

E. A. ROBINSON.  
Button and Stud.

No. 221,363.

Patented Nov. 4, 1879.

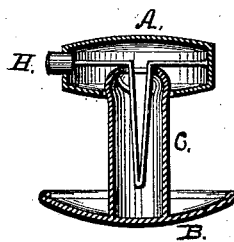


FIG. 1.

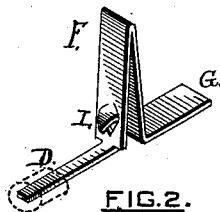


FIG. 2.

WITNESSES.

Charles H. Titus

E. F. Warner

INVENTOR.

Edwin A. Robinson

By Martin B. Invention City.

# UNITED STATES PATENT OFFICE.

EDWIN A. ROBINSON, OF ATTLEBOROUGH, MASSACHUSETTS.

## IMPROVEMENT IN BUTTONS AND STUDS.

Specification forming part of Letters Patent No. **221,363**, dated November 4, 1879; application filed June 19, 1879.

*To all whom it may concern:*

Be it known that I, EDWIN A. ROBINSON, of Attleborough, in the Commonwealth of Massachusetts, have invented a new and useful Button or Stud; and I do hereby declare that the following specification, taken in connection with the drawings making a part of the same, is a full, clear, and exact description thereof.

Figure 1 is a section of my improved button. Fig. 2 shows the interior spring and post.

The object of my invention is to produce a button or stud which can be easily and conveniently adjusted to the cuff or shirt-front, and which is at the same time of great durability and capable of being manufactured at a small cost.

In my invention, A is the top or front of the button or stud, and B the back. The back B has a hollow perpendicular post, C, attached thereto, which is curved or drawn in at the top, as shown in Fig. 1.

I strike from a suitable piece of metal a blank which is subsequently bent into the required form, as shown in Fig. 2, and serves both as an interior post and also to hold the two parts of the button together.

The front of the button A is provided upon its under side with a hole to receive the end of the post C, and upon its side with an opening, through which projects the end of the arm D of the spring and post F. The spring and post F is inserted in the front of the button A and secured therein by soldering the arm G.

The end of the arm D is provided with a knob, H, which serves both as a finish and to prevent injury to the thumb or finger in overcoming the resistance of the spring F.

The operation of my invention is as follows: The post C is thrust through the button or eyelet holes when the spring and post F is introduced into the post C, and the two parts

being pressed together are firmly held by the projection I of the spring and post F resting upon the upper or turned-over edges of the post C. The projection I is made by slightly raising the surface of the spring and post F, as shown in Fig. 2, the raised part passing into the post C and beyond the curved or turned-over edges.

The projection I has its open end upward toward the angle of the post F and small arm D, and firmly holds the stud together until the spring is closed and the projection released from its contact with the curved rim of the post C, when the post can be removed from the spring. In this way a secure catch is made without injuring the strength or durability of the spring, as is the case when the arms of the spring are notched from the outside.

To release the two parts of the button, I press upon the knob H, which closes the spring and post F and overcomes the friction, when the top is easily removed.

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

1. The interior post and spring struck from one piece of metal, having the projection I, broad arm G, soldered to the inner side of the head A, and the small arm D projecting through the other side, in combination with the head A and hollow post C, as and for the purpose set forth.

2. The button or stud consisting of the head A, the spring and post F, having broad arm G and small arm D, and provided with the projection I, the hollow post C, and back B, all arranged and combined as shown, and for the purpose set forth.

EDWIN A. ROBINSON.

Witnesses:

WALTER B. VINCENT,  
CHARLES H. TITUS.