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

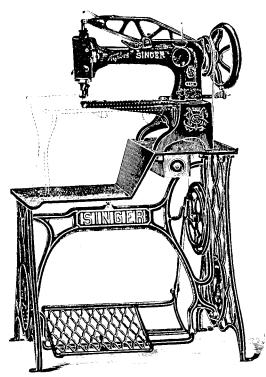
29K21 to 29K23

AND

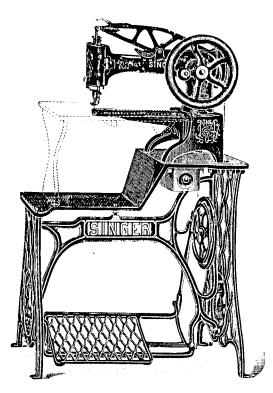
29K30 to 29K33

MACHINES.

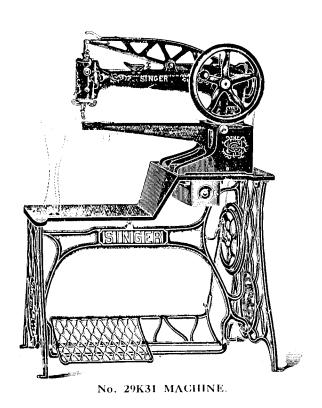
THE SINGER MANUFACTURING COMPANY.

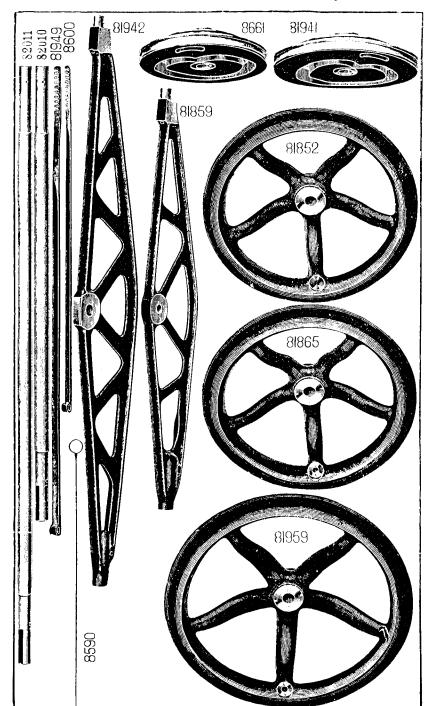


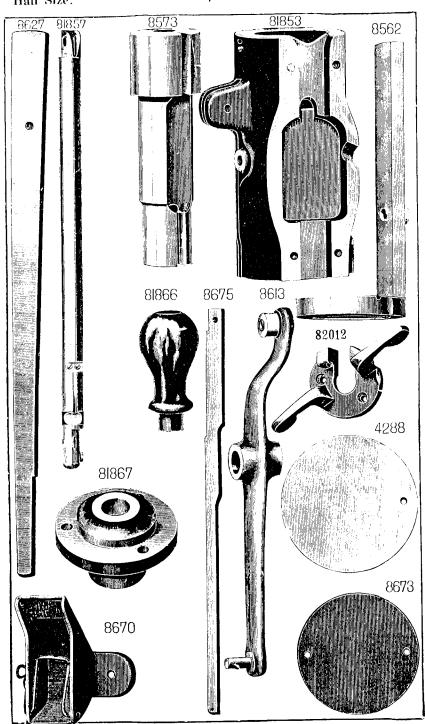
No. 29K1 MACHINE.



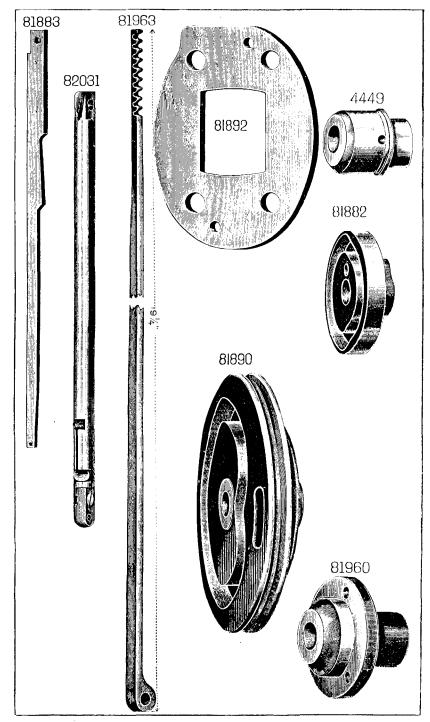
No. 29K2 MACHINE.

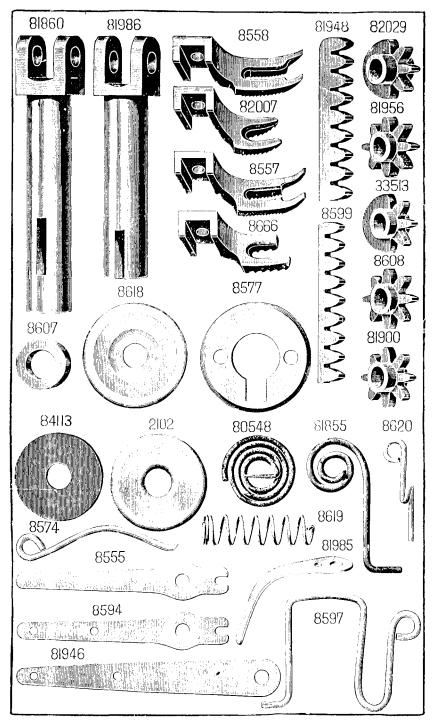




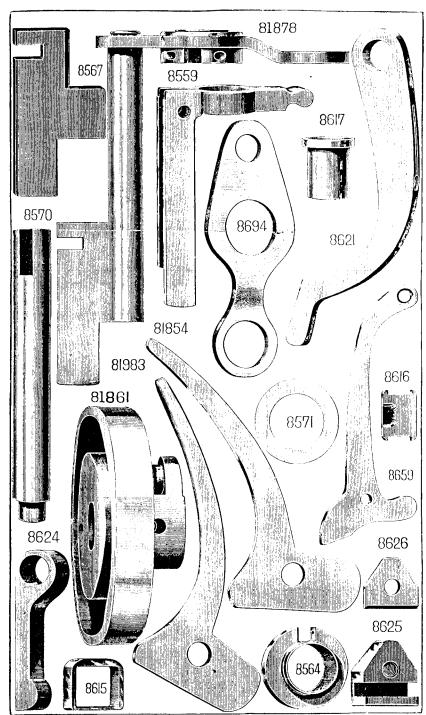


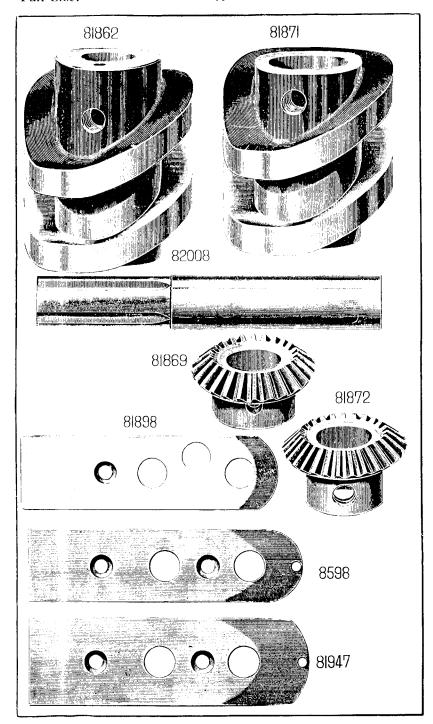
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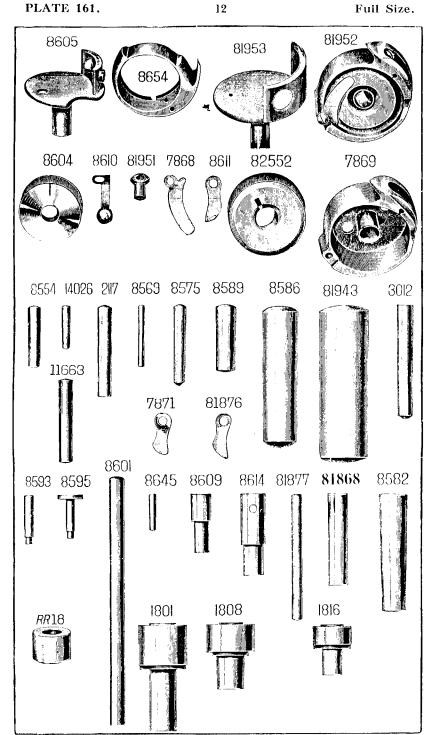


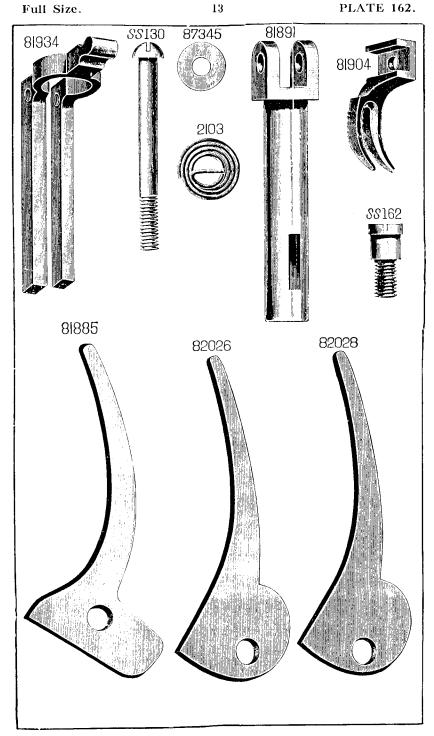


From the library of: Superior Sewing Machine & Supply LLC

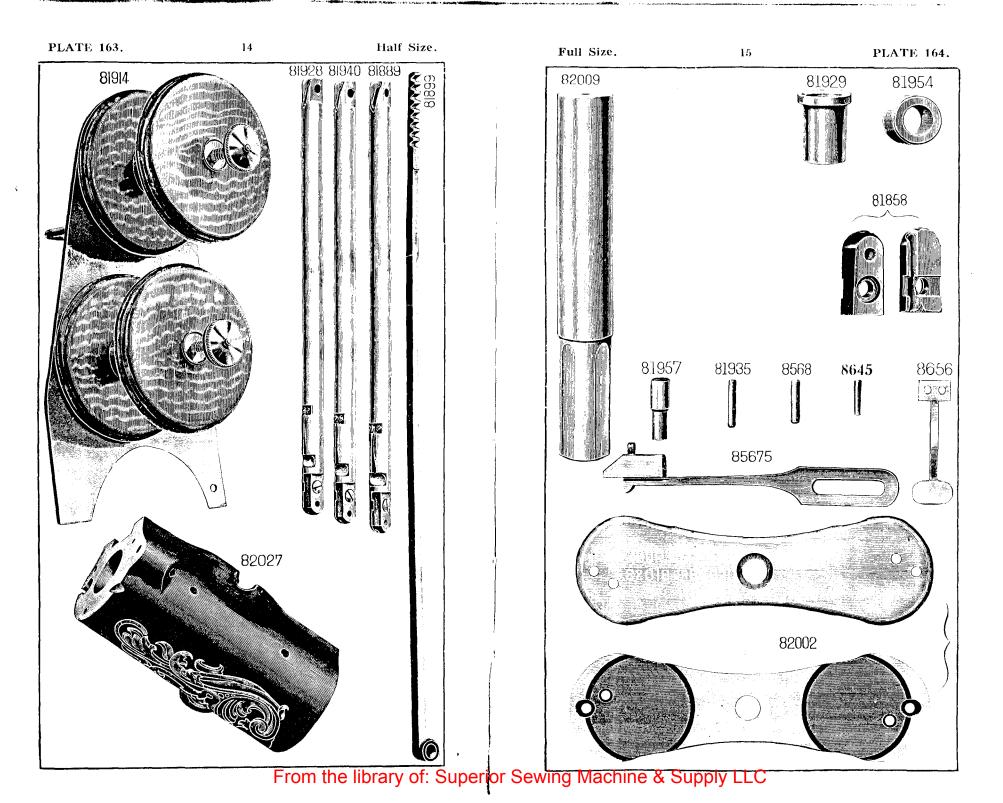


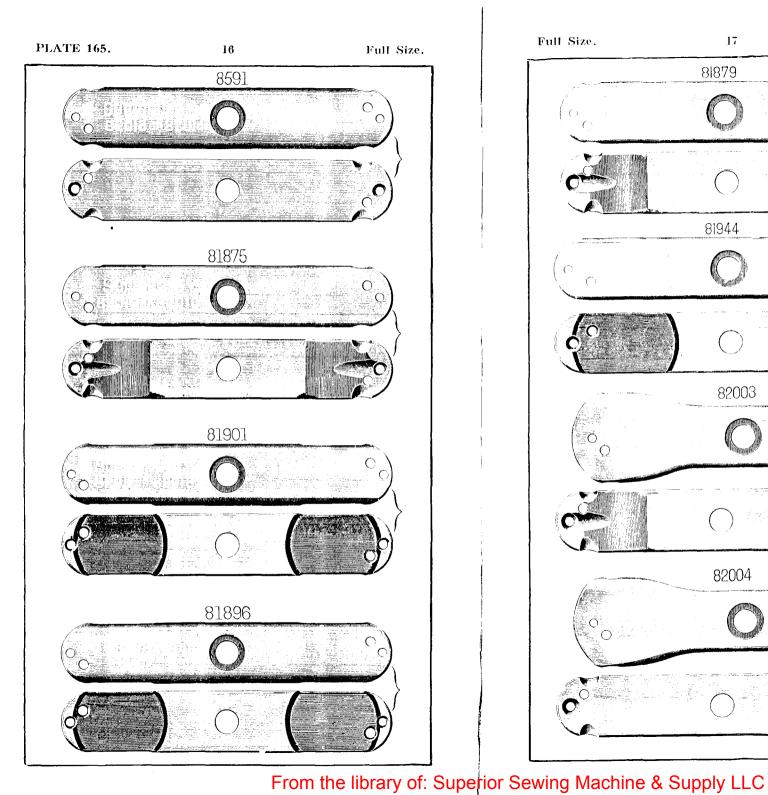


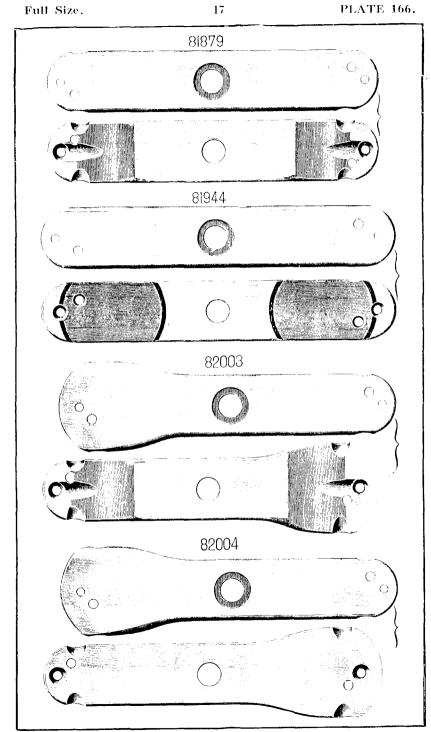


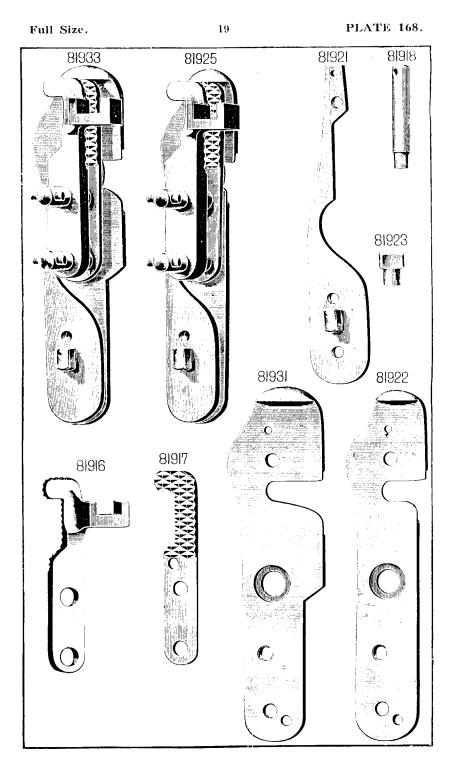


From the library of: Superior Sewing Machine & Supply LLC

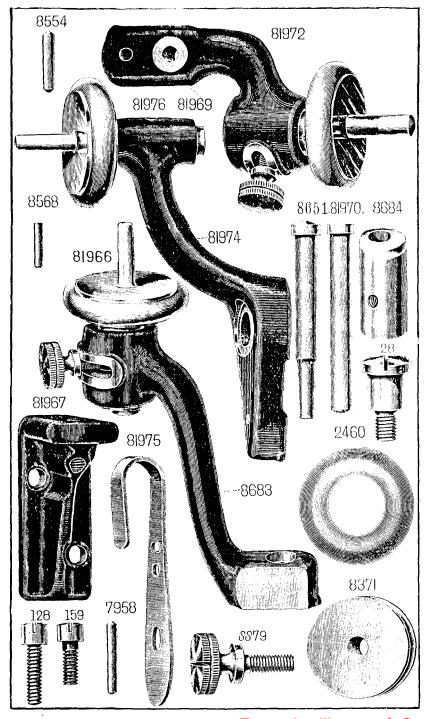


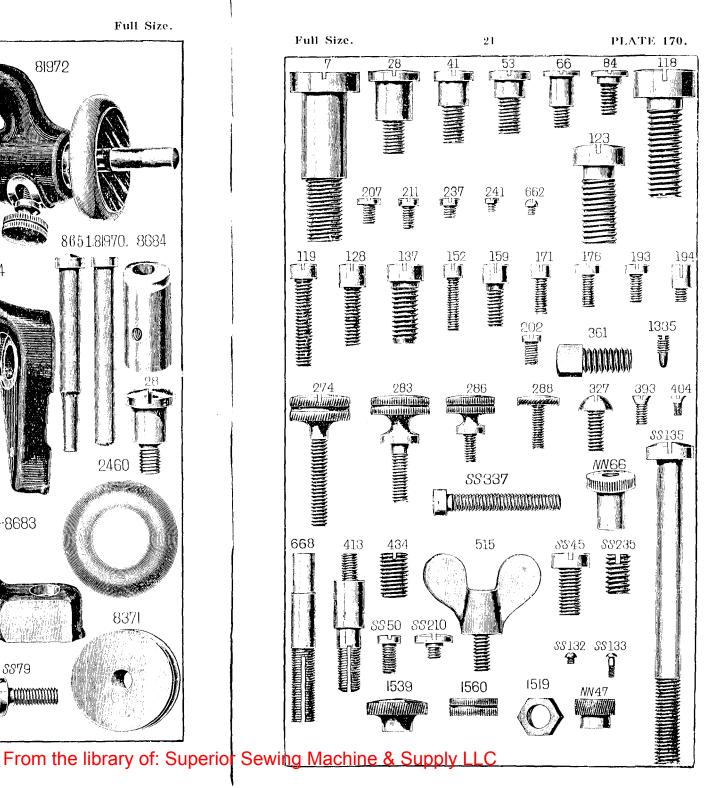


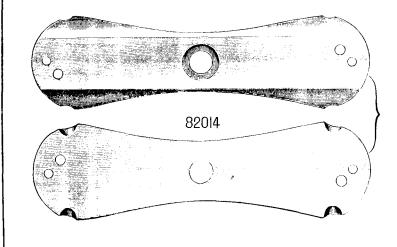




From the library of: Superior Sewing Machine & Supply LLC



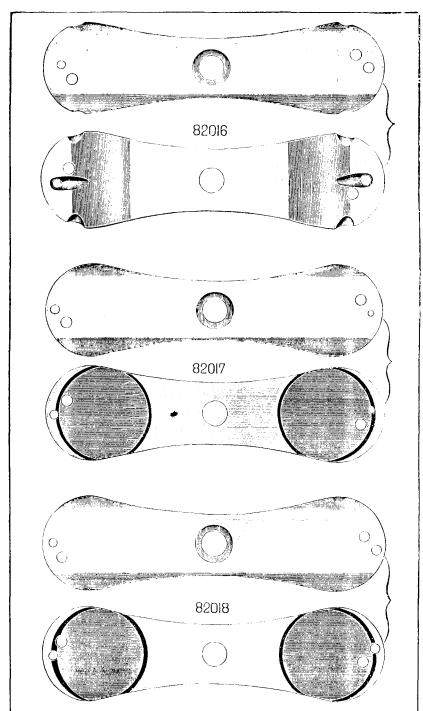




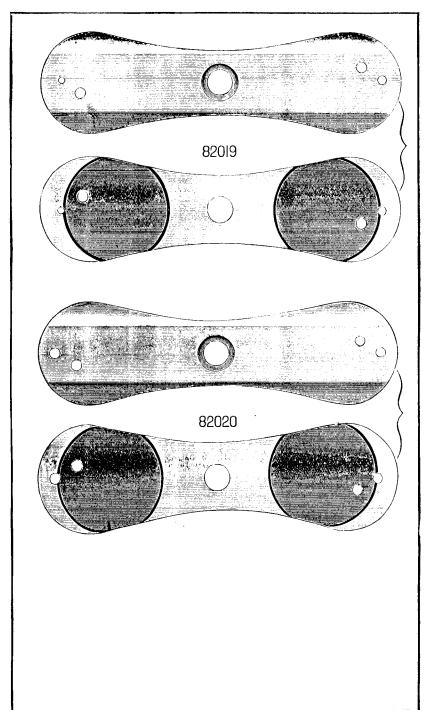
82015

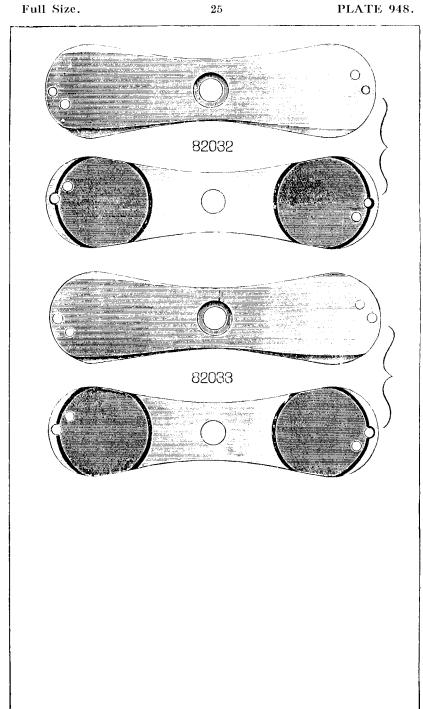
82013

PLATE 267. Full Size. 23

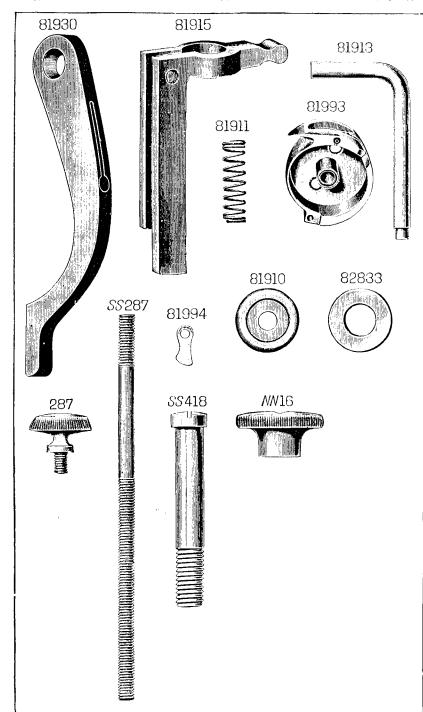


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ILLUSTRATED LIST OF PARTS

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.

- " " 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.

 $80001\,$ 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 Machine with 4449		
118e	170	n n Base Screw		
4288	156	n n Side Cover (Back)		
286d	170	n n n n Thumb Screw		
8673	156	n = n = n = n (Front)		
207e	170	n n n n Screw		
81852	155	Balance Wheel with two 434c		
434c	170	n set Screw		
8659	159	Check Lever		
8554	161	n loint Pin		
8555	158	Spring		
207d	170	" Screw		
14026	161	" " Steady Pin		
SS337f	170	Thread Take-up Adjustment Screw		
NN66d	170	, ,	umb Nut	
82007	158	Feeding Foot	• • •	• • •
8557	158	" (Narrow Fork) (fine)		
8558	158	n n (n n) (coarse)		• • •
193d	170	Screw		• • •
		NOTENo. 82007 is supplied with this Machine unless other Feeding Foot is specified on order.		
8559	159	Feed Motion Bell Crank Lever		
194e	170	n n n n n Joint Screw		
81861	159	$_{0}$ Cam Wheel with $RR18$ and 81868		
11663	161	n n n n Pin		
8562	156	Ring Slide Bar with 1816		
1816	161	u u u u Cam Roller and Stud		
			3	

No.	Plate		No. Plat
8675	156	Foot Bar	81860 15
8564	159	n n Revolving Joint	8589 16
8694	159	n n n Bearing	8590 15
8566		n n n n n n 8694 with 8564 and 8571	
8567	159	n n n Guide Plate	82013 26
81935	164	n n n a n n Rivet	82014 26
8569	161	n n u n Hinge Pin	84d 17
8570	159	n n n Slide Rod	8593 16
8571	159	n n n n Washer	8594 15
		i	8595 16
81878	159	Foot Bar Revolving Joint, complete, Nos. 8566, 8567, 8570 and two 81935	207d 17
82027	163	Head of Machine	•
128d	170	Binding Screw	
8573	156	Revolving Bush	8670 15
8574	158	" " Friction Spring	8695
207d	170	n n n n Screw	327d 17
8575	161	и и и и Pin	8597 15
82012	156	n n Handle	9994 19
152f	170	n n screw	
8577	158	" Supporting Washer	8598 16
211d	170	n n n n Screw	393c 17
82026	162	Lifter	8599 15
66f	170		
001	170	H Bearing Screw	8600 15
*81856		Lower Arm and Bed	
8582	161	n n n Steady Pin	82010 15
		,	4449 15
8655		Needle Bar	0204 16
81858	164	и п Clamp with 237f	8604 10
SS50d	170	n n Screw	8654 10
237f	170	n Needle Clamping Screw	8611 10
8656	164	" " Thread Tension Spring	662d 17
SS133d	170	и и и и Screw	8603
81857	156	Needle Bar, complete, Nos. SS50d, 8655, 8656, 81858 and two	
01004	1.70	SS133d	8605 16
			8610 16
		N. H. D. G. J. D. H. Wheel and D. O. L.	241d 15
8661	155	Needle Bar Cam and Pulley Wheel with 36Ic	
3012	161	я и и и и Piu	33513 U
361c	170	я н н я н я Set Screw ::	33313 13 4335c 15
			8607 1/
81859	155	Needle Bar Driving Lever, with 1801 and 14026	8609 10 8609 10
8586	161	н н н н Joint Pin	8608 17 8608 17
1801	161	n n n e a Cam Roller and Stud	8008 1

No. Plate Stroke Strok					
8580 161 n n n Pin 8590 155 n n Threading Wire 82013 266 Needle Plate (Fine and Medium Needle Holes) 82014 266 n n (Medium Needle Holes) 840 170 n n Catch Pin 8591 158 n n n Spring <t< th=""><th>No.</th><th>Plate</th><th>Mondle Ray Dictor Laint</th><th></th><th></th></t<>	No.	Plate	Mondle Ray Dictor Laint		
82013 266 Needle Plate (Fine and Medium Needle Holes) 82014 266 n (Medium Needle Holes) 81d 170 n Bearing Screw 8593 161 n Catch Fin 8594 158 n n n Spring 8595 161 n n n n n Strew NOTENo. 82014 is sent with this Machine unless other Needle Plate is specified on order. NOTENo. 82014 is sent with this Machine unless other Needle Plate is specified on order. NOTENo. 82014 is sent with this Machine unless other Needle Plate is specified on order. NOTENo. 82014 is sent with this Machine unless other Needle Plate is specified on order. NOTENo. 82014 is sent with this Machine unless other Needle Plate is specified on order. NOTENo. 82014 is sent with this Machine unless other Needle Plate is specified on order. NOTENo. 82014 is sent with this Machine unless other Needle Plate is specified on order. NOTENo. 82014 is sent with this Machine unless other Needle Plate is specified on order. NOTENo. 82014 is sent with this Machine unless other Needle Plate is specified on order. Section 100 plate is specified on order. NOTENo. 82014 is sent with this Machine unless other Needl					
82013 266 Needle Plate (Fine and Medium Needle Holes) 82014 266 n (Medium Needle Holes) 81d 170 n Eearing Screw 8593 161 n Cafch Pin 8594 158 n n n n Spring 8595 161 n n n n n Strew NOTENo. 82014 is sent with this Machine unless other NOTENo. 82014 is sent with this Machine unless other NOTENo. 82014 is sent with this Machine unless other NOTENo. 82014 is sent with this Machine unless other NOTENo. 82014 is sent with this Machine unless other NOTENo. 82014 is sent with this Machine unless other NOTENo. 82014 is sent with this Machine unless other NOTENo. 82014 is sent with this Machine unless other NOTENo. 82014 is sent with this Machine unless other NOTENo. 82014 is sent with this Machine unless other NOTENo. 82014 is sent with this Machine unless other NOTENo. 82014 is sent with this Machine unless other NOTENo. 82014 is sent with this					
82014 266 0 0 (Medium Needle Holes) 844 170 0 0 Bearing Screw 8593 161 0 0 Catch Pin 8594 158 0 0 0 0 Stud 8595 161 0 0 0 0 0 Stud	8500	100	in threating wite		
82014 266 0 0 (Medium Needle Holes) 844 170 0 0 Bearing Screw 8593 161 0 0 Catch Pin 8594 158 0 0 0 0 Stud 8595 161 0 0 0 0 0 Stud	22012	266	Needle Plate (Fine and Medium Needle Holes)		
Stid 170					
Saga					
Say 158					
S595 161					
NOTENo. 82014 is sent with this Machine unless other Needle Plate is specified on order.			, , , ,		
NOTE No. 82014 is sent with this Machine unless other Needle Plate is specified on order.					
Second Plate Is specified on order.	2070	1 / 17	if II II II II OXICO		
8695 n n Oil Pad (Felt) <td></td> <td></td> <td>NOTE,No. 82014 is sent with this Machine unless of Needle Plate is specified on order.</td> <td>other</td> <td></td>			NOTE,No. 82014 is sent with this Machine unless of Needle Plate is specified on order.	other	
8695 n n Oil Pad (Felt) <td>8670</td> <td>156</td> <td>Oil Cup with 8597 and 8695</td> <td></td> <td></td>	8670	156	Oil Cup with 8597 and 8695		
8597 158 n n Spring <td>8695</td> <td></td> <td>n Oil Pad (Felt)</td> <td></td> <td></td>	8695		n Oil Pad (Felt)		
8597 158 n n Spring .	327d	170	n n Screw		
8598 160 Pinion Cover Plate.			n n Spring		
393c 170 0 0 0 8 Screw <t< td=""><td></td><td></td><td>,</td><td></td><td></td></t<>			,		
393c 170 0 0 0 Screw	8598	160	Pinion Cover Plate		
8599 158 Rack (Short)		170	g g Serew		
8600 155 Rack Connection Rod (Long) 82010 155 Shaft 4449 157 n Bushing 8604 161 Shuttle Bobbin 8654 161 n Body 8611 161 n Tension Spring 8603 Shuttle, complete, Nos. 662d, 8604, 8611 and 8654 8605 161 Shuttle Carrier, with 241d and 8640 8610 161 n Spring 241d 170 n n Screw 33513 458 Shuttle Carrier Driving Pinion with 1335e 13350 170 n n n n n n Screw Pin 8607 158 n n n n n n Bushing 8609 161 n n n n n n Stud					
82010 155 Shaft	8599	158	Rack (Short)		
82010 155 Shaft					
8604 161 Shuttle Bobbin 8654 161 n Body 8611 161 n Tension Spring 8611 161 n Tension Spring 8603 Shuttle, complete, Nos. 662d, 8604, 8611 and 8654 8605 161 Shuttle Carrier, with 241d and 8610 8610 161 n n Spring 241d 170 n n Screw 33513 158 Shuttle Carrier Driving Pinion with 1335c 1335c 170 n n n n Bushing 8607 158 n n n n Bushing 8609 161 n n n n Stud	8600	155	Rack Connection Rod (Long)		
8604 161 Shuttle Bobbin 8654 161 n Body 8611 161 n Tension Spring 8611 161 n Tension Spring 8603 Shuttle, complete, Nos. 662d, 8604, 8611 and 8654 8605 161 Shuttle Carrier, with 241d and 8610 8610 161 n n Spring 241d 170 n n Screw 33513 158 Shuttle Carrier Driving Pinion with 1335c 1335c 170 n n n n Bushing 8607 158 n n n n Bushing 8609 161 n n n n Stud					
8604 161 Shuttle Bobbin 8654 161 n Body 8611 161 n Tension Spring 662d 170 n Regulating Screw 8603 Shuttle, complete, Nes. 662d, 8604, 8611 and 8654 8605 161 Shuttle Carrier, with 241d and 8610 8610 161 n Spring 241d 170 n n Screw 33513 158 Shuttle Carrier Driving Pinion with 1335c 1335a 170 n n n n n n Screw Pin 8607 158 n n n n n n Bushing 8609 161 n n n n n Stud	82010	155	Shaft		
8654 161 n Body <td>4449</td> <td>157</td> <td>n Bushing</td> <td>***</td> <td></td>	4449	157	n Bushing	***	
8654 161 n Body <td></td> <td></td> <td></td> <td></td> <td></td>					
8611 161 n Tension Spring	8604	161	Shuttle Bobbin		
662d 170 n n Regulating Screw 8603 Shuttle, complete, Nos. 662d, 8604, 8611 and 8654 8605 161 Shuttle Carrier, with 241d and 8610 8610 161 n n Spring 241d 170 n n Screw 33513 158 Shuttle Carrier Driving Pinion with 1335c 1335c 170 n n n Screw Pin 8607 158 n n n n Bushing 8609 161 n n n n Stud	8654	161	п Body		
8603 Shuttle, complete, Nos. 662d, 8604, 8611 and 8654 8605 161 Shuttle Carrier, with 241d and 8610 8610 161 n p Spring 241d 170 n n Screw 33513 158 Shuttle Carrier Driving Pinion with 1335c 1335c 170 n n n Screw Pin 8607 158 n n n Busbing 8609 161 n n n Stud	8611	161	" Tension Spring		
8605 161 Shuttle Carrier, with 241d and 8610 8610 161 n n Spring 241d 170 n n Screw 33513 158 Shuttle Carrier Driving Pinion with 1335c 43356 170 n n n Screw Pin 8607 158 n n n Bushing 8609 161 n n n Stud	662d	170	" Regulating Screw		
8605 161 Shuttle Carrier, with 241d and 8610 8610 161 n n Spring 241d 170 n n Screw 33513 158 Shuttle Carrier Driving Pinion with 1335c 43356 170 n n n Screw Pin 8607 158 n n n Bushing 8609 161 n n n Stud	oeno		Shuttle complete New 6624 8604 8611 and 8654		
8610 161 0 0 Spring .	8000		Sharte, Compace, States and States		
241d 170 n n n 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 Stud	8605	161	Shuttle Carrier, with 241d and 8610		
33513 458 Shuttle Carrier Driving Pinion with 1335c 4335c 170 n n n Screw Pin 8607 158 n n n Bushing 8609 161 n n n Stud	8610	161	g g Spring		
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 Stud	241d	170	n n Screw		
1335c 170 n n n n Screw Pin 8607 158 n n n Bushing 8609 161 n n n Stud					
1335c 170 n n n n Screw Pin 8607 158 n n n Bushing 8609 161 n n n Stud	33513	158	Shuttle Carrier Driving Pinion with 1335c		
8607 158 " " " " Bushing 8609 161 " " " Stud			43		
8609 161 6 6 7 9 9 Stud			1) 1:		

No.	Plate								
81862	160	Shuttle I)rivin	ig Cam v	ith 361c				
3012	161		н	,, I	in				
1808	161	11	11	I	Roller and	l Sti	ıd		
361c	170	11	11	n S	et Screw				
8613	156	Shuttle I	Privin	g Lever,	with 180	8 ar	nd 8614		
7d	170	31	11	.,	Bearing				
8614	161	11		,11	Stud				
14026	161	11	11	11	n Pin				
									• • • •
8601	161	Spool Pir	1	• • •				• • • •	• • •
8615	159	Stitch Re	onlar	or					
8616	159	"	, g.u ,	Gib					
288d	170	**	"		b Screw		• • •	* * *	
2000		1,	"	, 11(1111	D CALCAY		• • •		• • • •
668d	170	Tension .	Adins	sting Stu	d				
1560d	170	11		~	Thumb				
8617	159			Release)					
8618	158		Disc			• • •			
84113	158	и		Vasher (L		• • • •			
8619	158		Spring	,					
			1	,					• • • •
8620	158	Thread F	velet	(Head of	Arm)				
207d	170	,,		Screw					
8621	159	Vibrating	Pres	sser Lifti	ng Levei	r			
41d	170	ti.	,		tt.	Sc	rew		
8624	159	+1		Regu	lating Lo	ver			
515e	170	11	F		11	11	Clamping So	rew	
8568	164	11		ı	o o	11	tt.	" Rivet	
41d	170	11	1		11	11	Screw		
8625	159	11	,	,	11	11	Slide Block		
8626	159	н	1		11		11 11	Washer	
RR18	161	11		Rolle	r				
81868	161	10	11		Pin				
8627	156	11	*1	Sprir	g (Flat)				
1539d	170	11	11		Lock N	Sut			
274d	170	11	*1	11	Screw				
128e	170	Machine !	Screv	v (for fast	ening Ma	chin	e to Stand)		
55130e	162	1124011110) 	*	• • •		ie to Power		
87345	162		,,,	*	(for use				
	11/2	**	,.	111611161	ten mer		,		

No. 29K2 Machine.

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

Plate								
- —	Arm of	Machir	1e wit	h 4449				
155	Balance	Wheel	with	two 434	c			
156		- 11	Hand	le (Wood	1)			
170	11	11	0	Spindl	le			
170	11	T.	er.	11	Nut			
156	14	11	Hub		• • • •			
170	11	11	н 5	Screw				
160	11	+1	Shaft					
160	11	11	11	Gear		***		
161	u	0	n	u Pir	n			
160	Shuttle	Driving	g Cam	with S.	S235c			
160	11			Gear	• • • • • • • • • • • • • • • • • • • •			
170	11	11	11	ıı Se	et Screw			
	155 156 170 170 156 170 160 160 161	Arm of 155 Balance 156 " 170 " 156 " 170 " 156 " 170 " 160 " 161 " 160 Shuttle 160 "	Arm of Machin 155 Balance Wheel 156 0 0 0 170 0 0 0 156 0 0 0 0 160 0 0 160 0 Shuttle Driving 160 0 0 0	Arm of Machine with 155 Balance Wheel with 156 a a Hand 170 a a a Hub 170 a a a Hub 170 a a a Hub 170 a a a Balance Wheel with 160 a a a Balance Wheel with 160 a a a a Balance Wheel with 170 a a a a Balan	Arm of Machine with 4449 155 Balance Wheel with two 4344 156	Arm of Machine with 4449	Arm of Machine with 4449	Arm of Machine with 4449

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 82015266Needle 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 161Shuttle Tension Spring 81964 **Shuttle,** complete, Nos. 662d, 8604, 8654 and 81876 170 413dTension Adjusting Stud 2102158 Disc ... 2103 162 Spring 81877 161 Thread Guide Pin 1560d 170

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:

1	ms ma	come is the same as 25 (7), with the minoring executions		
No.	Plate	Arm of Machine with 4449		
*81864		Arm of Machine with 4449		
81865	155	Balance Wheel, with two 434c		
81866	156	n Handle (Wood)		
SS135d	170	o o Spindle		
1519d	170	n n or n Nut		•
81867	156	u Hub		
SS45e	170	u u Screw		
82008	160	" " Shart	• • •	
81869	160	n n Gear		
11663	161	n n Pin	***	
8666	158	Feeding Foot		
		NOTENos. 8666 and 82007 are sent with this Machine unless other Feeding Feet are specified on order.		
283d	170	Head Revolving Bush Stop Thumb Screw		
*81874	-· .	Lower Arm and Bed		• • •
82015	266	Needle Plate (Fine and Medium Needle Holes)		
82016	267	n — α (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		
81871	160	Shuttle Driving Cam, with SS235c		
81872	160	n n n Gear		
SS235c	170	n n n Set Screw		
413d	170	Tension Adjusting Stud		
2102	158	n Disc		
2103	162	n Spring		
81877 1560d	161 170	Tension Adjusting Stud Thumb Nut	***	4/23

No. 29K10 Machine.

UNIVERSAL FEED ARM.

FOR LONG STITCH.

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

No.	Plate	
81934	162	Feed Motion Bell Crank Lever
81882	157	$_{0}$ — $_{0}$ — Cam Wheel with $RR18$ and 81868 — —
81883	157	Foot Bar
82028	162	Lifter
*81886		Lower Arm and Bed
81887		Needle Bar
81888		" " Clamp with 237f
81889	163	Needle Bar, complete, Nos. SS50d, 8656, 81887, 81888 and two SS1336
81890	157	Needle Bar Cam and Pulley Wheel with 361c
81891	162	n n Piston Joint
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. *81864	Plate	Arm of Machine, with 4449	
81865	155	Balance Wheel, with two 434c	
81866	156	n Handle (Wood)	
SS135d	170	n n Spindle	
1519d	170	n n n Nut	
81867	156	и и Hub	
SS45e	170	n n Screw	
82008	160	" " Shaft	
81869	160	и и Gear	
11663	161	n n n n 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		Lower Arm and Bed	
81887		Needle Bar	
81888		и и 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	n n Piston Joint	
81892	157	Plate (acting as Pad between Lower Arm and Upper Arm)	
81871	160	Shuttle Driving Cam, with SS235c	
81872	160	п п т Стеат	-
SS235c	170	11 11 11 Set Screw	

No. 29K12 Machine.

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

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

No. *81893	Plate	Bed
*81894		Lower Arm (Narrow)
*81895		Lower Arm and Bed, complete, Nos. 81893, 81894 and four
7.00	150	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	n n n Pin
8608	158	" Following Pinion
8609	161	" "

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:---

 four
 four 123e
 four 123e
 four 123e
 four 123e
 four 123e
 four 123e
 four 123e
 four 123e
four 123e
123e
d two S133d
• • •

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.	Plate	Donat						
*81893		Bed		•••				
oeee	158	Feeding F	oot					
8666	100	NOTE.		and 82007; ng Feet are	ire sear with specified or	this Machin Forder.	e unless	
283d	170	Head Rev	olving Bu	sh Stop '	Γhumb S	crew		
*81891		Lower Ar						
*81895		Lower At	m and Be	ed, compl	ete, Nos.	81893, 81	894 and	four 123e
123e	170	14	, 11	. Bindi	ig Screw		•••	
82030		Needle B	ar					
82031	157	Needle B	ar, comple	ete, Nos. 3	8850d, 867	56, 81858,	82030 and Si	1 two 8133d
82033	948	Needle P	late (Medi	ium and C	ioarse Nee	dle Holes)		
81898	160	Pinion C	over Plate	e		***		
81899	163	Rack Co	nnection 1	Rod (Lon	g)		• • •	
.81876	161	Shuttle T	Cension S ₁	pring		• • •		
81964		Shuttle,	complete	Nos. 662d	, 8604, 865	64 and 818	76	
.81900	158	Shuttle	Carrier D	riving Pi	nion		***	
8615	161	t'	11	11	Pin			
8608	158	p	F	ollowing I	'inion		• • •	* * *
8609	161	11	P	н	o Stu			
		Wanalos	Adjustin	o Stud				
4130			Disc					• • •
2102	$\frac{158}{162}$	11	Spring	•				
2103	162		Thread G	aiide Pin				
$81877 \\ 1560$		Tension	Adjusting	Stud Th	umb Nut	• • •		

No. 29KI5 MACHINE PARTS

45

No. 29K15 Machine.

UNIVERSAL FEED ARM, WITH NARROW ARM, 1" ACROSS AND 7" DEEP. FOR WAXED THREAD, 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	" " Spindle	
1519d	170	" " " " " Nut	
81867	156	" " Hub	
SS45e	170	и и в Screw	
82008	160	υ Shafε	
81869	160	и и Gear	
11663	161	о о о о Pin	
*8189 3		Bed	
8666	158	Feeding Foot	
283d	170	Head Revolving Bush Stop Thumb Screw	
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	d two 5133d
82033	948	Needle Plate (Medium and Coarse Needle Holes)	
81898	160	Pinion Cover Plate	
81899	163	Rack Connection Rod (Long)	

No. Plate 81876 161 Shuttle Tension Spring 81964 — Shuttle, complete, Nos. 662d, 8604, 8654 and 81876 81900 158 Shuttle Carrier Driving Pinion 8645 161 n n Pin 8608 158 n n Following Pinion 8609 161 n n n Stud	
81900 158 Shuttle Carrier Driving Pinion	
8645 161 " " " Pin 8608 158 " " Following Pinion	•••
8608 158 " " Following Pinion	
8609 161 " " " " Stud	
81871 160 Shuttle Driving Cam with SS235c	
81872 160 n n n Gear	
SS235c 170	
413d 170 Tension Adjusting Stud	
2102 158 n Disc	
2103 162 " Spring	
81877 161 " Thread Guide Pin	
1560d 170 Tension Adjusting Stud Thumb Nut	4/23

No. 29K16 Machine.

UNIVERSAL FEED ARM, WITH NARROW ARM, 1" ACROSS AND \(\frac{1}{6}\)" DEEP. FOR WORSTED SLIPPER WORK. FOR LONG STITCH.

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

No.	Plate	
*81902	-	Bed
81934	162	Feed Motion Bell Crank Lever
	157	
81882	197	$n = 0$ Cam Wheel with $RR18$ and $81868 = \dots = \dots$
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	n n n Binding Screw
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
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	n n n n Pin
8608	158	" Following Pinion
8609	161	n n n n 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 29K1 with the following exceptions: --

No.	Plate		
85675	164	Binder, complete, $\frac{3}{8}$ ", with Cord Guide in Centre of Folder	
81909		Braid Bobbin	
SS287d	949	n n Screw Spindle	
$NN16\mathrm{d}$	949	n n n n Thumb Nut	
81910	949		
81911	949	и о и и Spring	
81912		Braid Holder Brass Base Plate with 81913	
287d	949		
81913	949	" " Pin (Bent) (for fastening t	
		Arm of Mch	.)
81914	163	Braid Holder, complete, Nos. 287d, 81912 and two each NN16	d.
(/1.//11	100	SS287d and 81909 to 8191	
81916	168	Feed Dog (Upper)	
81917	168	n n (Lower)	
SS210d	170	n n (n) Position Screw	
81918	168	" " Position Stud	
8645	164	n n n Stop Pin	
utoão		Fred Dot (Command Lower) consider Nov. SS2104-S101	ß
81920		Feed Dog (Upper and Lower), complete, Nos. SS210d, 8191 81917, two each 8645 and 8191	IS
		one, two cast some and street	
81925	168	Feed Dog and Throat Plate combined, Nos. 81920 and 819:	9.1
61920	108	reed bog and Throat Trate Compiled, 1808, 1972 of and 1970	•
81915	949	Feed Motion Bell Crank Lever	
813113	(14)	reed Modon Ben Grank Lever	
283d	170	Head Revolving Bush Stop Thumb Screw	
2850	170	Head Revolving Bush Stop Thumb Serew	
0.3000	140	1460	
82028	162	Lifter	• • •
*01030		L A in I Dal	
*81926		Lower Arm and Bed	• •

81924

81930

949

Vibrating Presser Lifting Lever ...

Throat Plate (Upper and Lower), complete, Nos. 84d, 81921.

81922 and two 393d

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		Arm of Machine with 4449	
81865	155	Balance Wheel with two 434c	
81866	156	Handle (Wood)	
SS135d	170	n n Spindle	
1519d	170	o o o o Nut	
81867	156	" " Hub	
SS45e	170	п п « Screw	
82008	160	" " Shaft	
81869	160	п п п Gear	
11663	161	n n n Pin	
85675	164	Binder, complete, 3", with Cord Guide in Centre of Folder	
81909		Braid Bobbin	
SS287d	949	n screw Spindle	
NN16d	949	n n n Thumb Nut	
81910	949	и и и Disc	
81911	949	п п п п Spring	
01010			
81912		Braid Holder Brass Base Plate with 81913	,
287d	949	" " " " Binding Thumb Screw	
81913	949	" " Pin (Bent) (for fastening to	
		Arm of Mch.)	
81914	163	Braid Holder, complete, Nos. 287d, 81912 and two each NN16d,	
		SS287d and 81909 to 81911	
81916	168	Feed Dog (Upper)	
81917	168	(Lower)	
SS210d	170	" " (Lower)	
81918	168	n n Position Stud	
8645	164	" " Stop Pin	
		•	
81920		Feed Dog (Upper and Lower), complete, Nos. SS210d, 81916,	,
		81917, two each 8645 and 81918	;

		111110,			
No. 81925	Plate 168	Feed Dog and Throat Plate combined,	Nos.	81920 and	81924
81915	949	Feed Motion Bell Crank Lever			
28 3 d	170	Head Revolving Bush Stop Thumb Scr	rew		
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	п п Gear			
<i>SS</i> 235c	170	n n n Set Screw			
81929	164	Tension Cup			
81921	168	Throat Plate (Upper) with 81923			
81922	168	" (Lower)		• • •	• • • •
393d	170	" (Upper and Lower) Connecti			
81923	168	Binder Position Block			
84d	170	Binding Screw		•••	
286d	170	Thumb Screw (for Binder)		•••	
81924		Throat Plate (Upper and Lower), comple		los. 84d, 8 22 and two	
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, $\frac{3}{8}$ ", with Cord Guide in Centre of Folder	
81909		Braid Bobbin	
SS287d	949	" Screw Spindle	
NN16d	949	n n n n Thumb Nut	
81910	949	п п п п Disc	
81911	949	и и и и spring	
81912		Braid Holder Brass Base Plate with 81913	
287d	949	u u u u u Binding Thumb Screw	
81913	949	n n n Pin (Bent) (for fastening Lower Arm of Mc	
81914	163	Braid Holder, complete, Nos. 287d, 81912 and two each $NN10$ $SS287\mathrm{d}$ and 81909 to 819	
81916	168	Feed Dog (Upper)	
81917	168	11 11 (Lower)	
SS210d	170	m m (m) Position Screw	
81918	168	n Position Stud	
8645	164	п п п ч Stop Pin	•••
81920		Feed Dog (Upper and Lower) combined, Nos. SS210d, 819 81917, two each 8645 and 819	16. 918
81933	168	Feed Dog and Throat Plate combined, Nos. 81920 and 819	932
81934	162	Feed Motion Bell Crank Lever	
81882	157	$_{0}$ — $_{0}$ — Cam Wheel with $RR18$ and 84868 —	
81883	157	Foot Bar	
283d	170	Head Revolving Bush Stop Thumb Screw	
82028	162	Lifter	

		110. 29 K22 MACHINE PARTS.			
No. *81926	Plate	Lower Arm and Bed			
81887		Needle Bar			
81888		***			
		" " Clamp with 237f		•••	•••
81889	163	Needle Bar, complete, Nos. SS50d, 865	6, 81887,	81888 an	 id two S133d
81890	157	Needle Bar Com I D.			
81891	162	Needle Bar Cam and Pulley Wheel wi	th 361c	• • •	• • •
81892	157	Plate (acting as Pad between Lower Arm	and Upp		
81921	168				
81931	168	Throat Plate (Upper) with 81923			
393d	170	(150,461)			
81923	168	" (Opper and Lower) Connec	ting Scre	w	
84d	170	" Proder Position Block			
286d	170	THREE SCIEW			
81932		Thanti Screw (for Binder)			
01002		Throat Plate (Upper and Lower), comple	etc, Nos. 81931	84d, 81 and two:	1921. 393d
SS162d	162	Vibrating Presser Lifting Lever Screw			•••

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			of Mac	hine wit	h 4449		• • •			
81865	155	Data	****							
81866	156			eel with						
SS135d		11	.,		dle (W					
1519d		**	0	"	Spi	indle				
81867	156	11	11			14	Nut			
SS45e	170	*1		1- 6			• • •			
82008	160		*1		Screw					
81869	160	11	11	Shaf						
11663	161	R	11	*1	Gear					
	101	11	11	11	11	Pin		• • •		
85675	164	Binder	compl	lete 3"						
			, comp,	icte, § ,	with C	ord	Guide in	Centre	of Folde	r .,
81909	*****	Braid	Bobbin							
SS2874	949	H	11	Screw S			•••			
NN164	949	11	fi	11			 mb Nut			
81910	949	н	11	•1	11	Disc			• • • •	• • •
81911	949	11	11	u.			Spring	• • •	• • •	
					"	"	Spring	• • •		
81912		Braid I	lolder	Brass I	lase P	Tata	with 011	3.1.9		
81912 287d	949	Braid I	lolder							
287d		Braid I	lolder	- 11	n	n	Binding	Thumb	Screw	
287d	949	H	11			n	Binding Pin (L	Thumb Bent) (f	Screw or faste	 rning
287d 81913	949 949	н	11 41	11	n D	11	Binding Pin (1, to	Thumb Bent) (f Lower .	Screw for fasto Arm of I	 rning Mch.)
287d 81913	949	н	11 41	11	n D	11	Binding Pin (1, to	Thumb Bent) (f Lower .	Screw for fasto Arm of I	 rning Mch.)
287d 81913	949 949	н	11 41	11	n D	11	Binding Pin (L to d, 81912	Thumb Bent) (f Lower and two	Screw or faste	 Pring Mch.) V16d,
287d 81913 81914	949 949 163	Braid I	n dolder,	" " complet	n D	11	Binding Pin (L to d, 81912	Thumb Bent) (f Lower and two	Screw for faste Arm of I	 Pring Mch.) V16d,
287d 81913 81914	949 949 163	Braid H	" lolder, og (Upp	complet	e, Nos.	2876	Binding Pin (L to d, 81912	Thumb Bent) (f Lower and two	Screw for faste Arm of I	 Pring Mch.) V16d,
287d 81913 81914 91916 1917	949 949 163 168	Braid H	og (Upp (Low	complet er)	e, Nos.	2876	Binding Pin (L to d, 81912 - SS2876 	Thumb Bent) (f Lower , and two I and 8	Screw for faste Arm of I	 Pning Mch.) V16d, B1911
287d 81913 81914 81916 81916 81917 8210d	949 949 163 168 168 170	Braid H	" Iolder, Ig (Upp (Low (complet er) er)) Posit	" c, Nos ion Sci	2876	Binding Pin (L to d, 81912 - SS2876 	Thumb Bent) (t Lower , and two I and 8	Screw for faste Arm of J each NN 1909 to 8	 Pning Mch.) V16d, B1911
287d 81913 81914 81916 81917 8210d 1918	949 949 163 168 168 170 168	Braid H	og (Upp (Low (Low Positi	complet er) er)) Posit on Stud	e, Nos ion Sci	287c	Binding Pin (1 to d, 81912 SS2876	Thumb Bent) (f Lower , and two I and 8	Screw for faste for fast	 Pning Mch.) V16d, B1911
81913 81914 81916 81917 8210d 1918	949 949 163 168 168 170	Braid H	Iolder, Ig (Upp (Low (" Positi	complet er) er)) Posit on Stud	" " c, Nos ion Sci	287c rew 2in .	Binding Pin (1, to d, 81912 - SS2876	Thumb Bent) (f Lower , and two I and 8	Screw For faste Arm of J Deach NA 1909 to 8	 Pning Mch.) V16d, S1911

No. 81933	Plate 168	Feed Dog and Throat Plate combined, N	Nos. 819 2	0 and 81	932
81934	162	Feed Motion Bell Crank Lever			
81882	157	Cam Wheel with RR18 and 8	1868		
81883	157	Foot Bar			• • •
283d	170	Head Revolving Bush Stop Thumb Scro	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		888, and t SS1	
81890	157	Needle Bar Cam and Pulley Wheel with	361c		
81891	162	и Piston Joint		•••	
81892	157	Plate (acting as Pad between Lower Arm an	al Upper	Arm)	
81871	160	Shuttle Driving Cam with SS235c			
81872	160	n n n 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			· · ·
84đ	170	n — n Binding Screw			
286d	170	Thumb Screw (for Binder)			
81932		Throat Plate (Upper and Lower), comple		84d, 819 nd two 3	
SS162d	162	Vibrating Presser Lifting Lever Screw		•••	

PARTS COMPLETE

FOR

29K30 MACHINE.

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

No.	Plate								
*81936		Arm of M	Iach				• • •		
118e	170	11 4	11	Base			• • • •		
4288	156	14 14	11	Side (Cover	(Back)			
286d	170	11 11	11	11	11	Thumb Screv	T .		
8673	156	н и	11	17	U	(Front)			
207e	170	11 11	11	п	t.	Screw	•••	• • •	
81937		Balance	Whe	el with tw	70 43 4	с	•••		
434c	170	11	ŧI	Set Scr	ew			• • •	
8659	159	Check Le	ver	• • •			•••		
8554	161	IR	11	Joint Pin					
8555	158	11	11	Spring					
207d	170	n n	11	" Sc	rew				
14026	161	*1	i r	n St	eady [Pin			
SS337f	170			Thread T	ake-u	p Adjustment	Screw		
NN66d	170	D	П	11	**	11	11	Thumb N	ut
82007	158	Feeding	Foot			:			
52UU/	100	recumg				1			
82007 8666	158	recuring	11	for Waxe	d Th	read			
			11	for Waxe (Narrow				•••	
8666	158	Н		(Narrow	Fork)			•••	
8666 8557	158 158	11	"	(Narrow	Fork)	(Fine)		•••	
8666 8557 8558	158 158 158 170	OTE.—Nos. 8	# # # 8 666 a	(Narrow (" Screw nd 82007 a	Fork)	(Fine) (Coarse)			
8666 8557 8558	158 158 158 170	OTE.—Nos. 8	# # 8666 a er Fee	(Narrow (n Screw nd 82007 a ding Feet	Fork) re sent	(Fine) (Coarse) with this Machicefied on order.	 ne unless		
8666 8557 8558 193d	158 158 158 170	OTE.—Nos. 8 oth	# # 8666 a er Fee	(Narrow (" Screw and 82007 and dding Freet :	Fork) " re sent are spe	(Fine) (Coarse) with this Machicified on order. ever Joint Screen	ne unless		
8666 8557 8558 193d 8559	158 158 158 170 N	OTE.—Nos. E oth	u u 8666 a er Fee tion	(Narrow (" Screw and 82007 and dding Freet :	Fork) " " esent are spe nk Le cel with	(Fine) (Coarse) with this Machi ciffed on order. ever n Joint Scre ch RR18 and 8	ne unless		
8666 8557 8558 193d 8559 194e	158 158 158 170 N	OTE.—Nos. 5 other	n n 8666 a er Fee tion	(Narrow (" Screw and 82007 and dding Freet :	Fork) re sent are spe nk Leel wii	(Fine) (Coarse) with this Machi ciffed on order. ever n Joint Scre ch RR18 and 8	ne unless		
8666 8557 8558 193d 8559 194e 81861	158 158 158 170 N 159 170 159	OTE.—Nos. E other	B666 agr Fee	(Narrow (" Screw nd 82007 and dding Feet : Bell Cra " " Cam Who	Fork " " esent are spe nk Le eel wit Pi	(Fine) (Coarse) with this Machi ciffed on order. ever n Joint Scre ch RR18 and 8	 ew 81868		
8666 8557 8558 193d 8559 194e 81861 11663	158 158 158 170 N 159 170 159 161	Feed Mo	# # # # # # # # # # # # # # # # # # #	(Narrow (" Screw nd 82007 and dding Feet : Bell Cra " " Cam Who	Fork) " To sent are spe nk Leel with Pi e Bar	with this Machi ciffed on order. ever n Joint Scre h RR18 and 8			

No.	Plate		No	Plate	
8675	156	Foot Bar	81860	158	Needle Bar Piston Joint
8564	159	Developer Indian	8589	161	n n n n Pin
8694	159	D. marina m	& 8590	155	" Threading Wire
8566		0004 111 0504 1 0551	11	1,,,,	
8567	159	(2.11. IN 4.	•	268	Needle Plate (Fine and Medium Needle Holes)
81935	164	101	1 02010		(Medium and Coarse Needle Holes)
8569	161	I Enga Dia	02020	268	
8570	159	CP = D = I	040		•••
8571	159		8593	161	" " Catch Pin
9971	100	n n n o Washer	4 81946	158	n n n Spring
81878*	159	Foot Bar Revolving Joint, complete, Nos. 8566, 8567, 85		161	" " " " Stud
		and two 819	935 207d	170	п п п п в Screw
					NOTE No. 82020 is sent with this Machine unless other
82027	163	Head of Machine	•••		Needle Plate is specified on order.
128d	170	¹¹ Binding Screw			
8573	156	" Revolving Bush	8670	156	Oil Cup with 8597 and 8695
8574	158	" " Friction Spring	8695		п п Oil Pad (Felt)
207d	170	n n n n n Screw	327d	170	" " Screw
8575	161	и и и и и Ріп	8597	158	" " Spring
82012	156	u u Handle			
152f	170	n n n Screw	81947	160	Pinion Cover Plate
283d	170	" Stop Thumb Screw	393e	170	Screw
8577	158	" Supporting Washer			
211d	170	n n n n screw	81948	158	Rack (Short)
			i i		•
82026	162	Lifter	81949	155	Rack Connection Rod (Long)
66f	170	T) : C			
			82011	155	Shaft
*81938		Lower Arm and Bed	4449	157	n Bushing
8582	161	CA L D			11-116
0004	101	n n n Steady 14n	82552	161	Shuttle Bobbin (Solid, Hardened)
			7868	161	" Retaining Spring
81939			SS133d		Screw
81858	164		81993	949	Body
SS50d	170	и и и Screw	81994	949	Tension Spring
237í	170	,	\$1994 \$\$1320		" Regulating Screw
8656	164	r o	81951	161	" Thread Pull-off
SS133d	170	n n n n n Screw	4040		*/
81940	163	Needle Bar, complete, Nos. SS50d, 8656, 81858, 81939 and tv	wo 4040	u 170	-
01010		SS13		161	Shuttle, complete, Nos. SS132d, SS133d, 404d, 7868, 81951,
			1		81993, 81994 and 82552
81941	155	Needle Bar Cam and Pulley Wheel with 361c			
3012	161	D.	81953	161	Shuttle Carrier
361c	170	n n n n n Set Screw	81954		Box Bushing
			82029		Driving Pinion with 1335c
81942	155	Needle Bar Driving Lever with 1801 and 14026	13350		n n n Screw Pin
81942	161	Total Disc	81956		" Following Pinion
1801	161	Company of Card	81957		n n n Stud
1901	101	n n n n Cam Roher and Stud	(111111	1.71	

No	Plate										
81862	160	Shuttle	Drivit	ig Cam	with	361c					
3012	161	н	0	11	Pin						
1808	161	11	11	n	Rolle	er and	Sti	ud			
361c	170	ti	11	0	Set S	Screw					
8613	156	Shuttle	Drivir	ig Levei	r witl	i 1808	3 an	d 8614	ł		
7d	170	11	11			ring S					
8614	161	11		11	Stu						
14026	161					Pin					
				.,			• • •		• • • •	• • •	
8601	161	Spool I	'in								
0.00		opoor 1		•••	•••					•••	• • • •
8615	159	Stitch 1	Reonta	tor							
8616	159	11	11	Gib						***	
288d	170		11		mb Se						• • •
2000	110	17	11	11111	11117 ()		• • •		• • •		• • • •
668d	170	Toncio	n Adin	sting St							
413d	170	i ensio.		.,				Threa	.1		• • • •
1560d	170					n wa humb				***	• • •
8617	159	**		Release)					• • •		• • •
8618	158	"									
2102	158	11		or Waxe					* * *		
84113	158	11		Washer (• • •		• • •
8619	158	11		g		,			• • •		
80548	158	11	т	for Wa					• • •		
81877	161	"		d Guide				LThree		• • •	
010,,	101	"	Inica	d Ouide	1 111 1	() YY	(XC)	1 11116	1, 1	* * *	• • •
8620	158	Thread	Evelet	t (head o	d arn	,)					
207d	170	11	11	Screw		٠,					
2014				001011	• • • •				•••		
8621	159	Vibrati	ng Pre	sser Lif	ting	Lever					
41d	170	0			u e						
8624	159					ng Le					
515e	170			11	, 11 to 601			Clamp			
8568	164	1,		11))					Rivet	
41d	170	11			"		11	Screw			
8625	159			!! !!			()	Slide			• • •
8626	159	11		H	11		0		DIOCK	 Washer	• • •
RR18	161	"			II Hor						
81868	161	11			пеі т Р		• • • •			• • •	
8627	156					m Flat)	• • • •				
1539d	170	"		•		ock N				***	• • •
$\frac{193.5}{274}$ d	170									***	
2/40	170	Ш		11 1	ı S	orew	•••				
107.	170	Mostri	. C	··· /6: f		3.1	1. *		445		
137e	170	Machin							,		• • •
SS418e	949	11	T)							Table)	• • • •
82833	949	11	11	Wash	er (fo	ruser	with	1 <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 Mac	hine with 4449	•••	• • •		***
81959	155	Balance Wh	eel with two 434c				
81866	156	11	Handle (Wood	1)			
SS135d	170	n 1	" Spindl	e			
1519d	170	n i	и и	Nut			
81960	157	11	Hub	•••			
SS45c	170	н 1	, Screw				
82009	164	n 1	Shaft				
81869	160	n ·	ı ıı Gear				
11663	161	0	ı ıı ıı Pi	n	• • •	• • •	
81871	160	Shuttle Driv	r <mark>ing Cam</mark> with SS	5235c			
81872	160	11 1	43				
SS235c	170	ti I	ı ıı ıı 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			
*81962		Lower Arm and Bed		
8655			• • •	•••
•		Needle Bar		
81857	156	Needle Bar, complete, Nos. SS50d, 8655, 8656, 81	858	and two
82015	266		,	SS133d
82016	267	Needle Plate (Fine and Medium Needle Holes)		
8594	158	" (Medium and Coarse Needle Holes)		
5001	100	" " Catch Pin Spring	• • •	
		NOTE.—No. 82016 is sent with this Machine unless other Need Plate is specified on order.	le	
8598	160	Pinion Cover Plate		
8599	158	Rack (Short)		
81963	157	Rack Connection Rod (Long)		•••
8604	161	Shuttle Bobbin		
8654	161	n Body	• • •	•••
81876	161	" Tension Spring		
662d	170	" " Regulating Screw	• • •	• • •
81964				•••
01304		Shuttle, complete, Nos. 662d, 8604, 8654 and 81876		
8605	161	Shuttle Carrier with 241d and 8610		
8610	161	" Spring		• • •
$24 \mathrm{Id}$	170	" Scrow	• • • •	•••
33513	158	Driving Pinion with 12250	• • •	• • • •
8607	158	" " Rushing		***
8609	161	n n n Stud		
8608	158	" 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.

7	This Ma	chine is the same	as 29K3	80, with t	the followi	ng excer	Minne :	
No.	Plate			,		ng extel	MOUS.	
*81958		Arm of Macl	hine witt	: 4449				
81959	155	Balance Who					***	• • •
81866	156	" "		He (Wood			• • •	
<i>\$\$</i> 135d	170	0 0	111111	Spind		•••		
1519d	170		.,	o paner	ie Nut		•••	
81960	157		Hub					
SS45e	170	14 61		Screw	• • •			• • • •
82009	164	or n	Shaft.					
81869	160	0 0	H	Gear	• • • •			• • •
11663	161	0 0		o Pir		***	• • • •	
*81962	· ·	Lower Arm a				***	• • •	• - •
8655		Needle Bar			• • •	•••	• • •	• • • •
81857	156				•••		• • •	
01007	170	Needle Bar,	complete	, Nos. S.	S50d, 865.	5, 8656,		
82015	266	Needla Plata	(Eine	1.31 1:			.5	81334
82016	267	Needle Plate	(Malian	a Mediun	n Needle 1	foles)		
8594	158		(medium Catab Dia	and Coa c:	rse Needle			
		NOTE.—No. 820	Catch Pir	t opring with this	Maalina			
		Need	le Plate is	specified	on order,	dess other	'	
8598	160	Pinion Cover	Plate				***	
8599	158	Rack (Short)						
81963	157	Rack Connect	ion Rod	(Long)				
8604	161	Shuttle Bobbi						• • • •
8654	161	n Body			•••	•••	* * * *	
81876	161		n Spring			• • •	• • •	
662d	170	U 11		ting Scre				
81964		Shuttle, compl				1.010-0		* * *
8605	164	Shuttle Carrie	· · · · · · · · · · · · · · · · · · ·	0020, a0	04, 5094 a	na 81876		
33513	158	" "						
8607	158				with 1335	c		
8609	161		*1		Bushing	• • •		
8608	158	0 0	U Eallasa	ing Pinio	Stud	• • •		
8610	161	0 0	Spring					• • •
241d	170	n n	,	Screw			• • •	
81871	160	Shuttle Drivin				•••		• • •
81872	160							
SS235c	170	H H		Gear		• • • •		
2103	162		n .	n Set	Screw	• • •		
2100	102	Tension Spring	g					

ACCESSORIES.

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

140.	Tate			
8604	161	Bobbins (5)		•••
	_	Instruction Book		
29×4		Needles (2 each sizes 19, 21 and 22)		
8590	155	Needle Bar Threading Wire		
36569		Oiler with 36571		
36571		п Spout, 1¾" long		
25537		Screw Driver (Machine)		
25538		" (Shuttle Tension)		
128e	170	Screws (4) (for fastening Machine to Scand), for 29	K1 to 29)K4,
		29K10 to 29K18 and 29K21 to 29K23 Machines	·	
137e	170	Screws (4) (for fastening Machine to Stand), for 29 K3	32 and 29	K33
		Machines		
A C	oresc	ORIES supplied with Nos. 29K30 and 29K31 M	Anchines	

ACCESSORIES supplied with Nos. 29K30 and 29K31 Machines

These Accessories are the same as for 29K1 to 29K4 etc., Machines, with the following exceptions:-

82552	161	Bobbins (5)	• • •				
137e	170	Screws (4) (for	fastening	g Machin	e to 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, §", with Cord Guide in Centre of Folder	
85676		Binder, complete, 3,", with Cord Guide at Side of Folder	
85677		Binder, complete, §", less Cord Guide	

BOBBIN WINDERS.

BOBBIN WINDER (Eccentric) for Nos. 29K1 to 29K23 Machines.

No.	Plate							
8684	169	Eccentric						
286d	170	н	Thumb Screw		• • •	***		
8683	169	Frame			• • • •	• • •		
128d	170	н Scre	ew					
8651	169	Spindle						
81965		11 80	351 with 8371					
8371	169	n P	alley		• • •			
2460	169	11	п Rubber	Ring				
81966	169	Bobbin V	Vinder, comp	olete, No	os. 128d,	286d, 24		$8684 \\ 81965$
ВОВВІ	n Wi	INDER (I	Eccentric) fo	r Nos.	29K30 a	nd 29K	31 Mac	hines.
81967	169	Bracket (to fasten to M	achine)				• • •
159f	169	11 S	crew					
81968		Eccentric	• • • •					
286d	170	11	Thumb Screw	<i>t</i>	•••			
81060	160	Eramo wi	(1) 8554					

819698554169SS79dThumb Screw (to fasten to Bracket) 81970 169 8197181970 with 8371 ... 8371 Pulley ... 169

2460 169 п 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	169	Bracket (to fasten to Machi	ne)			
159f	169	n Screw				
81968		Eccentric				
286d	170	" Thumb Screw .				
81969	169	Frame with 8554				
8554	169	" Steady Pin .	· · · · · · · · · · · · · · · · · · ·			
SS79d	169	n Thumb Screw (to far	sten to Brac	ket)		
8651	169	Spindle				
81965		n 8651 with 8371 .				
8371	169	n Pulley				
2460	169	" Rubber Ring	· · · ·			
81973		Bobbin Winder, complet		79d, 286d,	2460,	
		, 1			1068 320	

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
81997		" Hub for 29 K2 Machine
81998		" 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 29K1
		Machine
2117	161	n n n n Pin
81979		Foot Bar Revolving Joint Guide Plate
81982		Head of Machine for 29K1 Machine
81853	156	n n for 29K1, 29K2, 29K10 to 29K12, 29K13,
		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	u u 29K1 to 29K4, 29K12 to 29K15 and 29K30 to 29K33
		Machines
81885	162	n = n 29K10, 29K11, 29K16 to 29K18 and 29K21 to 29K23
		Machines
81984		n Centre for 29K1 Machine
81985	158	D Spring for 29K1 Machine
81855	158	" Spring
81988		Needle Bar Cam and Pulley Wheel for 29 K1 Machine
81987		" Driving Lever with 1801 for 29K1 Machine
81986	158	" Piston Joint for 29K1 Machine
8591	165	Needle Plate for 29K1, 29K2, 29K10, 29K11 and 29K21
		Machines
82004	166	Needle Plate (Broad End) for 29K1, 29K2, 29K10, 29K11 and
		29K21 Machines
82005	167	n (Broad Ends) for 29K1, 29K2, 29K10, 29K11 and
		29K21 Machines
82003	166	" (Broad Ends) for 29K3, 29K4, 29K32 and 29K33
		Machines

No.	Plate		
82006	167	Needle Plate (Broad Ends) for 29K3 and 29K4 Machines	
81875	165	" 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 29K	
		29K13 and 29K16 Machi	
82018	267	" (Medium and Coarse Needle Holes) for 29K14 a	and
		29 K 15 Machi	
81901	165	for 29K14 and 29K15 Machines	
81944	166	for 29K30 and 29K31 Machines	
82002	164	" (Broad Ends) for 29K30 and 29K31 Machines	
81989		Shaft for 29K1 Machine	
81995		и и 29К2 и	
81990		Shuttle Carrier with 241d and 81991 for 29K1 Machine	
81991		" Spring for 81990	
0.000			
8606		Shuttle Carrier Driving Pinion with 627c for 29K1 to 29I	¥4,
		29K10, 29K11, 29K17, 29K48 and 29K21 to 29K23 Machi-	nes
81992		Shuttle Driving Cam for 29K1 Machine	
82000		" " with SS235c for 29K2 Machine	• • •
82001		Const. Const. St. 17	• • •
•		a Court for 29322 Machine	• • •
81955		Shuttle Carrier Driving Pinion with 627c for 29K30 to 29K	22
		Machines	
		•••	• • •

No. 29K21 Machine.

(OBSOLETE)

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

T	his Mach	nine is the same as $29\mathrm{KI}$, with the fo	ollowing	exception	ıs :—	
No. 81915	Plate 949	Feed Motion Bell Crank Lever				
*81926		Lower Arm and Bed				
82028	162	Lifter	•••		• • • •	
81927 81888		Needle Bar				
81928	163	Needle Bar, complete, Nos. SS50	0d, 8650	3, 81888, 8		d two S133d
81891	162	Needle Bar Piston Joint				
81929	164	Tension Cup				
81930	949	Vibrating Presser Lifting Leve	r	•••		

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	n Pulley	٠.
2460	169	и и Rubber Ring ··· ··	
81976	169	Bobbin Winder, complete, Nos. 28f, 2460, 7958, 8371, 8617 81974 and 8197	

NUMERICAL LIST OF PARTS FOR

CLASS 29K MACHINES.

No.	Plate	•
7d	170	Shuttle Driving Lever Bearing Screw
$NN16\mathrm{d}$	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,
2/3100		29K11, 29K13, 29K15, 29K18 29K23, 29K31 and 29K33 Machines
SS50d	170	Needle Bar Clamp Screw for 81857, 81889,
3,3500	170	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
1280	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
SS130e	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