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ATTACHMENT FOR BUTTON SEWING MACHINES

Filed Nov. 9, 1929

Fig. 1.

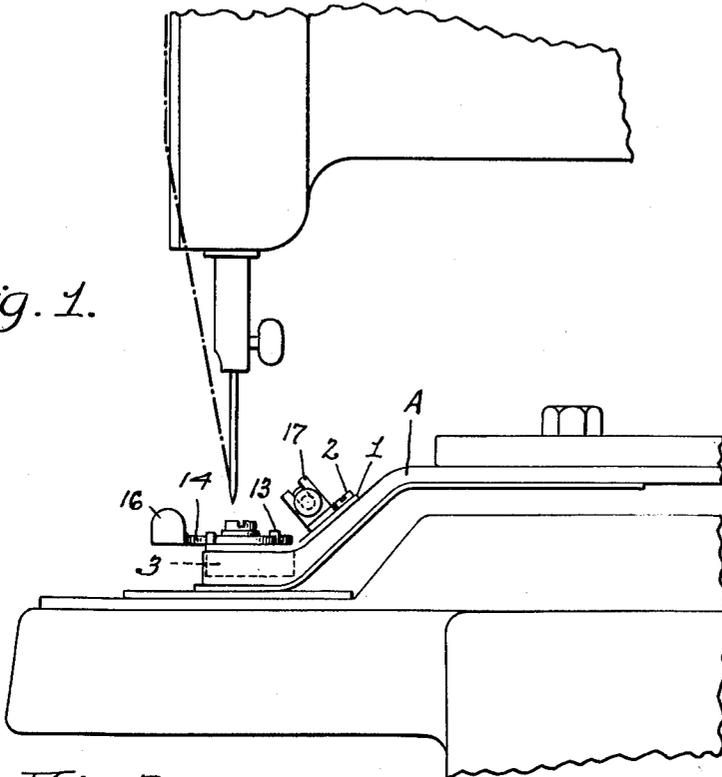


Fig. 2.

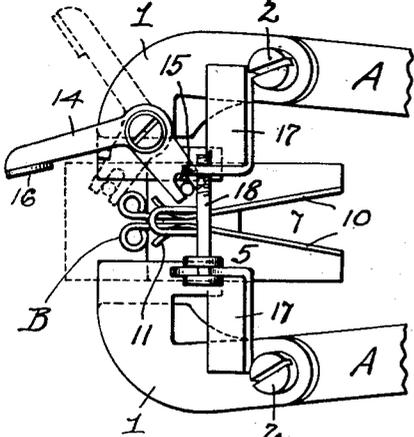


Fig. 3.

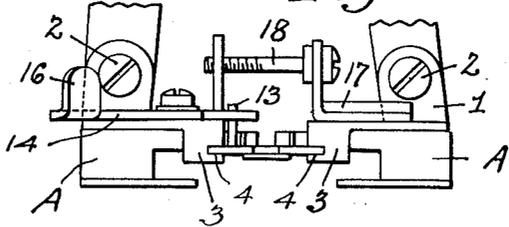
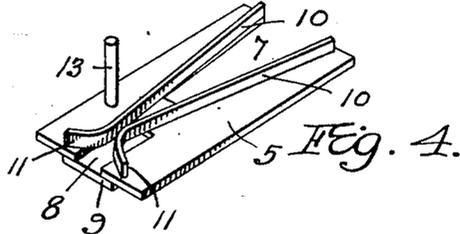
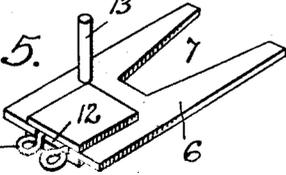


Fig. 5.



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## ATTACHMENT FOR BUTTON-SEWING MACHINES

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This invention relates to improvements in button sewing machines, the general object of the invention being to provide means whereby hooks and eyes can be sewn to material by the machine.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawing and specifically pointed out in the appended claims.

In describing the invention in detail, reference will be had to the accompanying drawing wherein like characters denote like or corresponding parts throughout the several views, and in which:—

Figure 1 is an elevation showing the invention in use on a sewing machine.

Figure 2 is a plan view.

Figure 3 is a front view.

Figure 4 is a view of the plate for holding the hooks.

Figure 5 is a view of the plate for holding the eyes.

In these views, the letters A indicate the pair of buttonhole members of the button sewing machine, these members being of the usual type, and in carrying out my invention, I connect an angle-shaped plate 1 to the shank of each member A by a screw 2 so that the plates are pivotally connected with the shanks. The fastened limb of each plate is arranged at an inclination which accords with the inclination of the shank of the member A and the other limb of the plate is arranged at a slight inclination and extends inwardly beyond the inner edge of the member A, where said limb is formed with a depending portion 3 which extends rearwardly beyond the said limb. The inner edge of each part 3 is formed with a groove 4, these grooves forming guideways for the plate 5 or the plate 6. Each plate 5 and 6 is formed with a rear recess 7 and the plate 5 is formed with a front notch 8 which is closed on its bottom by a plate 9 attached to or forming part of the plate 5. This recess and plate 9 form a socket for receiving a hook, such as shown at B in Figure 2.

A pair of spring strips 10 is fastened at their rear portions to the top of the plate 5, the rear portions of these strips being in alignment with the walls of the recess 7, with the front ends of the strips free of the plate. These front ends approach each other over the notch 8 and their front extremities are bent outwardly, as at 11. Thus the front ends of these strips form spring jaws for engaging the hook portion of a hook B, with a part of the hook resting in the notch and with its eyes extending beyond the front edge of the plate 5.

The plate 6 is formed with a closed socket 12 which opens out at the front end of the plate so that an eye C can be placed in the socket, with its eyelets projecting beyond the front end of the plate. Each plate has an upstanding pin 13 thereon and a bell crank lever 14 is pivoted to one of the plates 1 and has a notch 15 in its inner end for engaging the pin so that by pressing upon the finger piece 16 at the front end of the lever, the plate 5 or 6 will be moved forwardly or rearwardly in the guideways, according to the direction of movement of the lever.

When in forward position, either the hook B or the eye C, according to which plate is being used, can be placed in the socket and then by moving the plate rearwardly, the eyelets on the article will be in a position to receive the needle of the sewing machine so that the article will be sewn on the garment or fabric to which it is to be attached. It will, of course, be understood that when hooks are to be sewn to the fabric, the plate 5 is used and when the eyes are to be sewn to the fabric, the plate 6 is used.

An angle-shaped bracket 17 is connected with each plate 1 and these brackets are adjustably connected together by the screw 18 which has a groove in its head receiving the forked end of one bracket, with its threaded end engaging a threaded hole in the other bracket. Thus by turning the screw in one direction or the other, the plates 1 and the parts carried thereby can be moved toward or away from each other so that the guideways will properly engage the plates.

It is thought from the foregoing descrip-

tion that the advantages and novel features of the invention will be readily apparent.

It is to be understood that changes may be made in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claims.

What I claim is:—

1. In combination with a sewing machine, including holding members, a member connected with each holding member and having a part extending inwardly beyond the inner edge of said holding member, the inner edge of said part having a groove therein, said grooves forming guideways, a plate slidably arranged in said guideways and having holding means thereon for receiving an article having eyelets thereon, with the eyelets projecting from the front of the plate, whereby the machine will sew the eyelets to fabric, and means for adjusting the plate inwardly or outwardly.

2. In combination with a sewing machine, including holding members, a member connected with each holding member and having a part extending inwardly beyond the inner edge of said holding member, the inner edge of said part having a groove therein, said grooves forming guideways, a plate slidably arranged in said guideways and having holding means thereon for receiving an article having eyelets thereon, with the eyelets projecting from the front of the plate, whereby the machine will sew the eyelets to fabric, means for adjusting the plate inwardly or outwardly, such means comprising a bell crank lever having a notch at its inner end and a pin on the sliding plate passing through the notch.

3. In combination with a sewing machine, including holding members, a member connected with each holding member and having a part extending inwardly beyond the inner edge of said holding member, the inner edge of said part having a groove therein, said grooves forming guideways, a plate slidably arranged in said guideways and having holding means thereon for receiving an article having eyelets thereon, with the eyelets projecting from the front of the plate, whereby the machine will sew the eyelets to fabric, means for adjusting the plate inwardly or outwardly, such means comprising a bell crank lever having a notch at its inner end, a pin on the sliding plate passing through the notch and means for adjusting the members on the holding members toward or away from each other.

In testimony whereof I affix my signature.

JEFFERSON S. LOHMAN.