No. 646,416. Patented Apr. 3, 1900.

W. A. DE LONG, JR.

BUTTON FASTENING DEVICE.

(Application filed Aug. 2, 1899.)

(No Model.)

Fig. 1.

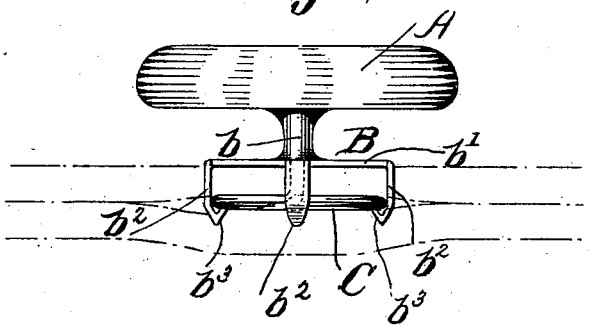


Fig. 2.

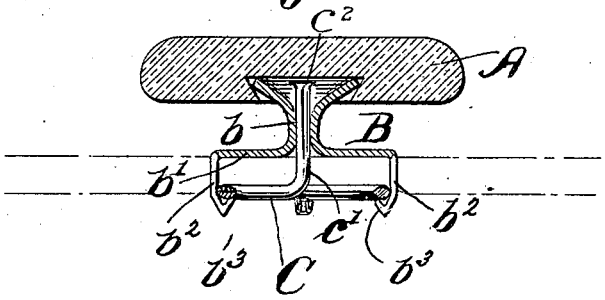


Fig. 3.

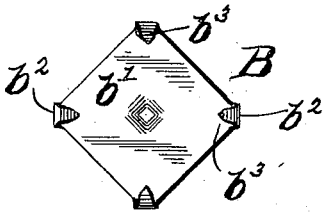
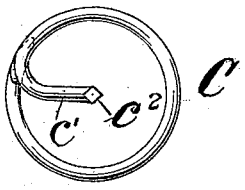


Fig. 4.



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BUTTON-FASTENING DEVICE.

SPECIFICATION forming part of Letters Patent No. 646,416, dated April 3, 1900.

Application filed August 2, 1899. Serial No. 725,874. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM A. DE LONG, Jr., a citizen of the United States, residing in the borough of Manhattan, city, county, and State of New York, have invented certain new and useful Improvements in Button-Fastening Devices, of which the following is a specification.

My invention relates to metallic fastening devices for buttons.

I will describe a fastening device embodying my invention and then point out the novel features thereof in the claims.

In the accompanying drawings, Figure 1 is a side view of a button and a fastening device embodying my invention. Fig. 2 is a vertical section of the same. Figs. 3 and 4 are detail views of the two parts of the fastening device.

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

A represents a button, which may be of any material, and B and C the two parts of the fastening device of the button.

The part B may be secured to the button in any desired manner. In the case of pearl buttons an annular recess, the wall of which is undercut, is formed in the button, and one end of the part B of the fastener is secured in this recess, preferably by swaging. In the case of other buttons the part B is screwed, soldered, cemented, or otherwise attached as may be found convenient.

The part B comprises, preferably, a shank b and a plate b', which is provided with a plurality of fingers b^2, here shown as spring hooks or barbs. The shank and plate may be separately formed and then united, or they may be made integral. The shank b is hollow and angular, here shown as being square, for the reception of the projection c' of the part C.

The part C is in the form of a spiral, one end of which, c', projects upward from the spiral, while the other end is pointed, so that it may easily enter the goods. The projection c' is shaped to fit the hollow shank b, and it has vertical play in it. A head c^2 may be provided on the projection c' to prevent its coming out of the shank.

The operation of the button-fastener is as follows: The spiral is put through the cloth at the place where the center of the button is desired by turning the button. After the spiral has entered the cloth the button is pressed toward the cloth, so that the ends of the fingers pass through the cloth and engage with the spiral. If desired, after the fingers are engaged with the spiral they may be bent about the spiral by means of pincers to securely hold the parts B and C in engagement. Preferably the ends of the fingers are so formed that they may be disengaged from the spiral.

It will be understood that the plate b', carrying the barbs b^2, and the spiral C are of such proportions relatively that when the spiral is passed through the cloth and the button is pressed upon the barbs will readily engage with the spiral.

My fastening device is designed more particularly for use on garments where there are two thicknesses of cloth—as, for example, the lapel of the coat. The spiral is passed through one layer only of the cloth, the other layer serving to hide or cover the spiral and the projecting barbs of the second part of the fastener.

What I claim as my invention is—

1. A button-fastening device, comprising a spiral carried by the button and adapted to enter the cloth, and fingers carried by the button, the ends of which are adapted to pass through the cloth and engage the spiral, substantially as described.

2. A button-fastening, comprising a shank on the button, a spiral adapted to enter cloth or other material, carried by the shank, and fingers on said shank the ends of which are adapted for engagement with said spiral.

3. A button-fastening device comprising a spiral, adapted to enter cloth or other material, and having an upwardly-projecting end, a shank carried by a button in which the end of the spiral is held, a plate carried by the shank and a plurality of fingers, the ends of which are passed through the cloth to engage the spiral.

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

WILLIAM A. DE LONG, JR.

Witnesses:
W. LAIRD GOLDSBOROUGH,
GEO. E. CRUSE.