

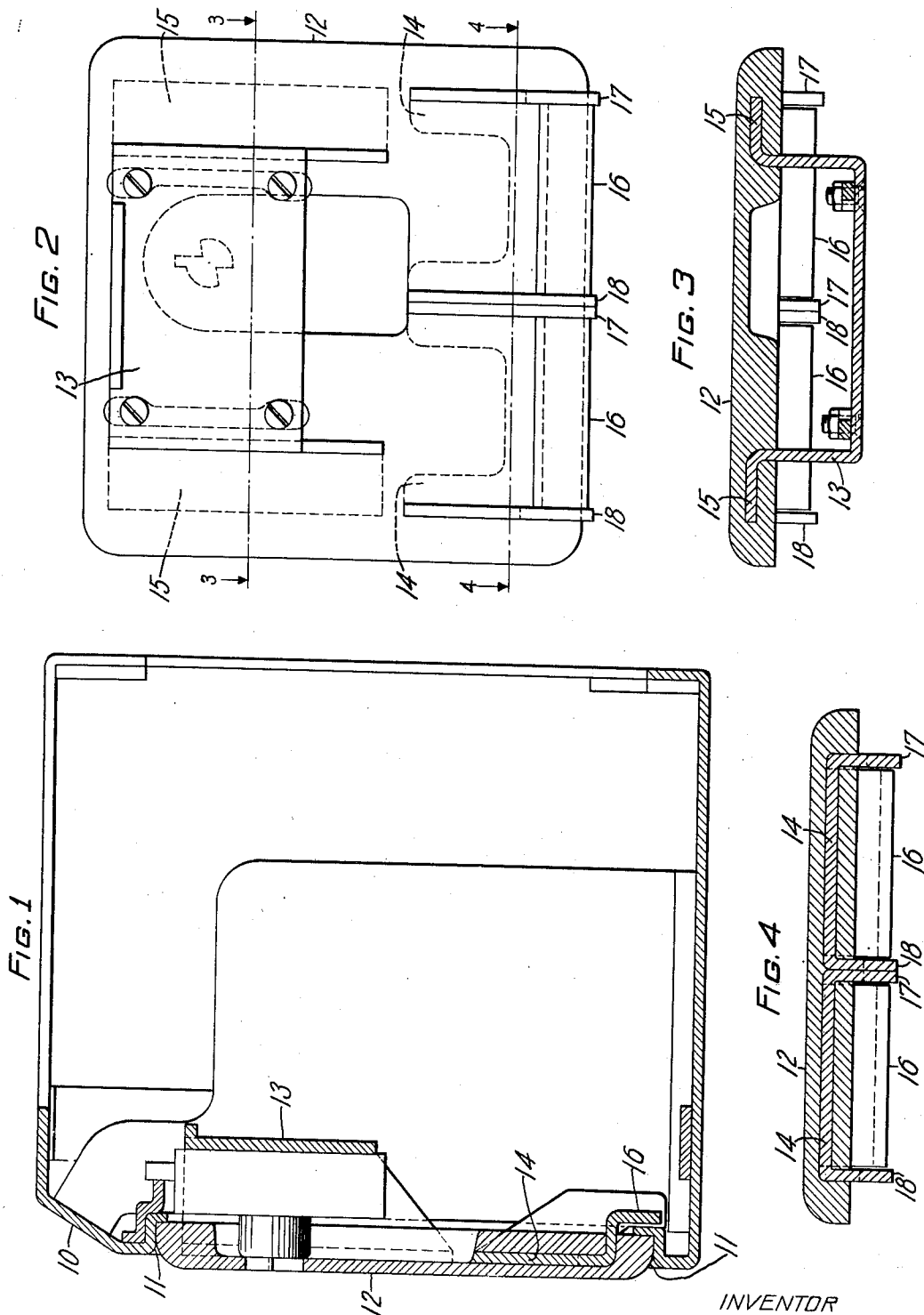
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TELEPHONE PAY STATION RECEPTACLE

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TELEPHONE PAY STATION RECEPTACLE

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This invention relates to telephone pay stations and more particularly to covers or doors for coin receptacles or boxes therefor.

Telephone pay stations at which coins are deposited by the user in payment for completed calls are provided with receptacles for the reception of the deposited coins. In some cases stations of this type are located in public places where there is no attendant. The door of the coin box is exposed and unscrupulous persons sometimes break into the boxes by prying off the door, drilling into it or by other means. It is, therefore, desirable that this door be as strong as possible and so formed with respect to the opening in which it fits so that it will be impossible to pry the door loose from the receptacle.

An object of the invention, therefore, is to strengthen the cover or door of coin receptacles so as to prevent access to the receptacles by unauthorized persons and at the same time to reduce the cost of production.

In accordance with this invention the door for the coin receptacle is made of manganese steel and cast into shape to closely fit the opening of the coin receptacle. Since this casting cannot easily be drilled to attach a supporting member to the inner surface thereof, a lock supporting member having flanged ends is embedded, that is, molded into the casting at one end of the door and a pair of plates equipped with projecting ends formed into overhanging lugs are embedded, that is, molded into the other end of the casting for supporting the door at the lower edge of the opening in the coin receptacle. This construction forms a strong closure for coin boxes for telephone pay stations so that unauthorized persons cannot gain entry to the coin box by prying the cover off or drilling through the hard steel door. Furthermore, the molded type of door reduces the cost of manufacture since the number of operations for assembling the door are reduced.

The invention may be more easily understood by referring to the following detailed description in connection with the accompanying drawing:

Fig. 1 is a sectional side view of a coin receptacle to show the improved door made in accordance with this invention;

Fig. 2 is a rear plan view of the cast door showing the lock supporting member and lug plates embedded in the door;

Fig. 3 is a cross-sectional view of Fig. 2 on the lines 3—3 to illustrate the flanged ends of the lock supporting member embedded in the cast door; and

Fig. 4 is a cross-sectional view of the door of Fig. 2 on the lines 4—4 showing the lug plates embedded in the door.

Referring to the drawing in Fig. 1 is shown a metallic cash receptacle 10 having an opening in the forward end which is surrounded by an outwardly curved beveled rim 11. A door 12 closely fits into the beveled rim 11 of the receptacle 10 and is formed of highly refractory metal, such as manganese steel. Since this material cannot easily be machined, it is preferable to cast the door into a desirable shape to fit the opening and as shown in the drawing, the cast door is relatively thick and the edges are beveled toward the outer surface to present a surface of minimum leverage for a tool which might be inserted between the adjacent edges of the door and the receptacle.

In accordance with this invention the lock supporting member 13 is formed of strip steel or other suitable metal bent into a U-shaped structure having angular portions 15 which are embedded in the cast door 12. A pair of lug plates 14 of strip steel or suitable metal shown at the lower end of the door are provided with L-shaped portions 16 projecting beyond the edge of the door and having reinforcing end portions 17 and 18 projecting out from the rear surface of the door. As shown in Fig. 1 the L-shaped lugs 16 and the reinforcing ends 17 and 18 of the plates 14 engage the inner surface of the rim 11 on the receptacle 10 and the inner surface of the door 12 adjacent the lower end engages the outer surface of the rim 11 on the receptacle.

A unitary structure is thereby provided and the weaknesses of a door with members

welded, riveted, or screwed thereto are avoided.

The cast manganese steel door offers a strong closure for the cash receptacle of the telephone set and it is very difficult to obtain access to the interior by the use of drills or prying implements. It will be seen that the losses occasioned by unscrupulous persons breaking into the coin boxes will be stopped and this destructive practice discouraged. Furthermore, the improved door offers reduction in the cost of manufacture, since the number of operations for assembling the door is reduced to a minimum.

What is claimed is:

1. A coin receptacle comprising a compartment having an opening therein, a cast steel door for closing said opening, a plurality of lugs of strip steel, each of said lugs having a flat portion rigidly held between the outer and inner layers of said door and another portion projecting through the inner layer for engaging the inside of the compartment at the edge of the opening therein.
2. A coin receptacle comprising a compartment having an opening therein, a cast steel cover for closing said opening, a U-shaped strip steel member having oppositely projecting arms rigidly held between the outer and inner layers of said cover, said U-shaped member projecting through the inner layer of said cover, a lock supported on said member and a lug of strip steel having a flat portion rigidly held between the outer and inner layers of said cover and another portion projecting through the inner layer, said lock and said projecting portion of the lug being adapted to engage the inside of the compartment at the edge of the opening.

3. In a coin receptacle, a casing having an opening therein, a cover therefor comprising a cast steel plate for closing said opening, and a supporting lug of strip steel having a flat U-shaped portion embedded in the material of said plate and extending parallel to the surface thereof, said flat portion having upturned outer edges projecting through the surface of said plate, the lower edge having a part extending parallel to the surface of said plate for engaging the edge of said opening.

4. A coin receptacle comprising a compartment having an opening therein, a cast steel door for closing said opening and a supporting member of sheet steel having a flat portion permanently embedded in said door between the inner and outer surfaces thereof and two substantially parallel upturned portions projecting through the inner surface of said door, said projecting portions being longitudinally extended beyond the embedded portion and adapted to engage the inner edge of said opening.

5. A coin receptacle comprising a compartment having an opening therein, a cast steel door for closing said opening and a supporting member of sheet steel having a flat portion permanently embedded in said door between the inner and outer surfaces thereof, and three upturned edges projecting through the inner surface of said door and adapted to engage the inner edge of said opening, two of said edges being substantially parallel and the third extending between them.

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