



MACHINE
NO. 45 K 48

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THE SINGER MANUFACTURING COMPANY

LIST OF PARTS **FOR** **No. 45 K 48 MACHINE**

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

The number stamped on Sewing Machine parts is in every case the number of the single part only.

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

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

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

- A. Hardened, Polished and Plated.
- B. Polished and Plated.
- C. Hardened only.
- D. Polished only.
- E. Soft, not Polished.

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 are Screw Numbers
- 1501 " 1800 " Nut Numbers
- 1801 " 2000 " Roller Numbers
- 2001 and upward are numbers of Machine Parts

The prefix SS indicates Singer Screw Numbers.

" " NN " " Nut "

" " RR " " Roller "

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.

PRICE LIST OF PARTS COMPLETE **FOR** **No. 45 K 48 MACHINE**

**DROP FEED, CYLINDER BED, NEEDLE BAR LINK, LIFTING PRESSER AND
WORK PLATE, FOR DARNING BAGS**

NO.	PAGE	NAME	EACH
*91441	—	Arm with 446c, 450c, 82399, 82499 and 91441.....	\$ —
858c	22	" Dowel Pin.....	02
118E	26	" Screw.....	08
91408	21	" Shaft.....	3 50
82499	23	" " Bushing (back).....	35
446c	26	" " " " Set Screw.....	03
82399	—	" " " (front).....	50
82400	—	" " Oil Tube.....	02
141D	26	" " Screw.....	08
82402	20	" Side Cover.....	35
286D	26	" " " Thumb Screw.....	10
82403	28	" Spool Pin.....	05
82401	21	Balance Wheel (two speed) with two 434C.....	2 60

NOTE.—No. 82404 is supplied with this machine unless other balance wheel is specified on order.

91002	—	Balance Wheel (two speed, heavy) with two 434C.....	3 50
434c	26	" " Set Screw.....	04
*91445	—	Bed (cylinder) with 423c and 91442.....	1 60
91317	20	Crank Connecting Rod with 91005 and two 158E.....	1 20
*91005	—	" " " Cap.....	—
158E	26	" " " Screw.....	03
SS313c	29	" " " Hinge Screw.....	18
448c	—	" " " " Set Screw.....	03
91233	19	Face Plate.....	1 75
91234	—	Face Plate complete, Nos. 233D, 446c, SS 50D, 82449, 82450, 82455, 82502, 82503, 82524, 82525 and 91233 ..	3 40
SS45D	26	Face Plate Screw.....	05
3032	30	Feed Cam with 446c.....	30
446c	26	" " Set Screw.....	03
3033	29	" Connecting Link.....	20
375c	22	" " " Hinge Screw.....	12
1518E	24	" " " " " Nut.....	04

NO.	PAGE	NAME	EACH
91651		Presser Bar (with squared end)	70 \$1.75
701C	30	" " Carrier.....	3 50
91161	20	" " Screw.....	04
375C	22	" " " Hinge Screw.....	1 75
1518E	24	" " " " " Nut.....	12
82414	23	" " " " " Regulator.....	04
1128E	30	" " " " " Hinge Screw.....	70
SS115D	23	" " " " " Thumb Screw.....	12
91162	—	" " " " " Rock Shaft.....	15
91163	20	" " " " " 91162 with 91165 and 91166.....	1 50
91164	—	" " " " " 91163 with 91167.....	6 00
91165	29	" " " " " Carrier Slide with 444C.....	7 00
444C	24	" " " " " " Set Screw.....	34
91166	—	" " " " " " Steady Pin.....	03
91167	30	" " " " " Crank with 448C.....	03
448C	—	" " " " " " Set Screw.....	90
91411	—	" " " " " Lifting Presser Plunger.....	03
91412	29	" " " " " 91411 with 80557 and 80558.....	1 55
80557	25	" " " " " Roller.....	1 60
80558	25	" " " " " " Pin.....	05
91238	—	" " " " " Yoke.....	01
91239	22	" " " " " 91238 with three 149C.....	70
149C	—	" " " " " " Clamping Screw.....	90
80765	25	" " " " " " Pin.....	06
149C	—	" " " " " " Set Screw.....	01
91021	20	" " " " " Needle Bar.....	06
91441	32	" " " " " Bushing.....	1 40
450C	—	" " " " " " Set Screw.....	20
91022	25	" " " " " Connection with two 158D.....	02
158D	26	" " " " " " Clamping Screw.....	1 25
91240	24	" " " " " Link.....	03
375C	22	" " " " " " Hinge Screw.....	45
1518E	24	" " " " " " " Nut.....	12
82520	31	" " " " " " Clamp.....	01
82522	—	" " " " " 82520 with 156C, 226D and 82521.....	45
156C	26	" " " " " " Screw.....	60
82521	31	" " " " " " Thread Eyelet.....	05
226D	—	" " " " " " " Screw.....	05
91241	29	" " " " " Oil Hole Plug (wood) large.....	02
91242	29	" " " " " " medium.....	03
91243	29	" " " " " " small.....	03
91440	32	" " " " " Oscillating Rock Shaft with two each 91025 and 91026.....	2 03
6489	26	" " " " " " Hinge Pin.....	2 60
1513C	24	" " " " " " " Nut.....	50
926C	26	" " " " " " " Screw Bearing.....	05
1513C	24	" " " " " " " " Nut.....	10

NO.	PAGE	NAME	EACH
91025	27	Oscillating Rock Shaft Steel Plate.....	\$ 10
91026	27	" " " " " Rivet.....	02
91171	20	" " " " " Shuttle Shaft.....	1 80
91429		Shuttle Race, obsolete	2 80
423C	—	" " " " " " Set Screw.....	25
91472		Shuttle Race Ring	1 20
11663	29	" " " " " " Pin.....	1 850
1850	—	" " " " " " Roller and Stud.....	01
453C	26	" " " " " " " Set Screw.....	25
91244		Obsolete, use 91651 70 (squared end).....	02
91247	24	" " " " " Automatic Thread Controller.....	1 10
219D	26	" " " " " " " Screw.....	05
91438	31	" " " " " Lifter.....	02
SS186D	30	" " " " " Hinge Screw.....	50
1518E	24	" " " " " " " Nut.....	90
91245	22	" " " " " Lifting Bracket with 446C.....	04
3093	25	" " " " " " Pin.....	90
446C	26	" " " " " " Set Screw.....	03
SS326E	31	" " " " " Screw Bushing.....	03
91414	27	" " " " " Spring.....	10
91249	24	" " " " " Foot.....	80
SS329D	—	" " " " " " Screw.....	1 10
1547C	30	" " " " " " Nut.....	03
91040	25	Shuttle Bobbin.....	03
91041	25	" " " " " Cylinder.....	12
91042	27	" " " " " Hinge Pin.....	25
91043	25	" " " " " Latch Spring.....	1 03
233D	26	" " " " " " " Screw.....	20
91178	25	" " " " " Frame.....	1 02
91045	25	" " " " " Tension Spring.....	1 03
SS46C	30	" " " " " Adjusting Screw.....	3 30
91179	25	Shuttle (cylinder) 2 1/2 in. diam., complete, Nos. 233D, SS46C, 91040 to 91043, 91045 and 91178.....	3 50
91250	—	Shuttle Driver.....	3 50
91251	—	" " " " " Thread Guard.....	45
223D	—	" " " " " " " Screw.....	2 03
91252	27	Shuttle Driver complete, Nos. 91250, 91251 and two 223D.....	2 25
91443	33	" " " " " Race (cast iron).....	2 25
91315	23	" " " " " Cap Spring.....	2 25
SS218	30	" " " " " " " Screw.....	10 12
91409	31	" " " " " Cover.....	35
SS318	33	" " " " " Position Screw Stud.....	1 12
91480		Obsolete, use 91472 1 20.....	1 60
SS317	31	Tension Screw Stud.....	18 50
1560D	24	" " " " " Regulating Thumb Nut.....	04
446C	26	" " " " " " Set Screw.....	03
82445	27	" " " " " Spring.....	15

NO.	PAGE	NAME	EACH
82446	30	Tension Washer (felt).....	\$ 01
82447	30	" " (steel).....	01
82448	30	" Wheel.....	25
82502	30	Tension complete, Nos. SS317, 1560D, 82445, 82448 and two each 82446 and 82447.....	55
82524	31	Thread Controlling Lever.....	18
82525	31	" " " Spring.....	18
82455	25	" " " Stop Pin.....	03
82450	27	" Eyelet.....	10
SS50D	26	" " Screw.....	03
82449	27	" Guard.....	10
233D	26	" " Screw.....	02
2102	30	" Retainer Disc.....	05
413	26	" " Screw Stud.....	10
1560D	24	" " " " Regulating Thumb Nut.....	04
2103	27	" " Spring.....	03
82503	30	Thread Retainer complete, Nos. 413, 1560D, 2103 and two 2102.....	40
91407	--	Thread Take-up Cam with 1065C and SS320C.....	5 25
91413	24	" " " 91407 with 91255 and two 704E.....	5 50
91255	24	" " " Lifting Cam.....	04
704E	30	" " " " " Screw.....	04
SS320C	--	" " " Set Screw.....	07
1065C	--	" " " Timing Screw.....	10
91257	22	" " Lever.....	18
91258	--	" " " 91257 with 1519E and RR24.....	1 40
SS22D	26	" " " Hinge Screw.....	05
RR24	24	" " " Roller and Screw Stud.....	20
1519E	24	" " " " " " Nut.....	03
91331	23	Throat Plate for 91425, for patching.....	1 15
91260	25	" " " " darning.....	5 15
231D	24	" " Oil Hole Screw.....	03
91261	--	Work Plate.....	1 75
SS39	26	" " Screw.....	05

ACCESSORIES

NO.	PAGE	NAME	EACH
938E		Bolt with 1524E.....	\$ 03
1524E	--	" Nut.....	02
6055	--	" Washer.....	01
86161	--	Oil with 86162.....	18
86162	--	" Spout.....	05
11831	--	Screw Driver (large).....	20
25538	--	" " (shuttle tension).....	05
4317	21	Wrench for 1513 and 1518.....	15
8908	21	" " 1519.....	08
80107	--	" " 1547.....	06
91417	29	" " SS326.....	10

BOBBIN WINDERS

BOBBIN WINDER (Friction)

FOR FAST WHEEL MACHINE

NO.	PAGE	NAME	EACH
82527	34	Bracket.....	\$ 35
SS56D	26	" Screw.....	03
82528	34	Frame.....	25
91447	34	Frame complete, Nos. 333D, 5960, 5961, 5963, 82528 and 91446.....	90
32D	--	Frame Hinge Screw.....	10
5960	28	Friction Wheel (leather).....	10
5961	28	" " Washer.....	05
333D	28	" " " Screw.....	04
91446	34	Spindle with 15072.....	25
15072	--	" Bobbin Position Pin..... per 100	10
5963	28	" Flange.....	06
82529	34	Spring.....	05
180	26	" Screw.....	03
91448	--	Bobbin Winder complete, Nos. 32D, 180, 82527, 82529 and 91447.....	1 45

BOBBIN WINDER (Friction)

FOR MACHINE WITH S. D. A.

This Bobbin Winder is the same as No. 91448 with the following exceptions:

NO.	PAGE	NAME	EACH
91433	34	Bracket, in place of 82527.....	\$ 35
91427	--	Bobbin Winder complete, Nos. 32D, 180, 82529, 91433 and 91447.....	1 45

BOBBIN WINDER (Swinging Automatic, Right Hand)

FOR NO. 91040

NO.	PAGE	NAME	EACH
84104	—	Base.....	\$ 30
27302	—	Frame.....	15
32D	—	" Hinge Screw.....	10
27303	—	" Spring.....	03
27304	—	Pulley.....	15
84119	—	Spindle.....	35
27306	—	Spool Pin.....	05
27307	—	" Stand.....	10
27308	—	" " 27307 with 418D, 1562D, 2106, 10141, 27306, wood screw 1 in. No. 10 and two 2455.....	35
84120	—	Stop Latch.....	18
35D	—	" " Hinge Screw.....	07
2455	—	Tension Disc.....	02
1562D	—	" Regulating Thumb Nut.....	04
418D	—	" Screw Stud.....	08
10141	—	" Spring.....	01
2106	—	Thread Guide.....	01
84121	—	Bobbin Winder, Nos. 32D, 35D, 27302 to 27304, 84104, 84119 and 84120.....	1 40
84122	—	Bobbin Winder (swinging automatic, right hand) complete, Nos. 27308 and 84121.....	1 90

FOOT LIFTER

NO.	PAGE	NAME	EACH
80655	—	Arm Lever.....	\$ 30
694D	21	" " Hinge Screw.....	15
91457	35	Foot Lever with 176C.....	1 00
91459	35	" " Bracket.....	25
17881	35	" " Hinge Pin.....	05
91458	35	" " Extension.....	35
176C	26	" " Set Screw.....	03
17882	35	" " Spring.....	10
91454	—	Foot Lever complete, Nos. 17881, 17882, 91457 to 91459 and two wood screws 1 1/4 in. No. 15.....	1 90
91453	35	Foot Lever Pitman Connecting Hook (7 in. long).....	10
17877	35	" " " Rod (lower).....	10
17878	35	" " " " (upper).....	10
17879	35	" " " " Clamp with two 161D.....	20
161D	26	" " " " Screw.....	04
17880	35	Foot Lever Pitman Rod complete, Nos. 17877 to 17879.....	40
91455	—	Foot Lever complete, Nos. 17880 and 91454.....	2 45
91456	—	Foot Lifter complete, Nos. 694D, 80655, 91453 and 91455.....	3 15

DRIVING ATTACHMENT

NO.	PAGE	NAME	EACH
91292	21	Balance Wheel with 434C, 451C and 91295.....	\$1 75
91293	21	" " Friction Pulley (two speed) with 446C and 91294.....	90
91294	21	Balance Wheel Friction Pulley Centre Bearing.....	18
91295	—	" " " " Ring (leather).....	03
446C	26	" " " " Set Screw.....	03
434C	26	" " " " Set Screw (long).....	04
451C	—	" " " " (short).....	03
91301	21	Lever with 91306 and 91308.....	90
91302	21	" Bracket.....	35
SS38C	21	" " Screw.....	05
91303	21	" Centre Plug (wood).....	01
427	21	" " " " Adjusting Screw.....	08
1508	21	" " " " " Nut.....	06
91306	—	" Friction Pad (leather).....	03
693D	21	" Hinge Screw.....	40
NN28E	21	" " " " Nut.....	12
91307	27	" Spring.....	12
161C	26	" " " " Screw.....	04
91308	—	" " " " Pin.....	01
91309	—	Lever complete, Nos. 161C, 427, SS38C, 1508, 91301 to 91303 and 91307.....	1 65
27070	—	Shaft Driving Pulley (sectional, grooved) 10 in. diam., 1 3/16 in. bore, with two 597C.....	45
597C	—	Shaft Driving Pulley Clamping Screw.....	08
91296	35	Starting Lever.....	30
91299	35	" " 91296 with 91297, 91298 and three wood screws 1 1/4 in. No. 15.....	35
91297	35	Starting Lever Bracket.....	12
91298	—	" " " " Hinge Pin.....	01
17877	35	" " " " Pitman Rod (lower).....	10
17878	35	" " " " " (upper).....	10
17879	35	" " " " " Clamp with two 161D.....	20
161D	26	" " " " " Screw.....	04
17880	35	Starting Lever Pitman Rod complete, Nos. 17877 to 17879.....	40
91460	—	Starting Lever and Pitman complete, Nos. 17880 and 91299.....	95
91310	—	Driving Attachment complete, Nos. 693D, NN28E, 27070, 91292, 91293, 91309 and 91460.....	5 25

NUMERICAL LIST

NO.	PAGE	NAME	EACH
SS 22D	26	Thread Take-up Lever Hinge Screw.....	\$ 05
RR 24	24	" " " Roller and Screw Stud for 91258.....	12
NN 28E	21	Driving Attachment Lever Hinge Screw Nut for 91310.....	12
32D	—	Bobbin Winder Frame Hinge Screw for 84121, 91427 and 91448.....	10
35D	—	Bobbin Winder Stop Latch Hinge Screw for 84121.....	07
SS 38C	21	Driving Attachment Lever Bracket Screw for 91309.....	05
SS 39	26	Work Plate Screw.....	05
SS 45D	26	Face Plate Screw.....	05
SS 46C	30	Shuttle Tension Spring Adjusting Screw for 91179.....	03
SS 50D	26	Thread Eyelet Screw for 91234.....	03
SS 56D	26	Bobbin Winder Bracket Screw for 91427 and 91448.....	03
SS 115D	23	Feed Regulator Thumb Screw.....	15
118E	26	Arm Screw.....	08
144D	26	" Shaft Screw.....	08
149C	—	Lifting Presser Plunger Yoke Clamping Screw for 91239 ..	06
149C	—	" " " Set Screw for 91239.....	06
156C	26	Needle Clamp Screw for 82522.....	05
158E	26	Crank Connecting Rod Cap Screw for 91317.....	03
158D	26	Needle Bar Connection Clamping Screw for 91022.....	03
161C	26	Driving Attachment Lever Spring Screw for 91309.....	04
161D	26	" " Starting Lever Pitman Rod Clamp Screw for 17879.....	04
161D	26	Foot Lifter Foot Lever Pitman Rod Clamp Screw for 17879 ..	04
176C	26	" " " Extension Set Screw for 91457.....	03
180	26	Bobbin Winder Spring Screw for 91427 and 91448.....	03
SS 186D	30	Presser Bar Lifter Hinge Screw.....	02
SS 218	30	Shuttle Race Cap Spring Screw.....	02
219D	26	Presser Bar Automatic Thread Controller Screw.....	02
223D	—	Shuttle Driver Thread Guard Screw for 91252.....	02
226D	—	Needle Clamp Thread Eyelet Screw for 82522.....	02
231D	24	Throat Plate Oil Hole Screw.....	03
233D	26	Shuttle Cylinder Latch Spring Screw for 91179.....	02
233D	26	Thread Guard Screw for 91234.....	02
286D	26	Arm Side Cover Thumb Screw.....	10
SS 313C	29	Crank Connecting Rod Hinge Screw.....	18
SS 317	31	Tension Screw Stud for 82502.....	12
SS 318	33	Shuttle Race Position Screw Stud.....	12
SS 320C	—	Thread Take-up Cam Set Screw for 91407.....	07
SS 326E	31	Presser Bar Screw Bushing.....	03
SS 329D	—	" Foot Screw.....	03
333D	28	Bobbin Winder Friction Wheel Washer Screw for 91447.....	04
375C	22	Feed Connecting Link Hinge Screw.....	12
375C	22	" Forked Connection Hinge Screw.....	12
375C	22	Needle Bar Connection Link Hinge Screw.....	12

NUMERICAL LIST

NO.	PAGE	NAME	EACH
413	26	Thread Retainer Screw Stud for 82503.....	\$ 10
418D	—	Bobbin Winder Tension Screw Stud for 27308.....	08
423C	—	Oscillating Shuttle Shaft Bushing Set Screw for 91445.....	05
427	21	Driving Attachment Lever Centre Plug Adjusting Screw for 91309.....	08
434C	26	Balance Wheel Set Screw for 82404 and 91002.....	04
434C	26	Driving Attachment Balance Wheel Set Screw (long) for 91292.....	04
444C	24	Feed Rock Shaft Carrier Slide Set Screw for 91165.....	03
446C	26	Arm Shaft Bushing (back) Set Screw for 91444.....	03
446C	26	Driving Attachment Balance Wheel Friction Pulley Set Screw for 91293.....	03
446C	26	Feed Cam Set Screw for 3032.....	03
446C	26	Presser Bar Lifting Bracket Set Screw for 91245.....	03
446C	26	Tension Screw Stud Set Screw for 91234.....	03
448C	—	Crank Connecting Rod Hinge Screw Set Screw.....	03
448C	—	Feed Rock Shaft Crank Set Screw for 91167.....	03
450C	—	Needle Bar Bushing Set Screw for 91444.....	02
451C	—	Driving Attachment Balance Wheel Set Screw (short) for 91292.....	03
453C	26	Oscillating Shuttle Shaft Crank Set Screw for 91172.....	02
597C	—	Driving Attachment Shaft Driving Pulley Clamping Screw for 27070.....	08
693D	21	Driving Attachment Lever Hinge Screw for 91310.....	40
694D	21	Foot Lifter Arm Lever Hinge Screw for 91456.....	15
704C	30	Feed Dog Screw.....	04
704C	30	Thread Take-up Cam Lifting Cam Screw for 91413.....	04
926C	26	Oscillating Rock Shaft Hinge Pin Screw Bearing.....	10
938E	—	Bolt with 1524E (Accessories).....	03
1065C	—	Thread Take-up Cam Timing Screw for 91407.....	10
1128E	30	Feed Regulator Hinge Screw.....	12
1508	21	Driving Attachment Lever Centre Plug Adjusting Screw Nut for 91309.....	06
1513C	24	Oscillating Rock Shaft Hinge Pin Nut.....	05
1513C	24	" " " " " Screw Bearing Nut.....	05
1518E	24	Feed Connecting Link Hinge Screw Nut.....	04
1518E	24	" Forked Connection Hinge Screw Nut.....	04
1518E	24	Needle Bar Connection Link Hinge Screw Nut.....	04
1518E	24	Presser Bar Lifter Hinge Screw Nut.....	04
1519E	24	Thread Take-up Lever Roller and Screw Stud Nut for 91258 ..	03
1524E	—	Bolt Nut for 938E (Accessories).....	02
1547C	30	Presser Foot Screw Nut.....	03
1560D	24	Tension Screw Stud Regulating Thumb Nut for 82502.....	04
1560D	24	Thread Retainer Screw Stud Regulating Thumb Nut for 82503.....	04
1562D	—	Bobbin Winder Tension Regulating Thumb Nut for 27308.....	04
1850	—	Oscillating Shuttle Shaft Crank Roller and Stud for 91172.....	25

NO.	PAGE	NAME	EACH
2102	30	Thread Retainer Disc for 82503.....	\$ 05
2103	27	" " Spring for 82503.....	03
2106	—	Bobbin Winder Thread Guide for 27308.....	01
2455	—	" " Tension Disc for 27308.....	02
3032	30	Feed Cam with 446c.....	30
3033	29	" Connecting Link.....	20
3093	25	Presser Bar Lifting Bracket Pin.....	03
4347	21	Wrench for 1513 and 1518 (Accessories).....	15
5960	28	Bobbin Winder Friction Wheel (leather) for 91447.....	10
5961	28	" " " " Washer for 91447.....	05
5963	28	" " Spindle Flange for 91447.....	06
6055	—	Bolt Washer (Accessories).....	01
6489	26	Oscillating Rock Shaft Hinge Pin.....	50
8582	22	Arm Dowel Pin.....	02
8908	21	Wrench for 1519 (Accessories).....	08
10141	—	Bobbin Winder Tension Spring for 27308.....	01
11663	29	Oscillating Shuttle Shaft Crank Pin.....	01
11831	—	Screw Driver, large (Accessories).....	20
15072	—	Bobbin Winder Spindle Bobbin Position Pin for 91446..per 100	10

Nos. 17877 TO 17879 FOR 17880

17877	35	Driving Attachment Starting Lever Pitman Rod (lower)...	10
17877	35	Foot Lifter Foot Lever Pitman Rod (lower).....	10
17878	35	Driving Attachment Starting Lever Pitman Rod (upper)...	10
17878	35	Foot Lifter Foot Lever Pitman Rod (upper).....	10
17879	35	Driving Attachment Starting Lever Pitman Rod Clamp with two 161D.....	20
17879	35	Foot Lifter Foot Lever Pitman Rod Clamp with two 161D.....	20
17880	35	Driving Attachment Starting Lever Pitman Rod complete for 91460, Nos. 17877 to 17879.....	40
17880	35	Foot Lifter Foot Lever Pitman Rod complete for 91455, Nos. 17877 to 17879.....	40
17881	35	Foot Lifter Foot Lever Bracket Hinge Pin for 91454.....	05
17882	35	" " " " Spring for 91454.....	10
25538	—	Screw Driver, shuttle tension (Accessories).....	05
27070	—	Driving Attachment Shaft Driving Pulley (sectional, grooved) 10 in. diam., 1 3/4 in. bore, with two 597c, for 91310.....	45

Nos. 27302 TO 27304 FOR 84121

27302	—	Bobbin Winder Frame.....	15
27303	—	" " " Spring.....	03
27304	—	" " Pulley.....	15
27306	—	" " Spool Pin for 27308.....	05
27307	—	" " Stand for 27308.....	10

NO.	PAGE	NAME	EACH
27308	—	Bobbin Winder Spool Stand 27307 with 418D, 1562D, 2106, 10141, 27306, wood screw 1 in. No. 10 and two 2455, for 84122.....	\$ 35
80107	—	Wrench for 1547 (Accessories).....	06
80557	25	Lifting Presser Plunger Roller for 91412.....	05
80558	25	" " " Pin for 91412.....	01
80655	—	Foot Lifter Arm Lever for 91456.....	30
80765	25	Lifting Presser Plunger Yoke Pin.....	01
82399	—	Arm Shaft Bushing (front) for 91444.....	50
82400	—	" " Oil Tube.....	02
82402	20	" Side Cover.....	35
82403	28	" Spool Pin.....	05
82404	21	Balance Wheel (two-speed) with two 434c.....	2 60
82414	23	Feed Regulator.....	70

Nos. 82445 TO 82448 FOR 82502

82445	27	Tension Spring.....	15
82446	30	" Washer (felt).....	01
82447	30	" " (steel).....	01
82448	30	" Wheel.....	25
82449	27	Thread Guard for 91234.....	10
82450	27	" Eyelet for 91234.....	10
82455	25	" Controlling Lever Stop Pin for 91234.....	03
82499	23	Arm Shaft Bushing (back) for 91444.....	35
82502	30	Tension complete for 91234, Nos. SS317, 1560D, 82445, 82448 and two each 82446 and 82447.....	55
82503	30	Thread Retainer complete for 91234, Nos. 413, 1560D, 2103 and two 2102.....	40
82520	31	Needle Clamp for 82522.....	45
82521	31	" " Thread Eyelet for 82522.....	05
82522	—	" " 82520 with 156c, 226D and 82521.....	60
82524	31	Thread Controlling Lever for 91234.....	18
82525	31	" " " Spring for 91234.....	18
82527	34	Bobbin Winder Bracket for 91448.....	35
82528	34	" " Frame for 91447.....	25
82529	34	" " Spring for 91427 and 91448.....	05
84104	—	" " Base for 84121.....	25
84119	—	" " Spindle for 84121.....	35
84120	—	" " Stop Latch for 84121.....	18
84121	—	" " Nos. 32D, 35D, 27302 to 27304, 84104, 84119 and 84120, for 84122.....	1 40
84122	—	Bobbin Winder (swinging automatic, right hand) complete for 91040, Nos. 27308 and 84121.....	1 90
86161	—	Oiler with 86162 (Accessories).....	18
86162	—	" Spout for 86161 (Accessories).....	05
91002	—	Balance Wheel (two-speed, heavy) with two 434c.....	3 50

NO.	PAGE	NAME	EACH
*91005	—	Crank Connecting Rod Cap for 91317.....	\$ 1.20
91021	20	Needle Bar	1 85
91022	25	" " Connection with two 158D.....	1 25
91025	27	Oscillating Rock Shaft Steel Plate for 91440.....	10
91026	27	" " " " Rivet for 91440.....	02

Nos. 91040 TO 91043 FOR 91179

91040	25	Shuttle Bobbin.....	.12
91041	25	" Cylinder.....	1 90
91042	27	" " Hinge Pin	03
91043	25	" " Latch Spring.....	20
91045	25	" Tension Spring for 91179.....	60.45
91160	27	Feed Dog Carrier.....	3 50
91161	20	" Forked Connection.....	1 75
91162	—	" Rock Shaft for 91163.....	1 50
91163	20	" " " 91162 with 91165 and 91166, for 91164....	6 00
91164	—	" " " 91163 with 91167.....	7 00
91165	29	" " " Carrier Slide with 444c, for 91163.....	1 75
91166	—	" " " " Steady Pin for 91163.....	03
91167	30	" " " Crank with 448c, for 91164.....	1 90
91171	20	Oscillating Shuttle Shaft.....	1 10
91172	29	" " " Crank with 453c and 1850.....	1 25
91178	25	Shuttle Frame for 91179.....	2 95
91179	25	Shuttle (cylinder) 2 1/2 in. diam., complete, Nos. 233D, SS 46c, 91040 to 91043, 91045 and 91178.....	3 50
91233	19	Face Plate for 91234.....	1 75
91234	—	Face Plate complete, Nos. 233D, 446c, SS 50D, 82449, 82450, 82455, 82502, 82503, 82524, 82525 and 91233....	3 40
91238	—	Lifting Presser Plunger Yoke for 91239.....	70
91239	22	" " " 91238 with three 149c	90
91240	24	Needle Bar Connection Link.....	45
91241	29	Oil Hole Plug (wood) large.....	03
91242	29	" " " " medium.....	03
91243	29	" " " " small.....	03
91244	22	Presser Bar (with squared end).....	1 00
91245	22	" " Lifting Bracket with 446c.....	90
91247	24	" " Automatic Thread Controller.....	30.05
91249	24	" Foot.....	1 00
91250	—	Shuttle Driver for 91252.....	3 50
91251	—	" " Thread Guard for 91252.....	45
91252	27	Shuttle Driver complete, Nos. 91250, 91251 and two 223D.....	4 50
91255	24	Thread Take-up Cam Lifting Cam for 91413.....	23.05
91257	22	" " Lever for 91258.....	51.05
91258	—	" " " 91257 with 1519B and RR 24	1 40
91260	25	Throat Plate, for darning	35 1 00
91261	—	Work Plate.....	1 75

NO.	PAGE	NAME	EACH
91292	21	Driving Attachment Balance Wheel with 434c, 451c and 91295, for 91310.....	\$1 75
91293	21	Driving Attachment Balance Wheel Friction Pulley (two- speed) with 446c and 91294, for 91310.....	90
91294	21	Driving Attachment Balance Wheel Friction Pulley Centre Bearing for 91293.....	18
91295	—	Driving Attachment Balance Wheel Friction Pulley Ring (leather) for 91292.....	03

Nos. 91296 TO 91298 FOR 91299

91296	35	Driving Attachment Starting Lever	30
91297	35	" " " " Bracket.....	12
91298	—	" " " " " Hinge Pin....	01
91299	35	" " " " 91296 with 91297, 91298 and three wood screws 1 1/4 in. No. 15, for 91460.....	35

Nos. 91301 TO 91303 FOR 91309

91301	21	Driving Attachment Lever with 91306 and 91308.....	90
91302	21	" " " Bracket.....	35
91303	21	" " " Centre Plug (wood).....	01
91306	—	" " " Friction Pad (leather) for 91301.....	03
91307	27	" " " Spring for 91309.....	12
91308	—	" " " Screw Pin for 91301.....	01
91309	—	Driving Attachment Lever complete for 91310, Nos. 161c, 427, SS 38c, 1508, 91301 to 91303 and 91307....	1 65
91310	—	Driving Attachment complete, Nos. 693D, NN 28E, 27070, 91292, 91293, 91309 and 91460.....	5 25
91315	23	Shuttle Race Cap Spring.....	25
91317	20	Crank Connecting Rod with 91005 and two 158E.....	1 90
91331	23	Throat Plate for 91425, for patching.....	1 15
91407	—	Thread Take-up Cam with 1065c and SS 320c, for 91413 ..	5 25
91408	21	Arm Shaft.....	3 50
91409	31	Shuttle Race Cover.....	35
91411	—	Lifting Presser Plunger for 91412.....	1 55
91412	29	" " " 91411 with 80557 and 80558.....	1 60
91413	24	Thread Take-up Cam 91407 with 91255 and two 704E....	5 50
91414	27	Presser Bar Spring.....	10
91417	29	Wrench for SS 326 (Accessories)	10
91425	31	Feed Dog.....	1 75
91427	—	Bobbin Winder (friction) complete for Machine with S. D. A Nos. 22B, 180, 80590, 91422 and 91447....	1 45
91429	—	Shuttle Race, obsolete.....	2 80
91433	34	Bobbin Winder Bracket for 91427.....	35
91438	31	Presser Bar Lifter.....	50

NUMERICAL LIST

NO.	PAGE	NAME	EACH
91440	32	Oscillating Rock Shaft with two each 91025 and 91026.....	\$8.65
91441	32	Needle Bar Bushing for 91444.....	20
91442	32	Oscillating Shuttle Shaft Bushing for 91445.....	25
91443	33	Shuttle Race (cast iron).....	2 25
*91444	—	Arm with 446c, 450c, 82399, 82499 and 91441.....	—
*91445	—	Bed (cylinder) with 423c and 91442.....	—
91446	34	Bobbin Winder Spindle with 15072, for 91447.....	25
91447	34	Bobbin Winder Frame complete for 91427 and 91448, Nos. 333D, 5960, 5961, 5963, 82528 and 91446.....	90
91448	—	Bobbin Winder (friction) complete for Fast Wheel Machine, Nos. 32D, 180, 82527, 82529 and 91447.....	1 45
91453	35	Foot Lifter Foot Lever Pitman Connecting Hook (7 in. long) for 91456.....	10
91454	—	Foot Lifter Foot Lever complete for 91455, Nos. 17881, 17882, 91457 to 91459 and two wood screws 1 1/4 in. No. 15.....	1 90
91455	—	Foot Lifter Foot Lever complete for 91456, Nos. 17880 and 91451.....	2 45
91456	—	Foot Lifter complete, Nos. 694D, 80655, 91453 and 91455.....	3 15
Nos. 91457 TO 91459 FOR 91454			
91457	35	Foot Lifter Foot Lever with 176c.....	1 00
91458	35	" " " " Extension.....	35
91459	35	" " " " Bracket.....	25
91460	—	Driving Attachment Starting Lever and Pitman complete for 91310, Nos. 17880 and 91299.....	95

91472 Shuttle Race Ring..... 1 20

91233

