

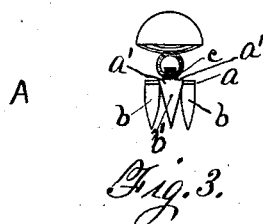
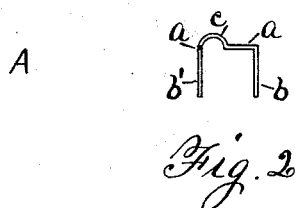
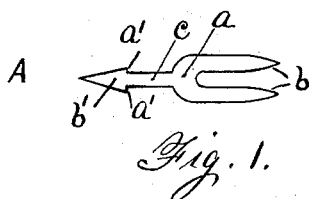
(No Model.)

J. F. THAYER.

BUTTON FASTENER.

No. 302,299.

Patented July 22, 1884.



Witnesses.

Charles Greene.

E. Fisher.

Inventor.

James F. Thayer.
by Franklin D. Smith,
Atty.

UNITED STATES PATENT OFFICE.

JAMES F. THAYER, OF PROVIDENCE, RHODE ISLAND.

BUTTON-FASTENER.

SPECIFICATION forming part of Letters Patent No. 302,299, dated July 22, 1884.

Application filed May 19, 1884. (No model.)

To all whom it may concern:

Be it known that I, JAMES F. THAYER, 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 that class of sheet-metal button-fasteners which consist of a table and penetrating-prongs, by which the said fasteners are secured to a fabric.

My present invention has for its object to provide such fasteners with a carrying-prong for an eye-shank button, whereby the same is retained in position on the fabric, and the chances of the said button loosening or becoming detached being greatly diminished.

To this end my invention consists, primarily, of a button-fastener consisting of a table provided with attaching-prongs, one of which is bent near its junction with the said table, to form a loop for the reception of an eye-shank button, said loop being provided with shoulders for retaining the button in position after being attached to a fabric; also to equalize the strain on the fastener in service.

To illustrate my improvements I refer to the drawings, in which Figure 1 is a top plan view of the blank from which my improved fastener is made. Fig. 2 is a side elevation of said fastener; and Fig. 3, a front elevation of same, with button in position, ready for attachment.

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

Again referring to the drawings, A is a button-fastener formed from the blank shown in Fig. 1, consisting of the table *a*, having the prongs *b* and *b'* integral therewith. These prongs are subsequently bent at right angles to the said table, as shown, and form the means for attachment to a fabric. The prong *b'*, which constitutes the carrying-prong for the button, and embodies the principal feature of my invention, is bent at *c* near its junction

with the table *a*, to form a loop for the reception of an eye-shank button, said loop terminating in a penetrating-prong, and provided with the shoulders *a'*. (Shown in the drawings.) When the prongs of the fastener are bent at right angles to the table, as shown, these shoulders are nearly on a line with the top of the table *a*, and stand above the fabric when attached thereto. The method of attachment to fabric is the same as is commonly used with this class of fasteners. The button-eye, by reason of the enlarged width of the shoulders, is passed over into the loop side-wise, to take advantage of the elongated form of said button-eye. The fastener is then secured in a manner well known by a suitable instrument.

As before stated, the principal feature of my invention is the button-carrying prong *b'*, forming the loop *c*, provided with the shoulders *a'*. The special advantages derived from such a construction is apparent without a more minute detail, as the shoulders equalize the strain brought to bear on the fastener by reason of the button-eye being retained in the loop by the said shoulders, which also prevents the said eye from slipping on the prong and causing the said prong to lift up and become disengaged from the material, thus rendering the attachment more secure than if a straight smooth prong having no shoulders were used, enabling me to furnish a cheap and efficient fastener, easily attached, and not liable to become loose or disengaged.

The form of the end of the button-carrying prong may be changed, if desired, so long as it retains the shoulders, which are the essential features of my invention.

Having described my invention, I claim—

The herein-described button-fastener A, consisting of the table *a*, provided with prongs *b* and *b'*, the prong *b'* being bent near its junction with the table, to form the loop *c*, and provided with the shoulders *a'*, for retaining a button-eye in said loop, arranged and adapted for use substantially as shown and described.

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

JAMES F. THAYER.

Witnesses:

FRANKLIN A. SMITH, Jr.,
GEO. W. PRENTICE.