

(No Model.)

B. H. BRADLEY.
BUTTON.

No. 327,515.

Patented Oct. 6, 1885.

Fig. 1.

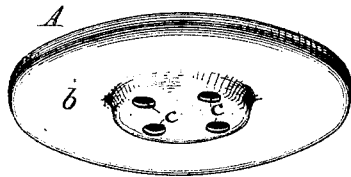


Fig. 3.

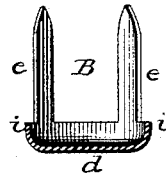


Fig. 5.

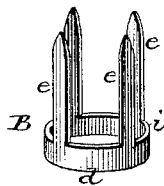


Fig. 2.

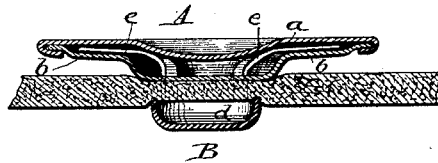
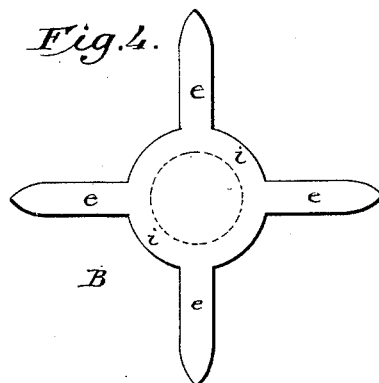


Fig. 4.



Attest.

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By his Attorney

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UNITED STATES PATENT OFFICE.

BENJAMIN H. BRADLEY, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO
CHARLES V. STODDARD, OF BROOKLYN, NEW YORK.

BUTTON.

SPECIFICATION forming part of Letters Patent No. 327,515, dated October 6, 1885.

Application filed January 3, 1883. Serial No. 80,877. (No model.)

To all whom it may concern:

Be it known that I, BENJAMIN H. BRADLEY, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain Improvements in Buttons, of which the following is a specification.

This invention relates to that class of buttons in which the body or button proper is secured to a fabric by means of a metallic device with arms or prongs, which are passed through the fabric and into the back of the button.

The improvement consists in the construction of the fastening device with a cup-shaped or flanged head having the arms extended from its edge or periphery. The device thus shaped serves to straddle and embrace the threads of the fabric, and also to bear at its edges closely upon the fabric, the flange or periphery of the cup portion presenting a smooth unbroken surface to the rear face of the fabric.

In fastenings of this class as hitherto constructed difficulty has been encountered because of the fastening exposing a ragged edge of metal on the back, going to destroy the finish, and resulting in a rapid wear of the fabric and of the garment coming in contact with the face of the under side. This difficulty is entirely avoided by my construction.

Referring to the accompanying drawings, Figure 1 represents in perspective the two parts of the button separated from each other. Fig. 2 is a vertical cross-section of the button applied to a fabric. Fig. 3 is a cross-section of the fastening device. Fig. 4 is a view of the blank from which the fastening device is formed. Fig. 5 is a perspective view of the fastening device in a slightly-different form.

A represents the body of the button or button proper, consisting of two metallic plates or disks, *a* and *b*, forming the front and back, respectively, and united to each other at the edges in any ordinary or suitable manner. This body differs in no essential feature from those now in common use. In its back it is provided with four openings or perforations, *c*, to receive the prongs of the fastening device.

The fastening device (represented at B) consists of the flanged or cup-shaped head *d*, having at its edge the four arms or prongs

e, which extend upward therefrom parallel with each other, these arms being of such size and arranged in such positions that they will enter the respective perforations *c* in the back of the button-body. The fastening B is formed by producing a cruciform blank, such as represented in Fig. 4, and then drawing the same up in a die or punching-press into the form represented in the other figures. An essential feature of the invention consists in having the edge of the central head or button portion, *d*, turned upward, as represented at *i*, forming a peripheral flange or rim adapted to bear against the rear face of the fabric.

In applying the button the prongs are thrust through the fabric and permitted to project on the front, after which the button is applied on the ends of the prongs and forced downward tightly thereon, causing the ends to be separated or spread apart within the body, as shown in Fig. 2. When thus applied, it will be seen that the upturned edge of the body portion bears against the face of the fabric, that portion of the fastening device which is exposed on the inside presenting a smooth rounded surface, which is ornamental in appearance, and which is not liable to engage with or wear the clothing coming in contact therewith. This upturned edge bearing tightly against and seated in the fabric also serves to assist in holding and confining the threads thereof which pass between the prongs, avoiding their displacement, and thus preventing the button from being dragged out of position, or torn out of the fabric.

It is obvious that the fastening device, constructed in other respects as shown in the drawings, may have two, three, or more prongs, as required.

As to all matters which are described or shown herein, but which are not specifically claimed, the right is reserved to make the same the subject of a separate patent.

I am aware that button-fastenings having prongs have been constructed in various forms, and I do not claim such fastening, broadly considered, nor in combination with any and all buttons. I believe myself, however, the first to combine with the perforated or hollow button the pronged fastening with the cupped or flanged head in such manner that the fabric

will be confined and compressed between the front or body portion of the button and the flange of the fastening.

5 I am aware that button-fastenings have been constructed with a flat head and two pointed prongs extending therefrom.

I am also aware that a separate head or cap has been applied to and flanged upon a fastening such as above described.

10 I am also aware that a patent has been granted for a paper-fastener wherein the blank is represented in an intermediate stage or unfinished condition, having a head and two arms with round ends extending therefrom, said
15 patent treating said device as an incomplete and unfinished article, and failing to disclose

or suggest the completion or use of a device in the form mentioned.

Having thus described my invention, what I claim is—

2 In combination with the button-body having the openings through the rear face, the pronged fastening having a flanged or cupped head, whereby the fabric may be confined and compressed between the flange of the fastening and the rear face of the body, to prevent
2 the threads or fibers from being separated by the strain.

BENJAMIN H. BRADLEY.

Witnesses:

C. E. LANGDON,

W. Q. RIDDLE.

Correction in Letters Patent No. 327,515.

It is hereby certified that the name of the assignee in Letters Patent No. 327,515, granted October 6, 1885, upon the application of Benjamin H. Bradley, of Philadelphia, Pennsylvania, for an improvement in "Buttons," was erroneously written and printed "Charles V. Stoddard." whereas said name should have been written and printed *Charles V. Goddard*; and that said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed, countersigned, and sealed this 3d day of November, A. D. 1885.

[SEAL.]

H. L. MULDROW,

Acting Secretary of the Interior.

Countersigned:

M. V. MONTGOMERY,
Commissioner of Patents.