No. 631,892. Patented Aug. 29, 1899.

L. F. JOHNSON.

ELECTRIC PUSH BUTTON.

(Application filed May 29, 1899.)

(No Model.)

Fig. 1.

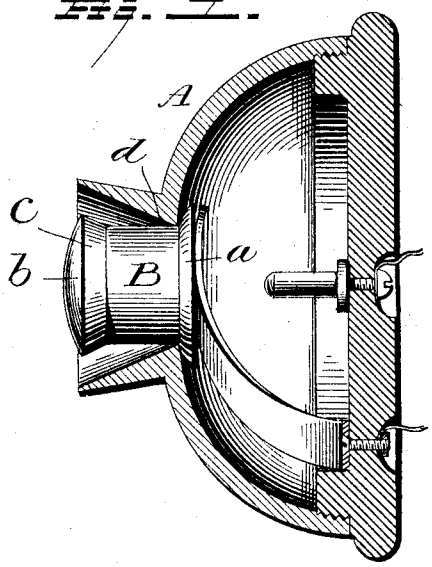


Fig. 2.

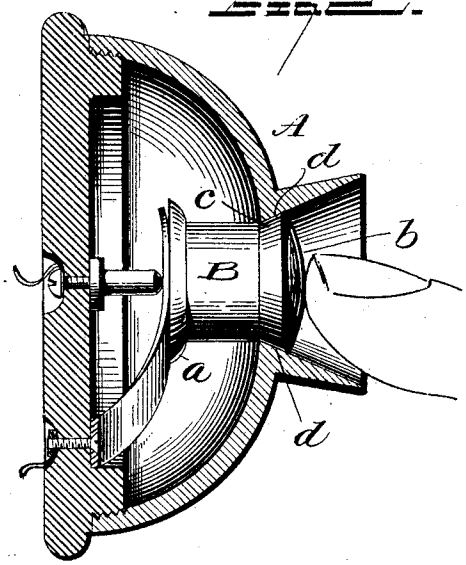
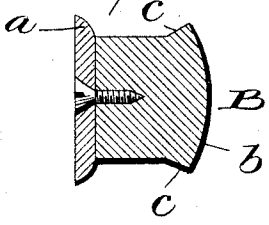


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

LOUIS F. JOHNSON, OF EASTON, PENNSYLVANIA.

ELECTRIC PUSH-BUTTON.

SPECIFICATION forming part of Letters Patent No. 631,892, dated August 29, 1899.

Application filed May 29, 1899. Serial No. 718,678. (No model.)

To all whom it may concern:

Be it known that I, LOUIS F. JOHNSON, a citizen of the United States, residing at Easton, in the county of Northampton and State of Pennsylvania, have invented certain new and useful Improvements in Electric Push-Buttons; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon.

The present invention has reference to that class of push-buttons, push-keys, or other like devices in use for closing electric circuits for the purpose of ringing a bell on the different floors of an elevator, as a front-door push-button, or in other places that would be accessible or convenient to malicious or mischievous persons in tampering with the button.

It is the object of the invention to provide means to prevent the plugging of the button to keep it closed on the circuit in order to produce a continuous ring, which object is attained by the construction substantially as shown in the drawings and hereinafter described and claimed.

Figure 1 of the drawings is a sectional elevation of the case with its electrical connections and showing the push-button proper in elevation and in its normal position; Fig. 2, a similar view showing the push-button proper in the position it will assume when pushed in to close the circuit; Fig. 3, a detail sectional view of the push-button proper.

In the accompanying drawings, A represents the usual case of a push-button, and B the button proper.

The push-button B has a flange or head on its outer end and upon its inner end the usual stop, and to enable the button to be inserted in the case it is necessary to construct the button in two sections, the stop *a* being made separately and afterward connected to the button by a screw or other suitable fastening when the button is in place in the case. The circumferential head or flange *b* upon the outer end of the button is formed with a straight bevel *c* at an angle to correspond with the angle of the bevel *d* on the case A. The bevel *c* is formed upon the inner side of the flange or head *b*, and as the two bevels upon the flange or head and the case are of substantially the same angle or incline when the button is pushed in to close the circuit, as illustrated in Fig. 2 of the drawings, no space between the two bevels will be left in which to insert a match, splint, or other object to hold the circuit closed and keep up a continuous ring, which has frequently been done with the push-buttons of the ordinary construction by mischievous or malicious persons. In order to successfully guard against the insertion of any object between the push-button proper and the case thereof when said button is pushed in to close the circuit, it is necessary that the bevels should be straight and substantially on the same angle or incline, so that when the bevels meet in pushing in the button they will come close together and leave no space between.

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

A push-button proper and a case therefor, said button having a flange or head with a straight bevel upon its inner side, and a corresponding bevel upon the case to form a close joint when the two bevels come together, substantially as and for the purpose set forth.

In testimony that I claim the above I have hereunto subscribed my name in presence of two witnesses.

LOUIS F. JOHNSON.

Witnesses:
A. WOEPPEL,
A. F. HELLER.