

D. L. CARDINAL.
 BUTTONHOLE ATTACHMENT.
 APPLICATION FILED JULY 1, 1911.

1,025,682.

Patented May 7, 1912.

Fig. 1.

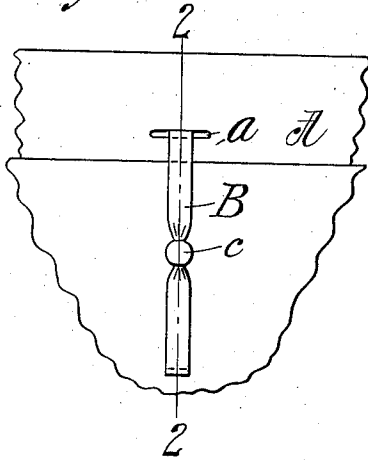


Fig. 2.

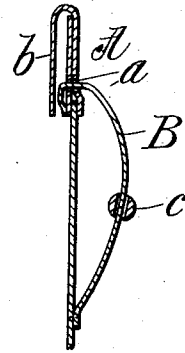


Fig. 3.

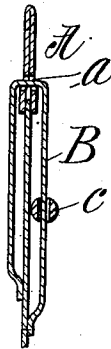


Fig. 4.

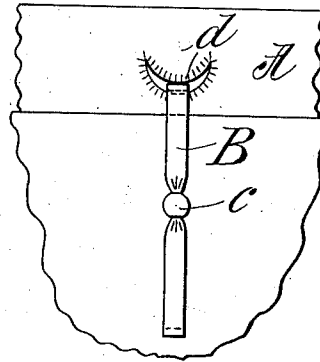
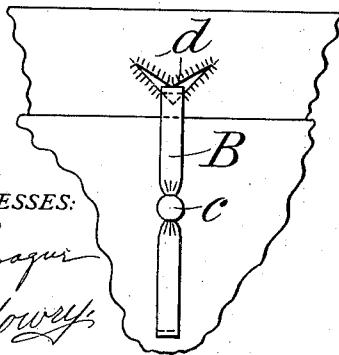


Fig. 5.



WITNESSES:

H. L. Sprague
R. M. Mowry

INVENTOR,

Delia L. Cardinal,

BY

N. S. Beeman

ATTORNEY.

UNITED STATES PATENT OFFICE.

DELIA L. CARDINAL, OF SPRINGFIELD, MASSACHUSETTS.

BUTTONHOLE ATTACHMENT.

1,025,682.

Specification of Letters Patent.

Patented May 7, 1912.

Application filed July 1, 1911. Serial No. 636,459.

To all whom it may concern:

Be it known that I, DELIA L. CARDINAL, a citizen of the United States of America, and resident of Springfield, in the county of Hampden and State of Massachusetts, have invented certain new and useful Improvements in Buttonhole Attachments, of which the following is a full, clear, and exact description.

10 This invention relates to new and peculiarly arranged means, especially adapted for use in button-holes in the collar band of a shirt, but also applicable to button-holes in general, for opening the button-hole to admit of easy insertion of a stud or collar button therein.

An object of this invention is to provide a simple and efficient means of opening or drawing apart the lips of a button-hole.

20 Further objects and advantages of my invention will be hereinafter made manifest.

This button-hole opening means is adapted for use in conjunction with the commonly used straight button-hole or may be used in conjunction with button-holes of V and U-shape, as will more fully hereinafter be described.

My invention, briefly, consists of a loop of tape having the opposite ends thereof secured to opposite sides of the garment, an intermediate portion thereof passing through a button-hole, and having preferably a bead-like member engaged with the outwardly disposed portion of the loop to prevent the loop from being stuck by starch to the back of the garment in the ironing of the latter.

It is often the case with button-holes in starched garments that difficulty is encountered in inserting studs or buttons therein. This difficulty arises from the fact that the stiffness of the garment prevents the hole from being opened to admit the thickened head of the stud, and it is also the case that the opposite edges of the button-hole become starched together and it is difficult to separate them.

This invention is described in conjunction with the accompanying drawings and is set forth in the claims.

50 In the drawings:—Figure 1 represents a portion of the neck or collar-band of a shirt,

having a button-hole therein, which shirt is shown as provided with my improved opening means. Fig. 2 is a sectional view taken on the line 2—2, Fig. 1, and in which a protective flap for the neck band is indicated. Fig. 3 is a sectional view similar to Fig. 2, without the protective flap. Figs. 4 and 5 are views similar to Fig. 1, showing my improved means for opening button-holes as used in conjunction with button-holes of special form.

In the drawings, A represents a portion of a neck or collar band on a shirt, or other article of apparel, having the protective flap *b* on the inner side thereof, and having formed therein the button-hole *a*, which may be of the common straight form, as in Fig. 1.

B represents a piece of narrow tape having one extremity thereof stitched to the garment outside of, and below and beyond the button-hole, the other extremity being secured to the garment under the protective flap *b* and below the button hole, and having an intermediate portion thereof passed through the buttonhole, thus forming a loop which serves by a downward pull on the outwardly disposed portion, to open or part the lips of the buttonhole; and also serving as a tie stay or loop, and still further as a means by which the garment may be hung up. On the outwardly disposed portion of the loop B, a bead-like member *c* is engaged, which measurably prevents the loop from adhering from the starching or ironing to the garment. It also may be grasped to operate the button hole opening loop eye. This loop B may be employed whether the protective flap *b* is used or not.

I claim:—

1. The combination with a part of a garment having a buttonhole, of a tape having an intermediate portion thereof extending through the buttonhole and having its extremities extending beyond the buttonhole in the same direction on opposite sides of the fabric in which the buttonhole is formed and having both ends thereof permanently secured to the fabric, the intermediate portion of said tape being free and adapted to cause a distention of said buttonhole.

2. The combination with a garment hav-

ing a buttonhole, of a loop of tape having
the opposite extremities thereof permanently
secured to opposite sides of the garment,
and having an intermediate portion passed
5 through the button-hole and a bead-like
member engaged with the outwardly dis-
posed portion of the loop.

Signed by me at Springfield, Mass., in
presence of two subscribing witnesses.

DELIA L. CARDINAL.

Witnesses:

G. R. DRISCOLL,
DAVID CORNELL.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."