

(No Model.)

F. A. SMITH, Jr.
BUTTON FASTENER.

No. 301,635.

Patented July 8, 1884.

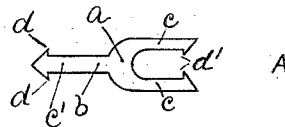


Fig. 1.

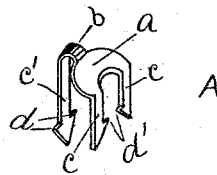


Fig. 2.

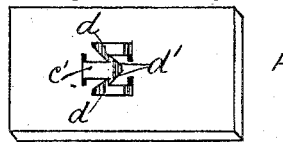


Fig. 3.

Witnesses.

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FRANKLIN A. SMITH, JR., OF PROVIDENCE, RHODE ISLAND.

BUTTON-FASTENER.

SPECIFICATION forming part of Letters Patent No. 301,635, dated July 3, 1894.

Application filed May 14, 1884. (No model.)

To all whom it may concern:

Be it known that I, FRANKLIN A. SMITH, Jr., 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 Metallic Fastenings; 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 fastening devices in which prongs are employed for attachment to fabric.

Heretofore fastening devices of the class mentioned have been provided with prongs cut tapering and sharpened. It has been found in practice that such a form of prong, unless made of comparatively hard metal, is liable to straighten out in use and cause the fastener to become disengaged from the fabric.

The object of my present invention is to overcome this objection and provide a fastening device with prongs that will interlock on the under surface of the fabric, thereby firmly retaining the fastener in position.

To this end my invention consists, primarily, of a fastening device consisting of a table having integral prongs, said prongs provided with lugs or projections, by means of which they are interlocked on the under surface of the fabric when attached thereto, to more permanently secure the device, as will be hereinafter more fully described, and particularly pointed out in the claims.

To illustrate my invention I have shown and described a fastening device for an eye-shank button having three prongs—two on one side, and one on the opposite, in line with the space between the two. The number of prongs may be changed, if desired, so long as the interlocking lugs or projections which are the essential features of my invention are retained, the same form of interlocking prongs being equally adapted for lacing-hooks, buckles, or other similar devices in

which prongs are employed for attachment to fabric.

In the accompanying drawings, to which reference may be had, Figure 1 is a blank from which my improved fastener is made. Fig. 2 is a perspective view of same bent to form, ready for use. Fig. 3 is a view of the under surface of fabric, showing my improved method of clinching prongs.

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

Referring to the drawings, A is a fastener cut from sheet metal, of substantially the form shown in Fig. 1, consisting of the table *a*, from one side of which extends two parallel prongs, *c c*, said prongs provided on their inner edges with lugs or projections *d'*, as shown. On the other side of the table *a*, in line with the space between the opposite two, projects a single prong, *e'*, provided on both edges with corresponding lugs or projections *d*, as also shown in the drawings. This prong *e'* is bent at *b* into a loop for the reception of an eye-shank button. The prongs are all subsequently bent at about right angles to the table *a*, as shown in Fig. 2.

In attaching a device to fabric the prongs are passed through the material from the top surface, and clinched with the single prong between the opposite two, the projections on the prongs interlocking, the ends of the prongs curving back into the fabric, thus preventing the double prongs from spreading apart, assuming the position substantially as shown in Fig. 3.

By means of my improvement I am enabled to provide a form of prong for fastening devices by which they may be securely attached to a fabric not liable to become disengaged, and readily adapted for the purpose contemplated.

I claim—

1. A fastening device provided with two or more prongs having lugs or projections which are interlocked with each other on the under surface of a fabric, when attached thereto, substantially as and for the purpose specified.

2. A button-fastener provided with three

fastening-prongs, two on one side of a table,
and one on the other, in line with the space
between the opposite two, said prongs pro-
vided with lugs or projections, which are
5 interlocked in attachment to a fabric, ar-
ranged and adapted for use substantially as
described.

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

FRANKLIN A. SMITH, JR.

Witnesses:

GEO. W. PRENTICE,
E. FISHER.