# 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

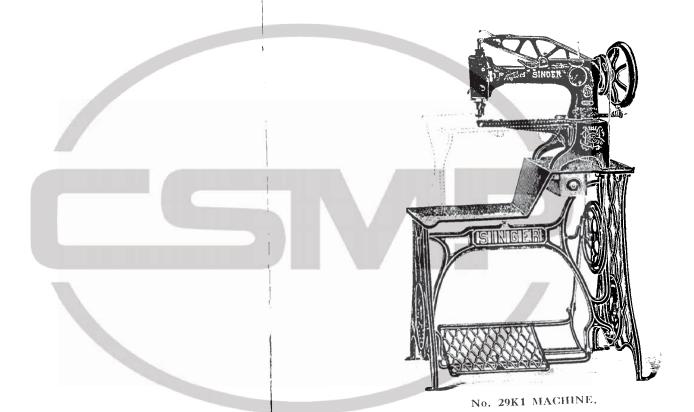
29K21 to 29K23

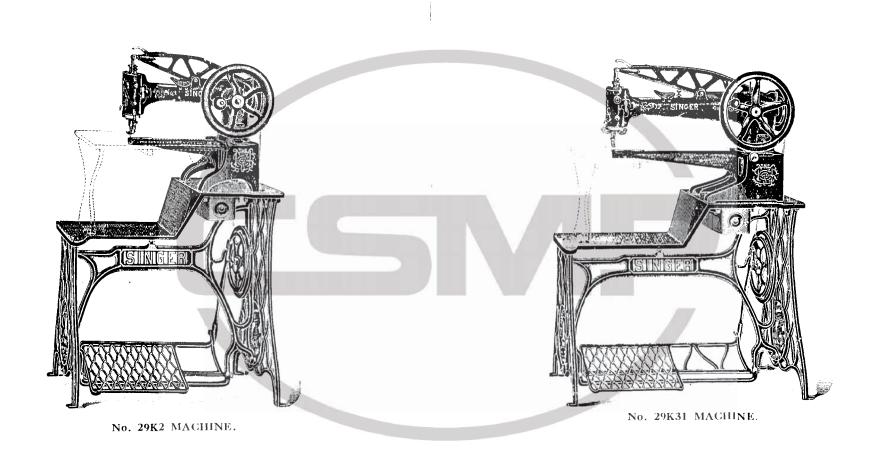
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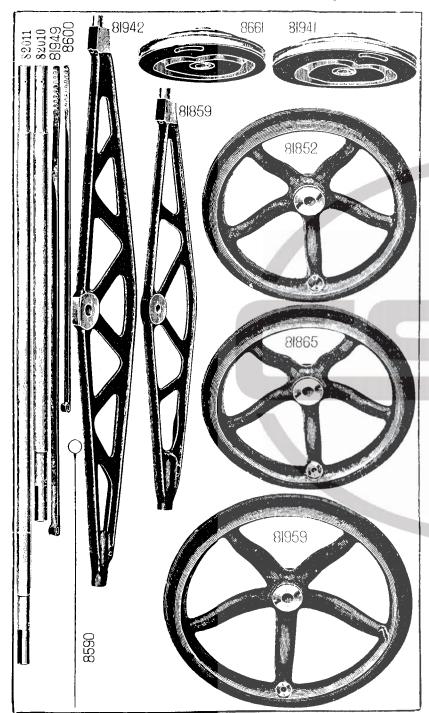
29K30 to 29K33

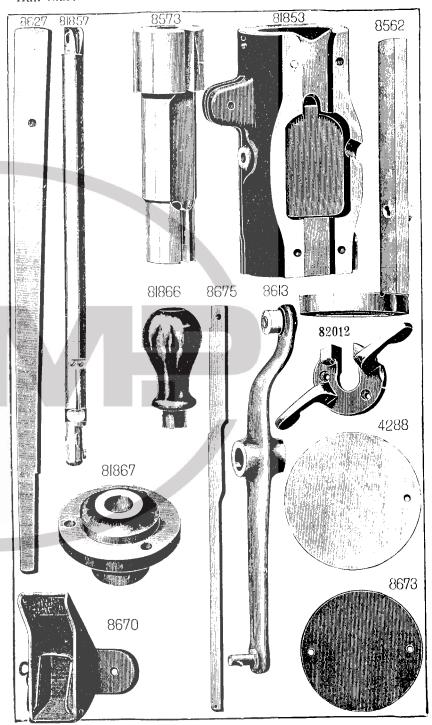
MACHINES.

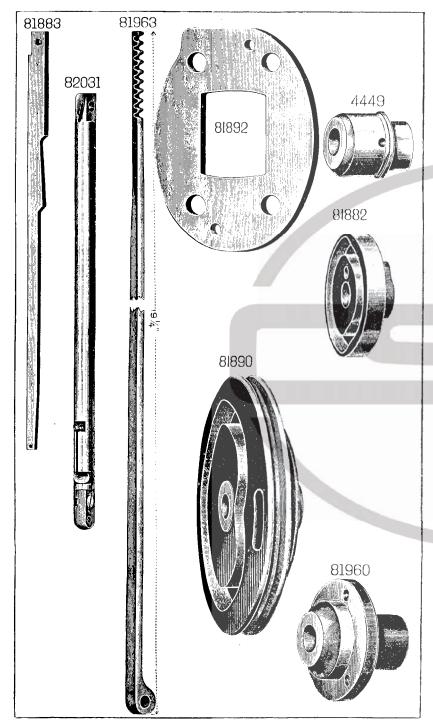
THE SINGER MANUFACTURING COMPANY.



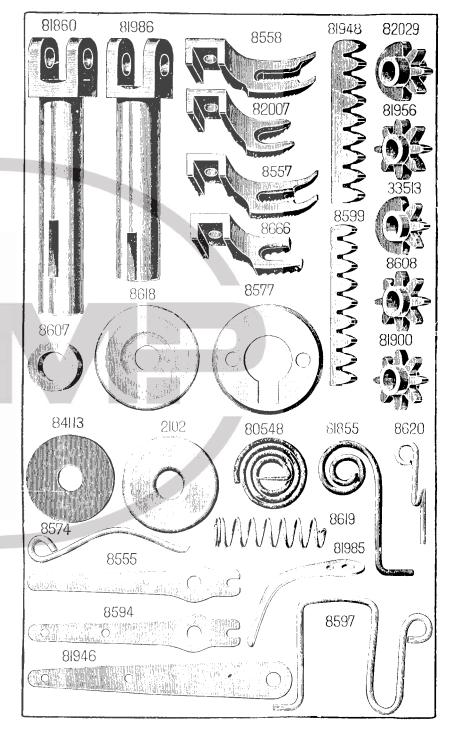


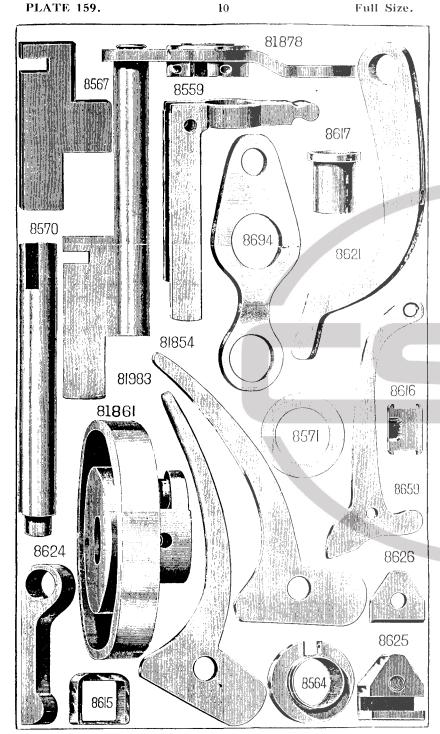


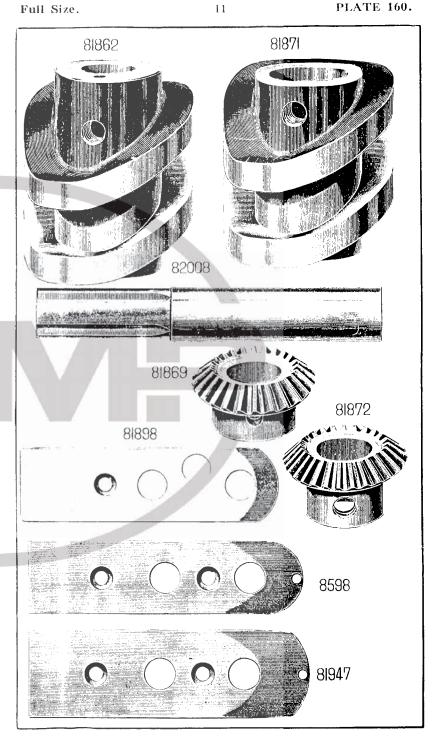


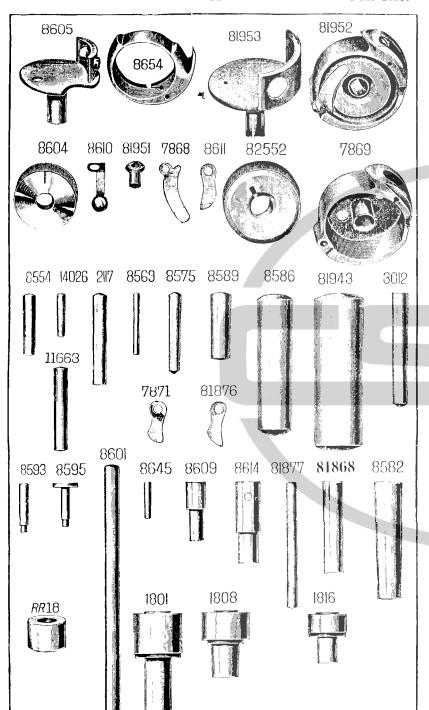


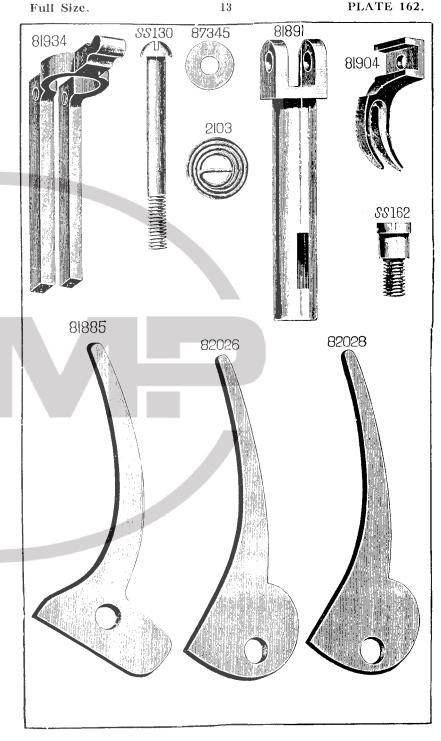
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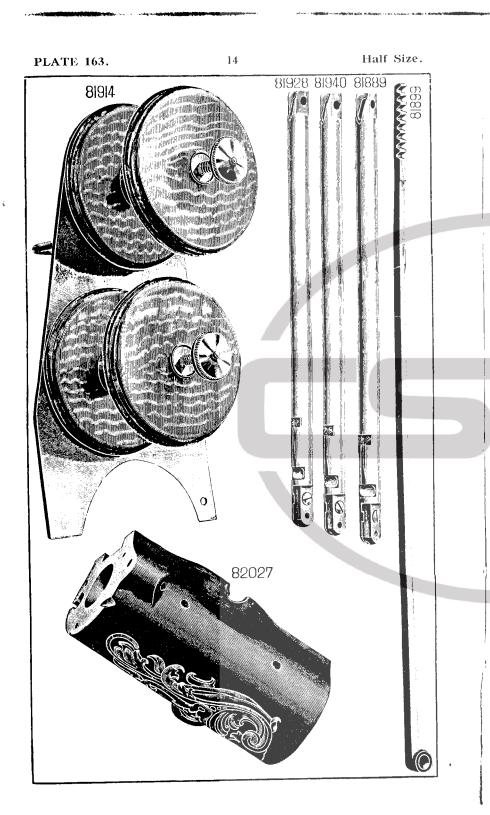


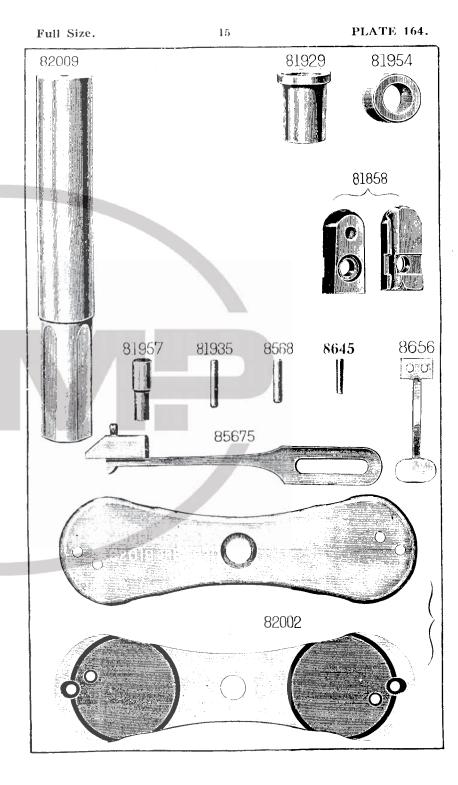




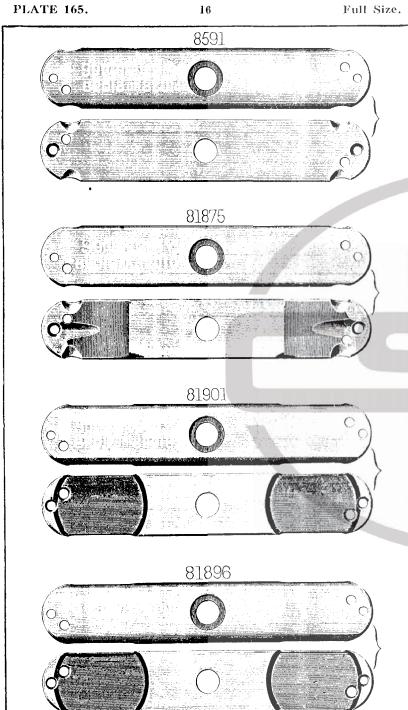


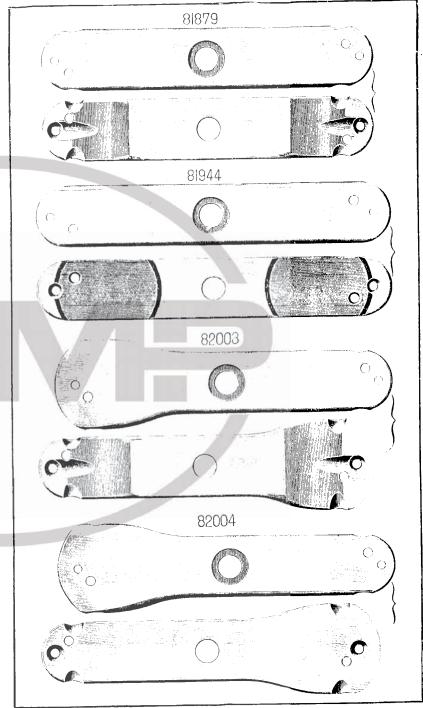


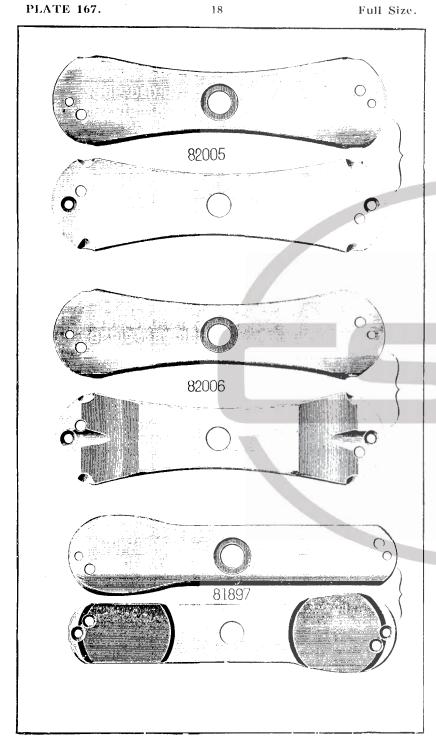


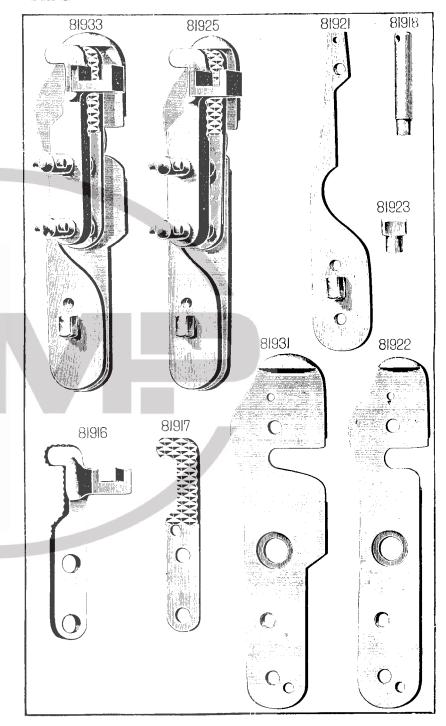


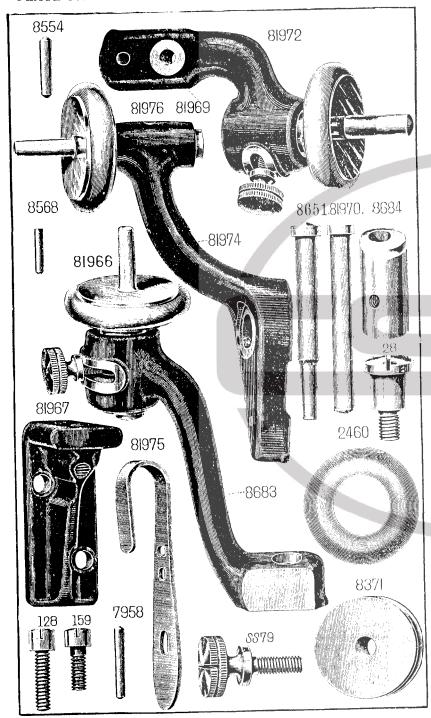
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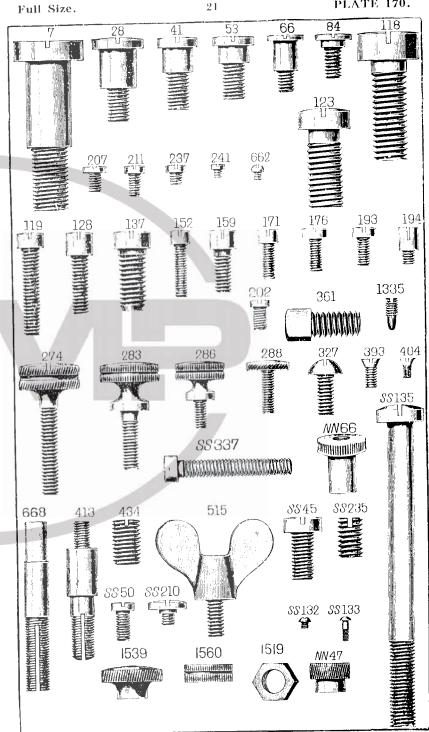


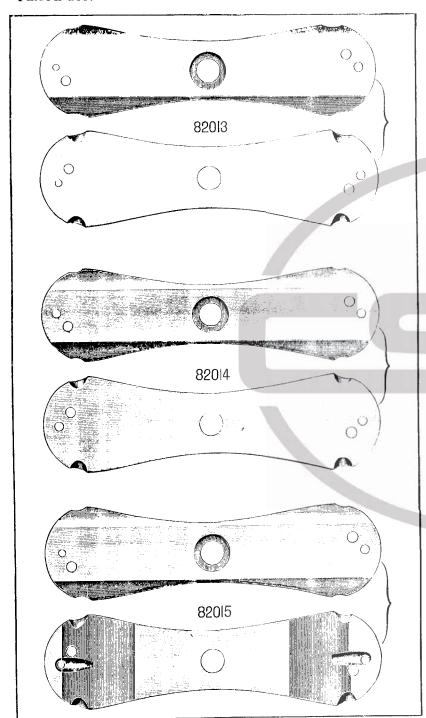


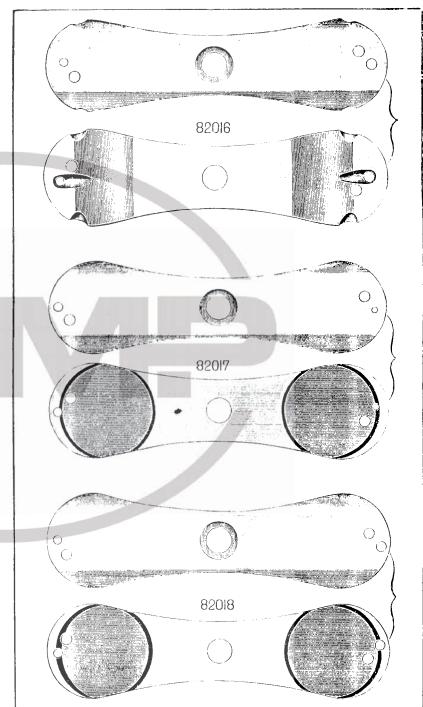








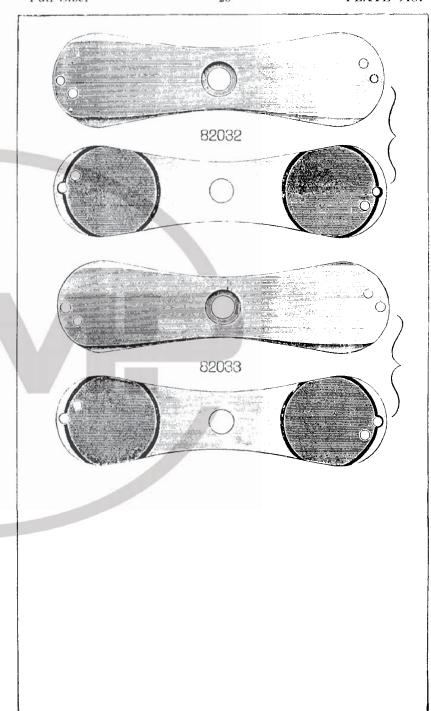


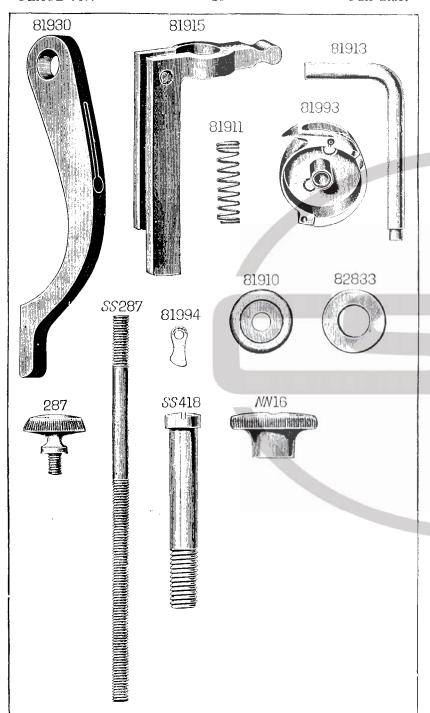


Full Size.

25

PLATE 948.





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#### 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.

n NN n 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: -

1 to 1500 and 50001 to 51500 are Screw Numbers.

1501 " 1800 are Nut Numbers.

1801 n 2000 n Roller n

2001 a 50000 are numbers of machine parts, etc.

80001 n 100000 are numbers of machine parts, etc..

made only at Singer.

Parts marked with an asterish (\*) 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	Mach	iine w	ith 44	49					
118e	170	0.00	11	1	Base S	screw					
4288	156	D			Side C	over	(Ba	ck)			
286d	170	0.00	11		11	11	Thu	mb Scre	w		
8673	156	0.00		,	11	11	(Fre	nt)			
207e	170	и п			11	f1	Scre	w			
81852	155	Balance	Whe	eel wit	h two	434		***			
434c	170	n	"	. Set	t Scre	w		• • •	• • •	•••	
8659	159	Check I	ever								
8554	161	11	н	Joint	Pin						
8555	158	11	П	Spring	g						
207d	170	11	D	11	Scre	W					
14026	161	ir.	0	11	Stea	dy F	in				
SS337f	170	4)	- 11	Threa	d Tak	e-up	· Adj	ustment	Screw		
NN66d	170	ч	11.	п		H		**	н ,	Thumb Nut	
82007	158	Feeding	Foot	t							
8557	158	11	11	(Narı	row F	ork)	(fine	•)			
8558	158	11	- 11	( ::	1	11 )	(coa	.rse)			
193d	170	0	11	Scre	w	• • •					
		NOTENo	. 82007 Feeding	is supp g Foot i	lied wi s speci	th thi fied o	is Mac in ord	hine unle ler.	ss other		
8559	159	Feed M	otion	Bell (	Cranl	ι Le	ver				
194e	170	71	11	+1	11		н	Joint Scr	ew		
81861	159	U	(1	Cam '	Wheel	with	h(Rh	218 and 8	31868		
H663	161	11	11	11	11	Pi	n				
8562	156	11	н	Ring	Slide	Bar	with	1816			
1816	161	U.	11	U	11	11 (	Cam	Roller a	nd Stud		• • •
										3	

00.17.1	MACHINE	DADTS
23117	TALENTA CONTRACTOR OF THE STATE	1 / \ 1\ k \ 2\

		No. 29K1 MACHINE PARTS.	35
No.	Plate		
81860	158	Needle Bar Piston Joint	
8589	161	n n n n Pin	
8590	155	n Threading Wire	• • •
(1) (1)	266	Needle Plate (Fine and Medium Needle Holes)	
82013	266	A STATE OF THE STA	
82014	170		
84d 8593	161	and the second s	
8594	158	n n Catch Pin	
8595	161		
207d	170	n n n n Serew	
		NOTE, No. 82014 is sent with this Machine unless other Needle Plate is specified on order.	
8670	156	Oil Cup with 8597 and 8695	
8695		в в Oil Pad (Felt)	
327d	170	n n Serew	
8597	158	" " Spring	
8598	160	Pinion Cover Plate	
393c	170	n n Serew	
8599	158	Rack (Short)	
8600	155	Rack Connection Rod (Long)	
82010	155	Shaft	
4449	157	n Bushing	
8604	161	Shuttle Bobbin	
8654	161	n Body	
8611	161	" Tension Spring	
662d	170	n Regulating Screw	
0.200		<b>Shuttle,</b> complete, Nos. 662d, 8604, 8611 and 8654	
8603		Shurtle, complete, Nos. 60.21, 6004, 6011 and 5001	
8605	161	Shuttle Carrier, with 241d and 8610	
8610	161	9 9 Spring	
241d	170	Screw	
=			
33513	158	Shuttle Carrier Driving Pinion with 1335c	
33313 4335c	170	n n n n Screw Pin	
10000	170	H H H H H M CATCO (40)	

Bushing ...

Stud

Following Pinion ...

No.	Plate									
8675	156	Foot	Bar							
8564	159		11	Revolving	Joint			* * .		
8694	159	11	11	11	11	Bearing		- + +		
8566		11	11	4.9	12	13	8694  w	ith 8564	Land 85	71
8567	159		H	п	11	Guide I	Plate			
81935	164	11	11	11	ч	11	" Riv	et		
8569	161	11	п	er.	11	Hinge	Pin			
8570	159	11	11	11	11	Slide R	od			
8571	159	11	11	11	11	Washer				
01070	150		-							
81878	159	Foot	Bar	Revolving	Join	t, comp.	lete, Nos	. 8566,		
									twe	81935
82027	163	Head	of N	lachine						
128d	170	11	Bine	ling Screw						
8573	156	12	Reve	olving Bush	ı .					
8574	158	11		11 11	Fric	tion Spr	ing			
207d	170	*1		ı) 11	11	- /	Scre	W		
8575	161	11		11 11	11	1	Pin			
82012	156	11		0 0	Han	dle				
152f	170	11		0 11	11	Scre	١V			
8577	158	11		v 11	Supi	orting	Washer		7	
211d	170	**		0 0		.,		Seren	,	
00000	1.00	T ! C4								
82026	162	Lifter								
66f	170	11	веал	ring Screw						***
*81856		Lowe	r Arı	m and Bed	1					
8582	161	11	11	н н	Stea	dy Pin				* * *
8655		Needl	le Ba	r						
81858	164	11	11	Clamp w	ith 23	7 f	\\			
SS50d	170		0	S	TCW					
2371	170	11		Needle C	lampi	ng Scre	w			
8656	164			Thread 7	Fensio	n Sprin	g			
SS133d	170	11	.,	11	11		Screw			
	150	NT . 11		r, complet				onen o	1050	id two
81857	156	Needl	ie Ba	r, complet	e, :NO	s. 5550	0, 8000,	5000, c		SS133d
									,	17,11,111,11
								0.03		
8661	155	Needl	le Ba	r Cam an	d Pul					***
3012	161	17	11	11 (3	11		a Pin			
361c	170	*1	- 0	11 11	11	,	n Set	Screw		
81859	155	Needl	e Ba	r Driving	Leve	, with	1801 and	14026		
8586	161	11	21	11	11	Joint	Pin			
1801	161	11	11	11	11	Cam	Roller ai	id Stud		

No.	Plate								
81862	160	Shuttle	Drivi	ng Cam w	cith 361c				
3012	161	11		. ,	'in				
1808	161	11			 Roller and				
361c	170	11			et Screw				
0020	1.0	,,	.,,	11 5,1	Ct OGCW		***		
8613	156	Shuttle	Drivi	ng Lever,	with 180	18 200	1 9814		
7d	170	11	11	ng never,	Bearing			* * *	
8614	161			,,	Stud		v	* * *	
14026	161	11	,,		n Pin				
	-01	.,	,,	- 11	17 1 111	• • • •	* * *	***	
8601	161	Spool P	'in	•••			•••		
8615	159	Stitch F	Redula	tor					
8616	159	n n	reguin "	Gib		• • •	***	***	
288d	170	11	"		b Screw			* * *	
2000		11	"	.1 11()11()	1) Cu -1 GW	- '''			
668d	170	Tension	ı Adin	sting Stu	a s				
1560d	170	11	-	t o	Thuml			***	
8617	159	17		Release)					
8618	158	11	Disc			• • • •	* * *	* * *	
84113	158	и		 Washer (L		• • • •	• • •		
8619	158	11	Spring				•••	***	
0010	1170		Oprin	5	•••				
8620	158	Thread	Evelet	t (Head of	Arm)				
207d	170	1)	"	Screw					
						•••		•••	
8621	159	Vibratir	ıg Pre	sser Liftii	nø Leve	r			
41d	170	11		1) 11		Scr			
8624	159	11			dating L				
515e	170	11			11		Tamping So		
8568	164					н	11	" Rivet	
41d	170				ti.		crew		
8625	159	10			11		dide Block	***	
8626	159				*1	**	14 11	Washer	
RR18	161			Rolle					
81868	161	10		11 11					
8627	156				ig (Flat)				
1539d	170	11		171	Lock				
274d	170	*1		r 11	Screw			***	
		**							
128e	170	Machine	Screv	v (for fast	ening Ma	ichine	to Stand)		
SS130e	162	11	, 2010,		•		to Power		
87345	162		10	*	(for use				
		**	•		,		- ,		

#### No. 29K2 Machine.

## UNIVERSAL FEED ARM. FOR GENERAL WORK, WITH SIDE WHEEL. This Machine is the same as 29K1, with the following exceptions:—

					,		'S chooling	
No.	Plate							
*81864	- —	Arm of	Machin	ie with	1 4449			 
81865	155	Balance	Wheel	with	two 434c			 
81866	156	11	*1	Handl	e (Wood)			 
SS135d	170	ч	н	· ·	Spindle			 
1519d	170	ir	- 0	11	11	Nut		 
81867	156	11	н	Hub		• • •		 
SS45e	170	11	- 11	11 5	Screw			 
82008	160	11	11	Shaft				 
81869	160	11	11	ti	Gear			 
11663	161	tt.	0	n i	n Pin			 
81871	160	Shuttle	Driving	g Cam	with $SS_2^2$	35c		 
81872	160	H	'1	11	Gear			 
SS235c	170			0	" 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 ... 82015 266Needle Plate (Fine and Medium Needle Holes) 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 2102158 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 following exceptions:

•				·	
No.	Plate				
*81864		Arm of Machine with 4449			 
81865	155	Balance Wheel, with two 434c			 
81866	156	н н Handle (Wood)			
SS135d	170	o o Spindle			 
1519d	170	n u er e Nut			
81867	156	u Hub			 
SS45e	170	n screw			 
82008	160	n Shatt			 
81869	160	п п Gear			 
11663	161	n n n Pin		/	 
8666	158	Feeding Foot			 
		NOTE Nos. 8666 and 82007 are sent with	this Mar	hine	
		unless other Feeding Feet are specified	on order		
283d	170	Head Revolving Bush Stop Thuml	b Screy	V	 
*81874		Lower Arm and Bed			 
		1 N 1 N	11 . 11 . 1	\	
82015	266	Needle Plate (Fine and Medium Nee			 
82016	267	n — n (Medium and Coarse N	eedle T	totes)	 *
		NOTE No. 82016 is sent with this Machine	noless o	other	
		Needle Plate is specified on order			
		Control Control			
81876	161	Shuttle Tension Spring			 
		<b>Shuttle,</b> complete, Nos. 662d, 8604, 8	8654 and	1.81876	 
81964		Shuttle, complete, 1803. 0024, 0007, 0			
01071	160	Shuttle Driving Cam, with SS235c			 
81871	160	Cone			 
81872	-	Cot Core			 
SS235c	170	n n n n set sere			
413d	170	Tension Adjusting Stud			 
2102	158	" Disc			 
$\frac{2402}{2103}$	162	n Spring			 
81877	161	" Thread Guide Pin			 
1560d	170	Tension Adjusting Stud Thumb Nut	t.		4/23

#### No. 29K10 Machine.

#### UNIVERSAL FEED ARM. FOR

FOR LONG STITCH.

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

No.	Plate					
81934	162	Feed Motion Bell Crank Leve	er			
81882	157	" Cam Wheel with	RR18 and	81868		• • •
81883	157	Foot Bar		* * *		
82028	162	Lifter	• • •			
*81886	7	Lower Arm and Bed				
81887	/ -	Needle Bar				
81888		n Clamp with 237f		• • •		
81889	163	Needle Bar, complete, Nos. S.	\$50d, 8656	, 81887,		d two S133d
81890	157	Needle Bar Cam and Pulley	Wheel wit	h 361c		
81891	162	n piston Joint			* * *	• • •
81892	157	Plate (acting as Pad between	Lower Ar	m and U	Jpper Ar	m)
SS162d	162	Vibrating Presser Lifting Le	ver 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	and the state of t	
*81864	PROCESS.	Arm of Machine, with 4449	
81865	155	Balance Wheel, with two 434c	
81866	156	n Handle (Wood)	
SS135d	170	" " Spindle	
1519d	170	n n n Nut	
81867	156	" " Hub	
SS45e	170	n a n Screw	
82008	160	" " Shaft	
81869	160	n n Gear	
11663	161	п п п п н Ріп	
81934	162	Feed Motion Bell Crank Lever	
81882	157	" Cam Wheel with RR18 and 81868	
			Ĺ
81883	157	Foot Bar	
82028	162	Lifter	
*81886		Lower Arm and Bed	
81887	******	Needle Bar	
81888	*	n = n Clamp with 237f	
81889	163	Needle Bar, complete, Nos. SS50d, 8656, 81887, 81888 and two	
() <b>.</b> ()()		SS133d	
		5571000	
81890	157	Needle Bar Cam and Pulley Wheel, with 361c	
81891	162	" Piston Joint	
Oroor	102	" " " " " " " " " " " " " " " " " " "	
81892	157	Plate (acting as Pad between Lower Arm and Upper Arm)	
31			
81871	160	Shuttle Driving Cam, with SS235c	
81872	160	n n Gear	
SS235c	170	" " 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	Ann -	Lower Arm and Bed, complete, Nos. 81893, 81894 and four 123c	
123e	170	Binding Screw	
82030		Needle Bar	
82031	157	Needle Bar, complete, Nos. SS50d, 8656, 81858, 82030 and two SS133c	
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 n Pin	
8608	158	Following Pinion	
8609	161	0 0 0 0 0 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.	Plate				
*81864		Arm of Machine, with 4449			
81865	155	Balance Wheel, with two 434c	·		
81866	156	и и Handle (Wood)			
SS135d	170	, n n Spindle			
1519d	170	e e e Nut	***		
81867	156	n Hub		* * *	***
SS45e	170	n u Screw			
82008	160	" Shaft " "		* * *	1.0.1
81869	160	n n Gear			139
11663	161	n n n Pin		/	
*81893		Bed	1.1.1		
		*			
*81894	_	Lower Arm (Narrow)			
			1213721211 N		
*81895		Lower Arm and Bed, complete, Nos. 8	1893, 8	81894 and 1	OHE
		- NO.		1	23e
123e	170	Binding Screw	***	* * *	***
82030		Needle Bar			* * *
82031	157	Needle Bar, complete, Nos. SSa0d, 8656,	81858.	\$2030 and	two
0.2001	1477	Treeding series		.881	334
82032	948	Needle Plate (Fine and Medium Needle II	ioles)		
0=00=					
81898	160	Pinion Cover Plate			
01000	1				
81899	163	Rack Connection Rod (Long)			
	2				
81900	158	Shuttle Carrier Driving Pinion			
8645	161	u u u n Pin			
8608	158	u u Following Pinion			
8609	161	,, , , , , , , , , Stud			
***************************************	_				
81871	160	Shuttle Driving Cam, with SS235c			
81872	160	n n Gear			
SS235c		n n n Set Screw			
.,					

## No. 29K14 Machine.

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

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

No.	Plate								
81893		Bed							
8666	158	Feeding F NOTE.	001 Nos. 8666 other Feedi	 and 8200 ng Feet .	- oro - ed	 it with th fied on o	 is Machine rder.	 · unless	
283d	170	Head Reve	olving Bu	sh Sto	p Thur	nb Scr	ew		
*81891		Lower Ar	m (Narroy	v)				•••	
*81895	/	Lower Ar	m and Be	ed, com	plete,	Nos. 81	893, 81	894 and	four 123e
123e	170	11 (1	n 2	Bine	ling Ser	CW		•••	
82030		Needle Ba	ır						
82031	157	Needle B		te, Nos	. SS50e	1, 8656,	81858, 8	82030 and SS	l two 8133d
82033	948	Needle P	late (Medi	um and	Coarse	· Needle	: Holes)		
81898	160	Pinion C	over Plate						
81899	163	Rack Cor	mection l	Rod (Lo	mg)			•••	
.81876	161	Shuttle T	ension S <sub>I</sub>	oring .			•••		
81964		Shuttle,	complete	Nos. 66	2d, 860	4, 8654	and \$187	6	***
.81900	158	Shuttle (	Barrier D	riving	Pinion				
	161	11			11	Pin			
8645	151	p.		ollowing	g Pinior	1			
8608 8609	161	11	r.		11				
	. 150	Tonsion	Adjustin	ø Stud				***	
4130			Disc				* * *		
2102	158	17	Spring						
2103	162	н	Thread G						
$\frac{81877}{1560}$	161 d 170	Tension	Adjusting	Stud '	Thumb	Nut	• • •		

## UNIVERSAL FEED ARM, WITH NARROW ARM, 1" ACROSS AND 3" DEEP. FOR WAXED THREAD, WITH SIDE WHEEL.

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

					,	cric. I	OHOWH	ig exceptic	115	
No.	Plate									
*81864		Arm of	Mach	ine wit	h 4449	9				
81865	155	Balance	Whee	1 with t	wo 45	24.0				
81866	156	- 11	"		ile (W		197	***		
SS135d	170	11	11	11	,	indle	411	***		
1519d	170	11	n	11	•	н	 Nut	• • •		
81867	156	**	.,	Hub					***	
SS45e	170	**	.,		Screw				***	
82008	160	- 1+		Shafi				/		• •
81869	160	11		11	Gear					
11663	161	H	*1	11	11	Pin		A		
*81893		Bed .								
8666	158	Feeding	Foot							
283d *81894	170	Head Re			Stop	Thu	mb Sc	rew	• • • •	
01094		Lower A	rm (N	arrow)						
*81895		Lower A	rm an	d Bed,	comp	olete,	Nos.	81893, 81	894 and	four
12 <b>3</b> e	170	11	11 11	ti	Bindi	ing S	crew			
82030		Needle B	ar				• • •	***		
82031	157	Needle B	ar, co	mplete,	Nos.	SS50	d, 8650	3, 81858, 8		d two S133d
82033	948	Needle P	late (N	Medium	and C	`oarse	Needl	e Holes)		
81898	160	Pinion Co	over I	Plate			• • •		• • • •	
81899	163	Rack Con	nectio	n Rod	(Long	()				

		No. 29KI5 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 $n$ $n$ $n$ Pin		
8608	158	Following Pinion		
8609	161	n n n o Stud		
81871	160	Shuttle Driving Cam with SS235c		
81872	160	n o n Gear		
SS235c	170	n n n n Set Screw	•••	
413d	170	Tension Adjusting Stud		
2102	158	Disc	• • • •	***
2103	162		• • •	
		" Spring	• • •	
81877 1560d	161	n Thread Guide Pin		
190001	170	Tension Adjusting Stud Thumb Nut		4/23



#### No. 29K16 Machine.

UNIVERSAL FEED ARM, WITH NARROW ARM, 1" ACROSS AND \$" 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 Whool with the came and ca
_		" Cam Wheel with RR18 and 81868
81883	157	Foot Bar
82028	162	Lifter
*81894	•	Lower Arm (Narrow)
*81903	-	Lower Arm and Bed, complete, Nos. 81894, 81902 and four
		123e
123e	170	" " " Binding Screw
81887		Needle Bar
81888		" Clamp with 237f
81889	163	The state of the s
	100	<b>Needle Bar,</b> complete, Nos. \$\$\\$50d, 8656, 81887, 81888 and two \$\$\\$\$5133d\$
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	
8608	158	The state of the s
8609	161	Torkwing Fundi
	- ** 4	" " " " Stud
SS162d	162	Vibrating Presser Lifting Lever Screw

#### No. 29K17 Machine.

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

	This Ma	chine is the	same a	is 29K1	with t	he fo	llowi	ng exc	eptio	ns I ·-	
No.	Plate										
85675	164	Binder,	compl	ete, 3".	with Co	ard (	inide	in Cen	fre o	f Eoldor	
								711 ( (11	(11 ()	i i onitet	
81909		Braid B	obbin								
SS287d		10	11	Screw S	Spindle						
NN16d		п	17	H			mb S				
81910	949	11	**	0	11	Disc					
81911	949	11	- 11	н	- 11	п	Spri	ng			
81912	7-	Braid H	older	Brass	Base P	late	with	81913			
287d		н	14		-11	11		ing Th	umb		
81913	949	0	n	11	10	4				fasten	ng to
								` ,		Arm of	
81914	163	Desider	a.1.1.								
.,,,,,,	103	Braid H	olaer,	complet	te, Nos.	287	d, 819	H2 and	l two	each N	N16d,
							SS28	7d an	d 81	909 to	81911
81916	168	Feed Dog	5 (Han	er)							
81917	168	11 11					• • •	• • •			***
SS210d	170	II 11		) Posi		TOTAL	- • •	* * *			• • •
81918	168	II u		ion Stuc		1 ( ),		• • •			• • •
8645	164		-11		Stop	Pin		• • • •			
81920		Feed Do	g (Epp	er and	Lower	·), cc	mple	te, No	s. 53	S210d. 8	1916.
						819	17, t	wo eac	h 86	45 and	81918
010.50											
81925	168	Feed Dog	g and	Throat	Plate	con	hine	l, Nos.	819:	20 and 3	81924
81915	949	Feed Mot	ion Be	ell Crai	ık Lev	er					
2834	170	Head Rev	olving	Bush	Stop 7	Fhur	nb S	crew			
					-			,			
82028	162	Lifter									
							•	•••		• • •	• • • •
*81926		Lower Ar	m and	Bed							

No	Plate	
81927	-	Needle Bar
81888		n Clamp with 937f
81928	163	***
01846	103	Needle Bar, complete, Nos. SS50d, 8656, 81888, 81927 and two
		SS133d
81891	162	Needle Rem Dieter Later
0.200.2	102	Needle Bar Piston Joint
81929	164	Tension Cup
		Tension Cup
81921	168	Throat Plate (Upper) with areas
81922	168	Throat Plate (Upper) with 81923
393d	170	(1201/11)
81923	168	" ("Specialid Lower) Connecting Screw
84d	170	Di li C
286d	170	" " Binding Screw
	170	" Thumb Screw (for Binder)
81924		Throat Plate (Upper and Lower), complete, Nos. 84d, 81921.
		81922 and two 393d
81930	949	Vibrating Presser Lifting Lever

#### 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.	Plate				.,			.W	,	•	
*81864		Arm o	of Mach	ine wit	h 4449		•••				
81865	155	Balan	ce Whe	el with	two 434	łc					
81866	156	11	11	Hand	lle (Woo	od)					
SS135d	170	н	11	0	Spin	idle					
1519d	170	11	11	10	· ,,		Nut				·
81867	156	11	11	Hub							
SS45e	170	11	11	11	Screw						
82008	160	11	11	Shaf	t						
81869	160	11	11	ti	Gear						
11663	161	11	11	11	"	in				•••	
85675	164	Binde	r, compl	ete, 3″,	with Co	rd G	uide i	in Centr	e of I	folder	
81909		Braid	Bobbin								
SS287d	949	11	11	Screw	Spindle						
NN16d	949	11	11	4	Ž-n	Thu	mb N	լ ու			
81910	949	11	0	A		Disc					
81911	949	11		н	11	11	Spri	ng			
81912		Braid	Holder	Brass	Base P	late	with	81913			
287d	949	n	H	11	11	11	Bind	ing Thu	ımb S	crew	
81913	949	М	н	11	H	11	Pin	(Bent)		fastening Arm of M	
81914	163	Braid	Holder	, comple	ete, Nos	. 287			two e	each <i>NN</i> 909 to 81	16d,
81916	168	Feed I	Dog (U	oper)							
81917	168	11	π (Lov								
SS210d	170	11	н ( п	r ) Po	sition S	crew					
81918	168	11			ud						
8645	164	н	11		Stop	Pin					
81920		Feed 1	Dog (Ul	pper an	d Lowe					210d, 81 5 and 81	

No. 81925	Plate 168	Feed Dog and Throat Plate combined, Nos. 81920	and 81924
81915	949	Feed Motion Bell Crank Lever	***
28 <b>3</b> d	170	Head Revolving Bush Stop Thumb Screw	
82028	162	Lifter	
*81926		Lower Arm and Bed	
81927		Needle Bar	
81888		" " Clamp with 2276	
		" " Gamp with 2371	• • • • • • • • • • • • • • • • • • • •
81928	163	Needle Bar, complete, Nos. SS50d, 8656, 81888, 8192	7 and two SS133d
81891	162	Needle Bar Piston Joint	
81871	160	Shuttle Driving Cam with SS235c	
81872	160	n n Gear	
<i>SS</i> 235c	170	u u Set Screw	
81929	164	Tension Cup	
81921	168	Throat Plate (Upper) with 81923	
81922	168	" " (Lower)	
393d	170	" (Upper and Lower) Connecting Screw	
81923	168	" Binder Position Block	
84d	170	" " Binding Screw	
286d	170	" " Thumb Screw (for Binder)	
81924		Throat Plate (Upper and Lower), complete, Nos. 84 81922 and	d. 81921,
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	Plate		
85675	164	Binder, complete, 3", with Cord Guide in Centre of Folder	
21000		Braid Bobbin	
81909		Dittid 17000th 111	
SS287d	949	" Screw Spindle	
NN16d	949	n n n Thumb Nut	
81910	949	n n Disc	
81911	949	n n n n Spring	
81912	/	Braid Holder Brass Base Plate with 81913	
287d	949	" " Binding Thumb Screw	
81913	949	Pin (Bent) (for fasteni	ing to
01313	()'1 ()	Lower Arm of	
81914	163	Braid Holder, complete, Nos. 287d, 81912 and two each N	
		SS287d and 81909 to	81911
81916	168	Feed Dog (Upper)	
81917	168	n n (Lower)	
SS210d	170	n ( n ) Position Screw	
81918	168	Position Stud	
8645	164	n n stop Pin	
0010	101		
		and the community of th	01016
81920		Feed Dog (Upper and Lower) combined, Nos. SS210d,	
		81917, two each 8645 and	. 81918
81933	168	Feed Dog and Throat Plate combined, Nos. 81920 and	81932
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	
02020	11/2	AND THE STATE OF T	

#### No. 29K22 MACHINE PARTS.

		MACHINE PARTS.
No. *81926	Plate	Lower Arm and Bed
81887		•
81888		Needle Bar
		" " Clamp with 237f
81889	163	Needle Bar, complete, Nos. SS50d, 8656, 81887, 81888 and two
01000		SS133c
81890	157	Needle Bar Cam and Pulley Wheel with 361c
81891	162	" TISCOL TORIL
P1000		
81892	157	Plate (acting as Pad between Lower Arm and Upper Arm)
81921	140	
81931	168	Throat Plate (Upper) with 81923
393d	168	" (Lower)
81923	170	" (Upper and Lower) Connecting Con-
	168	" Binder Position Block
84d	170	" Binding Screw
286d	170	" Thumb Screw ffor Bird a " "
81932		Throat Plate (Lipper and L
		Throat Plate (Upper and Lower), complete, Nos. 84d, 81921.
		81931 and two 393d
E\$169a	169	81931 and two 393d
55162a	162	Vibrating Presser Lifting Lever Screw

## No. 29K23 Machine.

UNIVERSAL FEED ARM, WITH TOP AND BOTTOM FEED, FOR SHOE BINDING, FOR LONG STITCH ( † "), WITH SIDE WHEEL.

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

No.	Plate	e
*81864		Arm of Machine with 4449
81865	155	
81866	156	P Unadd (Mr. 1)
SS135c	1 170	" " Spindle
15196	1 170	No.
81867	156	n n Hub
SS45e	170	n Screw
82008	160	" " Shaft
81869	160	n u Geer
11663	161	U U Din
		" " " 1'III
85675	164	Rinder complete 3% out of
		Binder, complete, 3", with Cord Guide in Centre of Folder
81909		Post ( P. 111
SS287d	949	Braid Bobbin
NN16d	949	" Screw Spindle
81910		" " " " Thumb Nut
81911	949	" Disc
01011	949	" " " " Spring
81912		Braid Holder Brass Base Plate with 81913
287d	949	" " Binding Thumb Corner
81913	949	Pin (Bent) (for fastening
		to Lower Arm of Mch.)
		•
81914	163	Braid Holder, complete, Nos. 287d, 81912 and two each NN16d.
		SS287d and 81909 to 81911
		2 70 and 51303 to 31311
81916	168	Feed Dog (Upper)
81917	168	" (Lower)
SS210d	170	" Position Sorom
81918	168	n Position Stud
8645	164	the transfer of Stone Disc
81920		" " (Upper and Lower) combin 1 N
		** (* 1761 and Lower) combined, Nos. \$\$210d, \$1916.
		81917, two each 8645 and 81918

No. 81933	Plate 168	Feed Dog and Throat Plate combined, N	Nos. 8192	0 and 81	932
81934	162	Feed Motion Bell Crank Lever			
81882	157	$_{ m tr}$ Cam Wheel with $RR18$ and $8$	1868		
81883	157	Foot Bar	• • •		• • • •
283d	170	Head Revolving Bush Stop Thumb Screen	ew		
82028	162	Lifter			
*81926		Lower Arm and Bed		***	
81887 81888		Needle Bar	•••		
81889	163	Needle Bar, complete, Nos. SS50d, 8656, 8	1887, 818		
				SSI	33d
81890	157	Needle Bar Cam and Pulley Wheel with	361c		
81891	162	n Piston Joint		•••	
81892	157	Plate (acting as Pad between Lower Arm an	d Upper	Arm)	
81871	160	Shuttle Driving Cam with SS235c			
81872	160	n n Gear			
SS235c	170	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	u u Binding Screw			
286d	170	n Thumb Screw (for Binder)			
81932		Throat Plate (Upper and Lower), comple	ete, Nos. - <b>81931</b> -a	84d, 819 nd two 3	921 · 193d
SS162d	162	Vibrating Presser Lifting Lever Screw			

#### PARTS COMPLETE

FOR

## 29K30 MACHINE.

UNIVERSAL FEED ARM, 171" FROM NEEDLE TO BASE OF ARM, FITTED FOR WAXED THREAD.

No.	Plate								
*81936		Arm of	Machi	ne with	449	• • •	• • •		
118e	170	11 11	n	Base S	Screw		• • •		
4288	156	16 11	11	Side (	`over	(Back)			
286d	170	tl ti	f1	II.	fI	Thumb Screv	v		
8673	156	н н	17	11	U	(Front)			
207e	170	11 17	11	, "	14	Screw	•••		
81937		Balance	Whee	1 with tw	o 434	с	• • •		
434c	170	11	et	Set Scre	ew				
8659	159	Check L	ever						
8554	161	. It .	n J	oint Pin					
8555	158	11	0 / S	Spring					
207d	170	11	10	n Sct	ew				
14026	161		11	n Ste	ady 1	?in			
SS337f	170		0 1	Thread Ta	ıke-uı	Adjustment	Screw		
NN66d	170		11	н	**	11	11	Thumb Nu	ıt
82007	158	Feeding			• • • •	:			
8666	158	11	11	for Waxe	d Thi	ead			
8557	158	11	11	(Narrow	Fork)	(Fine)		• • • •	
8558	158	10	11	( 11	11 )	(Coarse)			
193d	170	11	17	Screw					
	1					with this Machi cified on order.	ne unles	s	

8559	159	Feed	Motion	Bell	Crank	Leve	r	•••	
194e	170	- 11	н	11	It	11	Joint Sc	rew	
81861	159	tr	11	Cam	Wheel	with 1	RR18 and	81868	
11663	161	11	11	11	†1	Pin			
8562	156	11	11	Ring	Slide I	3ar wi	th 1816		
1816	161	11	11	0	11	o Ca	ım Roller	and Stud	

Ma	DI-A-		
No. 8675	Plate 156	Foot Bar	No Plate 81860 158 Needle Bar Piston Joint
8564	159	D. I. T. C.	
8694	159	n n n o Bearing	8590 155 " " Threading Wire
8566	150	" " 8694 with 8564 and 8571	
8567	159	n n n Guide Plate	82019 268 Needle Plate (Fine and Medium Needle Holes)
81935	164	n n n Rivet	82020 268 " " (Medium and Coarse Needle Holes)
8569	161	n n n Hinge Pin	84d 170 " Bearing Screw
8570	159	ıı ıı ıı Slide Rod	8593 161 " " Catch Pin
8571	159	n n n washer	81946 158 " " " Spring
81878*	159	Foot Bar Revolving Joint, complete, Nos. 8566, 8567, 8570	8595 161 " " " " Stud
		and two 81935	207d 170 " " " " Screw
82027	163	Head of Machine	NOTE.—No. 82020 is sent with this Machine unless other Needle Plate is specified on order.
128d	170	n Binding Screw	
8573	156	Revolving Bush	8670 156 Oil Cup with 8597 and 8695
8574	158	n n Friction Spring	8695 · " Oil Pad (Felt)
207d	170	n n n n Screw	327d 170 " Screw
8575	161	и и и и Pin	8597 158 " " Spring
82012	156	u u Handle	0.001 1.00 11 11 14 14 14 14 14 14 14 14 14 14 14
152f	170	n n Serew	81947 160 Pinion Cover Plate
283d	170	Stop Thumb Screw	
8577	158	" Supporting Washer	393e 170 " Screw
211d	170	n n n n screw	81948 158 Rack (Short)
2110	110		81948 198 Kack (5001c)
00000	100	T iften	81949 355 Rack Connection Rod (Long)
82026	162	Lifter	Alasa las Reck Confection Rose (1888)
66f	170	Bearing Screw	82011 155 Shaft
*81938		Lower Arm and Bed	
$\bf 8582$	161	и и и Steady Pin	Control of the contro
			82552 161 -Shuttle Bobbin (Solid, Hardened)
81939		Needle Bar	7868 161 " Retaining Spring
81858	164	n Clamp with 237f	SS133d 170 " " " Screw V
SS50d	170	n n Screw	81993 949 • Body
237í	170	" Needle Clamping Screw	81994 949 Tension Spring
8656	164	" " Thread Tension Spring	SS132d 170 " Regulating Screw
SS133d	170	n n n n screw	81951 161 " Thread Pull-off
			404d 170 1/ 13 c " " Screw
81940	163	<b>Needle Bar,</b> complete, Nos. SS50d, 8656, 81858, 81939 and two	81952 161 (Shuttle, complete, Nos. SS132d, SS133d, 404d, 7868, 81951,
		SS133d	81993, 81994 and 82552
81941	155	Needle Bar Cam and Pulley Wheel with 361c	
3012	161	n n n n n Pin	81953 161 Shuttle Carrier
361c	170	n n n n Set Screw	81954 164 " " Box Bushing
9016	1117	• • • • • • • • • • • • • • • • • • •	82029 158 " " Driving Pinion with 1335c
01010	1	No. 41. Dev. Delegas I over with 1901 and 14000	1335c 170 " " " Screw Pin
81942	155	Needle Bar Driving Lever with 1801 and 14026	13,000
81943	161	n n n Joint Pin	
1801	161	n n n n Cam Roller and Stud	81957 164 n n n n Stud

No	Plate	a							
81862	160		Driving				***	* * *	
3012	161	н	11		in		***		
1808	161	#1	11		toller and		d		
361c	170	fi.	11	n Si	et Screw	• • •	• • •	***	
8613	156	Shuttle	Driving	Lever	with 180	8 and	1.8614		
7d	170	11	11		Bearing 3				
8614	161	11			Stud				
14026	161	II.		11	n Pin				
						• • • •	•••		
8601	161	Spool P	in	• • • •	• • •				
8615	159	Stitch I	Regulato						
8616	159	11	veguato "	Gib	***	- 199			• • • •
288d	170				·	<i>/</i>		• • •	• • •
200U	170	"	11	Thunn	b Screw	,	***		• • • •
668d	170	Tension	n Adjust	ing Stu	d /				
413d	170	11	11	11	for Wa	ixed	Thread		
1560d	170	11	11	11	Thuml	> Nut	t		
8617	159	11	Cup (R	elease)			ali.		
8618	158	11	$_{ m Disc}$				/		
2102	158	11	п for	: Waxed	Thread				
84113	158	11	n Wa	asher (Le	eather)		A		
8619	158	11	Spring						
80548	158	11	ır f	for Waxe	ed Threa	rI			
81877	161	н	Thread	Guide P	in for W	axed	Thread		
8620	158	Thread	Eyelet (	head of	arm)				
207d	170	11	,	Screw .					
2010	1.0	"	17 C	JGI (.W .			•••		
8621	159	Vibrati	ng Press	ser Lifti	ng Leve	r	4.1.4		
41d	170	0	11	U	11	Scr	ew		
8624	159	11	- 11	Regu	lating Le	ever			
515e	170	11	11		п	11 1	Clamping S	crew	
8568	164	11	н		11	H	II.	n Rivet	
41d	170	11	11		11	0	Screw		
8625	159	11	11		п	D.	Slide Block		
8626	159	11	11		**	11	13 11	Washer	
RR18	161	*1	11	Rolle	r				
81868	161	11	11	I†	Pin				
8627	156	,,	11	Sprin	g (Flat)				
1539d	170	t)	11		Lock 1	Vut			
274d	170	н	11	11	Screw				
107	150	3.5	- C-	/f f		1 .	- 1 - (9 - 1)		
137e	170			*			e to Stand)		•••
SS418e	949	11	11	,			e to Power	,	
82833	949	14	17	Washer	(for use	with	55418)		

#### 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 I	Machin	e with	4449	•••	 • • •	• • •
81959	155	Balance	Wheel	with t	wo 434c		 	
81866	156	11	11	Hand	le (Woo	d)	 	
SS135d	170	н	11	н	Spind	.le	 	
1519d	170	- 11	ir.	11	11	Nut	 	
81960	157	11	11	Hub		•••	 	
SS45e	170	н	12	11 5	Screw		 • • • •	
82009	164	н	11	Shaft			 	
81869	160	11	n y	11	Gear		 	
11663	161	0	+1	- 31	n P	in	 • • •	
		231 441 · 3	S	(Com	:41v C	C9950		
81871	160	Shuttle	Driving	g Cam		32000	 	
81872	160	11	- 11	11	Gear		 	
SS235c	170	tt.	11	1†	n S	et 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								
*81962		Lower	Arm a	nd Dad					
		- " " " " "	**********	nu bea	• • • •				
8655		Needle	Bar						
81857	156	Needle	Bar, o	emplete	e Nos s	SS50d, 8658	. 0000	0.1050	
					21000	7. 100a, 70ge	), oueu, i		
82015	266	Needle	Plate	(Fine ar	nd Media	ım Needle I	T1 \	,	881334
82016	267	11	"	Mediun	and Co	arse Needle	Totes)		
8594	158	11	и (	Catch P	in Spring	g		• • • •	•••
		NOTEN				achine unless	41 27		• • •
				Plate is s	specified c	acame umess m order,	other Ne	dle	
8598	160	Dinter							
0000	100	Pinion	Cover	Tate					
8599	158	Rack (S	hort)						
	100	Mack (S	пост	• • •	• • •	• • •			
81963	157	Rack Co	mnooti	on D - 1	/*				
	10,	Rack Co	лиесп	on Roa	(Long)				***
8604	161	Character	n						
8654	161	Shuttle							
81876	161		Body						
662d	170		Tension						
0020	170	0	н	Regula	ting Scre	ew			
81964		Shuttle,	complet	le, Nos.	662d. 86	304, 8654 an	1.91976		
			•		,	, 000 F AII	01010		
8605	161	Shuttle (	Carrier	with 24	tld and	9610			
8610	161	"	11	Spring	···				
$24  \mathrm{Id}$	170	11	11		Screw		,	• • •	
33513	158	17				 with 1335c	***		
8607	158	11	11	n n	, кипон	Bushing			***
8609	161	11	11	"		Stud			
8608	158	FF.			ng Pinio		• • •	* * *	***
			.,	3 OHOW1.	08 J. 1010	11		• • •	
2103	162	Tancion	Coul						
~.50	102	Tension	opring		• • •	• • •			

#### 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.

This Machine is the same as 29K30, with the following exceptions: No. Plate \*81958 Arm of Machine with 4449 81959 155 Balance Wheel with two 434c 81866 156 " Handle (Wood) SS135d 170 Spindle 1519a170 Nut 81960 157 Hub SS45e 170 o Screw 82009 164 Shaft. 81869 160 n Gear 11663161 \*81962 Lower Arm and Bed 8655 -----Needle Bar 81857 156 Needle Bar, complete, Nos. 8850d, 8655, 8656, 81858 and two SS133d82015 Needle Plate (Fine and Medium Needle Holes) 26682016 267 " (Medium and Coarse Needle Holes) 8594 158 Catch Pin Spring ... NOTE. - No. 82016 is sent with this Machine unless other Needle Plate is specified on order. 8598 160 Pinion Cover Plate 8599 158 Rack (Short) 81963 Rack Connection Rod (Long) 157 8604 Shuttle Bobbin ... 161 8654 161 Body ... 81876 161 Tension Spring ... 662d170 Regulating Screw 81964 Shuttle, complete, Nos. 662d, 8604, 8654 and 81876 8605 161 Shuttle Carrier with 241d and 8610 33513 158Driving Pinion with 1335c ... 8607 158 " Bushing 8609 161 " Stud 8608 158 Following Pinion ... 8610 161 Spring ... 241d170" Screw 81871 160 Shuttle Driving Cam with SS235c 81872 160 и Gear SS235c170 set Screw 2103162Tension Spring

81969 and 81971

82552

137e

Bobbins (5)

#### ACCESSORIES.

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

8604	161	Bobbins (5)					
	_	Instruction Book	***				
$29 \times 4$		Needles (2 each size	s 19, 21 and 2	(2)			
8590	155	Needle Bar Thread	ing Wire				
36569		Oiler with 36571			ć	- + -	
36571		п Spout, 13" lor	ıg				
25537		Screw Driver (Mac	hine)	ii.			
25538		" " (Shut	tle Tension)	<i></i>			
128e	170	Screws (4) (for fas	stening Mach	ine to Su	nd), for	29 KT to 5	29 K 4
		29K10 to 29K	18 and 29K2	1 to 29 K:	23 Machir	es	
137e	170	Screws (4) (for faste	ening Machin	e to Stanc	l), for 291	<32 and 2	9K3
		Machines	. /				
ACC	CESSC	ORIES supplied wi	th Nos. 291	<30 and	29K31	Machine	s
Thes	se Acces	ssories are the same a	as for 29K1	to 29 K4 e	etc., Macl	nines, wit	h th
following	except	ions :—					
_							

#### BINDERS.

Screws (4) (for fastening Machine to Stand) ...

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, §", with Cord Guide in Centre of Folder	
85676		Binder, complete, §", with Cord Guide at Side of Folder	
85677		Binder, complete, §", less Cord Guide	

#### BOBBIN WINDERS.

BOBB	IN W	INDER (Eccentric) fo	r Nos.	29K1 to	o 29K23	Mach	ines.
No.	Plate						
8684	169	Eccentric					
286d	170	n Thumb Screw					
8683	169	Frame	* * *		• • •		
128d	170	п Screw					
8651	169	Spindle					
81965		<sub>11</sub> 8651 with 8371					
8371	169	n Pulley					
2460	169	n Rubber R					
81966	169	Bobbin Winder, compl	ete. No	s. 128d,	286d, 246	0, 8683,	8684
ВОВВІ	N WI	NDER (Eccentric) for	Nos.	29K30 a	nd 29K3	31 Mac	hines
BOBBI 81967	N WI	NDER (Eccentric) for Bracket (to fasten to Ma			nd 29K3 	31 Mac	hines 
			chine)				
81967	169	Bracket (to fasten to Ma	chine)	• • •	•••	• • •	
81967 159f	169 169	Bracket (to fasten to Ma	 	•••	•••	•••	
81967 159f 81968	169 169	Bracket (to fasten to Ma " Screw Eccentric " Thumb Screw	 				
81967 1596 81968 286d	169 169 170	Bracket (to fasten to Ma " Screw Eccentric " Thumb Screw	 	•••			•••
81967 1596 81968 286d 81969	169 169 170 169	Bracket (to fasten to Ma  " Screw Eccentric  " Thumb Screw Frame with 8554	 	•••			•••
81967 159f 81968 286d 81969 8554 8579d 81970	169 169 	Bracket (to fasten to Ma  "Screw  Eccentric  "Thumb Screw  Frame with 8554  "Steady Pin  "Thumb Screw (to  Spindle	chine) fasten	•••			•••
81967 159f 81968 286d 81969 8554 8879d 81970 81971	169 169 — 170 169 169 169	Bracket (to fasten to Ma  "Screw  Eccentric  "Thumb Screw Frame with 8554  "Steady Pin  "Thumb Screw (to Spindle  "81970 with 8371		    to Bracke	   t)		
81967 1596 81968 286d 81969 8554 8579d 81970 81971 8371	169 169 ————————————————————————————————	Bracket (to fasten to Ma  "Screw  Eccentric  "Thumb Screw Frame with 8554  "Steady Pin  "Thumb Screw (to Spindle  "81970 with 8371  "Pulley	chine) fasten	   (o Bracke 	   t)		
81967 159f 81968 286d 81969 8554 8879d 81970 81971	169 169 	Bracket (to fasten to Ma  "Screw  Eccentric  "Thumb Screw Frame with 8554  "Steady Pin  "Thumb Screw (to Spindle  "81970 with 8371	chine) fasten	   to Bracke  	    t)		

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 Eccentric 81968 286d170 Thumb Screw 81969 169 Frame with 8554 ... 8554 169 Steady Pin 169 Thumb Screw (to fasten to Bracket) ... SS79d 8651 169 Spindle ... 81965 8651 with 8371 8371 169 Pulley ... 2460 169 Rubber Ring 81973 Bobbin Winder, complete, Nos. SS79d, 286d, 2460, 81965, 81968 and 81969

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 29 K2 Machine		
81997		Hub for 29K2 Machine		
81998		Shaft for 29K2 Machine		
81999		и и и Gear for 29K2 Machine		
81978	_	Check Lever for 29K1 Machine		
0.1001		Feed Motion Cam Wheel with RR18 and 81868 fo	r 29 K I	
81981		Feed Motion Cam wheel with Aberra and a lower		chine
2117	161	n n n Pin		
81979		Foot Bar Revolving Joint Guide Plate		
01003		Head of Machine for 29K1 Machine		1.6.4
81982	150	6 00771 00170 001710 to 20		9 K 13,
81853	156	29K16 to 29K18, 29K21 to 29K23 and 29K	30 to 1	29   (33
		Machines		
81873	arrested as	Head of Machine for 29K3, 29K4, 29K44 and 291	\$15 Ma	chines
81983	159	Lifter for 29K1 Machine		
81854	159	29K1 to 29K4, 29K12 to 29K15 and 291	₹30 to :	29K33
01001	100	100	Ma	.chines
81885	162	" " 29K10, 29K11, 29K16 to 29K18 and 291	K21 to	29K23
			Ma	chines
81984		" Centre for 29K1 Machine		
81985	158	" Spring for 29K1 Machine		
81855	158	" Spring		
01000				
81988		Needle Bar Cam and Pulley Wheel for 29K1 Ma	achine	
81987		Driving Lever with 1801 for 29K1 Ma	chine	
81986	158	" Piston Joint for 29K1 Machine		
01000	100			
8591	165	Needle Plate for 29 K1, 29 K2, 29 K10, 29 K11 and	29K21 M	achines
82004	166	Needle Plate (Broad End) for 29K1, 29K2, 29K	Io, 29K	II and
0.2004	100	29	31K.24 M	achines
82005	167	u u (Broad Ends) for 29K1, 29K2, 29K	10, 293	H and
84000	107	29	$9 \mathrm{K} 21 \mathrm{~M}$	achines
eanne	166	" (Broad Ends) for 29K3, 29K4, 29K	32 and	$29\mathrm{K33}$
82003	100	, (22,000)	5.1	achinge

No.	Plate		
82006	167	Needle Plate	e (Broad Ends) for 29K3 and 29K4 Machines
81875	165	11 11	for 29K3, 29K4, 29K32 and 29K33 Machines
81897	167	11 11	(Broad End) for 29K12 to 29K16 Machines
	165		for 29K12, 29K13 and 29K16 Machines
81896		11 11	(Fine and Medium Needle Holes) for 29K12,
82017	267	11 11	29K13 and 29K16 Machines
	0.09		(Medium and Coarse Needle Holes) for 29K14 and
82018	267	0 41	29K15 Machines
81901	165	11 11	for 29K14 and 29K15 Machines
81944	166	11 11	for 29K30 and 29K31 Machines
82002	164	u n	(Broad Ends) for 29K30 and 29K31 Machines
81989		Shaft for 291	XI Machine
81995		n n 291s	<sup>12</sup> 11
81990		Shuttle Carr	tier with 241d and 81991 for 29K1 Machine
81991		11 11	Spring for 81990
0.0			
8606		Shuttle Car	rier Driving Pinion with 627c for 29K1 to 29K4,
(.(),()			29K11, 29K17, 29K18 and 29K21 to 29K23 Machines
		201111, 2	
81992		Shuttle Driv	ing Cam for 29K1 Machine
	7/7	Sitter 1711	the second contract to
82000	7		
82001		11 11	n Gear for 29 K2 Machine
		L. L.	1
81955			cier Driving Pinion with 627c for 29K30 to 29K33
		Machines	

65

#### 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. Plate 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 SS133dNeedle 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	u Stop	Pin					
28f	169	11 Screw						
81975	169	" Sprin	g					
7958	169	и п	Steady	Pin		• • •	***	***
8651	169	Spindle						
8371	169	" Pulle	ey					
2460	169	и и	Rubb	er Ring	• • • •	• • •		
81976	169	Bobbin Win	der, co	mplete, No	os. 28f, 2		8, 8371, 974 and	

## NUMERICAL LIST OF PARTS FOR

#### CLASS 29K MACHINES.

No.	Plate	•
7d	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,
		29 K31 and 29 K33 Machines
SS50d	170_	Needle Bar Clamp Screw for 81857, 81889,
		81928, 81940 and 82031
66f	170	Lifter Bearing Screw
NN66d	170	Check Lever Thread Take up Adjustment
		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,
0.0100	100	and 29K21 to 29K23 Machines
SS130e	162	Machine Screw (for fastening Machine to
		Power Table) for 29K1 to 29K4, 29K10 to
SS132d	170	29K18 and 29K21 to 29K23 Machines Shuttle Tension Regulating Screw for 81952
-551320 -55133d	170	Needle Bar Thread Tension Spring Screw for
001000	170	81857, 81889, 81928, 81940 and 82031
SS133d	170	Shuttle Bobbin Retaining Spring Screw for
00100U	1 (1)	81952
SS135d	170	Balance Wheel Handle Spindle for 29K2,
20.00		29K4, 29KH, <b>2</b> 9K13, 29K15, 29K18,
		29K23, 29K31 and 29K33 Machines
		., _,

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