G. W. GOODRIDGE.

PUSH BUTTON FOR ELECTRIC SWITCHES.

APPLICATION FILED JULY 24, 1908.

902,962. **Patented Nov. 3, 1908.**

Fig. 1.

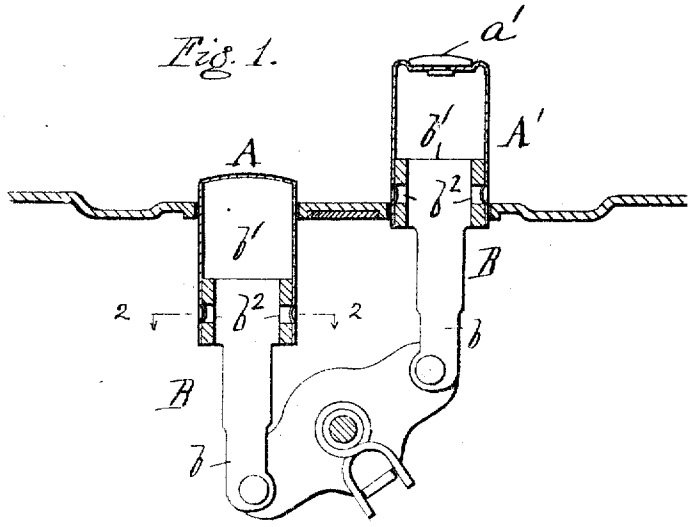


Fig. 2.

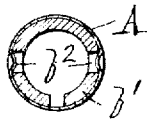
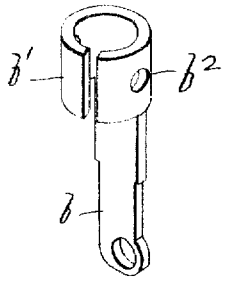


Fig. 3.



WITNESSES

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UNITED STATES PATENT OFFICE.

GILBERT W. GOODRIDGE, OF BRIDGEPORT, CONNECTICUT, ASSIGNOR TO THE PERKINS ELECTRIC SWITCH MANUFACTURING COMPANY, OF BRIDGEPORT, CONNECTICUT, A CORPORATION OF CONNECTICUT.

PUSH-BUTTON FOR ELECTRIC SWITCHES.

No. 902,962. Specification of Letters Patent. Patented Nov. 3, 1908.

Application filed July 24, 1908. Serial No. 445,286.

To all whom it may concern:

Be it known that I, GILBERT W. GOODRIDGE, a citizen of the United States of America, residing in the city of Bridgeport, in the county of Fairfield, in the State of Connecticut, have invented certain new and useful Improved Push-Buttons for Electric Switches, of which the following is a specification.

The object of my invention is to provide a simple and inexpensive construction of push button for electric push switches of either the two button or one button type. This object I attain by the construction of push button hereinafter described and claimed.

In the accompanying drawing Figure 1 is a vertical section of part of a two push button switch, embodying my invention; Fig. 2 is a section on the line 2—2, Fig. 1; and Fig. 3 is a perspective view of the stem.

Ordinarily the push buttons of electric switches are made of composition molded onto metal stems, and their manufacture is somewhat expensive. To lessen the cost, I make the head of the button of drawn sheet metal, as shown at A, (A^1), Fig. 1, and with such drawn sheet metal head I combine a stem B of the construction best seen in Fig. 3, that is to say, a metal stamping with a flat stem b to be connected to the switch mechanism, and a head formed by bending two wings into the form of a split tube b^1. In this split tube I cut holes b^2 into which the sheet metal walls of the button head A are indented, when the tube b^1 is entered into the button head A, as shown in Figs. 1 and 2.

The outer faces of these sheet metal button heads are preferably japanned, and suitable means are provided to distinguish the "off" button from the "on" button in the case of a two button switch. Thus, as shown at A^1, in Fig. 1, the "on" button may have a nickel plated disk or other light colored disk a^1 riveted to the top of the button head, a depression being in such case formed in the top of the button to receive the disk.

I claim as my invention—

1. A push button for electric switches, comprising a sheet metal button head in combination with a stem having a tubular head with openings into which the metal of the button head is indented.

2. A push button for electric switches, comprising a sheet metal button head in combination with a stem having a head formed of arms bent into a split tube with openings into which the metal of the button head is indented.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses.

GILBERT W. GOODRIDGE.

Witnesses:

WALTER ABBE,

HUBERT HOWSON.