

(No Model.)

W. P. DOLLOFF.

BUTTON.

No. 244,867.

Patented July 26, 1881.

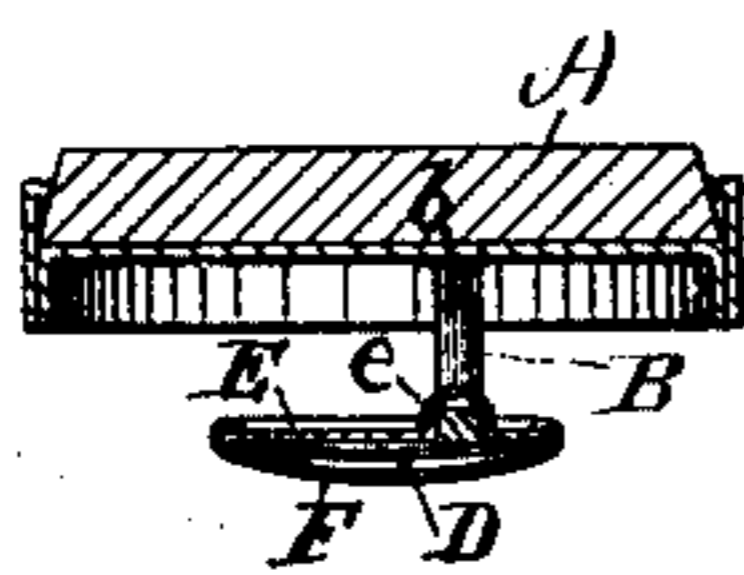


Fig. 1.

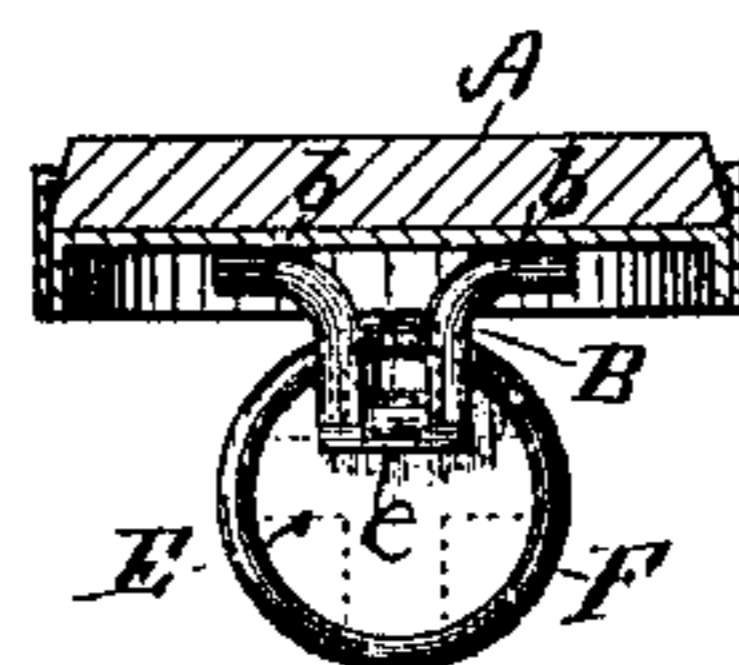


Fig. 2.

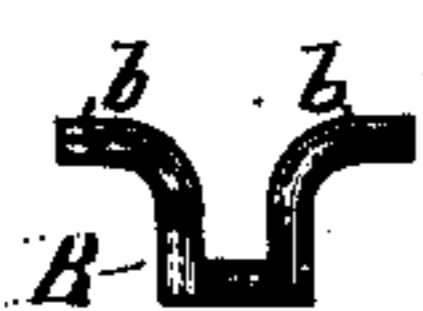


Fig. 3.

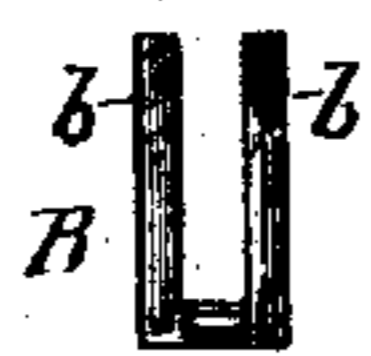


Fig. 4.



Fig. 5.

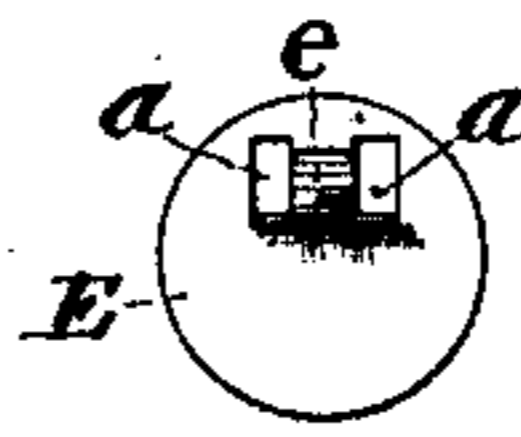


Fig. 6.

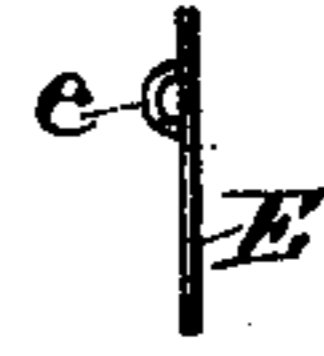


Fig. 7.

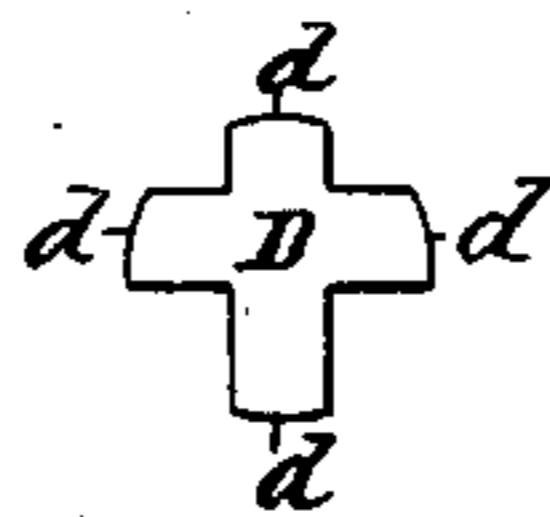


Fig. 8.



Fig. 9.

Witnesses.

S. Scholfield
H. H. Joyce.

Inventor.

William P. Dolloff

UNITED STATES PATENT OFFICE.

WELLINGTON P. DOLLOFF, OF PROVIDENCE, RHODE ISLAND, ASSIGNOR TO
FRED I. MARCY & CO., OF SAME PLACE.

BUTTON.

SPECIFICATION forming part of Letters Patent No. 244,867, dated July 26, 1881.

Application filed May 28, 1881. (No model.)

To all whom it may concern:

Be it known that I, WELLINGTON P. DOLLOFF, of Providence, in the State of Rhode Island, have invented an Improvement in Buttons, of which the following is a specification.

My invention relates to that class of buttons where the shoe is jointed to the end of the post, so that the shoe may be turned over to one side against the side of the post for the purpose of insertion or removal from the button-hole; and it consists in the improved construction of the post and spring, and in the combination of the same with the several parts of the button.

Figure 1 represents a central vertical section taken at right angles to the plane of the post. Fig. 2 represents a similar section taken in a plane parallel with the side of the post. Fig. 3 represents a side elevation of the post as completely formed. Fig. 4 represents a side elevation of the L-shaped post previous to bending the arms outward. Fig. 5 represents an edge elevation of the same. Fig. 6 represents a plan view of the hinge-plate of the shoe. Fig. 7 represents an edge view of the same. Fig. 8 represents a plan view, and Fig. 9 an edge view, of the spring.

In the drawings, A is the head of the button; B, the post, made of square wire, bent as shown in Fig. 4; or the post may be cut in the form represented from a piece of sheet metal. The hinge-plate E of the shoe is struck up so as to form the curved bridge *e* between the two perforations *a a*. The arms *b b* of the post B, after being passed through the openings *a a* from the back of the plate, are preferably bent in opposite directions, as shown in Figs. 2 and 3, in order to form a secure attachment to the head of the button. The spring D is made in the form of a cross or with radiating arms *d d*, thus forming from a single piece of sheet metal a powerful and sufficiently pliable spring.

In putting the several parts of the button together the ends of the L-shaped post are first passed into the perforations *a a* from the back of the plate E until the bend or central portion brings up against the under side of

the bridge *e*. The spring D is then placed in the hollow of the shoe-cap F, and the edges of the shoe-cap turned down over the edge of the hinge-plate E, thus securing the several parts firmly together. The ends of the L-shaped post may now be soldered direct to the back of the head of the button or otherwise, the ends of the post may be turned outwardly by means of pliers, as represented in Fig. 3, and then soldered to the head A, thus securing a greater bearing-surface for the post against the back of the head A, and increasing the strength of the soldered joint.

When the shoe is turned, as shown in Fig. 1, at right angles to the post, the spring D presses upward against the flat surface of the lower part of the post, thus retaining the shoe in the position for locking the button into the button-hole, and when, in removing the button from the button-hole, the shoe is turned, as shown in Fig. 2, then the pressure of the spring D against the flat side of the post will serve to retain the shoe in that position during its removal from the button-hole, and also during its subsequent insertion therein.

In order to make the post B as short as practicable when a large circular shoe is employed, the perforations *a a* and bridge *e* may be made at one side of the plate E; but in case of the employment of a small circular shoe, or of an oval shoe, the bridge *e* may be made at the center of the plate.

I claim as my invention—

1. In a button, the combination of the shoe-cap F, spring D, and hinge-plate E, provided with the perforations *a a*, and the intervening curved bridge *e*, with the L-shaped post B, having its ends placed through the perforations in the plate E, substantially as described.

2. In a button, the combination of the shoe-cap F, spring D, perforated hinge-plate E, and L-shaped post B, having its ends passed through the perforations *a a* in the plate E, and bent outwardly, substantially as described.

WELLINGTON P. DOLLOFF,

Witnesses:

S. SCHOLFIELD,
W. H. JOYCE.