R. H. WILLIAMS.

BUTTON FASTENING.

No. 176,110. Patented April 11, 1876.

Fig. 1.

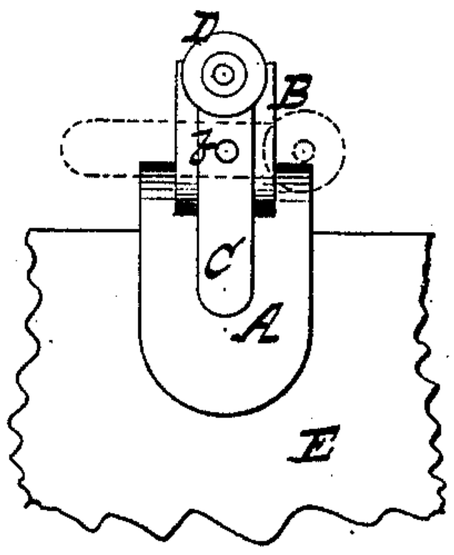


Fig. 2.

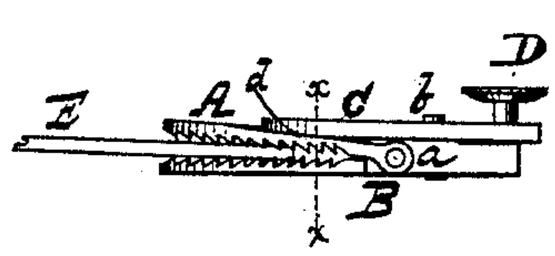
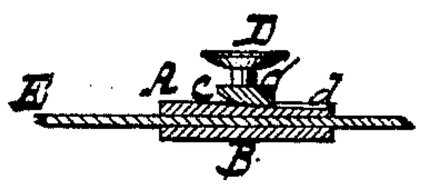


Fig. 3.



Witnesses.
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UNITED STATES PATENT OFFICE.

RICHARD H. WILLIAMS, OF MOUNT VERNON, NEW YORK.

IMPROVEMENT IN BUTTON-FASTENINGS.

Specification forming part of Letters Patent No. **176,110**, dated April 11, 1876; application filed February 9, 1876.

To all whom it may concern:

Be it known that I, RICHARD H. WILLIAMS, of Mount Vernon, in the county of Westchester and State of New York, have invented a new and useful Improvement in Button-Fastenings, which improvement is fully set forth in the following specification, reference being had to the accompanying drawing, in which—

Figure 1 represents a plan view of my improvement. Fig. 2 is a side view. Fig. 3 is a cross-section in the plane *x x*, Fig. 2.

Similar letters indicate corresponding parts.

My invention relates to a contrivance for fastening buttons to garments and other articles; and it consists in two articulated jaws, to one of which is pivoted a clamping-arm carrying a button in such a manner that, by turning the arm to a certain position the jaws are firmly shut, while if the jaws are made to grasp the edge of a garment or other article the button is securely fastened to such article. The inner surface of the clamping-arm and the outer surface of the jaw on which the arm bears are beveled, in order to facilitate the adjustment of the arm to a proper position for clamping the jaws, and to permit of closing the jaws to a greater or less extent, as hereinafter fully set forth.

In the drawing, the letters A B designate the two jaws of my fastening device. These jaws are articulated or connected to each other by means of a pivot, *a*, and I prefer to serrate the inner surfaces of the jaws for the purpose of increasing their hold on the article which they may be made to grasp. To the shank of the jaw B is connected a clamping-arm, C, by means of a pivot, *b;* and to this arm C is attached a button, D, having the form of an ordinary button for garments. The button D is situated near one end of the clamping-arm, as shown. If the arm C is turned so that it is parallel, or nearly so, to the jaws A B, the inner portion of the arm compresses the jaw A on the jaw B; hence if the two jaws are made to grasp the edge of a garment, E, or other article, the button D is made fast thereto, and may be used in the customary way. In order to release the jaws it is only necessary to turn the clamping-arm to a position crosswise of the jaws, as seen in Fig. 1, in dotted outline. The lower surface of the clamping-arm C is beveled, as seen at *c*, Fig. 3, while the outer surface of the jaw A has a bevel, *d*, so that the arm is not liable to come in contact with the edge of the jaw A in being adjusted to its clamping position, and, moreover, is adapted to shut the jaw A to a greater or less extent, for the purpose of grasping different thicknesses of material.

My device can be used for fastening buttons to various articles besides garments, as, for instance, window-curtains or shades, cupboard-screens, &c., while it can be attached or detached with extreme facility.

I am aware that a button-fastening composed of two toothed jaws clamped together by means of a screw has been heretofore used, but such has proved objectionable, owing to the tendency of the screw to work loose and release the edges of the cloth, while in my device the strain upon the cam when the two parts of the fabric are fastened together holds the cam in proper clamping position, thereby effectually securing the edge of the material between the jaws and preventing all possibility of its release until the opposite edge of the cloth is unbuttoned.

What I claim as new, and desire to secure by Letters Patent, is—

1. In a button-fastening, the combination of the two jaws A and B, one of which is pivoted to the sides of the other, and the pivoted swinging clamping-arm C, carrying at one end the button D, and the other end being constructed to operate on the pivoted jaw, substantially as described.

2. The clamping-arm C, having the bevel *c*, and carrying the button D, in combination with the jaw A, having the bevel *d* and the jaw B, substantially as described.

In testimony that I claim the foregoing I hereunto set my hand and seal this 27th day of January, 1876.

RICHARD H. WILLIAMS. [L. S.]

Witnesses:

E. F. KASTENHUBER,

J. VAN SANTVOORD.