

(Model.)

W. W. COVELL.  
Button and Stud.

No. 239,733.

Patented April 5, 1881.

Fig. 1

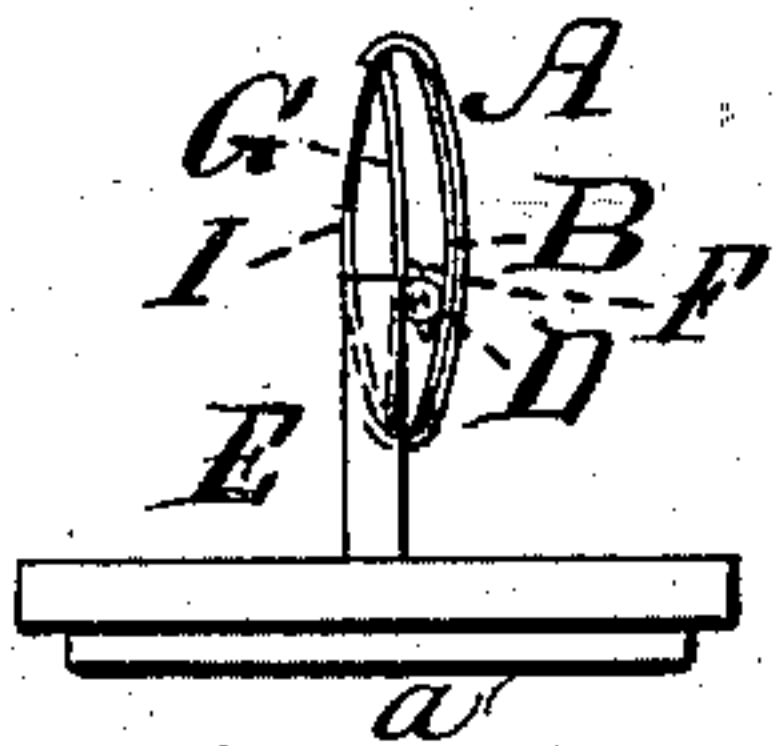


Fig. 2

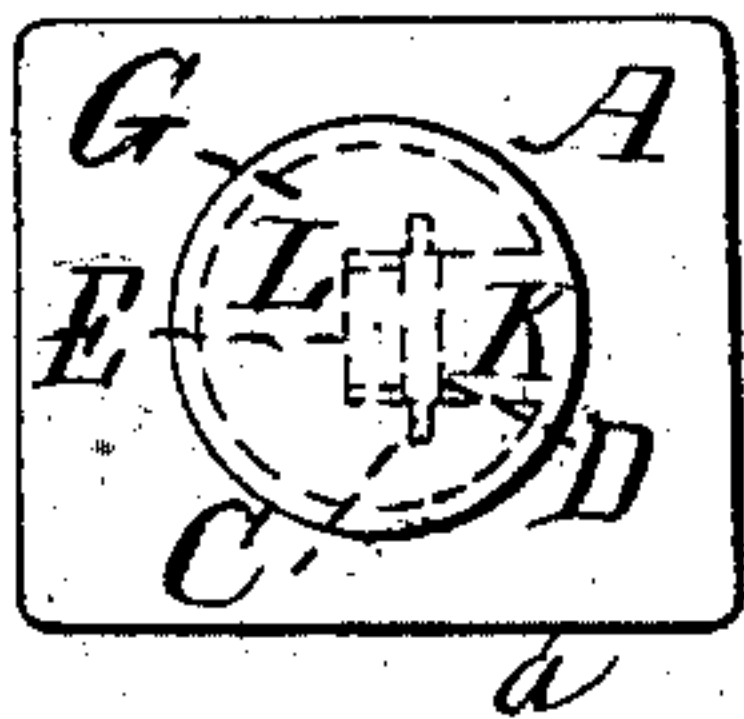


Fig. 4

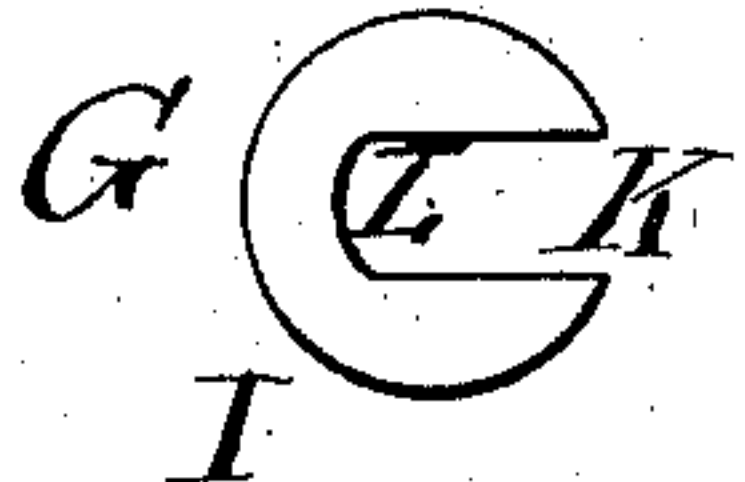


Fig. 3

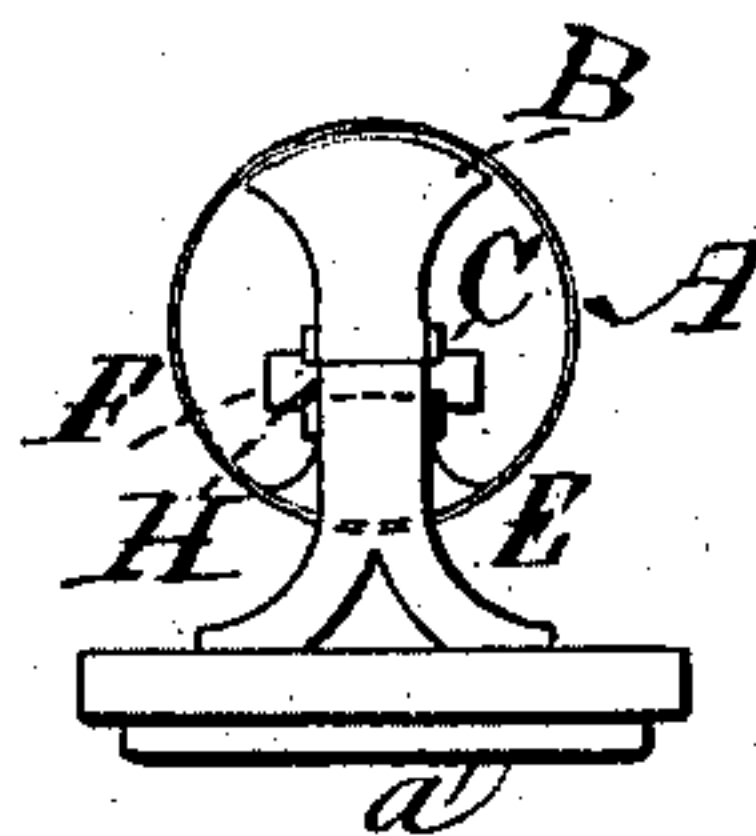


Fig. 5

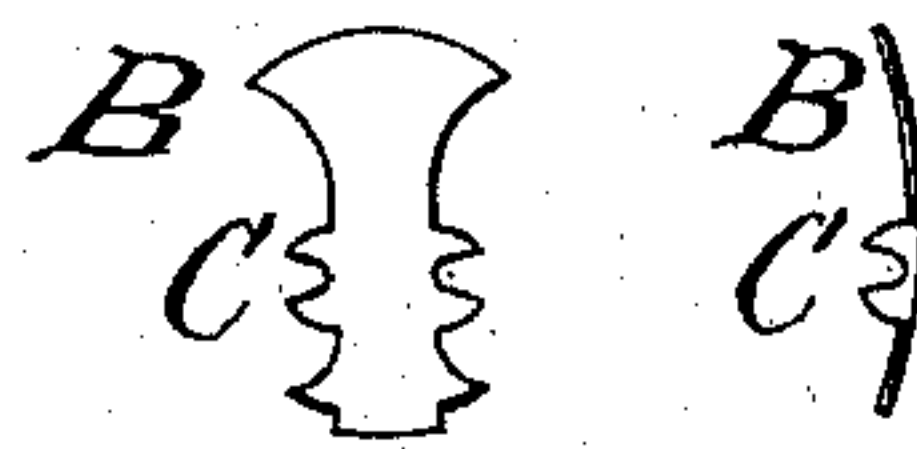
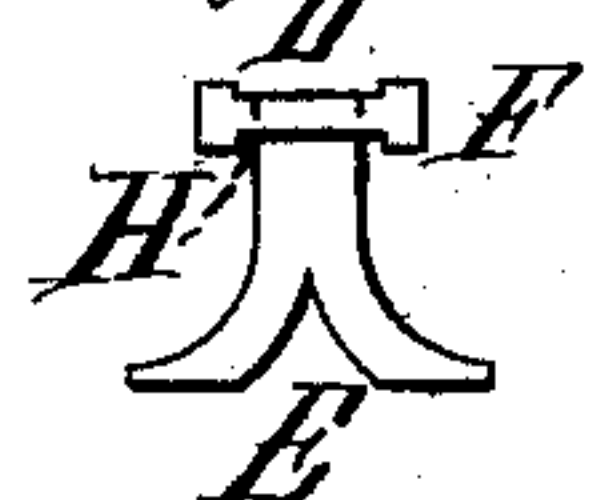


Fig. 6



Attest:

Henry C. Hunt  
Geo. B. Adams

Inventor.

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By Horace Harris  
Att'y

# UNITED STATES PATENT OFFICE.

WILLIAM W. COVELL, OF NEWARK, NEW JERSEY, ASSIGNOR TO WILLIAM HOWKINS, JR., & CO., OF SAME PLACE.

## BUTTON AND STUD.

SPECIFICATION forming part of Letters Patent No. 239,733, dated April 5, 1881.

Application filed February 3, 1881. (Model.)

*To all whom it may concern:*

Be it known that I, WILLIAM W. COVELL, of Newark, in the county of Essex and State of New Jersey, have invented a new and useful Improvement in Buttons and Studs, of which the following is a specification.

My invention relates to certain new and useful improvements in the class of buttons and studs having a pivoted shoe adapted to be turned up parallel with the post when the button or stud is desired to be inserted or taken out; and the invention consists in novel features of construction, to be hereinafter fully described, and specifically pointed out in the claim.

Referring to the drawings, Figure 1 represents a sectional elevation of my improved button or stud; Fig. 2, an inverted plan; Fig. 3, an elevation with the back and spring of the shoe removed. Fig. 4 represents the form of the spring, which is substantially the form of the back. Figs. 5 and 6 are detail views.

In the drawings, A represents the button or stud, which may be made of any desired shape, form, or material.

A is the shoe, which is made circular in outline and concave for the reception of the concave piece B, having bent-up points C, which form, in connection with said piece B, a socket for the pintle D, secured to the side of the flat post E, which together form the hinge for the shoe to turn on in the operation of inserting or removing the button or stud. The end portions, F, of the pintle are flattened, and they act upon the slotted spring G when the shoe is turned parallel with the post, as shown in Fig. 1, or at right angles thereto, as shown in Fig. 2, thus holding the shoe in either of the above-described positions.

I represents the slotted shoe-cap, said cap and spring being slotted for the purpose of allowing the post E to pass through them.

The parts are put together in the following

manner: The socket-piece B is first placed in the bottom of the shoe A, and the free end of the post E inserted so that the pintle rests in the turned-up portions or points E. The spring G is then inserted so as to rest on the flattened end portions of the pintle, and over which is then placed the slotted shoe-cap I, and the whole is then secured together by compressing the rim or edge of the shoe A over the cap I, as clearly shown in Fig. 1.

By hinging the post in the bottom of the shoe it has a double bearing when the shoe is turned at right angles with it, for the end of the post, including the pintle, rests firmly against the bottom of the piece B, while the side of the post opposite to that on which the pintle is secured rests against the end L of the spring and shoe-cap formed by the slot K in said parts.

By hinging the post in the bottom of the shoe the space between the button and shoe is shortened when at right angles to each other, and the space lengthened between the edge of shoe and button when the shoe is turned parallel with the post, while the inner face of the shoe will be flush with the side of the post when in the latter position, which allows the buttons to be easily and readily inserted or taken out.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A button or stud provided with a post having a pintle attached to one of its flat sides, said pintle being provided with end lugs or flattened portions, in combination with the shoe A, socket-piece B, slotted spring G, and slotted shoe-cap I, all constructed and operating substantially as set forth.

WILLIAM W. COVELL.

Witnesses:

HORACE HARRIS,  
WM. HOWKINS, Jr.