

(No Model.)

F. A. SMITH, Jr.
BUTTON.

No. 324,422.

Patented Aug. 18, 1885.

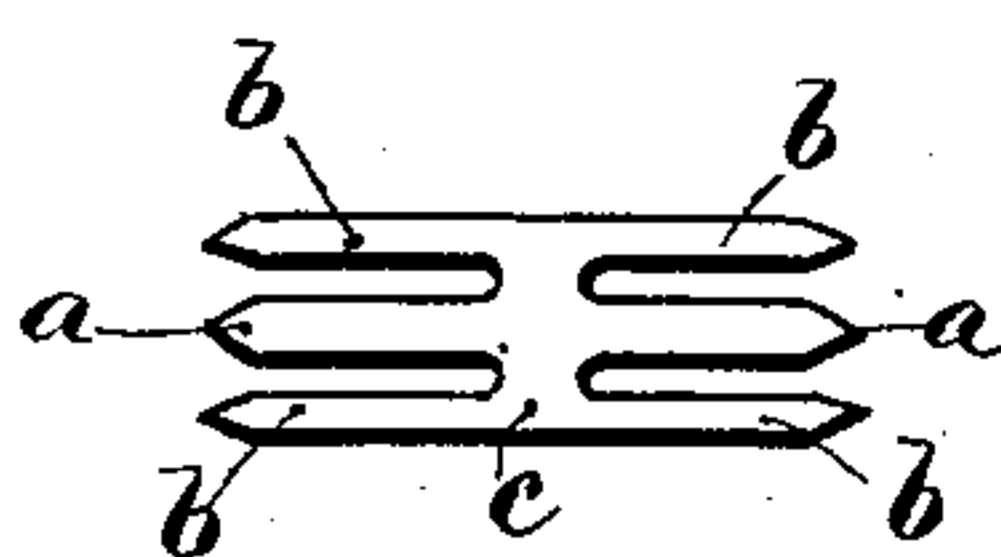


FIG. 1.

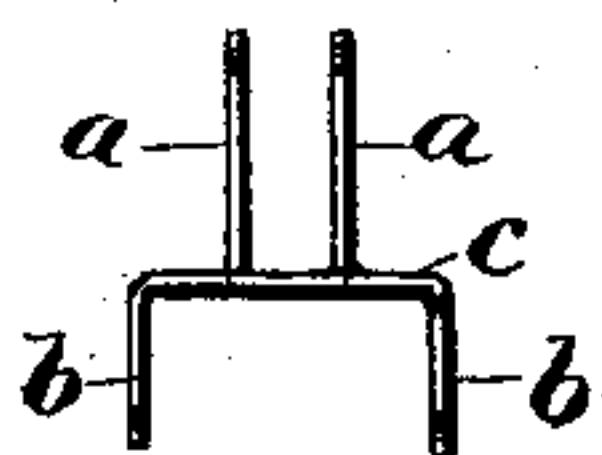


FIG. 2.



FIG. 3.

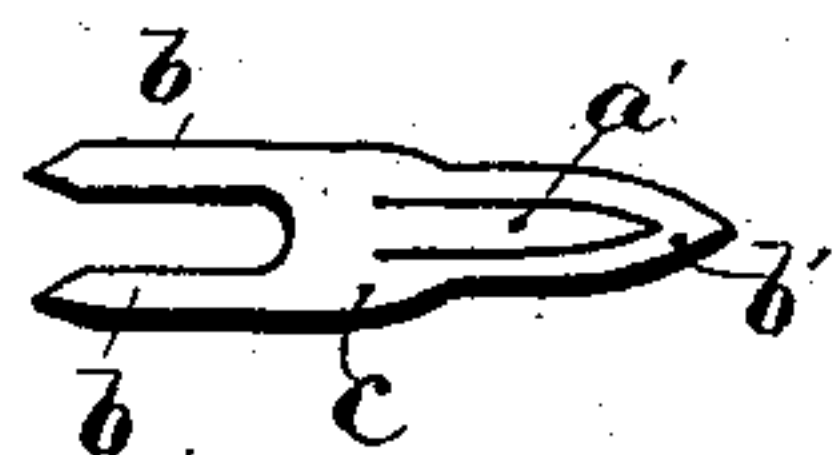


FIG. 4.

WITNESSES.

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

BUTTON.

SPECIFICATION forming part of Letters Patent No. 324,422, dated August 13, 1885.

Application filed March 16, 1885. (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 Buttons; 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 buttons of that class designed for use on shoes, gloves, and other articles of wear; and it consists, essentially, of a base provided on one side with penetrating-prongs for attachment to material and on the opposite with prongs for securing said base to a button-head, the complete device arranged and adapted for use, as will be hereinafter more fully explained, and particularly pointed out in the claim.

Figure 1 represents the blank from which the fastening device of my improved button is formed. Fig. 2 is a side elevation of same, bent to form, ready for the reception of the button-head. Fig. 3 is a like view of my improved button complete, ready for attachment, the head being in section. Fig. 4 is a plan view of a modified form of blank of the fastening device of my improved button.

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

In carrying out my invention I make use of a form of blank substantially like that shown in Patent No. 266,652, issued October 31, 1882, and consists of the base *c*, provided with the outer prongs, *b b*, and the central prongs, *a a*, located, in the present instance, at either side of the base *c* and between the outer prongs, *b b*, all the prongs being parallel to each other and in the same line, as fully shown in Fig. 1. The prongs *b b* are subsequently bent downward at right angles to the base *c*, the prongs *a a* being bent upward to said base, with their inner surfaces parallel and adjacent to each other, as fully shown in Fig. 2. The points of the prongs are sharpened to facilitate their entrance into material.

The head *d* is made from leather, pulp, or

other suitable material, and is pressed or molded into the desired shape in the usual manner by dies prepared for the purpose. Before the head *d* is completed the prongs *a a* of the fastening device are inserted through the head from the lower surface, and the points of the prongs, on coming in contact with the die which forms or shapes the top side of the head, are bent and clinched into the said head, when the final pressure incidental to the formation of the same is given, completely concealing the points and rigidly securing the head and fastening device together, as fully shown in Fig. 3.

A modified form of the fastening device of my improved button is shown in Fig. 4, consisting of the base *c*, provided on one side with the prongs *b b* and on the opposite side with the single prong *b'*, the latter having the prong *a'* cut from its interior, as fully shown in the drawings. The prongs *b* and *b'* are subsequently bent down at right angles to the base *c*, and the prong *a'* is bent upward at right angles to said base, the head *d* being then secured to the prong *a'* in the same manner as previously described with the double prongs.

I am thus enabled to provide a button which can be readily and speedily attached to any material, and is durable in its wearing qualities. The flat base forms a firm bearing on the surface of material, rendering it impossible for the button to tip over and become disengaged, and a strong and efficient article is produced at a small expense.

Having described my invention, I claim—

The combination, with a button-head, of a fastening device cut from sheet metal and bent or formed as specified, and consisting, essentially, of a table or base having penetrating-prongs projecting in one direction from the sides thereof and out of line with the center of said table, and prongs projecting from the said central portion in an opposite direction to that of the penetrating-prongs and secured in the button-head, substantially as shown and described.

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

FRANKLIN A. SMITH, JR.

Witnesses:

CHARLES GREENE,
GEO. W. PRENTICE.