(No Model.)

G. W. PRENTICE.

BUTTON FASTENER.

No. 315,065. Patented Apr. 7, 1885.

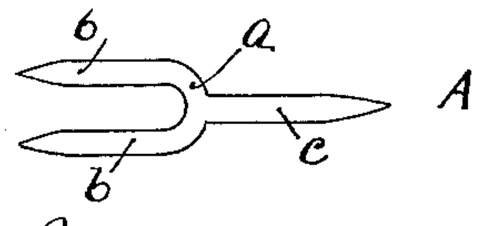

Fig. 1.

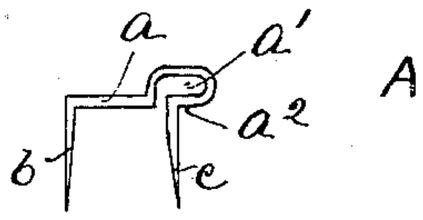

Fig. 2.

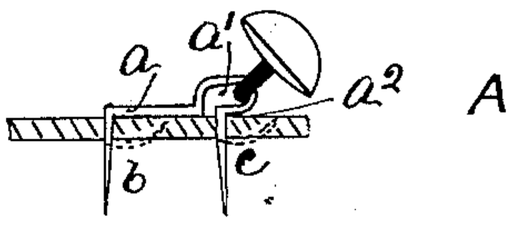

Fig. 3.

Witnesses.

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UNITED STATES PATENT OFFICE.

GEORGE W. PRENTICE, OF PROVIDENCE, RHODE ISLAND.

BUTTON-FASTENER.

SPECIFICATION forming part of Letters Patent No. 315,065, dated April 7, 1885.

Application filed December 31, 1884. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. PRENTICE, a citizen of the United States, residing at Providence, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Button-Fasteners; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My present invention relates to button-fasteners of the class known as "prong-fasteners," composed of a plate having prongs integral therewith, one of said prongs adapted to be bent to form a loop, and an additional plate or bearing, both the said plates to be secured to fabric by means of the prongs, which are caused to penetrate the same and be clinched by means of a suitable setting-instrument.

In the accompanying drawings, Figure 1 represents the blank from which my improved fastener is formed. Fig. 2 is a side elevation of my improved fastener. Fig. 3 represents the fastener with button as attached to fabric.

Similar letters of reference indicate like parts in the several figures.

In carrying out my invention I first cut the blank A from sheet metal in substantially the form shown in Fig. 1, consisting of the plate *a*, provided with three parallel integral prongs, *b b* and *c*, the longer and single prong, *c*, constituting the button-carrying prong, being opposite and in line with the space between the prongs *b b*. The prongs are all subsequently bent downward at right angles to the plate *a*, the single prong *c* being bent horizontally near its junction with the said plate to form the elongated loop *a'* for the reception of the eye-shank of a button, the lower portion of said loop forming a table, a^2, the remainder of the prong *c* projecting downward from the inner end of said table, as fully shown in Fig. 2. The end of the prongs are sharpened to readily penetrate the fabric in attachment.

In the operation of attaching buttons to fabric by means of my improved fastener, the eye-shank of a button is passed over the prong *c* into the elongated loop *a'*. The prongs of the fastener are then inserted through the fabric and clinched on the under surface, the prongs being clinched toward the elongated loop *a'*, as fully shown in Fig. 3.

By means of my improvement I am enabled to provide a strong and durable fastener for eye-shank buttons. The double prongs are clinched under the plate of the fastener, with their points concealed in the fabric, while the single prong is bent forward and clinched in the same direction, firmly clamping the fabric against the base of the elongated loop, thereby greatly increasing the holding capacity of the fastener, and also lessening the liability of the single prong becoming detached from the fabric.

I have shown and described a fastener provided with three attaching-prongs. The number may be varied, if desired. The same result will also be accomplished if the fastener is made of wire or cut to form, as shown, from sheet metal, ready for use when so cut.

Having described my invention, I claim—

1. A button-fastener composed of a table provided with attaching-prongs integral therewith, one of said prongs being bent horizontally into an elongated loop for the reception of the eye-shank of a button, the lower portion of said loop forming a table provided at its inner end with a penetrating attaching-prong, the prongs of the fastener adapted to be passed through a fabric and be clinched in the same direction, substantially as and for the purpose set forth.

2. The one-piece metallic button-fastener A, consisting of the plate *a* and the parallel prongs *b b* and *c*, the prong *c* constituting the button-carrying prong and bent horizontally into an elongated loop, *a'*, forming the table a^2, all as shown and described, and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE W. PRENTICE.

Witnesses:

FRANKLIN A. SMITH, Jr.,

CHARLES GREENE.