

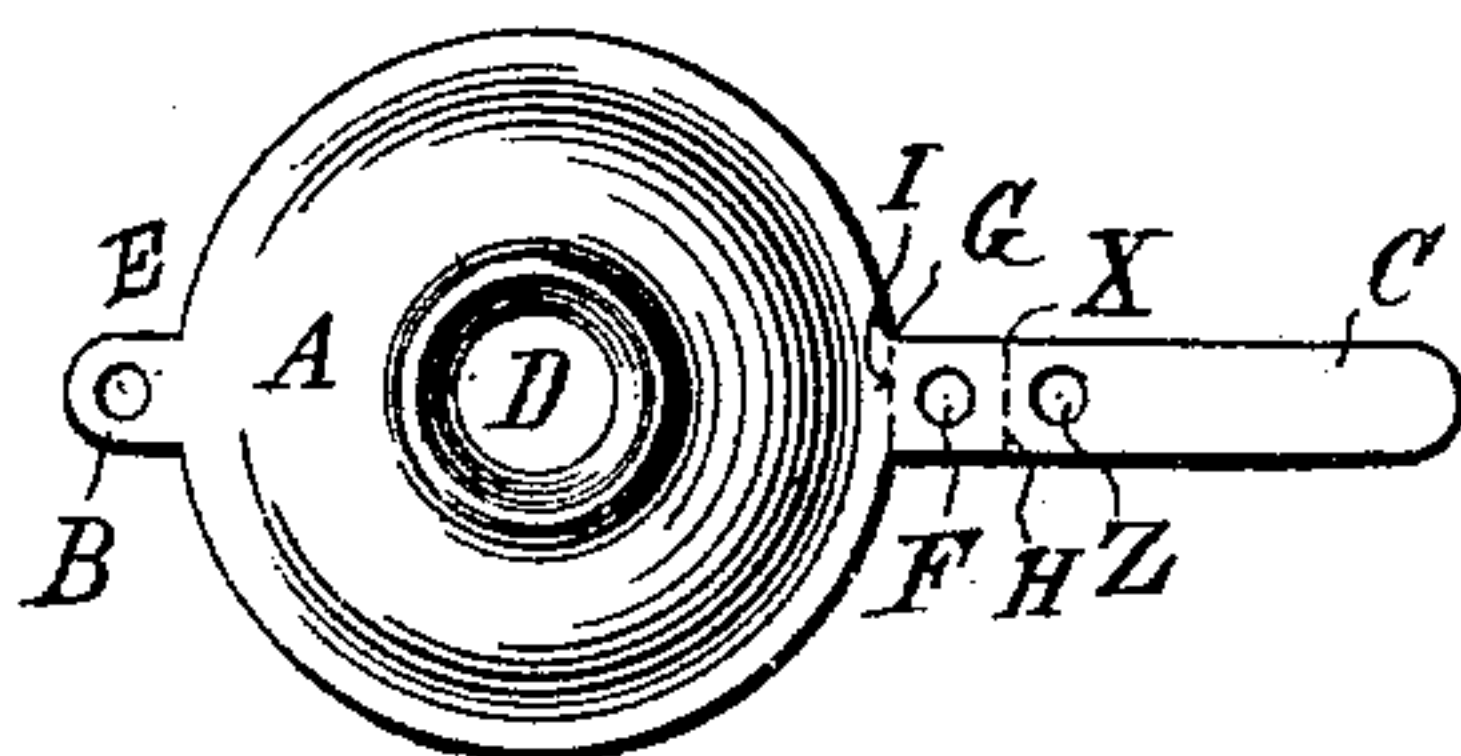
(No Model.)

W. H. BERRIGAN, Jr.  
PUSH BUTTON.

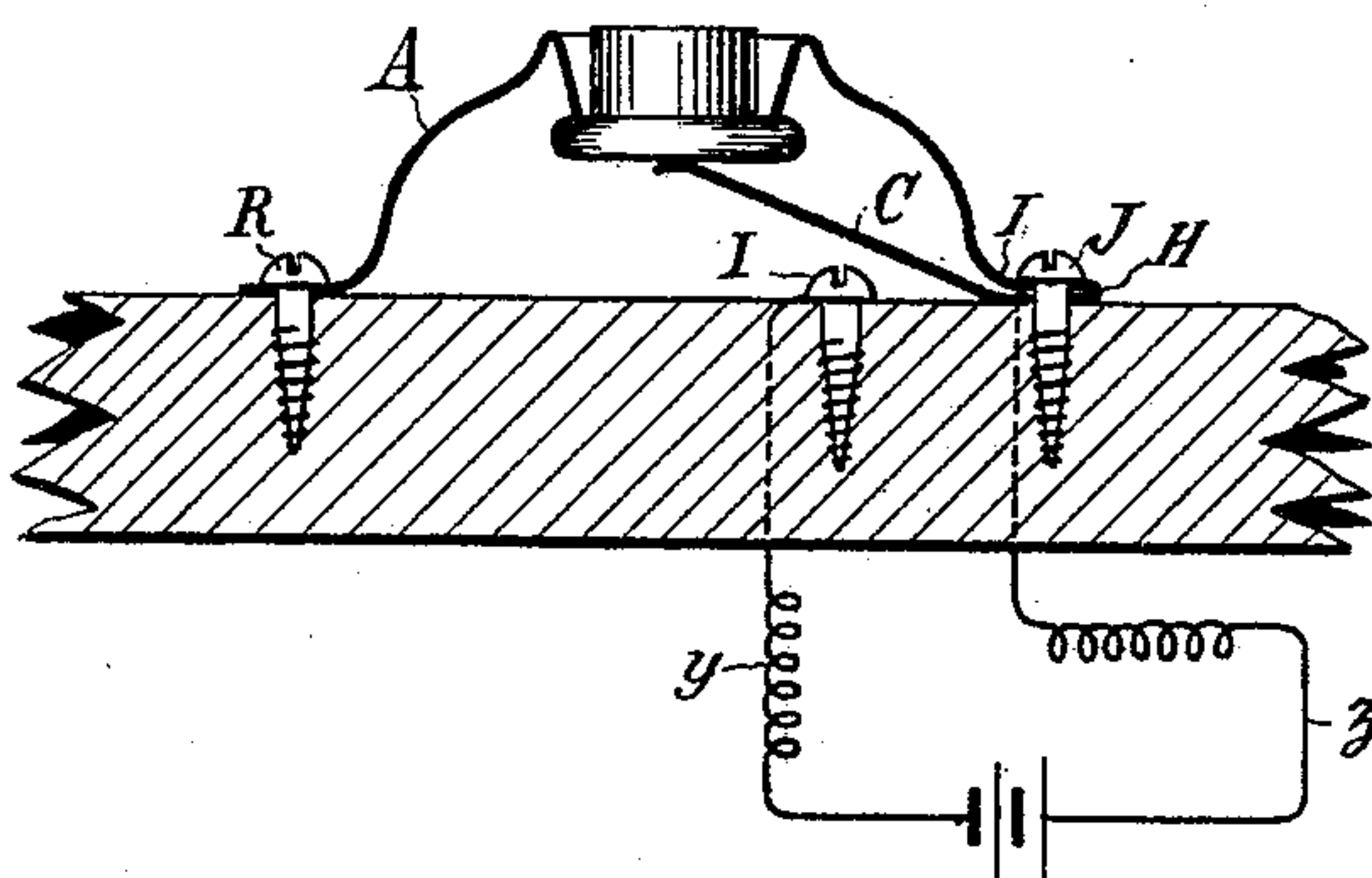
No. 500,110.

Patented June 27, 1893.

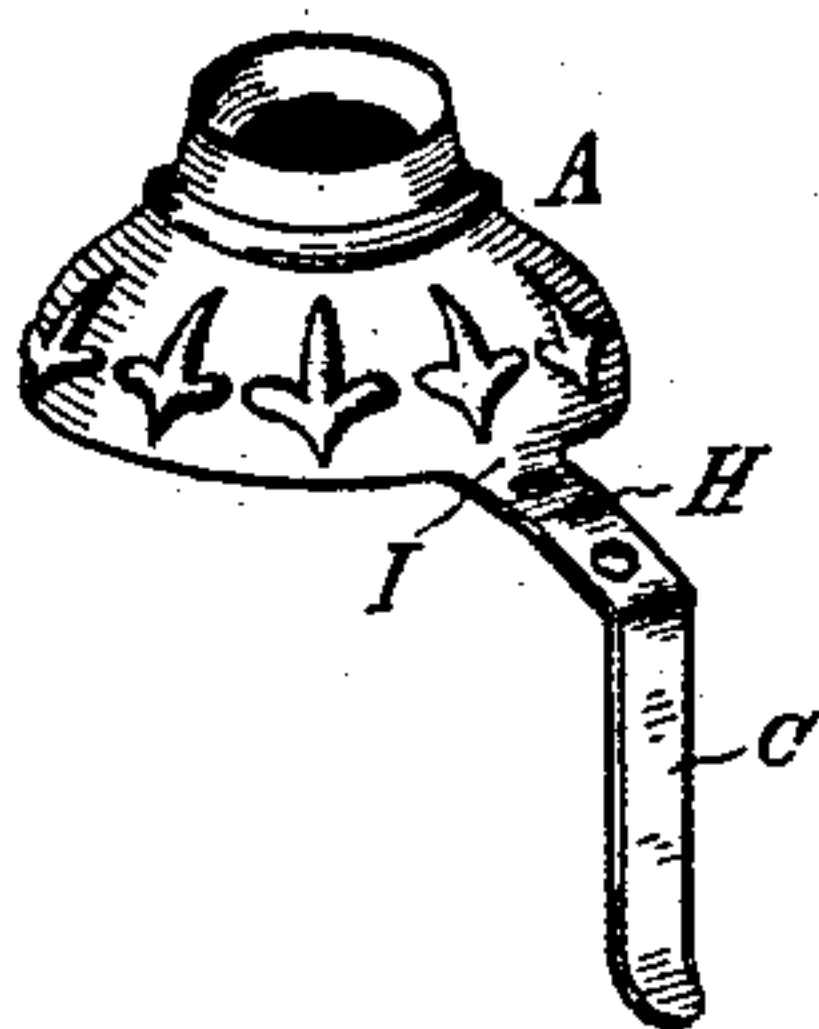
*Fig. 1*



*Fig. 2*



*Fig. 3*



Witnesses:  
Raphael Netter  
Edw E Berrigan.

Inventor  
Wm H Berrigan Jr.

# UNITED STATES PATENT OFFICE.

WILLIAM H. BERRIGAN, JR., OF JERSEY CITY, NEW JERSEY, ASSIGNOR OF  
ONE-HALF TO CHARLES G. F. WAHLE, JR., OF NEW YORK, N. Y.

## PUSH-BUTTON.

SPECIFICATION forming part of Letters Patent No. 500,110, dated June 27, 1893.

Application filed December 19, 1892. Serial No. 455,724. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM H. BERRIGAN, Jr., a citizen of the United States, residing at Jersey City, in the county of Hudson and State of New Jersey, have invented a new and Improved Push-Button, of which the following is a full, true, and accurate description, reference being had to the accompanying drawings, wherein similar letters of reference refer to similar parts.

The object of my invention is to produce a push button having the advantages of cheapness, lightness, convenience in packing and simple adjustment, the product being an improvement upon the push button shown and described in an application filed by me April 7, 1892, Serial No. 428,236, in that greater accuracy, neatness and security of fastening are attained.

Figure 1 shows a form of shell made from one form of blank described in my said application, Serial No. 428,236, said shell having the body, A, with opening D, the lip B with opening E, therein, and tongue C, with openings F, Z, therein, said tongue being bent at H. I. Fig. 2 shows a cross-section of the push button, as made from the shell shown in Fig. 1, attached to the wall or surface, after complying with the directions for fastening the same as hereinafter described. Fig. 3 shows an ornamental shell.

In my said application, Serial No. 428,236, is described and claimed a shell consisting of body, tip, and tongue, there being but one opening in the said tongue, the shell being bent at H. In attaching said shell to a surface, great care is necessary to insure the tip of the tongue C, coming immediately underneath the opening D, and my present invention is designed with a view to insuring that the tip of the tongue, C, shall come immediately underneath said opening without the exercise of extra care, and to insure a uniform appearance of the button, the button shown in my original application exposing one fastening and concealing the other.

As shown in my said application, Serial No. 428,236, the tip of the tongue, C, of my present invention, may be broadened and the broadened portion depressed into a knuckle to take the place of an independent button,

without departing from my said invention, or a button of china, metal, rubber, or other substance may be cemented, glued, screwed, clutched or by any means affixed to the tip of said tongue, C, as shown in an application filed by me simultaneously herewith. The shell may be made from the blank in any suitable way, or may be formed from a sheet of material, by rolling or other methods.

The particular form of button contemplated by my present invention is affixed to the surface, in the following manner: The plug, I, preferably a conductor of electricity is inserted, as shown in Fig. 2, into the wall or surface connecting said plug to one wire (y) from battery, bending the tongue at H, passing the screw, J, through the openings F, and opening Z into the surface, bringing the tongue, C, directly over the plug, I, and passing another screw, R, through the opening E, in lip B, and into the surface. Either of said screws J, R, may be connected to the wire (z) from the battery. Pressure upon the button K will cause a circuit, through plug, I, and tongue, C, and upon the withdrawal of pressure the circuit will be broken.

Of course, the portions of the button concealed by the shell need not be improved in appearance, which is an element of cheapness. The fastening device, I, being concealed may be attached by any suitable means to the wires leading to the battery.

Although I have described and represented those details which I consider best adapted for practical purposes, it is to be understood that the form and arrangement of the parts may be modified in many respects which will be suggested by the judgment and experience of persons skilled in the art, without departing from my invention. While it will be seen from the foregoing description that the object of the lip, B, having the opening therein, is to provide a means of finally attaching a button to the surface, yet it will readily be understood that a shell having a flange entirely around its base may be used, and two or more openings made in said flange, or a shell having an extended base may be used, and openings made in the base. The flange, or the extended base, should bear an opening to coincide with the opening in the extended tongue



when the tongue is bent underneath, or a plurality of shells may be used having a common base, such common base having a number of extensions, or tongues, openings in the base  
5 coinciding with openings in the tongues.

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

1. A shell for push-buttons, consisting of  
10 body, A, with opening D, therein, the lip B with opening E therein, and the tongue C with the openings F, Z, therein, being bent at H, substantially as shown and described.

2. A shell for push-buttons, consisting of  
15 body A, with opening D, therein, the lip B with opening E therein, the tongue C with openings F, Z, therein, being bent at H, the tip of said tongue being depressed to form a knuckle substantially as described.

20 3. A push-button consisting of body, A, with opening D, therein, lip B, with opening E, therein, and tongue C, with openings F and Z therein, having the said tongue C bent at H, the openings F and Z being coincident to  
25 each other, and the tip of said tongue, C, being below the opening D, substantially as and for the purposes described.

4. A push button consisting of body A, with opening, D, therein, lip B, with opening E,  
30 therein, and tongue C, with openings F and Z therein, the tongue C, depressed at its tip to form a knuckle, said tongue being bent at H the openings F and Z being coincident to each other, and the tip of said tongue, C, de-  
35 pressed into the form of a knuckle, being below the opening D, so that the knuckle protrudes through the opening, D, substantially as described.

5. A shell for push-buttons, consisting of  
40 body, A, with opening, D, therein, and lip, B, and tongue, C, with openings, F, Z, being bent at H, substantially as described.

6. A shell for push-buttons, consisting of  
45 body A, with opening, D, therein, the lip, B, and tongue, C, with openings F, Z, therein, being bent at H, the tip of said tongue being broadened and depressed to form the knuckle.

7. A push-button consisting of body, A, with opening, D, therein, lip, B, and tongue, C, with openings F and Z therein, being bent at  
50 H, the openings F and Z being coincident to each other, and the tip of said tongue C, being below the opening, D, substantially as and for the purposes described.

8. A push-button consisting of body, A, with  
55 opening D therein, lip B, and tongue C, with openings F and Z therein, the tongue, C, depressed at its tip to form a knuckle, said tongue being bent at H, the openings F and Z being coincident to each other, and the tip  
60 of said tongue, depressed to form the knuckle, being below the opening D, so that the knuckles protrude through said opening, D, substantially as described.

9. A shell for push-buttons, consisting of  
65 body A, with opening D therein, and tongue, C, with openings F, Z, therein, being bent at H, substantially as described.

10. A shell for push-buttons consisting of  
70 body, A, with opening, D, therein, and tongue C, with openings F, Z, therein, being bent at H, the tip of said tongue being depressed to form a knuckle, substantially as described.

11. A push-button consisting of body, A, with opening D, therein, and tongue, C, with  
75 openings F, Z, therein, having the said tongue, C, bent at H, the openings F, Z, being coincident to each other, and the tip of said tongue, C, being below the opening D, substantially as and for the purposes described.  
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12. A push-button consisting of body, A, with opening, D, therein, and tongue C, with  
85 openings F, Z, therein, the tongue, C, depressed at its tip to form a knuckle, said tongue being bent at H, the openings F, Z, being coincident to each other, and the tip of said tongue C, depressed into the form of a knuckle, being below the opening, D, so that the knuckle protrudes through the opening D, substantially as described.

WILLIAM H. BERRIGAN, JR.

In presence of—

SOLON BERRICK,  
EDWARD OWEN.