

## REMARKS

The attachment, when properly adjusted for bight, cutting space, number of stitches and length of buttonhole, gives correct motion to goods, but tensions of threads must be right, to get best results.

A little practice enables any operator to get tensions and adjustments best suited to any certain work. The tensions of some machines can be adjusted to make purl or whip stitch buttonholes. Other machines will make only one kind.

It is very important that the goods be held firmly under the cloth clamp No. 27. Surface of feed cover must be level with the bed of machine after being fastened, and the cloth clamp must come down flat on the feed cover, so that every tooth may take hold. All thin feed covers can be easily bent in the narrow part, between gauge screw and needle holes and the front prongs of bottom slide, No. 28 (see price lists of parts) can be sprung slightly up or down. As a test, put a single thickness of muslin under the clamp and pull in different directions. Where special throat plates are used, the only adjustment necessary may be to bend the front prongs of bottom side slightly. All the parts are adjusted before leaving factory, but small variations in machines sometimes occur which may make small readjustments necessary.

The attachment is made a tacker by moving screw C to rear end of slot. Number of stitches, length and bight of tack are adjustable the same as for buttonholes.

Use only good thread. Keep attachment well oiled with best oil only. Oil clutch and all bearing surfaces, putting oil in grooves and on sides of cams. Illustrated price lists of parts are enclosed with each attachment.

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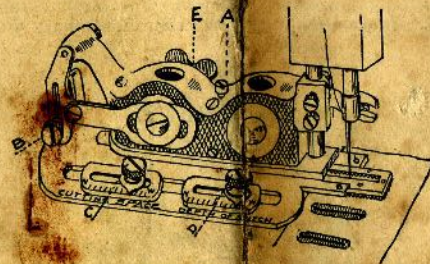
Form-8819  
September, 1921

## INSTRUCTIONS

FOR USING THE

# "FAMOUS" Buttonhole Attachment

Models "C and D"



MODEL "C"

### Fastening to Machine

Remove presser foot.

Cover feed of machine with feed cover, furnished with attachment. According to the construction of machine, the feed cover is fastened by special flat-headed gauge screw, furnished with attachment, or by throat plate screw of the machine.

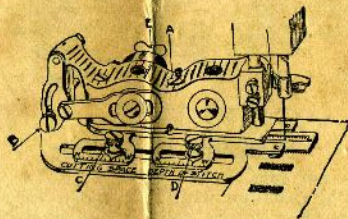
Special throat plate with no feed opening are supplied with attachment for manufacturing styles of machines. This plate is put on after removing the throat plate of machine and the feed points. It allows quicker handling of goods and greater thickness under the cloth clamp. For extreme thickness of goods, the presser bar can easily be raised by removing face plate of machine and loosening set screw or clamp holding the presser bar.



Adjust attachment as shown in small cut on cover, with the length of attachment at right angles to length of bed of machine, and fasten to the presser bar by two screws, so that the buttonhole will come in centre of cloth clamp of attachment. The drive lever of attachment fits over needle clamp or needle set screw of machine, and hardened needle set screws are furnished where necessary.

Fasten the attachment high enough on presser bar so that cloth or garment can be easily placed under cloth clamp, and not so high but that cloth clamp will come down firmly on goods, the attachment being raised and lowered the same as presser foot. Let attachment come down on goods quickly so as to drive teeth of clamp into goods to give firm hold. Have enough tension on presser bar spring for cloth clamp to hold goods firmly; more than this produces unnecessary wear on attachment.

## ADJUSTMENTS



MODEL "D"

For longer buttonholes, lower nut B, at rear of attachment.

For more stitches in buttonholes, loosen small set screw holding eccentric set screw A at right centre, and turn A to lower its head. For any certain position of A, the attachment will make the same number of stitches in the longest, as in the shortest buttonhole, therefore change number of stitches when changing the length of buttonhole.

For greater bight (depth of stitch) loosen nut D and move toward front of attachment. More bight is needed for loose or thin goods, than for firm or thick goods.

For greater cutting space, loosen nut C and push toward front of attachment. Increasing the bight reduces the cutting space, and they should be increased or reduced together. The bight and cutting space should be varied according to the tensions of thread and the thickness and firmness of goods.

Make tensions right to give perfect stitch; adjust bight as wanted, and then adjust cutting space so that there is just enough to cut buttonhole nicely without cutting threads. Too much cutting space makes ragged looking buttonholes.

Buttonhole may be started at any point by moving cloth clamp to any certain position, by turning thumb screw E at side of attachment, but best results are obtained by starting at one end. If it is necessary to hold thread for two or three stitches after starting in sewing, do so in making buttonholes.

For purl buttonholes, make top tension very tight and shuttle tension loose, to draw lock of stitch to top of goods. If fine thread or silk is put into shuttle, it may be unnecessary to loosen shuttle tension. For silk, purl silk may be used only in shuttle and same color thread above. The upper thread should be six cord and No. 40 or No. 50. Fine silk or thread in shuttle makes the prettiest purl.

For whip-stitch holes, use about ordinary shuttle tension and loosen top tension to draw lock of stitch to underside of buttonhole. Use about the same number of top and under thread, unless top is very fine, in which case use heavier under thread. Fine top thread makes prettiest whip stitch buttonholes. Any breaking of needle in making whip stitch is caused by too loose or too tight top tension. If top tension is too loose, thread may knot up on under side of goods and fill needle hole of feed cover. Too tight top tension in some machines will spring needle, causing it to strike on top of feed cover.



NO.	PRICE
45 Washer for holding 44.....	\$ .06
46 Screw for holding 44.....	.06
47 Feed Cover.....	.30
48 Feed Cover Screw, flat head, for 47.....	.10
49 Feed Cover.....	.30
50 Special Throat Plate.....	.50
52 Needle Set Screw.....	.10
53 Chisel Handle.....	.25
54 Chisel Blades:	
$\frac{3}{8}$ -inch wide.....	.10
$\frac{1}{2}$ -inch wide.....	.12
$\frac{3}{4}$ -inch wide.....	.15
Chisel complete with three blades.....	.50

Feed Covers like 47 or 49 go over throat plate of sewing machine.

Special throat plates, like No. 50, or other shapes not shown, are put on after removing throat plate and feed dog of machine and used without feed cover.

Order parts by number. Always specify make and style of machine and whether attachment is Model "C" or Model "D," as some parts vary greatly for different machines. Duplicate parts are always obtainable from Singer Shops.

Orders for parts must be accompanied by cash.

For the accommodation of customers, we repair attachments promptly, and at moderate cost. When attachments are sent to us for repairs, we take them to pieces, thoroughly clean, supply new parts in place of worn ones, and put them in best possible condition throughout.

Attachments for repair must be sent prepaid.

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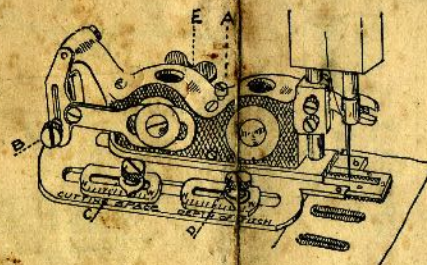
Form 8817

## Illustrated PRICE LIST of Parts

FOR

# "Famous" Buttonhole Worker

Model "C"

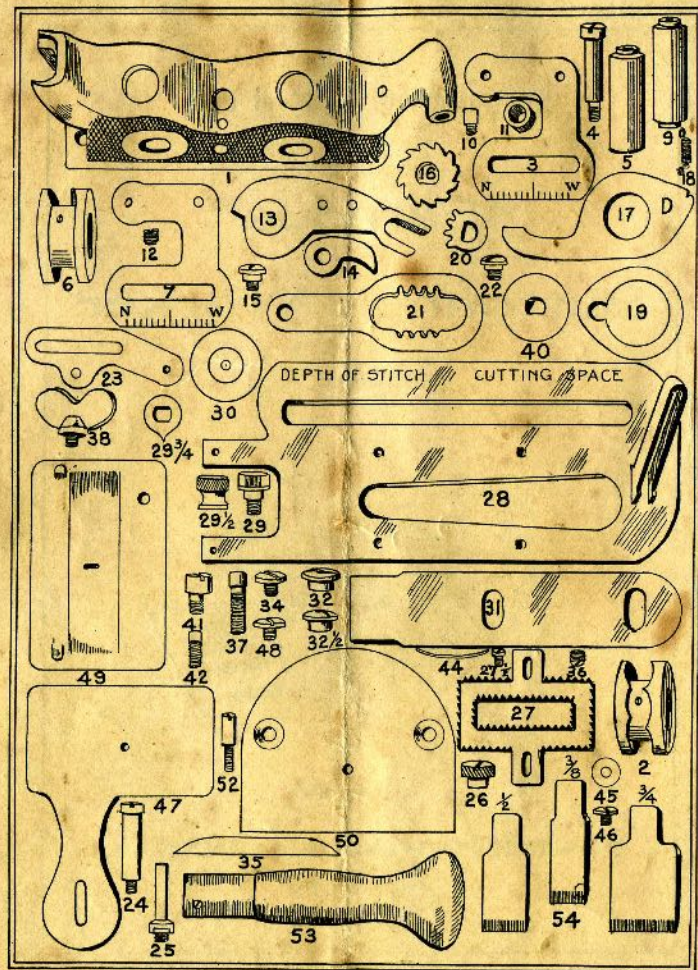


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## Buttonhole Worker, Model "C"

NO.		PRICE
1	Case.....	\$3.00
2	Oscillating Cam.....	1.20
3	Oscillating Cam Lever.....	.60
4	Oscillating and Switch Cam Lever Studs, each.....	.15
5	Oscillating Cam Shaft.....	.30
6	Switch Cam.....	1.20
7	Switch Cam Lever.....	.60
8	Same as No. 4.....	.15
9	Switch Cam Shaft.....	.60
10	Cam Roll Stud.....	.04
11	Cam Roll for 2 or 6.....	.30
12	Cam Set Screw.....	.04
13	Drive Lever.....	.45
14	Pawl.....	.15
15	Pawl Screw.....	.09
16	Ratchet.....	.30
17	Clutch Lever.....	.60
18	Clutch Spring.....	.09
19	Clutch Ring.....	.30
20	Feed Gear.....	.10
21	Feed Rack.....	.60
22	Feed Rack Screw.....	.09
23	Feed Lever.....	.25
24	Feed Lever Stud.....	.15
25	Adjusting Stud.....	.30
26	Adjusting Stud Nut.....	.15
27	Cloth Clamp.....	.60
27 1/2	Cloth Clamp Screw.....	.03
28	Bottom Slide.....	1.25
29	Adjusting Swivel Block and Stud.....	.60
29 1/2	Adjusting Swivel Block Nut.....	.15
29 3/4	Adjusting Swivel Block Pointer.....	.06
30	Retaining Washer.....	.04
31	Retaining Plate.....	.30
32	Retaining Plate Rear Nut.....	.15
32 1/2	Retaining Plate Centre Nut.....	.15
34	Screw to hold No. 16 and No. 30.....	.06
35	Cam Friction Spring.....	.06
36	Cam Friction Spring Set Screw.....	.04
37	Presser Bar Set Screws, each.....	.06
38	Winged Screw for end of Shaft No. 9.....	.21
40	Clutch Disc.....	.30
41	Stitch Regulating Screw.....	.30
42	Set Screw for No. 41.....	.05
44	Pawl Spring.....	.05