(No Model.)

G. JEPSON.

PUSH BUTTON.

No. 574,247. Patented Dec. 29, 1896.

Fig. 1

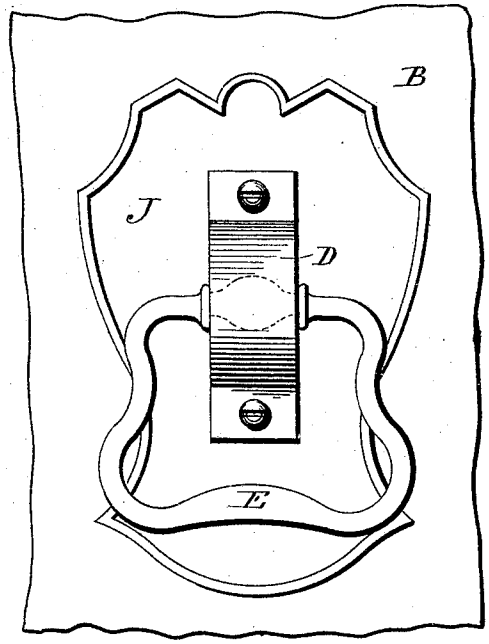


Fig. 2

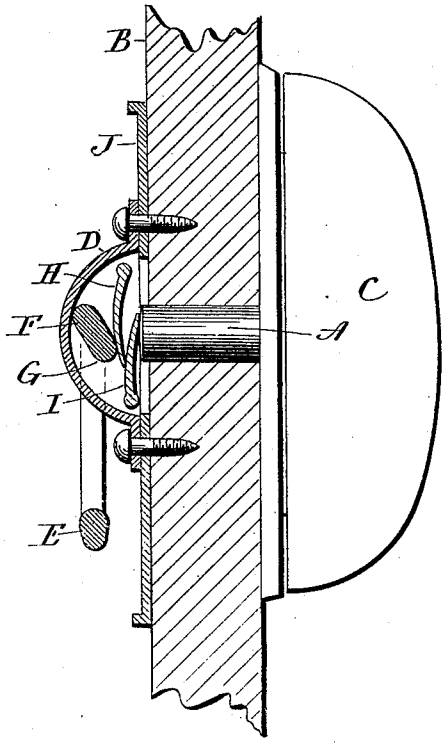
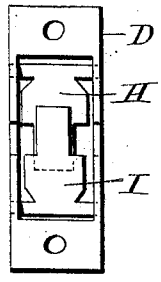


Fig. 3



Witnesses.
J. H. Shumway
Lillian D. Kelsey

George Jepson.
Inventor.
By atty's. Earle Seymour

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

GEORGE JEPSON, OF MERIDEN, CONNECTICUT.

PUSH-BUTTON.

SPECIFICATION forming part of Letters Patent No. 574,247, dated December 29, 1896.

Application filed October 5, 1896. Serial No. 607,861. (No model.)

To all whom it may concern:

Be it known that I, GEORGE JEPSON, of Meriden, in the county of New Haven and State of Connecticut, have invented a new Improvement in Push-Buttons; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a face view; Fig. 2, a sectional view of a push-button shown in connection with a direct-operating bell; Fig. 3, an inside view of the casing, detached.

This invention relates to an improvement in push-buttons or devices for operating bells, and particularly to a device for operating bells for outside doors, in place of the ordinary push-button as now employed.

As at present arranged the push-button is comparatively small in size, although it may be arranged upon a large plate. It is many times difficult to exactly strike the button and force it inward to ring the bell.

The object of this invention is to produce a device adapted for operating the push-buttons of bells which shall be not only highly ornamental but be of such a size and so located as to be easily found, and not only easily operated, but also readily operated, even when one's hands are engaged; and the invention consists in the construction as hereinafter described, and pointed out in the claims.

The device is used in connection with a push rod or button A, which may be of ordinary construction and arranged so as to extend slightly beyond the face of the casing B and directly engage with a bell C, or with contact-points to complete an electric circuit, in the usual manner for push-buttons for electric bells. Over the push rod or button A, I arrange a casing D, in which is mounted a lever E, formed with outward reversely-extending cam-faces F G. To the upper end of the casing is pivotally suspended a finger H, which depends below the cams F G, and in the lower end of the case is pivotally mounted a finger I, which extends upward and overlaps the end of the finger H and is slightly bowed to take a bearing upon the end of the rod or button A. In the normal position, with the lever or handle E depending downward, as shown in Fig. 2, the cam G rests against the outer face of the finger H, the lower end of which rests against the outer face of the finger I, whose upper end, as before stated, bears against the outer end of the rod or button A.

To operate the bell, the lever E is pushed either inward, which forces the cam G against the finger H, which in turn forces the finger I against the rod or button A to operate the bell mechanism, or raised, which forces the cam against the finger, which in turn forces the finger I against the button A with the same result. Preferably, the casing D will be mounted upon an escutcheon J, which may be very ornamental, and with the lever E correspond in design with the door-handles and other trimmings. The handle or lever E, being largely exposed, is easily grasped by the fingers to be raised, or may be forced inward by the hands or otherwise, so as to operate the bell and avoid the necessity of bearing upon a comparatively small point, as is necessary with the usual push-buttons as now employed.

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

1. The herein-described push-button, consisting of a casing, a lever mounted in the casing and formed at its upper end with oppositely-inclined cam-faces, two fingers mounted in the case one above and one below said cams, and overlapping each other in the path of movement of said cams, substantially as described.

2. The herein-described push-button, consisting of a casing, a lever mounted in the casing and formed with oppositely-inclined cam-faces, two inwardly-bowed fingers mounted in the said case one above and one below said cams and overlapping each other in the path of movement of said cams, substantially as described.

3. In a push-button, the combination with the escutcheon-plate formed with an opening,

of a casing adapted to be secured to said plate over the opening therein, a lever mounted in the said casing, and formed with oppositely-inclined cams, and bowed fingers mounted above and below the said lever, and crossing each other in the path of said cams and over the opening in the said plate, substantially as described.

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

GEORGE JEPSON.

Witnesses:
BENJ. PAGE,
L. C. PARDEE.