

SINGER

131K1,K2

131K MACHINE

For "Listing" and "Bagging" Work.

No.	Description
*96151	Arm (upper and lower, solid)
88367	" Dowel Pin (2)
49141	" Oil Tube with 49092 for oiling 96170 (upper bearing)
96152	" " " " 49092 " " 96170 (lower ")
49092	" " " Packing (Felt)
96153	" Rock Shaft
49003	" " " Bushing (back)
448c	" " " " Set Screw
204246	" " " Collar with two 200383c
200383c	" " " " Set Screw
96154	" " " Crank (back) with two 50083c
50083c	" " " " (") Set Screw
49008	" " " " (front) with 50081c and 50282c
50282c	" " " " (") Position Screw
50084c	" " " " (") Set Screw
49005	" " " Flanged Bushing (front)
430c	" " " " (") Set Screw
96155	" Rotary Shaft
49004	" " " Bushing (front)
446c	" " " " Set Screw
144d	" " " End Screw
95156	" " " Flanged Bushing (back)
96158	" " " " Ball Cup
96160	" " " " (intermediate)
435c	" " " " (") Set Screw
49093	" " " " Oil Pad (Braided Cotton)
159f	" " " " Screw (3)
25362	" " " " Thrust Bearing Ball $\frac{3}{8}$ " (13)
96159	" " " " " " Cup
	Thrust Washer
96157	" " " " Washer
670c	" Screw (3)
4288	" Side Cover (back)
286d	" " " (") Screw
96161	" " " (front)
286d	" " " (") Screw
96162	Balance Wheel
96163	" " Friction Pulley
96164	" " " " Ball Thrust Collar
36737	" " " " " " " Ball $\frac{1}{8}$ " (13)
SS458f	" " " " " " " Screw Stud

Form K2455.
May, 1923.

LIST OF PARTS

FOR

Class 131K Machines

(Nos. 131K1 and 131K2)

From the library of: Diamond Needle Corp

SA

THE SINGER MANUFACTURING CO.

No.	Description
1520e	Balance Wheel Friction Pulley Ball Thrust Collar Screw Stud Nut (2)
910c	" " " " " " " " Set Screw ...
96166	" " " " " " " " Driving Arm ...
15132	" " " " " " " " Brake (Leather)...
2928	" " " " " " " " " (" ") Rivet (2)
96169	" " " " " " " " Cam with 356c ...
356c	" " " " " " " " " Set Screw ...
12178	" " " " " " " " Friction Plug (Wood)
427c	" " " " " " " " " Plug Adjusting Screw
1508e	" " " " " " " " Friction Plug Adjusting Screw Nut
693d	" " " " " " " " Arm Hinge Screw ...
1579e	" " " " " " " " " " Nut...
96167	" " " " " " " " Spring (flat) ...
96168	" " " " " " " " " (helical) ...
1300d	" " " " " " " " " Screw ...
96170	Crank Connecting Rod with 896e, 49109, 96171 and two 145e
896e	" " " " " " " " Adjusting Screw ...
49109	" " " " " " " " Washer ...
*96171	" " " " " " " " Cap ...
145e	" " " " " " " " " Screw ...
50147c	" " " " " " " " Hinge Screw ...
1513j	" " " " " " " " Nut ...
96172	Feed Wheel with forty-eight 96179 ...
96227	Feed Wheel Drum , complete, Nos. 96174, two 96173 and eighteen 838d
*96174	" " " " " " " " Cylinder ...
SS474e	" " " " " " " " Driving Stud ...
1504e	" " " " " " " " Nut ...
84856	" " " " " " " " Washer ...
84240	" " " " " " " " Leg ...
*96173	" " " " " " " " End with two 350c ...
350c	" " " " " " " " Set Screw ...
SS366e	" " " " " " " " Leg Foot Screw (4) ...
84856	" " " " " " " " Washer (4) ...
96175	" " " " " " " " Tie Rod (2) ...
NN46e	" " " " " " " " Nut (8) ...
838d	" " " " " " " " Screw ...
96176	" " " " " " " " Shaft 38 1/4" x 1" ...
96177	" " " " " " " " Journal Box (self-aligning) ...
96178	" " " " " " " " Bracket ...

No.	Description
SS452e	Feed Wheel Drum Shaft Journal Box Bracket Bolt with NN87e (2)
NN87e	" " " " " " " " " Nut (2) ...
12620	" " " " " " " " " Washer (2)
421c	" " " " " " " " Screw ...
1507j	" " " " " " " " Nut ...
96179	" " " " " " " " Pin ...
96180	" " " " " " " " Guard with two 350c ...
350c	" " " " " " " " Set Screw ...
96181	" " " " " " " " Stripper Plate ...
919e	" " " " " " " " " Screw (2) ...
1062e	" " " " " " " " Screw (4) ...
96182	" " " " " " " " Worm Gear with two 350c ...
96183	" " " " " " " " Shaft ...
96184	" " " " " " " " Bushing ...
350c	" " " " " " " " Set Screw (2) ...
96185	" " " " " " " " Collar with two 436e ...
436e	" " " " " " " " Set Screw ...
96186	" " " " " " " " Worm with two 448c ...
448c	" " " " " " " " Set Screw ...
96187	" " " " " " " " Shaft ...
96188	" " " " " " " " Bracket with two 446e ...
3012	" " " " " " " " Dowel Pin (2) ...
670e	" " " " " " " " Screw (2) ...
446e	" " " " " " " " Set Screw ...
96189	" " " " " " " " Bushing ...
96190	" " " " " " " " Gear with two 448c (3/4" stitch)
96191	" " " " " " " " Driving Gear with two 448c (3/4" stitch)
448c	" " " " " " " " Driving Gear Set Screw
448c	" " " " " " " " Set Screw ...
96192	Guide (adjustable edge) with two 448c ...
96193	Guide Extension Rod ...
690c	" Screw ...
448c	" Set Screw ...
SS459d	" Support Stud Screw ...
96194	Hinged Cover Plate ...
SS460d	" " " " " Hinge Screw ...
96195	" " " " " " Spring ...
96196	" " " " " " Collar with 457c ...
457c	" " " " " " Set Screw ...

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No.	Description
96197	Looper (single thread)
49038	" Bell Crank with 4784
49039	" " " Hinge Stud
448c	" " " " " Set Screw
4784	" " " Oil Pad (Felt)
49158	" " " Pitman with 46223, 49041 and two each 171e and 1057e
49250	" " " " complete, Nos. 49158, 50069c and 50070c
50070c	" " " " Ball Screw Stud (lower)
1636c	" " " " " " " (") Nut
50069c	" " " " " " " (upper)
1619e	" " " " " " " (") Nut
*49041	" " " " " Cap (lower)
171e	" " " " " (") Screw
*46223	" " " " " (upper)
1057e	" " " " " (") Screw
49043	" " " " Washer (Fibre)
49211	" Carrier with 4784 and two each 175e and 1147c
175e	" " Clamping Screw
96198	" " Crank with two 1147c
96199	" " " Lever (forked) with 1177c
96200	" " " Eccentric with two 453c
453c	" " " " " Set Screw
1177c	" " " " " Screw
1147c	" " " " Set Screw
96201	" " " Stud
448c	" " " " Set Screw (2)
38440	" " Hinge Pin
4784	" " Oil Pad (Felt)
49045	Looper Carrier Pitman , complete, Nos. 1708c, 1709c, 49046, 49088 and 49089
50070c	Looper Carrier Pitman Ball Screw Stud (right)
1519e	" " " " " " " (") Nut
46237	" " " " " Stud (left)
1147c	" " " " " " (") Set Screw
*49085	" " " " Cap (left)
171e	" " " " " (") Screw
*49085	" " " " " (right)
171e	" " " " " (") Screw
*49086	" " " " End Bearing (left)
*49087	" " " " " (right)
49088	" " " " Head (left) Nos. 46237, 49085, 49086 and two 171e

No.	Description
49089	Looper Carrier Pitman Head (right) Nos. 49085, 49087, 50070c and two 171e
49046	" " " " Rod
1708c	" " " " " Nut (left)
1709c	" " " " " " (right)
49043	" " " " Washer (Fibre)
96202	Looper and Needle Bar Frame with 1809... ..
96203	" " " " " Cam with two 446c ($\frac{1}{4}$ " stitch)
446c	" " " " " " Set Screw
96204	" " " " " Cover Plate
202135	" " " " " " " Position Pin
200462b	" " " " " " " Screw
96205	" " " " " Fulcrum Stud
96206	" " " " " " " Collar with two 453c
453c	" " " " " " " Set Screw
1186c	" " " " " " " Screw (2)
96207	" " " " " Guide Bar
SS45e	" " " " " " " Screw (2)
1809	" " " " " Roller and Stud
49055	Needle Bar (hollow)
49056	" " Bushing (lower)
941c	" " " (") Set Screw
49056	" " " (upper)
941c	" " " (") Set Screw
49101	" " Connecting Link
49057	" " " " Stud
1517c	" " " " " Nut
49058	" " " " Stud with 391e
391e	" " " " " Clamping Screw
1629c	" Clamping Nut
96208	Presser Foot
96209	" " Lever
96210	" " " Connection
96211	" " " " Crank with 356c
356c	" " " " " Set Screw
76d	" " " " Hinge Screw (2)
96212	" " " Spring
96213	" " " Stud
1036c	" " " " Set Screw
SS79c	" " " Screw

No.	Description	...	...	...	...
2765	Starting Lever	...	...	...	...
2766	" " Hub with 356c	...	...	...	...
356c	" " " Set Screw	...	...	...	...
2763	" " Shaft	...	...	...	...
2770	" " " Stop Collar with 356c (2)	...	...	...	...
356c	" " " " " Set Screw	...	...	...	...
96214	Sub-Base	...	...	...	...
938e	" " Binding Bolt with 1524e (4)	...	...	...	...
1524e	" " " Nut	...	...	...	...
96215	" " Cushion Washer (Leather) (between Sub-Base and Drip Pan) (4)	...	...	...	...
50105c	Tension Body	...	...	...	...
46382	" " Releasing Pin (automatic tension)	...	...	...	...
96216	" " Cam with two 1253c ( " " )	...	...	...	...
1253c	" " Set Screw (automatic tension)	...	...	...	...
2102	" " Disc (4)	...	...	...	...
1560e	" " Regulating Thumb Nut (2)	...	...	...	...
32572	" " Releasing Disc (automatic tension)	...	...	...	...
916f	" " Screw Stud	...	...	...	...
50106f	" " " (automatic tension)	...	...	...	...
46385	" " " Releasing Pin (automatic tension)	...	...	...	...
42121	" " Spring	...	...	...	...
13710	" " (automatic tension)	...	...	...	...
17547	" " Thread Guide	...	...	...	...
96224	Throat Plate	...	...	...	...
96225	" " Body	...	...	...	...
96226	" " " Position Pin (2)	...	...	...	...
157c	" " " Screw (2)	...	...	...	...
1353c	" " " Screw (2)	...	...	...	...
96223	Drip Pan	...	...	...	...

No. 131K2 MACHINE

For Piece-end Stitching.

This machine is the same as the 131K1 less the following parts :

No.	Description	...	...	...	...
*96174	Feed Wheel Drum Cylinder	...	...	...	...
SS474e	" " " " Driving Stud	...	...	...	...
1504e	" " " " " Nut	...	...	...	...
84856	" " " " " Washer	...	...	...	...
*96173	" " " End with two 350c	...	...	...	...
350c	" " " " " Set Screw	...	...	...	...
96227	Feed Wheel Drum, complete, Nos. 96174, two and eighteen 838d	...	...	...	...
84240	Feed Wheel Drum Leg	...	...	...	...
SS366e	" " " " Foot Screw (4)	...	...	...	...
84856	" " " " " Washer (4)	...	...	...	...
96175	" " " " Tie Rod (2)	...	...	...	...
NN46e	" " " " " Nut (8)	...	...	...	...
838d	" " " Screw	...	...	...	...
96176	" " " Shaft 3/8" x 1"	...	...	...	...
96177	" " " " Journal Box (self-aligning)	...	...	...	...
96178	" " " " " Bracket	...	...	...	...
SS452e	" " " " " Bolt with NN87e (2)	...	...	...	...
NN87e	" " " " " Nut	...	...	...	...
12620	" " " " " Washer (2)	...	...	...	...
421e	" " " " " Screw	...	...	...	...
1597j	" " " " " Nut	...	...	...	...

From the library of: Diamond Needle Corp

TO CONVERT 131K2 INTO 131K1

The necessary parts for this purpose are comprised in the following number : -

96229 **Feed Wheel Drum Cylinder, complete, Nos. 421e, SS474e, 1504e, 1507j, 84240, 96176 to 96178, 96227, two each SS452e, 12620, 96175, four SS366e, five 84856 and eight NN46e** ...

THE LENGTH OF STITCH

made by the Machines is $\frac{3}{4}$ ", but this may be varied by using the following parts in place of the corresponding parts in the machines:

Length of Stitch 1"	
No.	Description
96217	Feed Wheel Worm Gear Worm Shaft Gear with two 448c ...
96218	" " " " " " " " Driving Gear with two 448c
96219	Looper and Needle Bar Frame Cam with two 446c ...

Length of Stitch $\frac{1}{2}$ "	
96220	Feed Wheel Worm Gear Worm Shaft Gear with two 448c ...
96220	" " " " " " " " Driving Gear with two 448c
96221	Looper and Needle Bar Frame Cam with two 446c ...

Length of Stitch $\frac{1}{4}$ "	
96218	Feed Wheel Worm Gear Worm Shaft Gear with two 448c ...
96217	" " " " " " " " Driving Gear with two 448c
96222	Looper and Needle Bar Frame Cam with two 446c ...

NOTE.-- Gears for $\frac{1}{4}$ " stitch are the same as for 1" stitch but reversed.
The two Gears for $\frac{1}{2}$ " stitch are exactly alike.

ACCESSORIES

No.	Description
92 x 1	Needles, size 25 (6) ...
36563	Oiler ...
11831	Screw Driver (large) ...
26026	" " (small) ...
41529	Thread Unwinder (for one spool) ...
35095	Tweezers ...
23766	Wrench for 1508 and 1636 ...
8909	" " 1513 " 1517 ...
8908	" " 1519 " 1520 ...
19221	" " 1619 ...
19079	" " 1629 ...
84495	" " 1504, 1507, 1579, 96213 and various bolts and nuts in stand ironwork

IRON WORK AND WOOD WORK

83588	Table 30" x 20" x 1 $\frac{1}{4}$ " ...
87577	Drawer ...
87578	" Runner (2) ...
...	" " Screw (Wood) 1 $\frac{1}{2}$ " No. 7 (6) ...
84240	Leg (2) ...
SS366e	" Foot Screw ...
84856	" " " Washer ...
85197	" Hanger, complete (2) ...
96228	Motor Pulley (double groove, 1 $\frac{1}{4}$ " and 1 $\frac{3}{8}$ " diam. at bottom of grooves), with two 448c. Used for equipment when motor is fitted)
448c	" " Set Screw ...
84294	Rail (20") ...
89133	" (20") ...
SS452e	" Bolt with NN87e ...
NN87e	" " Nut ...
12620	" " " Washer ...
...	" Screw (Wood) 1" No. 10 (20) ...
—	Shaft 30 $\frac{1}{2}$ " x 1 $\frac{1}{4}$ " ...
84301	" Collar with 432c (2) ...
432c	" " Set Screw ...

No.	Description	
89142	Shaft Pulley	(sectional, grooved) 3" diam. with two SS256e (drive to machine)
84272	" "	(" ") 8" " " two 597c (drive from motor)
84273	" "	(" ") 9" " " " 597c (drive from motor)
89143	" "	(" ") 13" " " " 597c (drive from motor)
SS256e	" "	Clamping Bolt with NN76e for 89142
NN76e	" "	" " Nut for SS256e
597c	" "	" Screw for 84272, 84273 and 89143

MOTORS

Motors used are S.D. 96, S.D. 97 and S.A. 920 to S.A. 923

Motor requirements are approximately $\frac{1}{5}$ to $\frac{1}{4}$ H.P. with Switch Control, and fitted with two-groove pulley No. 96228.

Examples of pulley combinations for above motors :--

Shaft Pulleys used with Motors S.D. 96 and S.D. 97 are 89142 (drive to machine) and 89143 (drive from motor) giving machine speed of 520 stitches per minute when using large diameter groove on motor pulley 96228.

Shaft Pulleys used with Motors S.A. 920 and S.A. 921 are 89142 and 84273, giving machine speed of 540 stitches per minute when using large diameter groove on motor pulley 96228.

Shaft Pulleys used with Motors S.A. 922 and S.A. 923 are 89142 and 84272, giving machine speed of 500 stitches per minute when using large diameter groove on motor pulley 96228.