(No Model.)

J. F. THAYER.

BUTTON FASTENER.

No. 297,314. Patented Apr. 22, 1884.

FIG. 1.

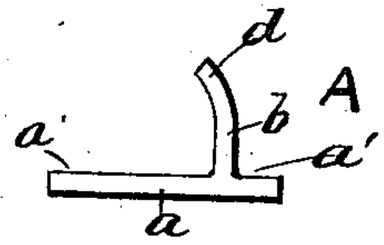


FIG. 2.

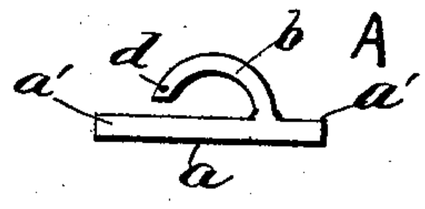


FIG. 3.

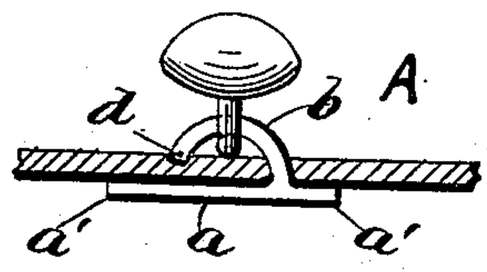
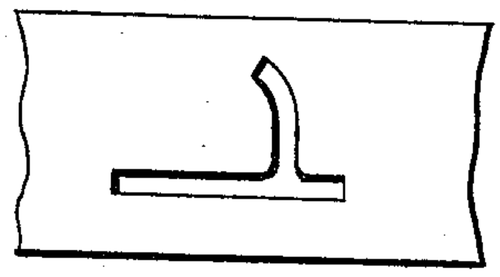


FIG. 4.



WITNESSES.

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UNITED STATES PATENT OFFICE.

JAMES F. THAYER, OF PROVIDENCE, RHODE ISLAND.

BUTTON-FASTENER.

SPECIFICATION forming part of Letters Patent No. 297,314, dated April 22, 1884.

Application filed February 25, 1884. (No model.)

To all whom it may concern:

Be it known that I, J. 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 for which I have recently made application, and is designed as an improvement on the same, and was filed January 14, 1884, Serial No. 117,462. In that application I showed and claimed a cut sheet-metal blank consisting of a base and head portion, from one edge of which extends a straight prong, the end of which is rounded on one side only, the prong to be passed through the fabric and then bent in a die. I have found in practice that such a fastener is faulty, as the head portion has to be rigidly held until the prong is bent; also requiring, as before stated, the use of a die, necessitating an instrument which must be made specially for it. It is the object of my present invention to obviate these difficulties and to obtain a more practical fastener.

To this end my invention consists of a base-bar having a prong integral therewith located at one side of the center, the upper end curving inwardly, as will be more fully shown hereinafter.

To illustrate my invention I refer to the drawings, in which Figure 1 is a view of my improved fastener. Fig. 2 is a view of the fastener as bent in attachment, with button and fabric removed; Fig. 3, the fastener with button attached to fabric complete. Fig. 4 represents a piece of sheet metal with blank fastener cut out.

A is a fastener cut from sheet metal, ready for use without any bending or further manipulation, and consists of the base *a*, at one side of the center of which extends the prong *b*, which is straight a portion of its length, the upper portion being curved inwardly, terminating in the point *d*, as shown in Fig. 1. This point is cut so that when the prong is bent down onto the base its end will form a line with the upper edge thereof, as shown in Figs. 2 and 3. The point *d* in the operation of attachment is first passed through the fabric and button-eye, and is then bent down onto the fabric, firmly clamping it between the end of the prong and the edge of the base, as shown in Fig. 3, the ends *a'* forming side bearings of equal distances from the bent prong, as shown. The point *d*, being first to come in contact with the fabric, will easily penetrate it, and the upper portion of the prong, being curved inwardly, will easily bend down in attachment by a slight pressure of any flat surface, thus obviating the necessity of a regularly-made instrument for this purpose. The fastener, being cut direct from sheet metal, has no unsightly head on the under surface of the fabric, only a small bar of metal appearing in view, which is nearly covered by the linings of the garment to which it may be attached.

Having described my invention, what I claim is—

The herein-described one-piece cut-sheet-metal button-fastener A, consisting of the base *a*, projecting prong *b*, terminating in curved end *d*, 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.,

WM. R. DUTEMPLE.