SINGER 29K1 to K4,K10 to K18,K21 to K23,K30 to K33

ILLUSTRATED LIST OF PARTS

FOR NOS.

29K1 to 29K4

29K10 to 29K18

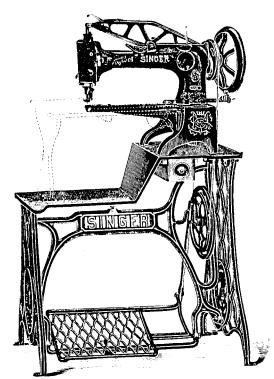
29K21 to 29K23

AND

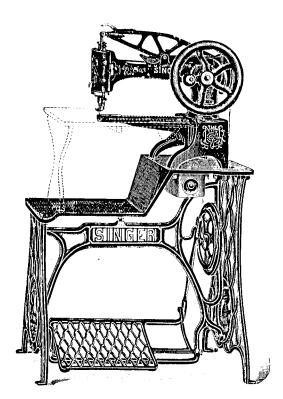
29K30 to 29K33

MACHINES.

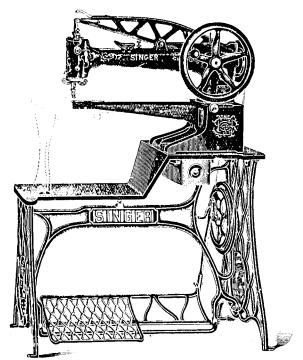
THE SINGER MANUFACTURING COMPANY.



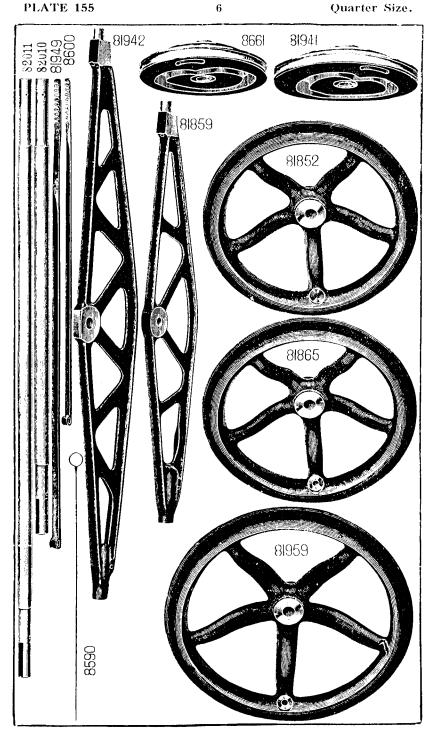
No. 29K1 MACHINE.

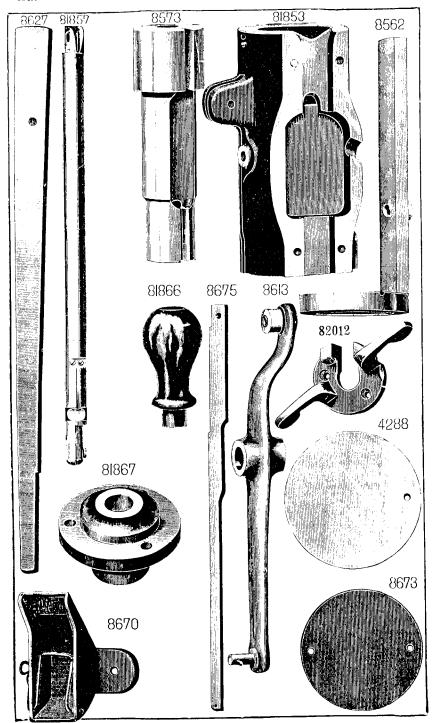


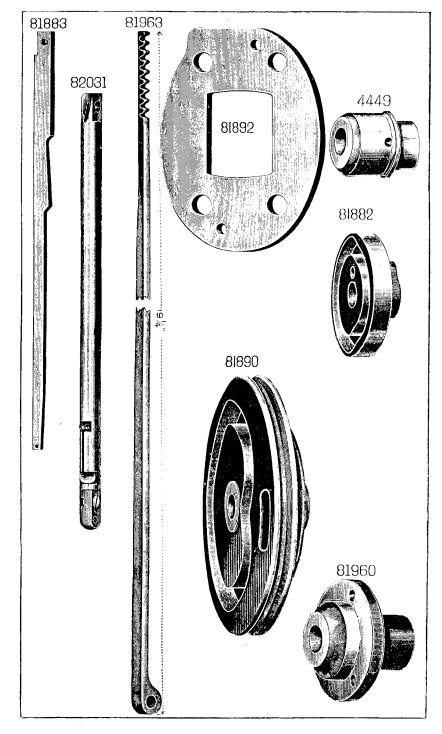
No. 29K2 MACHINE.



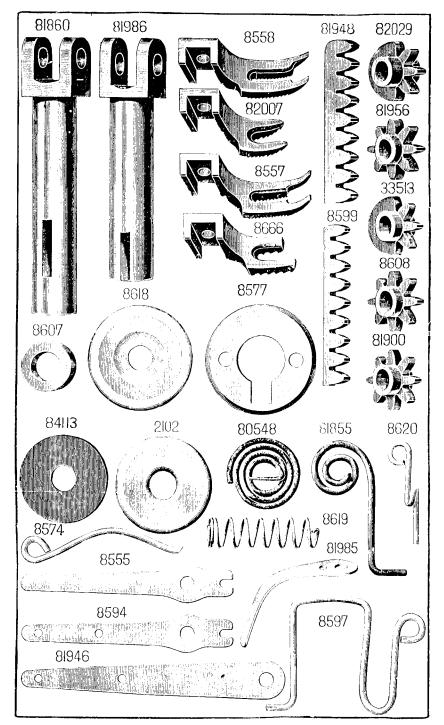
No. 29K31 MACHINE.

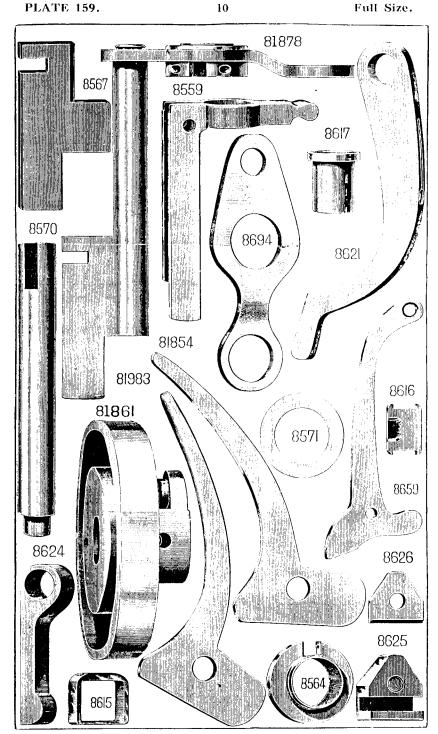


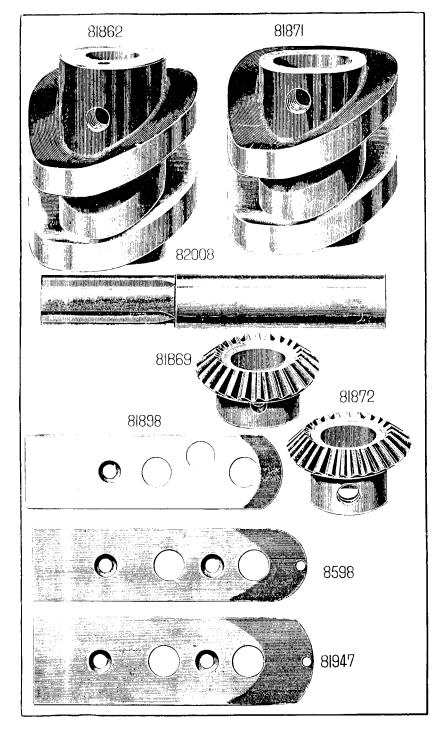


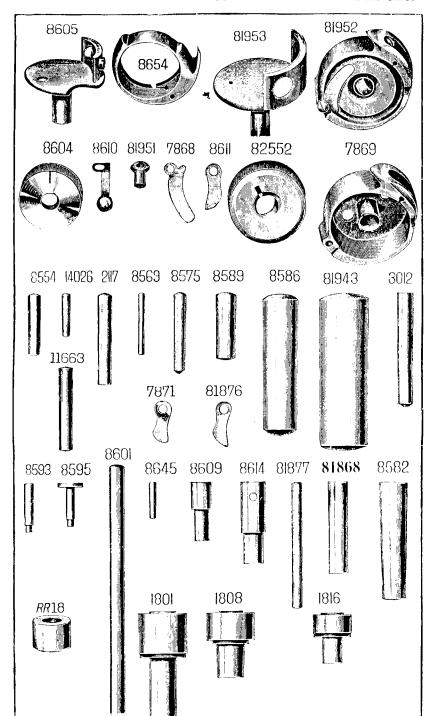


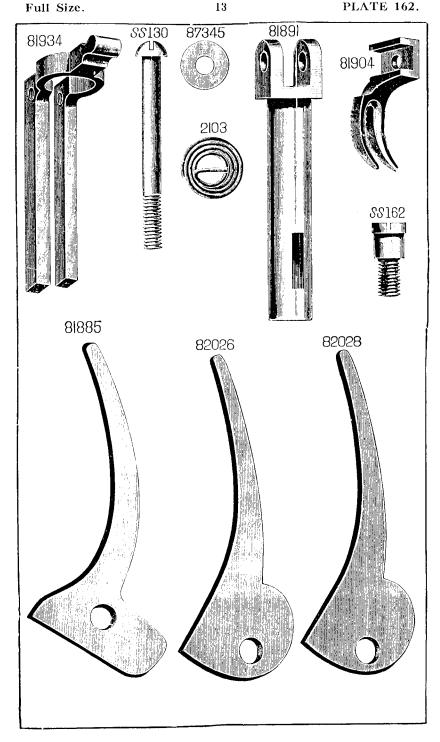
8

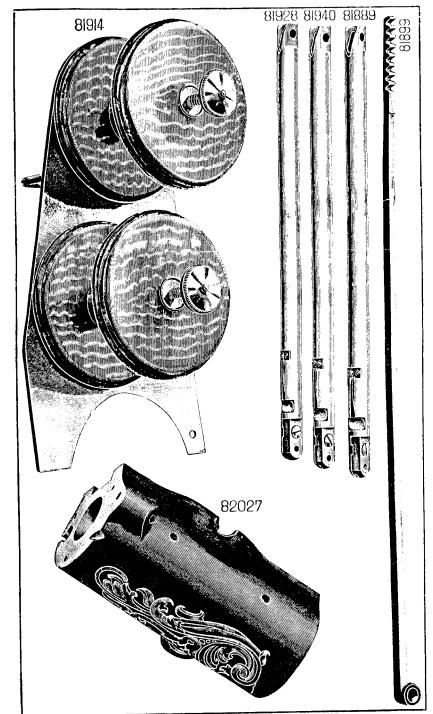


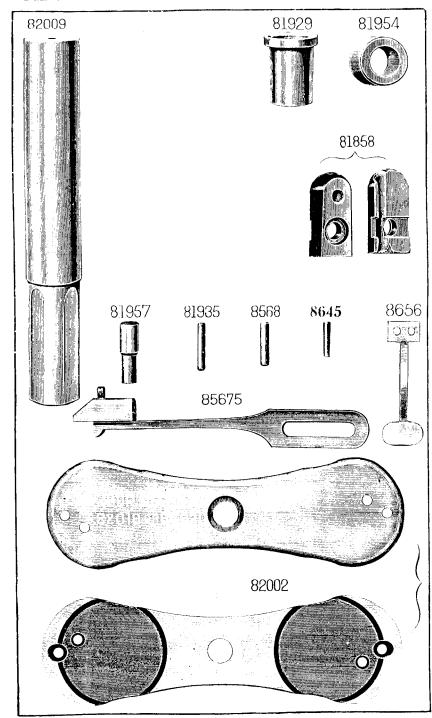




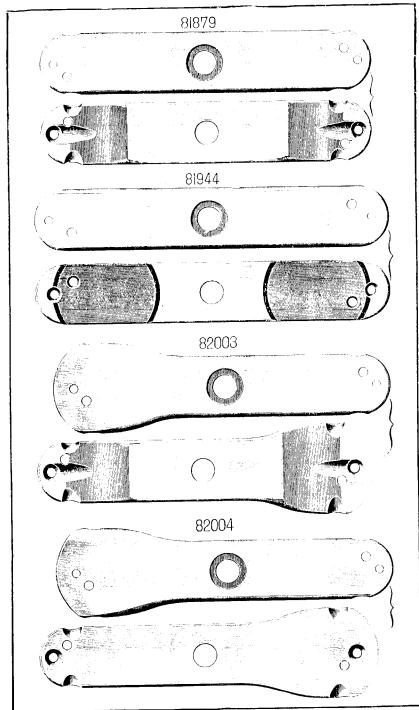


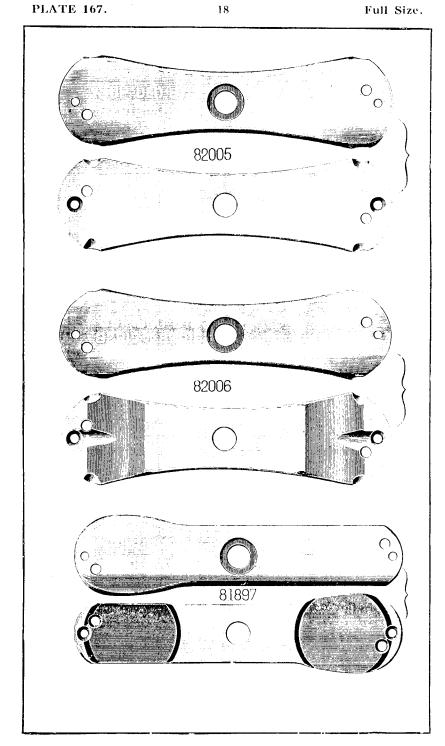


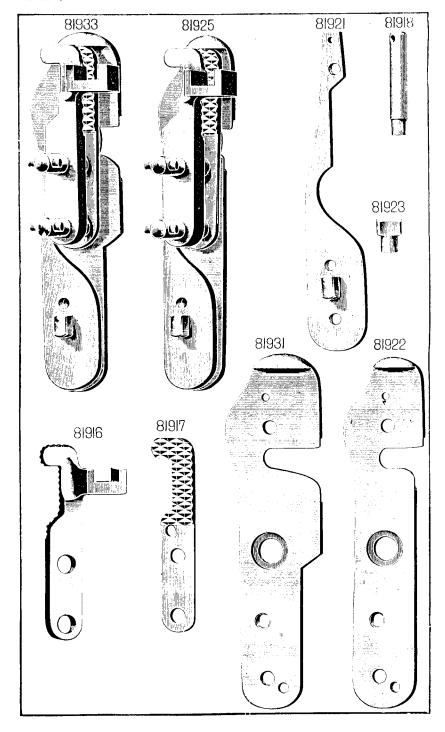


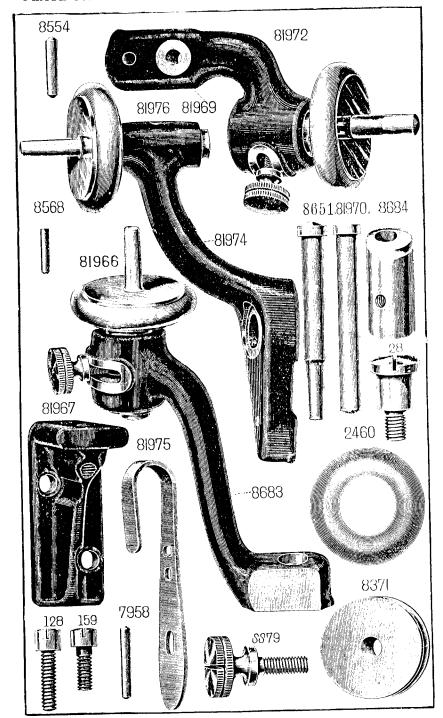


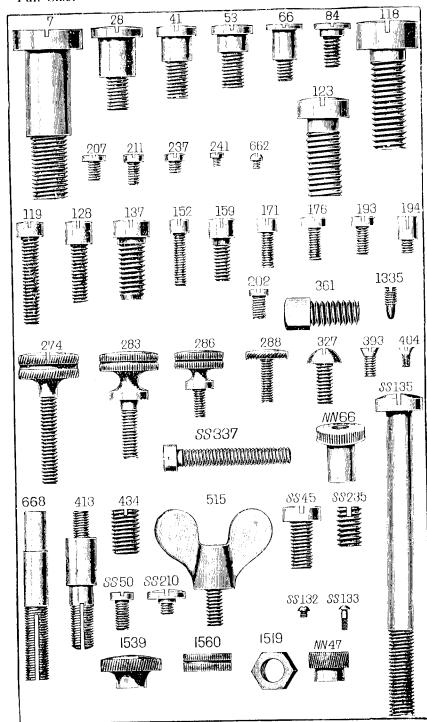


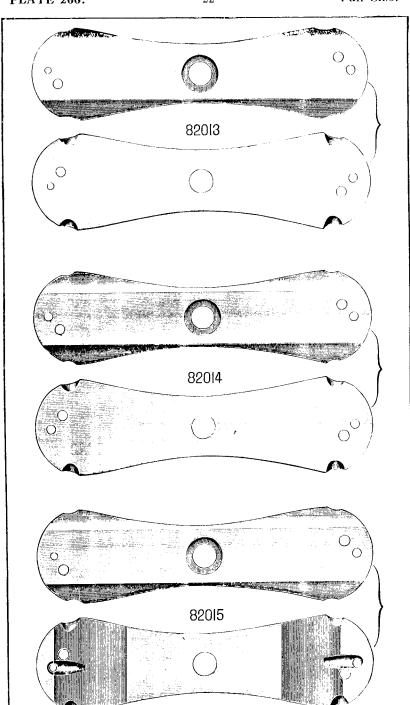


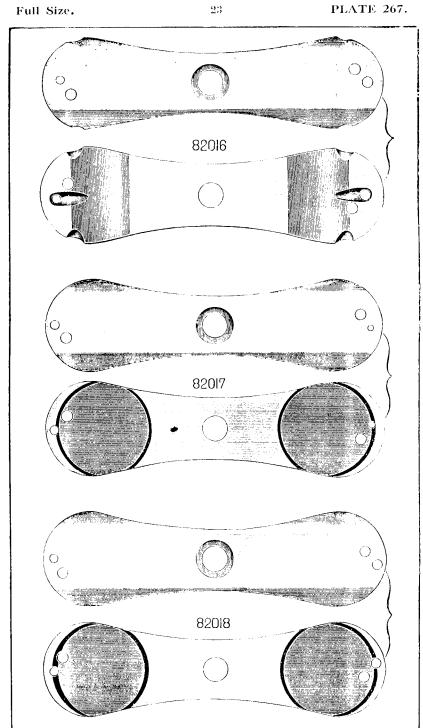


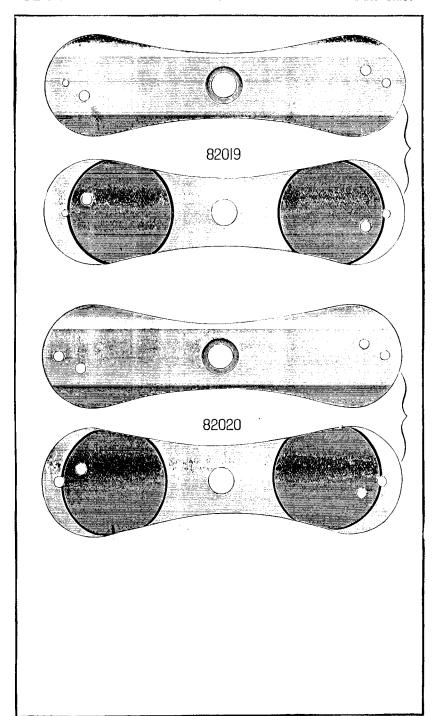


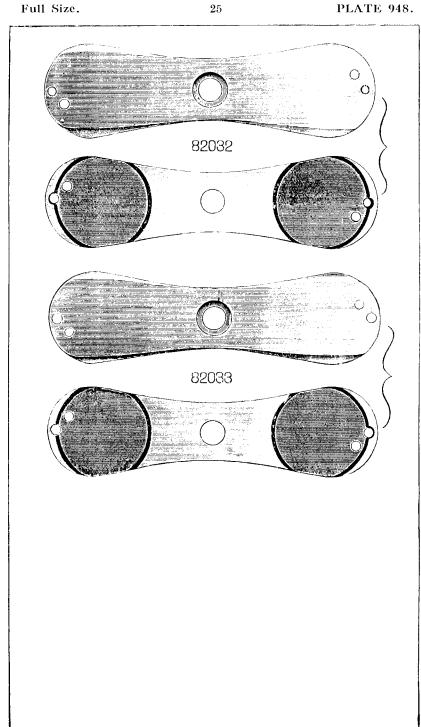


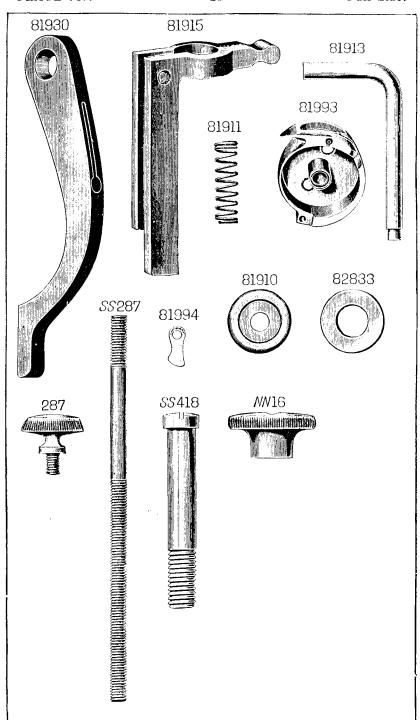












$\frac{\text{CONTENTS.}}{M}$

Part:	s, Compl	ete.	for No) 29KT	Machi	n.				Page
"	Specia				macin	ne	• • • •	* * *	*	3:
	•	1 10	**	29 K2	11	• • •		• • •		37
11	11	11	11	29K3	11	• • •			• • •	37
11	11	11	**	29 K4	11					38
11	ч	11	.,	$29 \mathrm{K} 10$	11					39
11	- 11	If		$29 \mathrm{KH}$	11					4(
11	15	11	.,	$29 \mathrm{K12}$	**			• • •		41
*1	n	n	11	29 K 13	11					42
11	11	,,	*1	29K14		***				
†1	11	,,		29 K 15	11		*		***	43
11	11	1,	.,	29K16		•••	* * *	*	***	44
					11	• • •	***			46
0	†I	11	11	29K17	11					47
n	11	11	*11	29K18	ti.	• • •				49
11	*1	11	H	29 K 21	"	(Obsolete)				66
11	11	11	11	$29\mathrm{K}22$	11					51
11	11	11	11	$29\mathrm{K}23$	11					53
Parts,	, Comple	te, f	or No.	29 K30	Machi	ne				55
11	Special			291831				•••	•••	
11	,	11		29 K32			• • • •		***	59
11	14	11		29 K33	*1	***			***	60
			11	201833	11	• • •				61
Access		• • • •		• • • •		• • •				62
Binde				• • •						62
	n Winde									63
Obsole	ete Parts	i,								64

ILLUSTRATED LIST OF PARTS

FOR

CLASS 29K MACHINES.

(29K1 to 29K4, 29K10 to 29K18, 29K21 to 29K23 and 29K30 to 29K33).

In ordering from this List, the prefix and affix letters, with the part number, **MUST BE** quoted exactly as they are shown in the first column.

A number always indicates the same part, in whatever List it may appear, or for whatever machine,

The prefix SS indicates Screws made only at Singer.

- " " Nuts made only at Singer.
- n n RR n Rollers and Studs made only at Singer.

The affix Letters (where shown) indicate the style of finish, as follows:

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

In this series: -

I to 1500 and 50001 to 51500 are Screw Numbers.

- 1501 n 1800 are Nut Numbers.
- 1801 n 2000 n Roller n
- 2001 a 50000 are numbers of machine parts, etc.
- $80001\ \mathrm{n}\ 100000$ are numbers of machine parts, etc.,

made only at Singer.

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

PARTS COMPLETE

FOR

29K1 MACHINE.

UNIVERSAL FEED ARM. FOR GENERAL WORK.

No.	Plate									
*81851		Arm of I	Macl	ine with	1 4449					
118e	170	1) 1/	11	Ba	se Screw	<i>i</i>				
4288	156	0.0	,	Sic	le Cover	(Back) .			
286d	170	11 11	,		21	Thum	b Screw			
8673	156	0 0	,	11	11	(Front	:) .			
207e	170	n - 0	t	н	f1	Screw	-		***	
81852	155	Balance	Whe	eel with	two 434	С				
434c	170	n	,	Set S	Screw					
8659	159	Check Lo	ever							
8554	161	0		Joint Pi	n		. ,			
8555	158	o.	11	Spring						
207d	170	11	Į)	1 ()	Screw					
14026	161		11	11 5	Steady I	in				
SS337f	170	- 11	1)	Thread	Take-up	Adjus	tment Se	crew		
$NN66\mathrm{d}$	170	q	11	н	и		,	и Т	humb Nut	
82007	158	Feeding	Foot	t						
8557	158	recuing	1.00		w Fork)					
8558	158	11		(,	(coars				
193đ	170		.,	Screw		(000	•			
1000		NOTENo.								
		F	eeding	g Foot is s	pecified o	on order	•			
8559	159	Feed Mo	tion	Bell Cr	ank Le	ver				
194e	170	11	11	#1		.,	int Screv		***	
81861	159	· ·	(1	Cam W	heel wit	h RRIS	3 and 818	368		
F1663	161	111	11	11	п Pi		•			
8562	156	11	11	Ring Sli						• • •
1816	161	t)	11	0		Cam R	oller and	Stud		• • •
									3	

00111	313711	EXTE	PARTS	
2017	ALA(11	1.8.10	PARTS	

No.	Plate			
81860	158	Needle Bar Piston Joint		
8589	161	n n n n Pin		
8590	155	" Threading Wire		
82013	266	Needle Plate (Fine and Medium Needle Holes)		
82014	266	n (Medium Needle Holes)		
84d	170	n Bearing Screw		
8593	161	" Catch Pin		
8594	158	n n n Spring		
8595	161	n = n = n = n = 0 Stud		
207d	170	n n n n Screw		
		NOTE,No. 82014 is sent with this Machine unless o Needle Plate is specified on order.	ther	
		·		
8670	156	Oil Cup with 8597 and 8695		
8695		e e Oil Pad (Felt)		
327d	170	n n Screw		
8597	158	n n Spring		
8598	160	Pinion Cover Plate		
393c	170	o o Serew		
8599	158	Rack (Short)		
8600	155	Rack Connection Rod (Long)		
82010	155	Shaft		
4449	157	в Bushing		
8604	161	Shuttle Bobbin		
8654	161	и Body		
8611	161	" Tension Spring		
662d	170	и в Regulating Screw		
8603		Shuttle, complete, Nos. 662d, 8604, 8611 and 8651		
75()(74)		Bilattic, Compact, Surger, Sur		
8605	161	Shuttle Carrier, with 241d and 8610		
8610	161	Spring		
241d	170	Screw		
33513	158	Shuttle Carrier Driving Pinion with 1335c		
4335c	170	n n n Screw Pin		
8607	158	n n n Bushing		
8609	161	n n n n Stud		
8608	158	6 Following Pinion		

No.	Plate							
8675	156	Foot Bar						
8564	159	U II	Revolving			• • • •		
8694	159	11 11	11	и Ве	earing			
8566		11	17	P		94 with 850	4 and 85	71
8567	159	11 11	H		auide Plate			
81935	164	11 11	н	11	11 11	Rivet		
8569	161	и и	α	η Ι	Tinge Pin		***	
8570	159	11 11	11	o S	lide Rod			
8571	159	11 11	п	и И	Vasher			
81878	159	Foot Bar	Revolving	Loint	complete	Noe 8566	8567 85	70 and
.,,,,,,	100	1000 1011	revolving	oome,	compices,	11000. 01000,		81935
							CWC	01000
0000	1.00	**						
82027	163	Head of					• • • •	
128d	170		iding Screw	• • •				* * *
8573	156	n Re	volving Bush			• • • •		
8574	158	11	11 11	Frictie	m Spring	• • •		
207d	170	*1	.0 11	Vf.	*1	Screw		
8575	161	11	11 11	11	11	Pin		
82012	156	0	0 0	Handi	e			
152f	170	11	0 11	11	Screw			
8577	158	11	tr II	Suppo	rting Was	her		
211d	170	11	0 0	*1	1)	Screw		
82026	162	Lifter			***			
66f	170		aring Screw					
(71,71	1117	11 170	aring that					
*81856		I owen A	rm and Bec	,				
8582	161	0	и и и	Stead	y Pin			
8655		Needle B	ar					
81858	164	11	п Clamp w					
SS50d	170	н	0 0 St	31.G/Az				
237f	170	*11	и Needle С	lamping	g Screw			
8656	164	ш	п Thread Т	`ension	Spring			
SS133d	170	11	0	r)	н Sc	rew		
81857	156	Needle B	ar, complet	e Mos	SS50d 8	655 8656	81858 ar	id two
01007	1.70	Needle	ar, conque	c, .xus.	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, , , , , , , , , , , , , , , , , , , ,		5S133d
							•	
		**	47	1 15 11	3775 1	11 901-		
8661	155		ar Cam an				• • •	
3012	161	17		11	11	Pin		***
361c	170	11	п н п	М	"1	Set Screw		
81859	155	Needle B	ar Driving	Lever,				
8586	161	rt	11 11	11	Joint Pin			
1801	161	11	u e	п	Cam Roll	er and Stuc	l	

87345

162

No.	Plate								
81862	160				with 361	c			
3012	161	11	н	11	Pin				
1808	161	11	11	tf	Roller a		ud		
361c	170	U	1)	11	Set Scre	W	• • •	• • •	
8613	156	Shuttle	Drivi	no Leve	r, with 1	808	VI 8814		
7d	170	onaccie.	11	ing neve	Bearin			• • •	
8614	161	11		11	Stud	g 5610		***	
14026	161	"	"	,,	n Pi			• • •	
	101	"	"	***	17 1		***	• • •	•••
8601	161	Spool P	in	• • •	•••		•••		• • •
8615	159	Stitch I	Reouls	itor					
8616	159	n n	regun	Gib.				***	• • • •
288d	170	"	,,		 mb Screw			***	
20001		11	"	3 11 (1	1111) 24-1 (5)	√	***	• • •	
668d	170	Tension	ı Adjı	isting S	tud			***	
1560d	170	11	•	11		ab Nu	.t		
8617	159	· ·	Cup	(Release)					
8618	158	11	Disc	`		•			
84113	158	н	11	Washer	(Leather)				
8619	158	11	Sprir	ıg	•••		***		• • •
8620	158	Thread	Evele	et (Head	of Arm)		***	* * *	
207d	170	**		Screw					
8621	159	Vibratir	ig Pre	esser Lif	ting Lev	er			
41d	170	11		n	0 0	S	rew		
8624	159	11		" Re	gulating	Lever			
515e	170	"		H	11	н	Clamping S	crew	
8568	164	11		П	11	11	11	Rivet	
41d	170	н		11	u.	13	Screw		
8625	159	11		11	11	11	Slide Block		
8626	159	11		н	ti .	**	H 11	Washer	
$RR18_{\downarrow}$	161	11		n Ro	ller				
81868	161	11			ıı Pin				
8627	156	11		" Spi	ring (Flat			***	
1539d	170	11		D.	и Lock	Nut			
274d	170	*1		11	н Scre	w		* * *	
128e	170						e to Stand)		• • •
SS130e	162	ri .	11	(for fa	istening 1	Machir	ie to Power	Table)	

Washer (for use with SS130)

No. 29K2 Machine.

UNIVERSAL FEED ARM. FOR GENERAL WORK, WITH SIDE WHEEL.

This Machine is the same as 29K1, with the following exceptions:-No. *81864 Arm of Machine with 4449 81865 155 Balance Wheel with two 434c 81866 156 Handle (Wood) SS135d170 Spindle 1519d170 Nut 81867 156 Hub SS45e 170 н Screw 82008 160 Shaft 160 81869 Gear 11663 161 o Pin 81871 160 Shuttle Driving Cam with SS235c 81872 160 п Gear SS235c170 " Set Screw

No. 29K3 Machine.

UNIVERSAL FEED ARM. FOR WAXED THREAD.

This Machine is the same as 29K1, with the following exceptions:— 8666 158 Feeding Foot ... NOTE, -Nos. 8666 and 82007 are sent with this Machine unless other Feeding Feet are specified on order. 283d170 Head Revolving Bush Stop Thumb Screw *81874 Lower Arm and Bed ... 82015Needle Plate (Fine and Medium Needle Holes) 266 82016 267" (Medium and Coarse Needle Holes) NOTE, -- No. 82016 is sent with this Machine unless other Needle Plate is specified on order. 81876 161 Shuttle Tension Spring 81964 Shuttle, complete, Nos. 662d, 8604, 8654 and 81876 413d170 Tension Adjusting Stud 2102 158 Disc ... 2103 162Spring 81877 161 Thread Guide Pin 1560d170 Tension Adjusting Stud Thumb Nut

No. 29K4 Machine.

UNIVERSAL FEED ARM. FOR WAXED THREAD, WITH SIDE WHEEL.

This Machine is the same as 29K1, with the fellowing exceptions:

•			•	
No.	Plate			
*81864		Arm of Machine with 4449	***	
81865	155	Balance Wheel, with two 434c	***	
81866	156	n Handle (Wood)	***	
SS135d	170	a spindle		
1519d	170	n n n Nnt	***	
81867	156	u Hub		
SS45e	170	" Screw	***	
82008	160	n Shatt		
81869	160	n n Gear		
11663	161	n n n Pin		
8666	158	Feeding Foot		
		NOTE Nos. 8666 and 82007 are sent with this Machin	10	
		unless other Feeding Feet are specified on order.		
		The state of the s		
283d	170	Head Revolving Bush Stop Thumb Screw	***	
		* A * * * * * * * * * * * * * * * * * *		
*81874		Lower Arm and Bed	***	
		N. H. Di 45 (E Madines Mondle Holon)	\	
82015	266	Needle Plate (Fine and Medium Needle Holes " (Medium and Coarse Needle Hole		
82016	267	n — n (Mednim and Coarse Needle Hob	es)	
		NOTE No. 82016 is sent with this Machine unless oth	er	
		Needle Plate is specified on order.		
0.107.6	161	Shuttle Tension Spring		
81876	101	Shuttle Tellaton Spring		
81964		Shuttle, complete, Nos. 662d, 8604, 8654 and 8	1876	
01904		Chartee, complete, 17 and 7 and 7		
81871	160	Shuttle Driving Cam, with SS235c		
81872	160	u n Gear		
SS235c	170	n n n Set Screw		
3.32aac	1707			
413d	170	Tension Adjusting Stud		
2102	158	Disc		
2103	162	spring		
81877	161	Thread Guide Pin		
1560d	170	Tension Adjusting Stud Thumb Nut	4/2)	
10.0u		•	.,	

No. 29K10 Machine.

UNIVERSAL FEED ARM.

FOR LONG STITCH.

This Machine is the same as 29K1, with the following exceptions:

No. 81934 81882	Plate 162 157	Feed Motion Bell Crank Lever
81883	157	Foot Bar
82028	162	Lifter
*81886		Lower Arm and Bed
81887 81888	-	Needle Bar n n Clamp with 237f
81889	163	Needle Bar, complete, Nos. SS50d, 8656, 81887, 81888 and two SS133d
81890 81891	157 162	Needle Bar Cam and Pulley Wheel with 361c
81892	157	Plate (acting as Pad between Lower Arm and Upper Arm)
SS162d	162	Vibrating Presser Lifting Lever Screw

No. 29K11 Machine.

UNIVERSAL FEED ARM. FOR LONG STITCH, WITH SIDE WHEEL.

This Machine is the same as 29K1, with the following exceptions:

No.	Plate		
*81864	-	Arm of Machine, with 4449	
81865	155	Balance Wheel, with two 434c	
81866	156	" Handle (Wood)	
SS135d	170	" " Spindle	
1519d	170	n n n Nut	
81867	156	" " Hub	
SS45e	170	n a n Screw	
82008	160	n n Shaft	
81869	160	и и Gear	
11663	161	и и и и Pin	
81934	162	Feed Motion Bell Crank Lever	
81882	157	$_{0}$ Cam Wheel with $RR18$ and 81868	
81883	157	Foot Bar	
82028	162	Lifter	
*81886	No.	Lower Arm and Bed	
81887	********	Needle Bar	
81888		" " Clamp with 237f	
81889	163	Needle Bar, complete, Nos. SS50d, 8656, 81887, 81888 and two SS133d	
81890	157	Needle Bar Cam and Pulley Wheel, with 361c	
81891	162	" Piston Joint	
81892	157	Plate (acting as Pad between Lower Arm and Upper Arm)	
81871	160	Shuttle Driving Cam, with SS235c	
81872	160	n n Gear	
SS235c	170	n n n Set Screw	

No. 29K12 Machine.

UNIVERSAL FEED ARM, WITH NARROW ARM, 1" ACROSS AND $\frac{7}{8}$ " DEEP.

This Machine is the same as 29K1, with the following exceptions:—

No.	Plate	
*81893		Bed
*81894		Lower Arm (Narrow)
*81895		Lower Arm and Bed, complete, Nos. 81893, 81894 and four 123e
123e	170	" " " Binding Screw
82030		Needle Bar
82031	157	Needle Bar, complete, Nos. SS50d, 8656, 81858, 82030 and two
		SS133d
82032	948	Needle Plate (Fine and Medium Needle Holes)
81898	160	Pinion Cover Plate
81899	163	Rack Connection Rod (Long)
81900	158	Shuttle Carrier Driving Pinion
8645	161	и и и и Pin
8608	158	" Following Pinion
8609	161	" " " " " Stud

No. 29K13 Machine.

UNIVERSAL FEED ARM, WITH NARROW ARM, 1" ACROSS AND 3" DEEP. WITH SIDE WHEEL.

This Machine is the same as 29K1, with the following exceptions:---

No. *81864	Plate	Arm of Machine, with 4449	
81865	155	Balance Wheel, with two 434c	
81866	156	" " Handle (Wood)	
SS135d	170	n n Spindle	
1519d	170	Nut	
81867	156	, a Hub	
SS45e	170	n u Screw	
82008	160	" Shaft	
81869	160	и и Gear	
11663	161	п п п Pin	
*81893		Bed	
*81894	_	Lower Arm (Narrow)	
*81895		Lower Arm and Bed, complete, Nos. 81893, 81894 and 1	four 23e
123e	170	n n n Binding Screw	
82030		Needle Bar	
82031	157	Needle Bar, complete, Nos. SS50d, 8656, 84858, 82030 and SS1	two 133d
82032	948	Needle Plate (Fine and Medium Needle Holes)	
81898	160	Pinion Cover Plate	
81899	163	Rack Connection Rod (Long)	
81900	158	Shuttle Carrier Driving Pinion	
8645	161	n n n Pin	
8608	158	u n Following Pinion	
8609	161	,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,,	
81871	160	Shuttle Driving Cam, with SS235c	
81872	160	n n Gear	
SS235c	170	и и и set Screw	• • •

No. 29K14 Machine.

UNIVERSAL FEED ARM, WITH NARROW ARM, 1" ACROSS AND \S " DEEP. FOR WAXED THREAD.

This Machine is the same as $29\,\mathrm{K}1$, with the following exceptions:

No. *81893	Plate	Bed					• • •	
8666	158	Feeding F	S. 0000	and 82007 at ng Feet are	 specified on	his Machine order.	 unless	
283d	170	Head Rev						
*81891		Lower Ar	m (Narrov	x)			***	
*81895		Lower Ar	m and Bo	ed, comple	te, Nos. 8	81893, 818	94 and	four 123e
123e	170			. Binding	g Screw			
82030		Needle B	ar	•••				
82031	157	Needle B	ar, comple	ete, Nos. S	S50d, 8650	i, 81858, 8	2030 an S.	d two 8133d
82033	948	Needle P	late (Medi	ium and Co	arse Need	le Holes)		
81898	160	Pinion C	over Plat	e	***	• • •		
81899	163	Rack Co	nnection	Rod (Long)		• • •	
.81876	161	Shuttle T	ension S _l	pring				
81964		Shuttle,	complete	Nos. 662d,	8604, 8654	and 81876	·	
.81900	158	Shuttle		riving Pit	iion Pin			
8645	161	14	11	ollowing P				
8608	158	10			Stud			
8609	161	11	11	н	11 (1111)			
		/#1 = 1 man	Adjustin	ó Stud			* * *	
4130								
2102	158	11	Spring					
2103	162	н	Thread G					
81877 1560	161 d 170	Tension	Adjusting	Stud Thu	ımb Nut	•••		

No. 29K15 Machine.

UNIVERSAL FEED ARM, WITH NARROW ARM, 1" ACROSS AND \mathfrak{F}'' DEEP. FOR WAXED THREAD, WITH SIDE WHEEL.

This Machine is the same as 29K1, with the following exceptions:--

No.	Plate							
*81864		Arm of Machi	lne with	4449				
81865	155	Balance Whee	1 with to	vo 434c				
81866	156	11 11		e (Wood)	• • •		* * *	• •
SS135d	170	11 11	n n	Spindle	• • • •		***	
1519d	170	11 n	"	opingle	 Nut		• • •	
81867	156	0 0	Hub			***		
SS45e	170			crew	• • • •	• • •	•••	• • •
82008	160	n n	Shaft			• • •	• • •	• • •
81869	160	• 		Gear	• • •		***	
11663	161	11 11	"	" Pin		• • •	***	
			,,	1. 1.111	• • • •		***	
*81893		Bed						
					• • •	• • • •	***	
8666	158	Feeding Foot		•••				
283d *81894	170	NOTE Not unless of	her Feedi	ng Feet are	specifi	ed on order	CHIRC	
		Lower Arm (N				crew	•••	
*81895		Lower Arm (N	arrow)	•••				
*81895 123e	170		arrow) d Bed, c	•••	 Nos.			 four
		Lower Arm an	arrow) d Bed, c	 complete,	 Nos.	81893, 8	1894 and	 four 123e
12 3 e		Lower Arm an	arrow) d Bed, c	 complete, Binding S 	Nos.	81893, 8 	82030 and	four 123e
123e 82030	 170 	Lower Arm an	arrow) d Bed, c	 complete, Binding S Nos. SS50	Nos. crew	81893, 8 56, 81858,	82030 and	four 123e
123e 82030 82031	170 — 157	Lower Arm an " " " Needle Bar Needle Bar, cor	arrow) d Bed, c " I mplete, 1 Iedium a	 complete, Binding S Nos. SS50	Nos. crew	81893, 8 56, 81858,	1894 and 82030 and	four 123e I two

		No. 29K15 MACHINE PARTS		45
No. 81876	Plate 161	Shuttle Tension Spring		
81964		Shuttle, complete, Nos. 662d, 8604, 8654 and 81876		
81900	158	Shuttle Carrier Driving Pinion		
8645	161	n Pin		
8608	158	" Following Pinion		
8609	161	" " " Stud	• • •	
81871	160	Shuttle Driving Cam with SS235c		***
81872	160	n n Gear		
<i>SS</i> 235c	170	n n Set Screw	• • •	
413d	170	Tension Adjusting Stud		***
2102	158	и Disc		
2103	162	п Spring		
81877	161	n Thread Guide Pin		
1560d	170	Tension Adjusting Stud Thumb Nut		4/23

No. 29K16 Machine.

UNIVERSAL FEED ARM, WITH NARROW ARM, 1" ACROSS AND \S " DEEP. FOR WORSTED SLIPPER WORK. FOR LONG STITCH.

This Machine is the same as $29\,\mathrm{K}1$, with the following exceptions:

No.	Plate		
*81902	-	Bed	
			• • •
81934	162	Feed Motion Bell Crank Lever	
81882	157	" Cam Wheel with RR18 and 81868	
		Com With With Wills and \$1868	
81883	157	Foot Bar	
82028	162	Lifter	
*81894	•	Lower Arm (Narrow)	
*81903		Lower Arm and Bed, complete. Nos. 81894, 81902 and for	
123e	170	12:	}e
			• •
81887		Needle Bar	
81888		" Clamp with 927f	
81889	163		
	103	Needle Bar, complete, Nos. SS50d, 8656, 81887, 81888 and tw SS133.	
81890	157	Needle Bar Cam and Pulley Wheel, with 361c	-
82032	948	Needle Plate (Fine and Medium Needle Holes)	
81892	157	Plate (acting as Pad between Lower Arm and Upper Arm)	
81898	160	Pinion Cover Plate	
81899	163	Rack Connection Rod (Long)	
81900	158	Shuttle Carrier Driving Pinion	
8645	161	II	
8608	158	" " " " Pin " " Following Pinion	
8609	161	H H Charl	
	··· =	" " " Stud	
SS162d	162	Vibrating Presser Lifting Lever Screw	

No. 29K17 Machine.

UNIVERSAL FEED ARM, WITH TOP AND BOTTOM FEED. FOR SHOE BINDING

This Machine is the same as $29\,\mathrm{K}1^\circ$ with the following exceptions : --

No.	Plate												
85675	164	Bine	der,	complet	e. 3″ s	with C	and t	Societe		Cant		T2 1.1	
			,		7, 8,			range	. 111	Септ	re ot	rolder	
81909		Brai	id Ba	bbin									
SS287d	949	11				 Spindle		• • •				• • • •	
NN16d	949	11			11	apanerie.		 dmb	· ·				
81910	949	11			0	"		пин С	N III				
81911	949	11		11	 H	11		Spr					
						"	"	Spi	mg				
81912		Broi	d Ho	ldon D		n							
287d	949	271 41		lder B									
81913	949			11	11	11	11	Bine	ling	Thu	mb:	Screw	• • •
		.,		17	11	11	**	l'in	(Be	ent)		fasteni	
												Arm of	Mch.)
81914	163	Brai	d Ho	lder, co	mplet	e. Nos.	287	d 81	919	and	turo	each N.	V14:4
					,	,		SS28	87d	and	810	сасц <i>I</i> у. 109. to	.V 10(1, Q 10 1 1
											.,,,,,		01911
81916	168	Feed	Dog	(Upper	.)								
81917	168	0	11	(Lower	-)								***
SS210d	170	11	11	() Posi	tion Sc	теж						• • • •
81918	168	11	11	Positio	n Stud	l							
8645	164	- 11		- 11			Pin						
81920		Feed	Dog	-(Uppe	r and	Lower), c	ompl	ete.	Nos	. 55	210d, 8	1916.
							819	117, 1	two	eacl	864	lő and s	81918
81925	168	Feed	Dog	and T	hroat	Plate	соп	ubine	d, 1	Sos.	8193	90 and 8	s192a
												***************************************	11/2/1
81915	949	Feed	Moti	on Bell	l Cran	ık Lev	o r						
							•						
283d	170	Head	Revo	olving	Ruch	Ston	I'laaa	1s - 6					
					74.511	Otop	11111	шоз	ocre	žW.			• • •
82028	162	Lifter											
		Direct	• • • •	••	•	•••		• • •					
*81926		I 41											
	***	Lower	Arn	r and I	sed	• • •							

No	Plate		
81927	-	Needle Bar	
81888		u Clamp with 9276	
81928	163	Needle Bar, complete, Nos. SS50d, 8656, 81888, 819	 927 and two SS133d
81891	162	Needle Bar Piston Joint	
81929	164	Tenston Cup	
81921	168	Throat Plate (Upper) with 81923	
81922	168	n (Lower)	•••
393d	170	" (Hoper and Lemm) C C C	
81923	168	Binder Position Plant	•••
84d	170	Binding Serow	
286d	170	" Thumb Serow (for Division)	***
81924		"Throat Plate (Upper and Lower), complete, Nos. 8	
81930	949	Vibrating Presser Lifting Levet	

No. 29K18 Machine.

UNIVERSAL FEED ARM, WITH TOP AND BOTTOM FEED. FOR SHOE BINDING, WITH SIDE WHEEL.

This Machine is the same as 29K1, with the following exceptions:—

No. *81864	Plate	Arm of Machine with 4449	
01001		ATIII OI Machine with 4449	• •
81865	155	Balance Wheel with two 434c	
81866	156	Handle (Wood)	
SS135d	170	Spindle	
1519d	170		
81867	156		
SS45e	170	n n Screw	
82008	160	" " Shaft	
81869	160	u u Gear	
11663	161	$n = n = n - Pin \dots \dots \dots \dots$	
85675	164	Binder, complete, $\frac{3}{8}$ ", with Cord Guide in Centre of Folder .	
81909		Braid Bobbin	
SS287d	949	" Coron Caindle	
NN16d	949	Thumb Nut	
81910	949	n n n n n Diec	
81911	949	C	
81912		Braid Holder Brass Base Plate with 81913	
287d	949	D: 12 (D) 1 (1)	• •
81913	949	Binding Thumb Screw . " " " Pin (Bent) (for fastening t	
02020	0.20	Arm of Mch.	
81914	163	Braid Holder, complete, Nos. 287d, 81912 and two each NN166	í.
		SS287d and 81909 to 8191	
81916	168	Feed Dog (Upper)	
81917	168	(Lawrence)	
SS210d	170	A Desilling Conservation	
81918	168	Durition Ctual	
8645	164	Chara Dia	
81920		Feed Dog (Upper and Lower), complete, Nos. SS210d, 81916 81917, two each 8645 and 8191	

No. 81925	Plate 168	Feed Dog and Throat Plate combined,	Nos. 81	1920 and	81924
81915	949	Feed Motion Bell Crank Lever	• • •		
28 3 d	170	Head Revolving Bush Stop Thumb Scr	ew	•••	• • •
82028	162	Lifter	•••	•••	
*81926	_	Lower Arm and Bed		•••	• • • •
81927		Needle Bar			
81888		" Clamp with 237f	• • • • • • • • • • • • • • • • • • • •		•••
81928	163	Needle Bar, complete, Nos. SS50d, 8656.	81888,		d two 8133d
81891	162	Needle Bar Piston Joint		• • •	
81871	160	Shuttle Driving Cam with SS235c			
81872	160	" " Gear		***	
SS235c	170	u u u Set Screw			
81929	164	Tension Cup			• • •
81921	168	Throat Plate (Upper) with 81923			
81922	168	" (Lower)		• • •	• • •
393d	170	" (Upper and Lower) Connecting		w	• • • •
81923	168	Binder Position Block	ng octe.		
84d	170	" Binding Screw			• • • •
286d	170	" Thumb Screw (for Binder)		•••	
81924		Throat Plate (Upper and Lower), comple		s. 84d, 8 and tw o	
81930	949	Vibrating Presser Lifting Lever		• • • •	•••

No. 29K22 Machine.

UNIVERSAL FEED ARM, WITH TOP AND BOTTOM FEED, FOR SHOE BINDING, FOR LONG STITCH, $\frac{5}{16}$ ".

This Machine is the same as 29KI, with the following exceptions:—

No 85675	Plate 164	Binder, complete. 3", with Cord Guide in Centre of Folder	
81909		Braid Bobbin	
SS287d	949	n serew Spindle	
NN16d	949	n n n n Thumb Nut	
81910	949	n n n Disc	
81911	949	n n n n Spring	
81912		Braid Holder Brass Base Plate with 81913	
287d	949	n n n n Binding Thumb Screw	
81913	949	n n n Pin (Bent) (for fastening Lower Arm of M	
81914	163	Braid Holder, complete, Nos. 287d, 81912 and two each NN $SS287d$ and 81909 to 81	
81916	168	Feed Dog (Upper)	
81917	168	n n (Lower)	• • • •
SS210d	170	n n (n) Position Screw	
81918	168	n Position Stud	
8645	164	n n n stop Pin	•••
81920		Feed Dog (Upper and Lower) combined, Nos. SS210d, 81 81917, two each 8645 and 8	
81933	168	Feed Dog and Throat Plate combined, Nos. 81920 and 8	1932
81934	162	Feed Motion Bell Crank Lever	
81882	157	$_{0}$ Cam Wheel with $RR18$ and 81868	
81883	157	Foot Bar	
283d	170	Head Revolving Bush Stop Thumb Screw	
82028	162	Lifter	

52		No. 29K22 MACHINE PARTS.			
No.	Plate				
*81926		Lower Arm and Bed			
81887		Needle Bar			
81888		" " Clamp with 2276	• • •		
81889	163		•••	• • • •	
		Needle Bar, complete, Nos. SS50d, 865	6, 81887, 8	H888 an	d two
					S133d
81890	157	Needle Bar Cam and Pulley Wheel wi			
81891	162	" Piston Joint	ith 361c		
		" Piston Joint			
81892	157	Plate (acting as Pad between Lower Arm	and Upper	· Arm)	
81921	168				
81931	168	Throat Plate (Upper) with 81923			
393d	170	" (Lower)			•••
81923	168	" (Upper and Lower) Connec	ting Screw		•••
84d		" " Binder Position Block			
	170	" Binding Screw		* * *	
286d	170	" " Thumb Screw (for Binder)			
81932		Throat Plate (Upper and Lower), comple		•••	
		Comple	ite, Nos.	84d, 81	921,
			81931 ai	ad two:	3934
SS162d	162	Vibrating Presser Lifting Lever Screw			
		Beret Berew			

No. 29K23 Machine.

UNIVERSAL FEED ARM, WITH TOP AND BOTTOM FEED, FOR SHOE BINDING, FOR LONG STITCH ($\frac{5}{16}$ "), WITH SIDE WHEEL.

This Machine is the same as 29K1, with the following exceptions :—

No.	Plate									
*81864		Arm of	f Mach	ine wi	th 4449)				
81865	155	Balanc	o Who	d: 41.						
81866	156	ı,	e whee							
SS135c					idle (V					
1519c		11	11			indle			,	
81867	156		17	Hul	1	11	Nut			
SS45e	170	**	**		Screw		• • • •			
82008	160	11	u.	Shat	٠.				• • •	
81869	160	R		vara.	it ,,. Gear	-				
11663	161	11	11	11						
			- 11	"	11	Pin	• • • •		• • •	
85675	164	Binder.	comple	to 3"						
		,	compre	tc, § ,	with (Jorq	Guide	ın Cent	re of Fold	ler
81909	*****	Braid B	obbin							
SS2874	949	11			 Spindle		•••	• • • •		
NN16d	949	11	11	11	11		 imb Ni			
81910	949	11	*1	.,		Disc				.,
81911	949	h	11	0	.,		Sprin			
						,,	орин	g	***	
81912		Braid He	older F	tass	Raen I	Plata		21010		
287d	949	н		"	11 11	nate				
81913	949	11	11	9	11	11			nb Screw	• • •
						1:		(Bent)	tor fas Arm of	stening
81914	163	Braid Ho	lder, c	omple	te, Nos	. 287	d. 8191	2 and t	wo each A	JAJECA
							SS28	R7d and	81909 to	81911
01010	• • •									0.40.11
81916	168	Feed Dog	(Uppe	r)						
81917	168	0 0	(Lowe:							• • • •
SS210d	170	н н	(") Posi	tion Sc	rew			•••	•••
81918	168	н н	Positio	n Stud	1					
8645	164	11 11	11	11	Stop					
81920	·									

No. 81933	Plate 168	Feed Dog and Throat Plate combined, I	Nos. 819:	30 and 819	932
81934	162	Feed Motion Bell Crank Lever			
81882	157	$_{\rm tr}$ Cam Wheel with $RR18$ and 8	1868		
81883	157	Foot Bar			•••
283d	170	Head Revolving Bush Stop Thumb Scre	ew		
82028 *	162	Lifter	***	•••	•
*81926		Lower Arm and Bed			
81887		Needle Bar			
81888		" Clamp with 237f			
81889	163	Needle Bar, complete, Nos. SS50d, 8656, 8	1887, 81	888, and t SS1:	
81890	157	Needle Bar Cam and Pulley Wheel with	361c		
81891	162	" Piston Joint			· · ·
81892	157	Plate (acting as Pad between Lower Arm at	ul Upper	Arm)	
81871	160	Shuttle Driving Cam with SS235c			
81872	160	в п п Gear			
SS235c	170	n n n Set Screw	***		
81921	168	Throat Plate (Upper) with 81923			•
81931	168	ıı ıı (Lower)			
393d	170	" " (Upper and Lower) Connecti	ng Screw		
81923	168	Binder Position Block			
84d	170	n — n Binding Screw			
286d	170	n — n Thumb Screw (for Binder)			•••
81932		Throat Plate (Upper and Lower), compl		84d, 819 and two 3	
SS162d	162	Vibrating Presser Lifting Lever Screw		•••	···

PARTS COMPLETE

FOR

29K30 MACHINE.

UNIVERSAL FEED ARM, 17½° FROM NEEDLE TO BASE OF ARM, FITTED FOR WAXED THREAD.

No.	Plate								
*81936		Arm of	Macl	nine with	4449		• • •		
118e	170	11 11	1	Base	Screw	• • • • • • • • • • • • • • • • • • • •	• • •		
4288	156	р 11		Side	Cover	(Back)			
286d	170	ц и	r	ı II	11	Thumb Scre	w		
8673	156	н н	1	11	U	(Front)		* * *	
207e	170	11 11	,		L4	Screw	• • •		• • •
81937		Balance	. Who	eel with t	wo 434	łc	•••		
434c	170	11	ŧ	Set Se	rew		• • •	• • •	
8659	159	Check I	ever	• • •			•••		
8554	161	11	11	Joint Pir	٠				
8555	158	11	U.	Spring					
207d	170	11	11	n Se	crew				
14026	161	11	11	n S:	teady	Pin			
SS337f	170		11	Thread 3	`ake-u	p Adjustmen	t Screw		• • •
$NN66\mathrm{d}$	170	11	11	н	11	11	11	Thumb N	iut
82007	158	Feeding	j Foo	t		:			
8666	158	11	11	for Wax	ed Th	read			
8557	158	11	11	(Narrow	Fork	(Fine)			
8558	158	h	11	(11	11	(Coarse)			
193d	170	П	11	Screw					
	N	OTE.—Nos	. 8666 her Fo	and 82007 a eding Feet	ire sent are spe	with this Mach ecified on order	ine unles	ss	

8559	159	Feed	Motion	Bell	Crank	Leve	r	• • • •	
194e	170	- 11	н	11	11	11	Joint Sc	rew	
81861	159	tt	11	Cam	Wheel	with.	RR18 and	81868	
11663	161	- 11			11			• • • •	
8562	156		11	Ring	Slide l	Bar wi	th 1816		
1816	161	D	11	0	11	u Ca	ım Roller	and Stud	

No.	Plate			
8675	156	Foot Bar		
8564	159	" " Revolving Joint		
8694	159	и и и о Bearing		
8566		n n n n n 8694 with 8564 a	nd 8571	
8567	159	n n n Guide Plate		
81935	164	n n li n n n Rivet		
8569	161	n n n n Hinge Pin		
8570	159	n n n Slide Rod		
8571	159	n n www.w.w.w.		
0.10.70.2	150	Dark Dan Danislatus Island annual to N. 0500	0507 (
81878*	159	Foot Bar Revolving Joint, complete, Nos. 8566,		
		an	d two 8	1935
	100	**		
82027	163	Head of Machine		• • •
128d	170	Binding Screw	• • •	
8573	156	Revolving Bush	• • •	
8574	158	" " Friction Spring		• • •
207d	170	n n n n n n S crew		• • •
8575	161	n n n n n Pin		
82012	156	o o Handle		
152f	170	n n Screw		
283d	170	" Stop Thumb Screw		
8577	158	" Supporting Washer		
211d	170	n n n n Screw		
82026	162	Lifter		
66f	170	Bearing Screw	• • •	
001	•••			
00010*		Lower Arm and Bed		
*81938			• • •	
8582	161	" " " Steady Pin	* * *	
81939		Needle Bar		
81858	16‡	п — п Clamp with 237f — —		
SS50d	170	и и и Screw		
237í	170	и и Needle Clamping Screw		
8656	164	" Thread Tension Spring		• • •
SS133d	170	n n n n Screw		
81940	163	Needle Bar, complete, Nos. SS50d, 8656, 81858, 81	939 and	two
01940	100	Weedle Dai, complete, 1103. 5.550d, 5000, 51000, 11		133d
			././	1111/1
81941	155	Needle Bar Cam and Pulley Wheel with 361c		
3012	161	n n n n n Pin		
361c	170	(3 + C)		
901C	170	n n n n n n Set Screw	• • •	•••
81942	155	Needle Bar Driving Lever with 1801 and 14026	• • • •	- • •
81943	161	и и и п Joint Pin		- • •
1801	161	" " " Cam Roller and Stud		

No	Plate				
81860	158	Needle Bar Piston Joint			
8589	161	n n n Pin			
8590	155	n n Threading Wire			
0000	•				
82019	268	Needle Plate (Fine and Medium Needle	Holes)		
82020	268	" " (Medium and Coarse Need			
84d	170	Bearing Screw			
8593	161	" Catch Pin			
81946	158	n n n Spring			
8595	161	" " Stud			
207d	170	s o screw			
		NOTE. No. 82020 is sent with this Machine un Needle Plate is specified on order.	iless other		
8670	156	Oil Cup with 8597 and 8695			
8695		D Oil Pad (Felt)			
327d	170	" Screw			
8597	158	n Spring			
()////	1,,(,				
81947	160	Pinion Cover Plate			
393e	170	Screw			

81948	158	Rack (Short)	•••		
81949	155	Rack Connection Rod (Long)	• • •		•••
00011	155	Shaft			
82011	$\frac{155}{157}$	Shaft			
4449	1.97	• • • • • • • • • • • • • • • • • • • •			
00880	101	Child Dabbin (Sulid Hardoned)	✓		
82552	161	-Shuttle Bobbin (Solid, Hardened)	····		
7868	161	Retaining Spring	🗸		
SS133d	170		· · · · · · · · · · · · · · · · · · ·		
81993	949	a Body			
81994	949	Tension Spring	🗸		
SS132d	170	" "Regulating Screw " Thread Pull-off	🗸		
81951	161	Caran	V		
404d	170	$\mathcal{M}_{+}BC$	•••		
81952	161	Shuttle, complete, Nos. SS132d, SS1			
			81993, 81	994 and	82552
81953	161	Shuttle Carrier			
81954	164	Box Bushing			
82029	158	Driving Pinion with I			
1335c		n screw			
81956	158	Following Pinion			
81957	164	n n stuc			
(11////	1.074				

No	Plate										
81862	160	Shuttle	Drivin	o Cam	with	2616					
3012	161	н	"	.g Oan	Pin	0010				* * *	
1808	161	#1	11	"	Rolle	rand			• • •	* * *	
361c	170	11	11	11	Set S				• • •	• • •	• • •
3010	110	"	.,	"	3613	CICW	• •		• • •	***	•••
8613	156	Shuttle	Drivin	g Leve	r with	1808	3 ar	id 8614	ļ	***	
7d	170	11	11	Л		ring S					
8614	161	и	0	н	Stuc					•••	
14026	161	II				Pin					
							•			•••	
8601	161	Spool F	in								
8615	159	Stitch I	Regulat	or							
8616	159	†I	н .	Gib						• • • • • • • • • • • • • • • • • • • •	
288d	170	,,	11		mb Sc	rew					
	1	.,		X 11 (4	11117 (1)		• •	•			•••
668d	170	Tension	1 Adjus	sting S	tud						
413d	170	11	"					Threa			
1560d	170	11	11		n Tl	umb	Nı	ıt			
8617	159	11	Cup (I	Release							
8618	158	11	Disc								
2102	158	11		or Wax		read					
84113	158	11	n V	Vasher	(Leath	er)					
8619	158	11			,	,					
80548	158	11	ır.	for Wa			I				
81877	161	н	Thread	l Guide	Pin fe	or Wa	ixe	1 Thre	ud		
8620	158	Thread	Eyelet	(head o	of arm)					
207d	170	м	н	Screw							
			_								
8621	159	Vibratii			fting						
41d	170	U	11		0	11		Tew		***	
8624	159	11	11	$_{\rm r}$ Re	gulati	ng Le					
515e	170	11	11		11		11	Clamp	oing So	crew	
8568	164	11	11		11		11	tr.		u Rivet	
41d	170	п	11				t I	Screw			
8625	159	11	11		10		D.	Slide	Block	• • •	• • •
8626	159		*1		*1		11	11	11	Washer	
RR18	161	11	**	Re	Her						
81868	161	11	11		o Pi	11					
8627	156	11	- 11	Sp	ring (1	(lat)					
1539d	170	u	11		n L	ock N	Iut				
274d	170	п	11		ıı Se	rew	• • •				
197.	170	Machin	. C	(C C		3.5	1. 1		٧٠ د ١		
137e	170	Machin		,					,		•••
SS418e	949	11	11							Table)	
82833	949	H	11	wash	cr. (101	use	with	h <i>SS</i> 41	8)		

No. 29K31 Machine.

UNIVERSAL FEED ARM, $17\frac{1}{2}$ FROM NEEDLE TO BASE OF ARM, FITTED FOR WAXED THREAD, WITH SIDE WHEEL.

This Machine is the same as 29K30, with the following exceptions:

No.	Plate								
*81958		Arm of N	lachii	ie with	4449	•••			
81959	155	Balance V	Wheel	with t	wo 434c				
81866	156	ti	11	Hand	le (Wood)			
SS135d	170	M	11	н	Spindle	e			
1519d	170	11	17	н	15	Nut			
81960	157	11	13	Hub		•••			
SS45e	170	11	12	11 5	Screw				
82009	164	м	11	Shaft					
81869	160	14		11	Gear				
11663	161	11	*1	31	u Pit	ı	• • •	• • •	
81871	160	Shuttle I	Privin	g Cam	with SS	235c			
81872	160	11	11	+1	Gear				
SS235c	170	11	11	11	n Se	t Screw			• • •

No. 29K32 Machine.

UNIVERSAL UPPER FEED, 17½" FROM NEEDLE TO BASE OF ARM, FOR STITCHING IN SMALLER SPACES THAN 29K30, FITTED FOR WAXED THREAD.

This Machine is the same as 29K30, with the following exceptions:--

No.	Plate		GOILS .	
*81962		Lower Arm and Bed		
		Bowel Will and Bed		•••
8655		Needle Bar		
81857	156	Needle Bar, complete, Nos. SS50d, 8655, 8656, 8		•••
		3330d, 8035, 8656, 8	1858,	
82015	266	Needle Plate (Fine and Medium Needle Holes)		SS133d
82016	267	" (Medium and Coarse Needle Holes)	• • •	•••
8594	158	u Catch Die Count	• • • •	
			• • •	•••
		NOTE.—No. 82016 is sent with this Machine unless other Need Plate is specified on order.	dle	
8598	160	Pinion Cover Plate		
8599	158	Rack (Short)		
81963	157	Rack Connection Rod (Long)		***
8604	101	01		
	161	Shuttle Bobbin		•••
8654	161	" Body		
81876	161	Tension Spring		
662d	170	" Regulating Screw		
81964		Shuttle, complete, Nos. 662d, 8604, 8654 and 81876		•••
		5557, 5564, 7655, 7655, 6052d, 8054, 8654 and 81876		•••
8605	161	Shuttle Carrier with 241d and 8610		
8610	161	" " Spring		• • •
$24 \mathrm{Id}$	170	" Scrow	• • •	•••
33513	158	Driving Pinion with 1335c	• • •	
8607	158	9 David 3		
8609	161	n n mistung		
8608	158	" " Stud " Following Pinion	• • •	• • •
			• • •	• • •
2103	162	Tension Spring		
			• • •	

No. 29K33 Machine.

UNIVERSAL FEED ARM, 17½" FROM NEEDLE TO BASE OF ARM, FOR STITCHING IN SMALLER SPACES THAN 29K30, FITTED FOR WAXED THREAD, WITH SIDE WHEEL.

T	his Ma	chine is the	same	as 29K3	0, with th	ne follow	ing excen	tions :	
No.	Plate							CIVILLY .	
*81958		Arm of	Mach	ine wift	4449				
81959	155	Balance	Whee	1 with t	wo 194e		• • • •		• • •
81866	156	24.44.766			wo 454 6 lle (Wood	٠		• • •	
SS135d	170			n ann	rie (Wood Spindle		•••		
1519d	170		12	11			* * *	• • •	
81960	157	11		Hub		Nut			
SS45e	170	14			Screw				• • •
82009	164	17	H	Shaft.		* * *			
81869	160	F1	10		Gear	• • •			• • •
11663	161	11	11	D	o Pin	***	***	• • •	
*81962		Lower A				• • •		• • •	• - •
8655						• • •	•••		
		Needle I		• • •	***	• • •			
81857	156	Needle 1	Bar, c	omplete	, Nos. 88	50d, 867	55, 8656, 8	31858 ar	id two
82015	900	NT 11 - 11						.5	S133d
82016	266				l Medium				
8594	267	11			and Coar	se Needl	le Holes)		
0004	158	NOTE N	п ()	atch Pi	ı Spring				
		NOTE N	.o. 8201 Needle	6 is sent Plate is	with this M specified o	Iachine u	nless other		
8598	160	Pinion C					***		
8599	158	Rack (Sh	ort)		,				• • •
81963	157	Rack Cor					• • • •	***	• • •
8604	161	Shuttle I					• • •		
8654	161		odv. Jodv		• • •	• • •			
81876	161		~	Ct			• • • •		
662d	170	" 1		Spring		• • •			
81964			"		ting Screv		• • • •		
		Shuttle, o					and 81876		
8605	161	Shuttle C	arrie	r with 2	41d and 8	610			
33513	158	н	11	Drivin,	g Pinion v	vith 133.	āс		
8607	158		11	*1	n 13	ushing			
8609	161	11	0	11		tud			
8608	158	F1	11		ing Pinion	١			
8610	161	11	11	Spring					
241d	170	"	11		Screw				
81871	160	Shuttle D	riving	Cam v	vith SS23	бc			
81872	160	11	н		ear			***	
SS235c	170	11	11	11	u Set S	crew			
2103	162	Tension S	pring						
			- (9				• • • •		• • • •

81968 and 81969

ACCESSORIES.

ACCESSORIES supplied with Nos. 29K1 to 29K4, 29K10 to 29K18, 29K21 to 29K23, 29K32 and 29K33 Mchs.

140.	Plate						
8604	161	Bobbins (5)					
	_	Instruction Book	•••				
29×4		Needles (2 each sizes 19, 21	and 22)				
8590	155	Needle Bar Threading Win	:e				
36569		Oiler with 36571					
36571		п Spout, 1¾" long					
25537		Screw Driver (Machine)					
25538		n n (Shuttle Ten	sion)				
128e	170	Screws (4) (for fastening	Machine	e to Scan	d), for 29	HK1 to 29	K4
		$29 \mathrm{K} 10$ to $29 \mathrm{K} 18$ and	29K21t	to 29 K23	Machines	·	
137e	170	Screws (4) (for fastening M	lachine t	o Stand),	for 29 K	32 and 29.	K3:
		Machines					• •
AC	CESSO	ORIES supplied with No	s. 29K3	30 and 2	9K31_N	4achines	
The	se Acces	ssories are the same as for 2	9KI to	29 K4 etc	Machir	nes, with	the
following							
82552	161	Bobbins (5)					
137e	170	Screws (4) (for fastening M	lachine t	o Stand)			• •

BINDERS.

When ordering Binders, send Sample of the Binding and the Material to be bound.

BINDERS for Slipper Work, for Nos. 29K17, 29K18, 29K22 and 29K23 Machines.

85675	164	Binder, complete, \{\gamma''\), with Cord Guide in Centre of Folder	•••
85676		Binder, complete, §", with Cord Guide at Side of Folder	•••
85677		Binder, complete, ¾", less Cord Guide	

BOBBIN WINDERS.

BOBBIN WINDER (Eccentric) for Nos. 29K1 to 29K23 Machines. No. Plate 169 8684 Eccentric 286d170 Thumb Screw Frame ... 169 8683 128d170 н Screw 8651169 Spindle ... 81965 8651 with 8371 8371 169 Pulley ... 2460169 " Rubber Ring 81966 169 Bobbin Winder, complete, Nos. 128d, 286d, 2460, 8683, 8684 and 81965 BOBBIN WINDER (Eccentric) for Nos. 29K30 and 29K31 Machines, 81967 Bracket (to fasten to Machine) 159f 169 " Screw ... 81968 Eccentric 170 Thumb Screw 286d81969 169 Frame with 8554 ... Steady Pin 8554 169 SS79d169 Thumb Screw (to fasten to Bracket) ... 81970 169 Spindle 8197181970 with 8371 ... 8371 Pulley ... 169 2460 169 " Rubber Ring 81972 Bobbin Winder, complete, Nos. SS79d, 286d, 2460, 81968, 81969 and 81971 Nos. 81967 and 159f are used with, but not included in, 81972. BOBBIN WINDER (Eccentric) for Nos, 29K32 and 29K33 Machines. 81967 Bracket (to fasten to Machine) 159f 169 Screw ... 81968 Eccentric 286d170 Thumb Screw 81969 169 Frame with 8554 ... 8554 169 Steady Pin 169 Thumb Screw (to fasten to Bracket) ... SS79d8651 169 Spindle ... 81965 8651 with 8371 8371169Pulley ... 2460 169Rubber Ring 81973 Bobbin Winder, complete, Nos. SS79d, 286d, 2460, 81965,

Nos. 159f and 81967 are used with, but not included in, 81973.

OBSOLETE PARTS.

No.	Plate		
81977		Balance Wheel with 361c for 29K1 Machine	
81996		with two 434c for 29K2 Machine	
31997		Hub for 29K2 Machine	
31998		Shaft for 29 K2 Machine	
81999		n n Gear for 29K2 Machine	• • •
81978	_	Check Lever for 29K1 Machine	•••
* 81981		Feed Motion Cam Wheel with RR18 and 81868 for 29	KI
0,001			Machine
2117	161	n n n n Pin	
81979		Foot Bar Revolving Joint Guide Plate	
01000		Head of Machine for 29K1 Machine	
81982	156	" " for 29K1, 29K2, 29K10 to 29K1:	2, 29K13,
81853	190	29K16 to 29K18, 29K21 to 29K23 and 29K30	to 29K33
		Machines	
81873		Head of Machine for 29K3, 29K4, 29K14 and 29K15	Machines
81983	159	Lifter for 29K1 Machine	
81854	159	" 29K1 to 29K4, 29K12 to 29K15 and 29K30	Machines
		20110 20110 1 201110 221 201191	
81885	162	n = n 29K10, 29K11, 29K16 to 29K18 and 29K21	Machines
		o	niacannes.
81984			
81985	158	ii Opring to: 20000	
81855	158	" Spring	
81988		Needle Bar Cam and Pulley Wheel for 29K1 Machi	ne
81987		Briving Lever with 1801 for 29K1 Machin	1e
81986	158	n Piston Joint for 29K1 Machine	
		1.207	531
8591	165	Needle Plate for 29K1, 29K2, 29K10, 29K11 and 29F	€21 Machines
			Macmines
	100	Needle Plate (Broad End) for 29K1, 29K2, 29K10,	29KH and
82004	166	29 K2	1 Machines
00005	167	n (Broad Ends) for 29K1, 29K2, 29K10,	29K11 and
82005	167	(Broad Ends) 101 29K1, 25K2, 25K1	1 Machines
00000	166	(D 4 E. J.) for 90K3 90K4 99K32	
82003	100	ii (Broad Ends) for 29 (3, 23 (4, 25 (6)	Machines

No.	Plate		
82006	167	Needle Plate (Broad Ends) for 29K3 and 29K4 Machines	
81875	165	n for 29K3, 29K4, 29K32 and 29K33 Machines	
81897	167	" (Broad End) for 29K12 to 29K16 Machines	
81896	165	n of for 29K12, 29K13 and 29K16 Machines	
82017	267	" (Fine and Medium Needle Holes) for 29K12	3,
		29K13 and 29K16 Machine	
82018	267	(Medium and Coarse Needle Holes) for 29K14 an	d
		29K15 Machine	
81901	165	n of for 29K14 and 29K15 Machines	
81944	166	n for 29K30 and 29K31 Machines	
82002	164	n (Broad Ends) for 29K30 and 29K31 Machines .	
81989		Shaft for 29K1 Machine	
81995		и и 29K2 и	
81990		Shuttle Carrier with 241d and 81991 for 29K1 Machine	
81991		" Spring for 81990	
8606		Shuttle Carrier Driving Pinion with 627c for 29K1 to 29K-	4,
		29K10, 29K11, 29K17, 29K18 and 29K21 to 29K23 Machine	CS.
81992		Shuttle Driving Cam for 29K1 Machine	٠.
82000		$_{0}$ $_{0}$ $_{0}$ with $SS235c$ for $29\mathrm{K2}$ Machine .	
82001		n π σ Gear for 29K2 Machine	
81955		Shuttle Carrier Driving Pinion with 627c for 29 K30 to 29 K3	3
		Machines	

No. 29K21 Machine.

(OBSOLETE)

UNIVERSAL FEED ARM, WITH HIGH LIFT, FOR SHOE BINDING.

This Machine is the same as 29K1, with the following exceptions:— No. 81915 949Feed Motion Bell Crank Lever *81926 Lower Arm and Bed 82028 162 Lifter ... 81927Needle Bar п Clamp with 237f 81888 Needle Bar, complete, Nos. SS50d, 8656, 81888, 81927 and two 81928 163 Needle Bar Piston Joint ... 81891 16281929 164 Tension Cup ... Vibrating Presser Lifting Lever ... 81930 949

Bobbin Winder for Nos. 29K1 to 29K21 Machines.

No.	Plate	
81974	169	Frame with 8568
8568	169	" Stop Pin
28f	169	п Screw
81975	169	" Spring
7958	169	" Steady Pin
8651	169	Spindle
8371	169	" Pulley
2460	169	и и Rubber Ring
81976	169	Bobbin Winder, complete, Nos. 28f, 2460, 7958, 8371, 8615, 81974 and 81975

NUMERICAL LIST OF PARTS FOR

CLASS 29K MACHINES.

No.	Plate	•
7 d	170	Shuttle Driving Lever Bearing Screw
NN16d	949	Braid Bobbin Screw Spindle Thumb Nut for
		81914
RR18	161	Vibrating Presser Roller for 81861, 81882 and 81981
28f	169	Bobbin Winder Frame Screw for 81976 (Obs.)
41d	170	Vibrating Presser Lifting Lever Screw
41d	170	Vibrating Presser Regulating Lever Screw
SS45e	170	Balance Wheel Hub Screw for 29K2, 29K4,
		29K11, 29K13, 29K15, 29K18 29K23,
CC20.1	170	29K31 and 29K33 Machines
SS50d	170	Needle Bar Clamp Screw for 81857, 81889, 81928, 81940 and 82031
66f	170	81928, 81940 and 82031 Lifter Bearing Screw
NN66d	170	Check Lever Thread Take-up Adjustment
11110000	1	Screw Thumb Nut
SS79d	169	Bobbin Winder Frame Thumb Screw (to
		fasten to Bracket) for 81972 and 81973
84d	170	Needle Plate Bearing Screw
84d	170	Throat Plate Binding Screw for 81924 and
		81932
118e	170	Arm of Machine Base Screw
123e	170	Lower Arm and Bed Binding Screw for 81895 and 81903
128d	170	Bobbie Winder Frame Screw for 81966
128d	170	Head Binding Screw
128e	170	Machine Screw (for fastening Machine to
		Stand) for 29K1 to 29K4, 29K10 to 29K18, and 29K21 to 29K23 Machines
<i>SS</i> 130e	162	Machine Screw (for fastening Machine to
		Power Table) for 29K1 to 29K4, 29K10 to
		29K18 and 29K21 to 29K23 Machines
SS132d	170	Shuttle Tension Regulating Screw for 81952
SS133d	170	Needle Bar Thread Tension Spring Screw for
		81857, 81889, 81928, 81940 and 82031
SS133d	170	Shuttle Bobbin Retaining Spring Screw for 81952
SS135d	170	Balance Wheel Handle Spindle for 29K2,
		29K4, 29K11, 2 9K13, 29K15, 29K18,
		29K23, 29K31 and 29K33 Machines

ß