A. S. GODDARD.

LETTER BOX.

APPLICATION FILED DEC. 26, 1914.

1,152,941.

Patented Sept. 7, 1915.

Fig. 1.

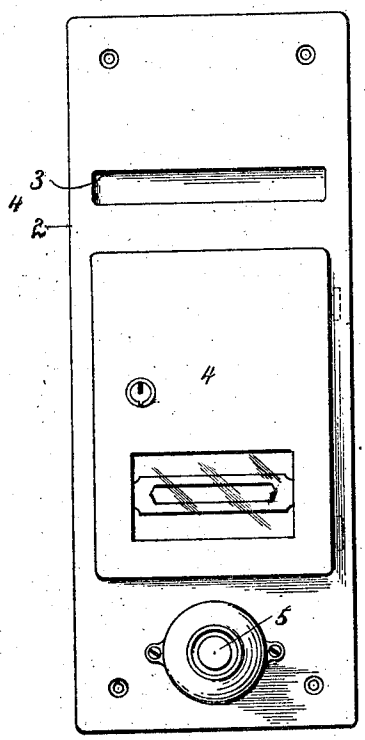


Fig. 2.

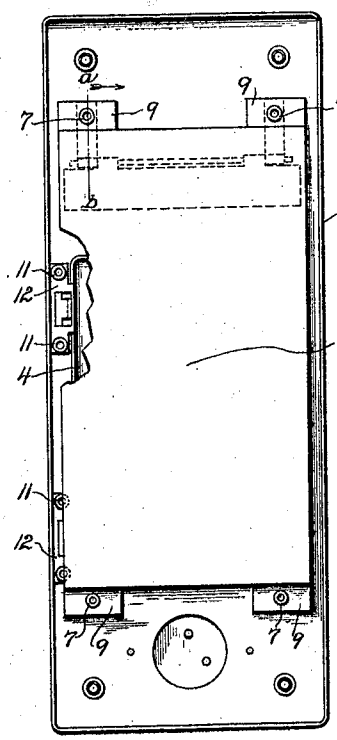


Fig. 3.

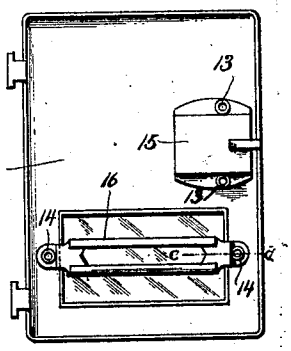


Fig. 4.

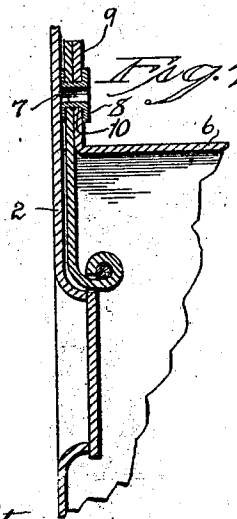


Fig. 6.



Fig. 7.

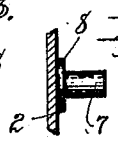
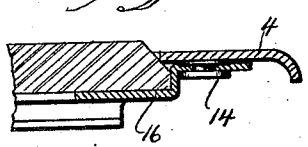


Fig. 5.



Witnesses,
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UNITED STATES PATENT OFFICE.

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LETTER-BOX.

1,152,941. Specification of Letters Patent. Patented Sept. 7, 1915.

Application filed December 26, 1914. Serial No. 879,091.

To all whom it may concern:

Be it known that I, ARTHUR S. GODDARD, a citizen of the United States, residing at Waterbury, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Letter-Boxes; and I do hereby declare the following, when taken in connection with the accompanying drawings and the characters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this application, and represent, in—

Figure 1 a front view of a letter box constructed in accordance with my invention. Fig. 2 a rear view of the same, a portion of the case broken away. Fig. 3 an inside view of the door. Fig. 4 a sectional view on the line *a—b* of Fig. 2 on an enlarged scale. Fig. 5 a sectional view on the line *c—d* of Fig. 3 on an enlarged scale. Fig. 6 an end view of one of the hollow rivets, detached. Fig. 7 a side view of one of the hollow rivets shown as attached to the rear face of the plate or door

This invention relates to an improvement in letter boxes, and particularly to letter boxes which are employed in offices, apartment houses and other places, and which consist of a front plate provided with a slot opening into the box, a door for the box and a push button for electric bell or a mouth for a speaking tube. These front plates and the doors are usually formed from comparatively thin sheet metal, and if the parts which are secured to the plate or to the door are secured by rivets which extend through the face of the plate and door, these rivets show, and in a sense, mar the appearance of the plate and door.

The object of this invention is to secure the metal parts of a letter box in such a way that rivets will not appear through the face-plate or door; and the invention consists in the construction hereinafter described and particularly recited in the claim.

The front plate 2 may be of any approved design. As herein shown it is formed with a transverse slot 3 through which letters may be inserted into the box, a door 4 by which the box is closed, and at the bottom a push-button 5 is secured to the face of the plate. Secured to the back of the plate is a casing 6. These are all formed from comparatively thin sheet metal, and the plate and door usually of brass. To avoid having the rivets which secure the casing to the back extend through the face plate, I attach to the rear face of the plate at the desired points hollow rivets 7 having flanges 8 by which the hollow rivets may be firmly soldered or otherwise secured to the rear of the face plate. The casing is provided with ears 9 having perforations 10 adapting the case to set over the hollow rivets which are then upset so as to firmly attach the casing to the rear of the face plate. Similar rivets 11 are employed for attaching hinge plates 12 to the rear of the face plate by which the door 4 is secured in position; and attached to the inner face of the door are similar rivets 13, 14, by which the lock 15 and name-plate slide 16 are secured in place. By this construction the several parts of a complete letter box are connected together without rivets which extend through the face plate or door, and these parts can be secured after the face of the plate and door have been finished, without marring the surface finish of these parts.

I claim:—

A sheet metal letter box plate having separately formed hollow rivets having flanges which are secured to its rear face and projecting rearward therefrom, and parts of a letter box secured to the plate by upsetting the outer ends of the said rivets.

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

ARTHUR S. GODDARD.

Witnesses:
J. S. NEAGLE,
K. M. BROWN.