

No. 857,176.

PATENTED JUNE 18, 1907.

H. HUBBELL.  
FLUSH ATTACHMENT PLUG.  
APPLICATION FILED JULY 30, 1906.

Fig. 1.

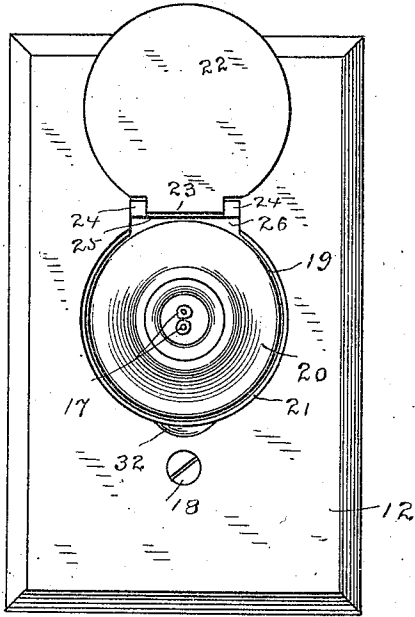


Fig. 2.

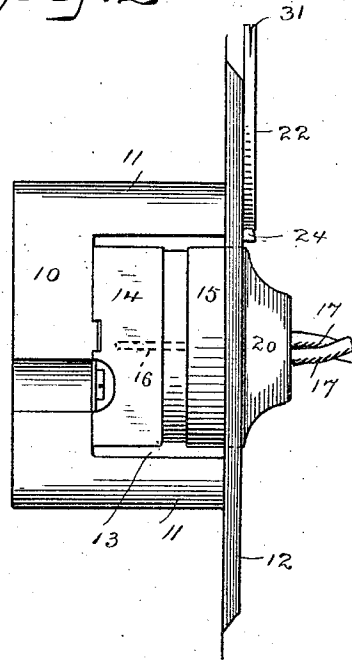


Fig. 3.

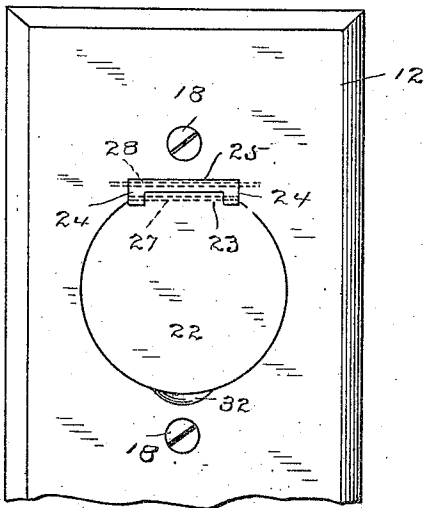


Fig. 4.

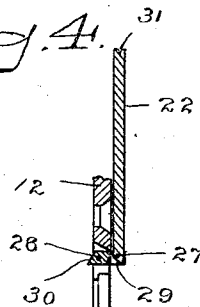
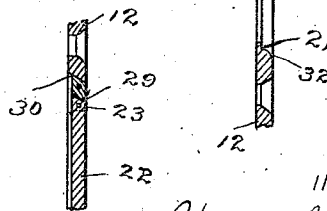


Fig. 5.



WITNESSES

H. A. Lamb.  
S. W. Atherton

INVENTOR

Harvey Hubbell  
BY  
A. M. Wooster  
ATTORNEY

# UNITED STATES PATENT OFFICE.

HARVEY HUBBELL, OF BRIDGEPORT, CONNECTICUT.

## FLUSH ATTACHMENT-PLUG.

No. 857,176.

Specification of Letters Patent.

Patented June 18, 1907.

Application filed July 30, 1906. Serial No. 328,349.

*To all whom it may concern:*

Be it known that I, HARVEY HUBBELL, a citizen of the United States, residing at Bridgeport, county of Fairfield, State of Connecticut, have invented a new and useful Flush Attachment-Plug, of which the following is a specification.

This invention relates to flush attachment plugs, so called, and has for its object to produce an attachment plug of this class so constructed as to receive the body of the cap through an opening in the face plate so that the cone only of the cap will project beyond the face plate when the cap is in place, and to provide a cover for the opening hinged in such a manner that it will fold backward and lie closely in contact with the face plate when in the open position, and in the closed position will lie flush with the surface of the face plate. With these and other objects in view I have devised the novel flush attachment plug of which the following description in connection with the accompanying drawing is a specification, reference characters being used to indicate the several parts:

Figure 1 is a front elevation of my novel flush attachment plug, showing the cover in the open position and the cap in place; Fig. 2 a side elevation corresponding with Fig. 1; Fig. 3 a front elevation with the cap removed and the cover in the closed position; Fig. 4 a detail sectional view of the face plate and cover in the open position; and Fig. 5 is a similar view, the cover being in the closed position.

10 denotes a base which is provided with extensions 11 to which the face plate 12 is attached, leaving a recess 13 between the extensions which receives the covering block 14 and the body of the cap which is indicated by 15. The base, extensions and covering block are preferably made of porcelain and the face plate and cap of metal. The cap is provided with contacts 16, see dotted lines Fig. 2, which are received in corresponding insulating passages in the covering block precisely as in Letters Patent No. 793,197, granted to me June 27, 1905.

As the mode of engagement of the contacts forms no portion of the present invention, it is not thought necessary to illustrate and describe them in detail in this specification.

17 denotes electrical connections which enter the cap in the usual manner. The face plate is secured to the extensions of the base

in any suitable manner as by screws 18 passing through the face plate. The face plate is provided with a circular opening 19 through which the cap passes into recess 13, the cone only of the cap, which is indicated by 20, projecting beyond the face plate, the body of the cap lying in the opening in the face plate and in recess 13. Around the lower edge of opening 19 is a shoulder 21 upon which the cover 22 rests when in the closed position, said shoulder serving as a stop for the cover when in closed position. The cover is provided upon one side with a tongue 23 which is pivoted between lugs 24 extending from a bar 25 which is itself pivoted in a rectangular recess 26 in one side of the opening 19 of the face plate. The pivot pin of the cover to the bar is indicated by 27 and the pivot pin of the bar to the face plate is indicated by 28. The rear face of ear 23 and the rear face of the bar are beveled downward and forward as at 29 and 30 respectively, see Figs. 4 and 5, and the corresponding surfaces on the front of the bar and the wall of opening 26 are undercut so that in the closed position both the cover and the bar will lie flush with the surface of the face plate, the cover, ear, bar and lugs fitting each other and the openings in the face plate closely with just a line to show between them. At the edge of the cover opposite to the hinge is a nail groove 31, and contiguous thereto in the face plate is a recess 32 for convenience in opening the cover. To raise the cover, the operator places the back of a finger nail in the recess and the edge of the nail in the groove, which enables the cover to be readily lifted. It will be noted that this mode of hinging the cover, that is pivoting the cover to the bar and pivoting the bar to the face plate, leaves the hinge wholly concealed when the cover is in the closed position, as clearly shown in Fig. 5, and permits the cover to be given a full half turn, so that in the open position it will lie parallel with the face plate and in contact therewith.

Owing to the formation and structure of the parts as described, the device presents a smooth flat outer surface when the cover is closed, and might even be set in a floor where it could be stepped on, and yet the cover could not be sprung open to the slightest extent. This is not only due to the fact that the shoulder 21 serves as a stop to hold the cover 22 exactly in closed position, but also to the arrangement of the bar 25 pivoted in

the recess 26 in the face plate and having its swinging edge recessed and receiving a tongue of the cover 22. Any pressure inward or downward upon the bar itself cannot serve to spring the cover 22 outward or upward to the slightest extent.

Having thus described my invention I claim:

In a flush attachment plug, the combination with a face plate having an opening and a recess extending from one side thereof, of a bar fitting said recess and pivoted therein and having end lugs, and a recess between said lugs and a cover fitting the opening of

the face plate and having a tongue fitting the recess of the bar between its lugs and pivoted to said lugs, the opening of the face plate being formed to stop the cover in closed position, the edges of the bar and the surfaces against which said edges abut when the cover is closed, being beveled.

In testimony whereof I affix my signature, in presence of two witnesses.

HARVEY HUBBELL.

Witnesses:

A. M. WOOSTER,  
S. W. ATHERTON.