

No. 714,660.

Patented Dec. 2, 1902.

W. E. BENNETT.
FURNITURE BUTTON.

(Application filed Apr. 24, 1902.)

(No Model.)

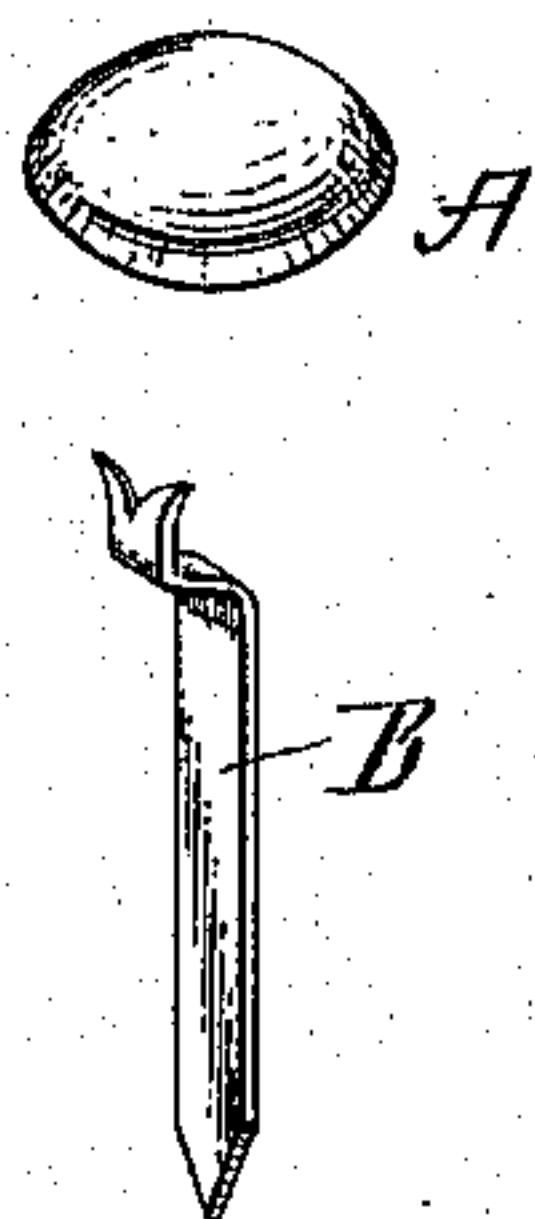


Fig. 2.

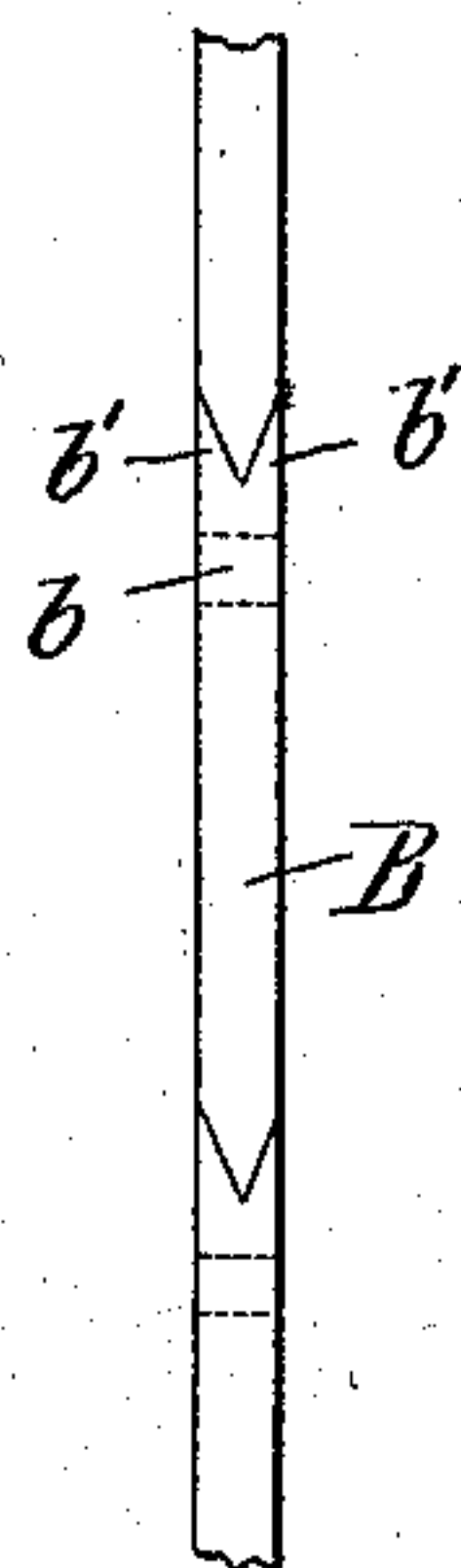


Fig. 1.

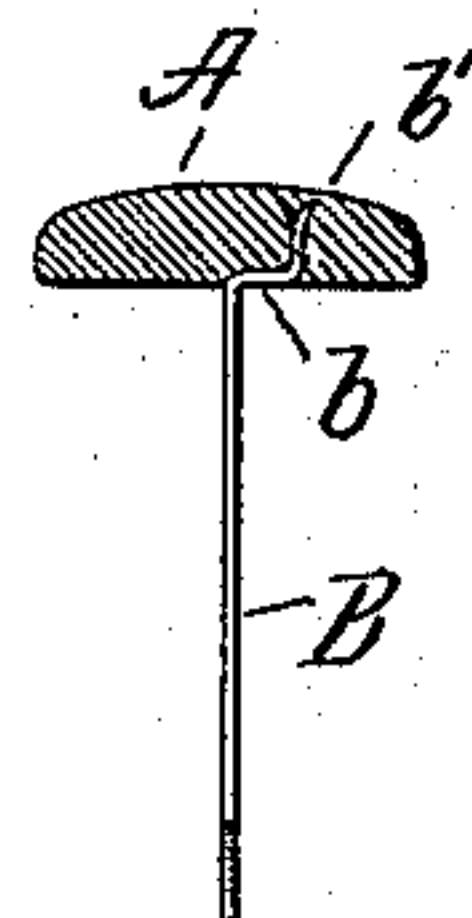


Fig. 4.

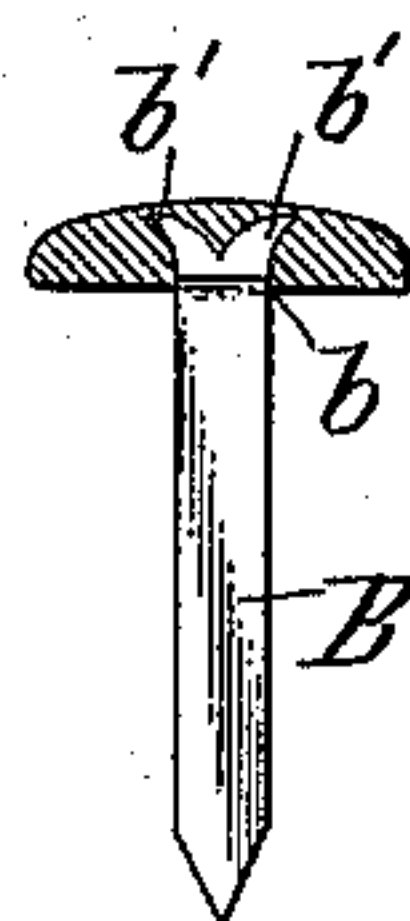


Fig. 3.

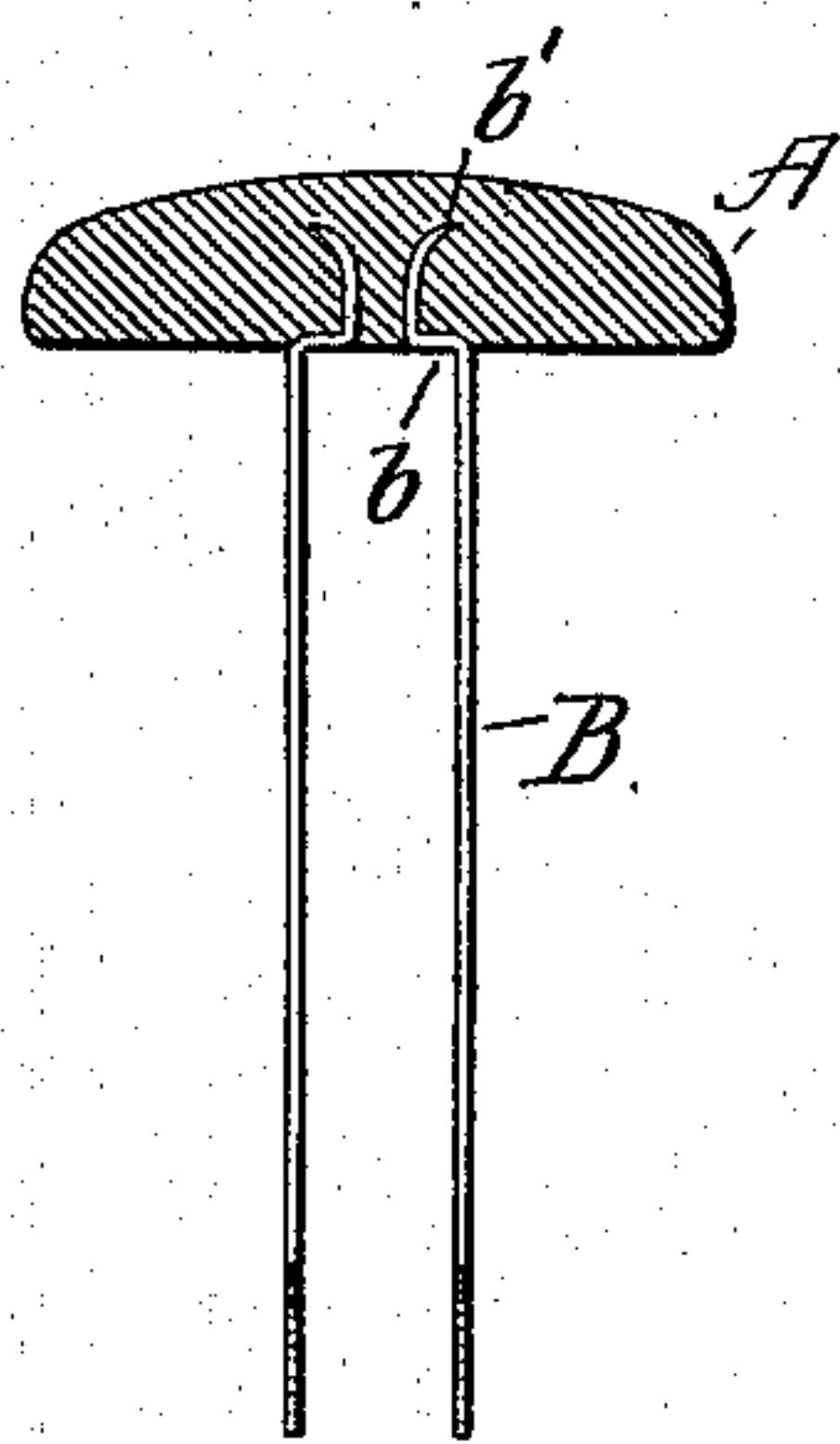


Fig. 6.

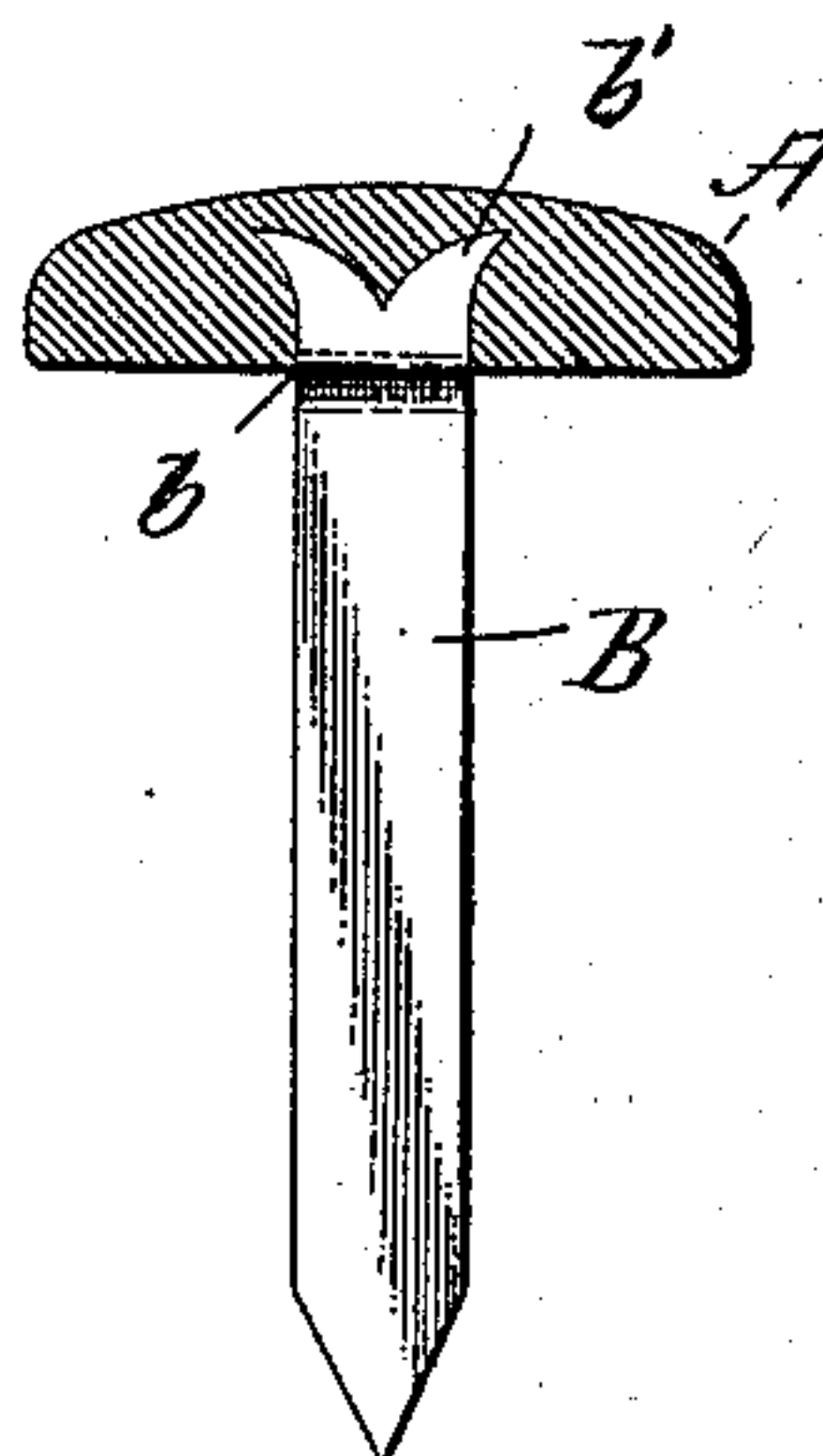


Fig. 5.

WITNESSES:

Joseph T. Brennan.
Margaret A. Danaher.

INVENTOR:

Walter E. Bennett
By Roberts & Mitchell
Attorneys.

UNITED STATES PATENT OFFICE.

WALTER E. BENNETT, OF PORTSMOUTH, NEW HAMPSHIRE, ASSIGNOR TO
MORLEY BUTTON MANUFACTURING COMPANY, OF SACO, MAINE, AND
BOSTON, MASSACHUSETTS, A CORPORATION OF MAINE.

FURNITURE-BUTTON.

SPECIFICATION forming part of Letters Patent No. 714,660, dated December 2, 1902.

Application filed April 24, 1902. Serial No. 104,490. (No model.)

To all whom it may concern:

Be it known that I, WALTER E. BENNETT, a citizen of the United States, and a resident of Portsmouth, in the county of Rockingham and State of New Hampshire, have invented new and useful Improvements in Furniture-Buttons, of which the following is a specification.

My improvements relate to the manufacture of ornamental buttons, such as furniture-buttons, and especially to those buttons which comprise heads of such solid penetrable materials as leather, leather-board, and papier-mâché.

The object of my invention is to construct a furniture-button of the class specified more cheaply than heretofore and at the same time without sacrificing any of the requisite strength and durability of the finished button.

In the drawings hereto annexed, which illustrate my invention, Figure 1 illustrates a strip of sheet metal out of which are formed the blanks for the prongs of my improved button. Fig. 2 shows a prong and button-head ready for mutual attachment. Figs. 3 and 4 show sections of a single-prong button embodying my invention, and Figs. 5 and 6 show in cross-sections a double-prong form.

In Fig. 1 I show a simple strip of sheet metal B, which is cut at suitable intervals at *b'*, so as to leave a notch and a corresponding point. Each prong-blank is thus notched at one end and pointed at the other and is then offset at the part marked *b* and included between dotted lines in Fig. 1. This offset makes a shoulder or platform on the piece B, which has now become a prong ready for attachment to a button-head. In Fig. 2 the prong B and button-head A are shown in the relative positions which they each occupy before being assembled or attached together. The prong B and head A being grasped by properly-shaped members of an assembling-machine are forced together. The claws or barbs *b'* enter the solid penetrable material A, and by reason of their beveled sides or edges separate outwardly and clench within the mate-

rial of the head. The force with which the prong B and head A are united is sufficient to embed the flat portion *b* within the material of the head and flush with its under surface.

In case the button is made with a single prong, as shown in Figs. 3 and 4, the barbs *b'* are inserted a little at one side of the center of the head A, so that the prong B itself may stand in the center of the button, and thus appear like the usual simple single-prong button. Where two prongs are used, they may be arranged as shown in Figs. 5 and 6, where the barbs *b'* of the two prongs are placed quite near together and the offsets *b* diverge from each other.

A button constructed as above described possesses substantially all of the simplicity and cheapness of the single or double prong button heretofore constructed and in addition thereto has also the valuable feature heretofore peculiar to those forms of buttons in which the sheet-metal prong is cut from a blank form with a table, which lying upon or flush with the surface of the base of the button-head effectively prevents any further accidental penetration of the prong within the head.

What I claim, and desire to secure by Letters Patent, is—

A button, comprising a head of solid penetrable material, and a prong made of a parallel-sided flat metal strip having two points at one end formed by a V-shaped notch in the strip, and a shoulder formed by two opposed right-angled bends in the strip below and near the points, the said points embedded in the button-head and the said shoulder lying against the base of the button-head.

Signed by me at Boston, Massachusetts, this 22d day of April, 1902.

WALTER E. BENNETT.

Witnesses:

JOSEPH T. BRENNAN,
FRANK S. HARTNETT.