No. 679,751. Patented Aug. 6, 1901.

J. T. HOGAN.

CLAMP FOR HOLDING BUTTONS.

(Application filed Nov. 8, 1899.)

(No Model.)

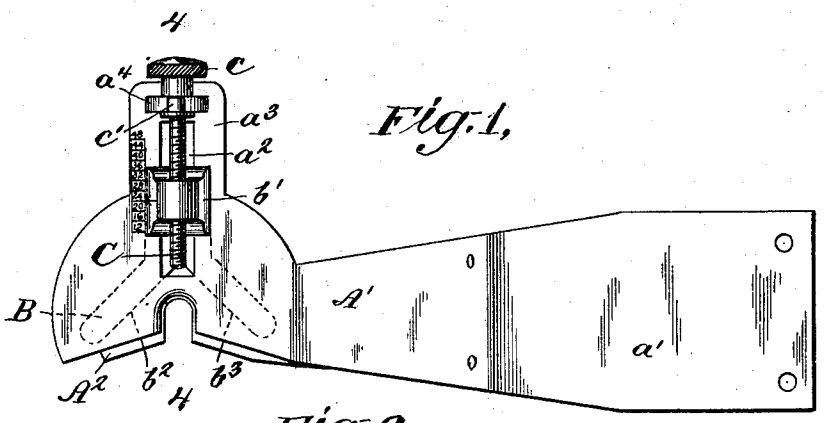


Fig. 1.

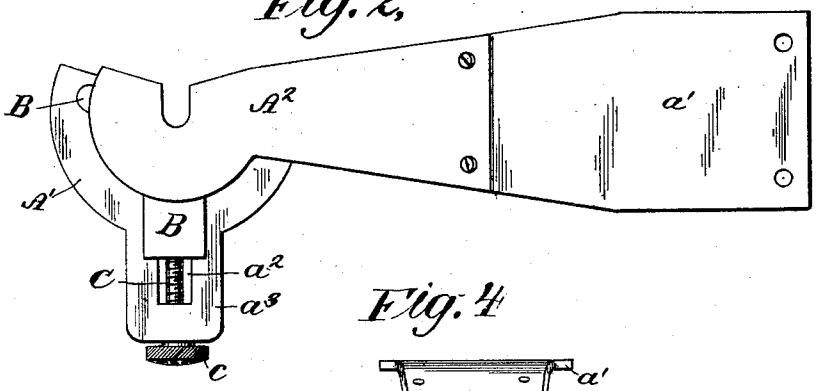


Fig. 2.

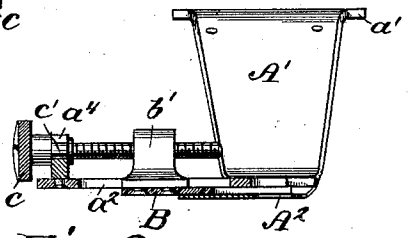
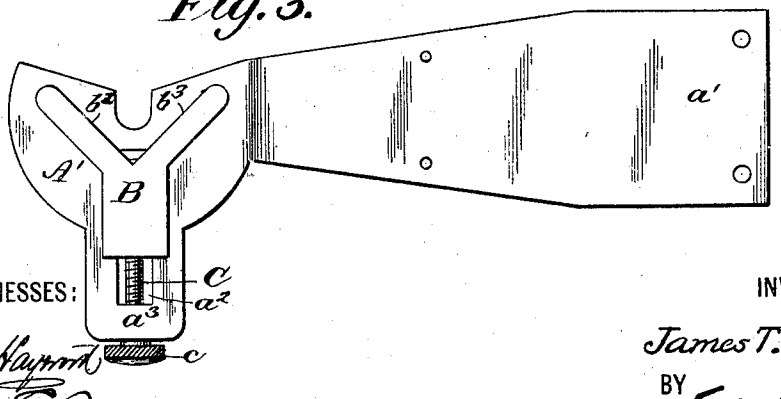


Fig. 4

Fig. 3.



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CLAMP FOR HOLDING BUTTONS.

SPECIFICATION forming part of Letters Patent No. 679,751, dated August 6, 1901.

Application filed November 8, 1899. Serial No. 736,227. (No model.)

To all whom it may concern:

Be it known that I, JAMES T. HOGAN, a citizen of the United States, residing at Jersey City, in the county of Hudson and State of New Jersey, have invented a new and useful Improvement in Clamps for Holding Buttons, of which the following is a specification.

My improvement relates to clamps for buttons having holes extending through them and for holding and presenting such buttons in proper relation to the sewing mechanism of a machine by which they are to be attached to a fabric.

The improvement comprises two plates, between which the button is held, an intermediate piece having an inclined surface serving as bearings for the edge of a button, and means whereby said piece may be adjusted relatively to the said plates. These means may advantageously consist of a screw and nut, and combined with the nut may be an indicator to indicate the necessary adjustments for buttons of different sizes.

In the accompanying drawings, Figure 1 is a plan or top view of a clamp embodying my improvement. Fig. 2 is an inverted plan or bottom view of the same. Fig. 3 is an inverted plan or bottom view with the bottom plate removed, and Fig. 4 is a transverse section at the plane of the dotted line 4 4 of Fig. 1.

Similar letters of reference designate corresponding parts in all the figures.

A' A^2 designate two plates, which may be conveniently made of semicircular outline, with a semicircular or analogous notch or opening at the center. The top plate A' is made comparatively stiff and rigid and is provided with a shank a' for attachment to any suitable part of a mechanism employed to hold or present a button to be sewed to the sewing mechanism which is to attach it to a fabric. The bottom plate A^2 is resilient and has a tendency to move away from the upper plate, and any upward pressure upon the plate A^2 or any downward pressure upon the plate A' will produce a tendency in the two plates to move toward one another.

B designates a piece arranged intermediately of the plates A' A^2. It is provided with a shank b, that fits a slot a^2, formed in a shank a^3, extending from the upper plate A'. The shank b is made integral, so that it cannot rotate or oscillate in the slot a^2. The upper end of the shank b is provided with a head b', that overlaps the upper plate A'. This head has a tapped hole with which engages a screw C, whose head c has a circumferential groove c', with which engage lugs a^4, extending from the shank a^3 of the plate A'. By turning the screw in one direction the piece B may be moved forwardly or toward the central recess of the plates A' A^2. By turning the screw in a reverse direction the piece B will be moved in the reverse direction. The front of the piece B has two inclined surfaces b^2 b^3, which are at such an angle to each other as to form for the edge of a button bearings which will centralize the button with reference to the central recesses of the plates A' A^2, thus securing the proper presentation of the button with reference to the sewing mechanism of the sewing-machine.

All the parts described may be made of metal, preferably of steel.

An indicator may be employed for facilitating the adjustment of the piece B for different-sized buttons. Such an indicator may consist of a number of graduations marked upon the upper plate A', and an index, such as an arrow, marked upon the head b' of the shank b and belonging to the piece B.

What I claim as new is—

1. In a clamp for holding buttons, the combination of a stiff upper plate having an opening therein, a resilient lower plate, each of said plates having an open-ended slot and which slots register, a centering-piece intermediate of said upper and lower plates having two oppositely-inclined surfaces forming bearings for a button, a shank provided for the centering-piece which projects through the opening in the upper plate, and a screw for positively moving and controlling the position of said centering-piece.

2. In a clamp for holding buttons, the combination of a stiff upper plate having an opening therein, a resilient lower plate, each of said plates having an open-ended slot and which slots register, a centering-piece intermediate of said upper and lower plates and having two oppositely-inclined surfaces forming bearings for a button, a shank provided

for the centering-piece which projects through the opening in the upper plate, a screw for positively moving and controlling the position of said centering-piece, a scale provided on one of said plates, and an index carried by the shank.

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

JAMES T. HOGAN.

Witnesses:
GEO. E. CRUSE,
J. M. RIEMANN.