(No Model.)

# W. WALLICK.

## CLAMP FOR BUTTON HOLE SEWING MACHINES.

No. 385,585. Patented July 3, 1888.

FIG. 1.

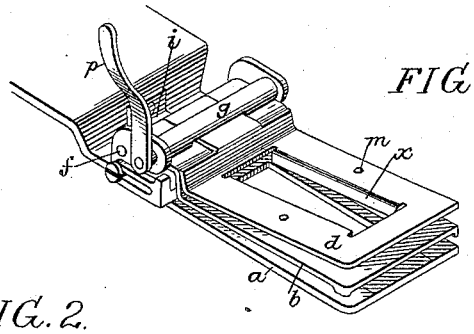



FIG. 2.

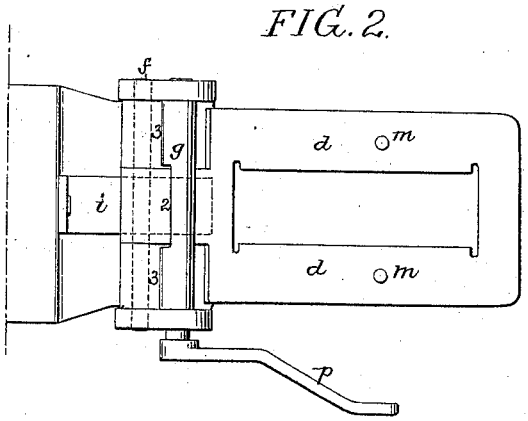



FIG. 5

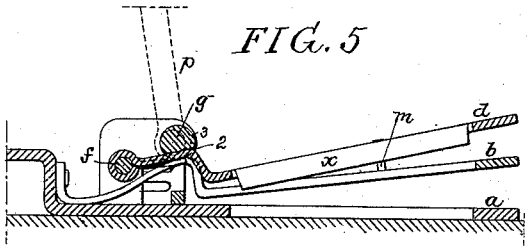



FIG. 6.

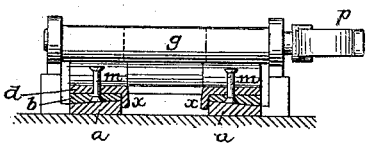



FIG. 3.

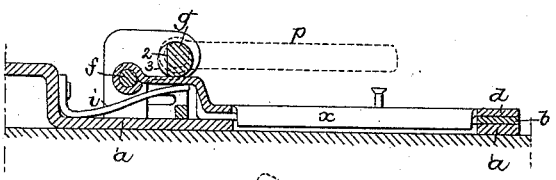



FIG. 7

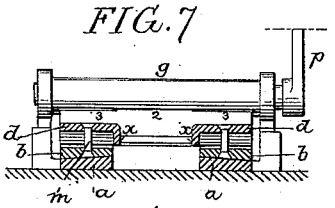



FIG. 4.

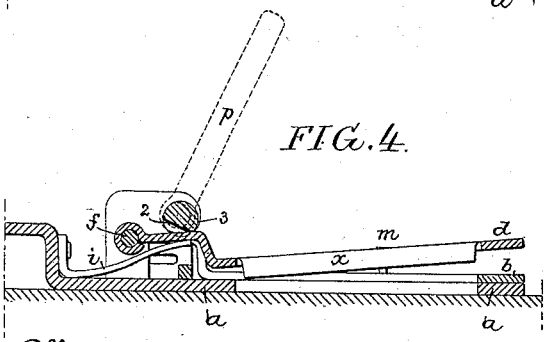
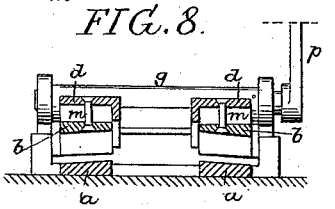



FIG. 8.




Witnesses
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# UNITED STATES PATENT OFFICE.

WASHINGTON WALLICK, OF PHILADELPHIA, PENNSYLVANIA.

## CLAMP FOR BUTTON-HOLE SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 385,585, dated July 3, 1888.

Application filed April 30, 1886. Serial No. 200,686. (No model.)

*To all whom it may concern:*

Be it known that I, WASHINGTON WALLICK, a citizen of the United States, residing in Philadelphia, Pennsylvania, have invented certain Improvements in Button-Hole Attachments for Sewing-Machines, of which the following is a specification.

The object of my invention is to so construct a cloth-clamp for sewing-machines as to provide for the effective stretching of the fabric before proceeding to form the stitches.

In the accompanying drawings, Figure 1 is a perspective view of my improved cloth-clamp. Fig. 2 is a plan view of the same. Figs. 3, 4, and 5 are longitudinal sectional views showing the parts of the clamp in different positions. Figs. 6, 7, and 8 are transverse sections of the clamp with the parts respectively in the positions shown in Figs. 3, 4, and 5.

*a* is the base-plate of the clamp, in which is a longitudinal slot; and *b* is the clamping-plate having a similar slot, while *d* is the plate, which I term the "stretching-plate," the same also being slotted, but having on opposite sides of the slot downwardly-projecting flanges *x*. Both of the plates *b* and *d* are hung to a pivot-pin, *f*, carried by opposite standards on the base-plate of the clamp, and to said standards, above the clamp-plates, is hung a duplex cam, *g*, the central portion of which acts upon the upper plate, *d*, while those portions nearest the ends act upon the intermediate plate, *b*, a suitable spring, *i*, serving to elevate the plate *d*, and the latter in turn elevating the plate *b* by contact with the heads of pins *m*, carried by said plate *b*. The cam *g* has at one end a suitable operating-arm, *p*, and the central portion, 2, of the cam is cut away, as shown in Figs. 3, 4, and 5, so that the end portions, 3, will act in advance of said central portion, the latter not being brought into action until the cam has almost completed its movement. It will thus be seen that the fabric introduced between the plates *a* and *b* will first be clamped firmly between said plates on the descent of the plate *b*, and upon the descent of the plate *d* the flanges *x* of the same will depress the cloth into the recess of the lower plate, and thus tightly stretch the same and press it down firmly upon the bed-plate, in connection with which the cloth-clamp is used.

I claim as my invention—

1. The combination, in a cloth-clamp, of the slotted base-plate serving as a support for the cloth, the intermediate slotted clamping-plate confining the cloth to said base-plate, the upper flanged and slotted stretching-plate, and a depressor for forcing said upper and intermediate plates downward, all substantially as specified.

2. The combination of the base-plate, two upper plates secured thereto, a spring whereby said upper plates are forced away from the lower plate, and a device for forcing said upper plates into contact with the cloth against the action of said spring, all substantially as specified.

3. The combination of the lower plate, two upper plates, and the cam having faces which bear against both of said upper plates, whereby they may be separately brought into contact with the cloth, substantially as specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WASHINGTON WALLICK.

Witnesses:
WILLIAM D. CONNOR,
HARRY SMITH.