

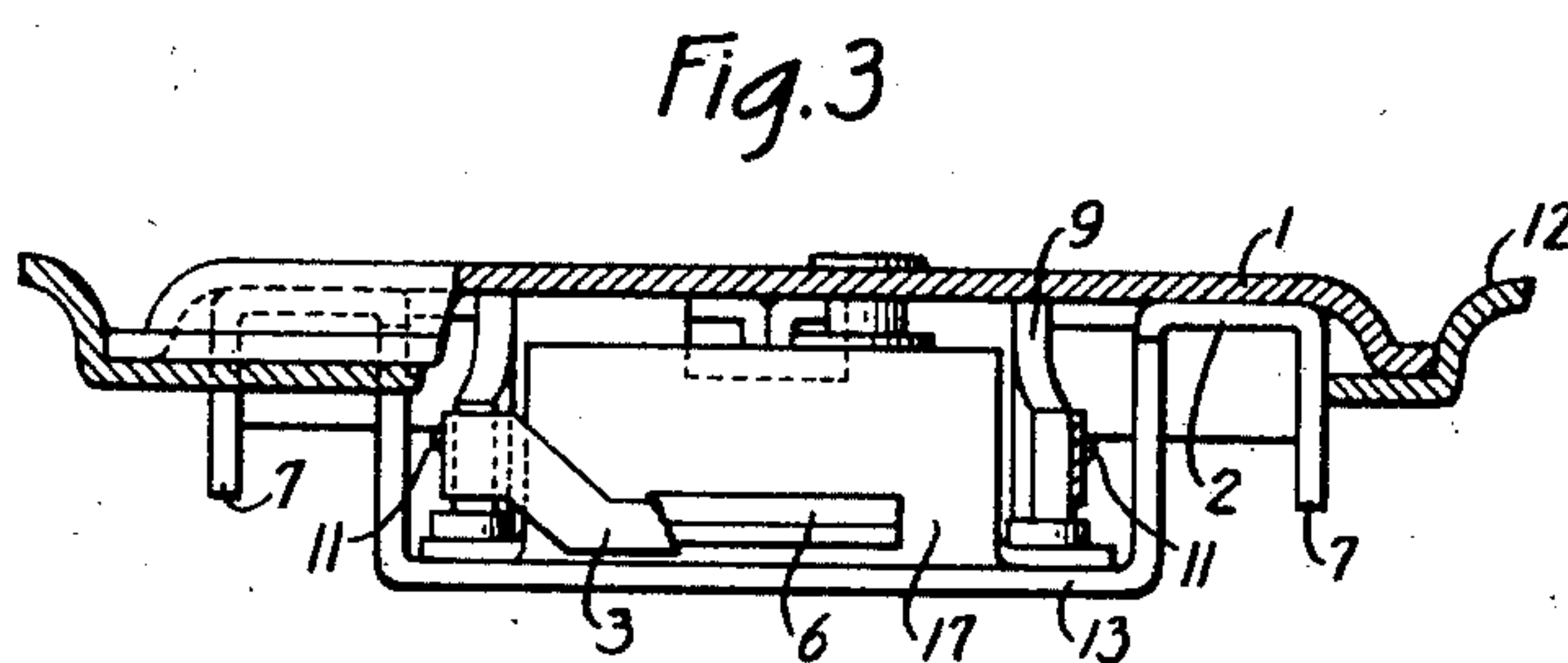
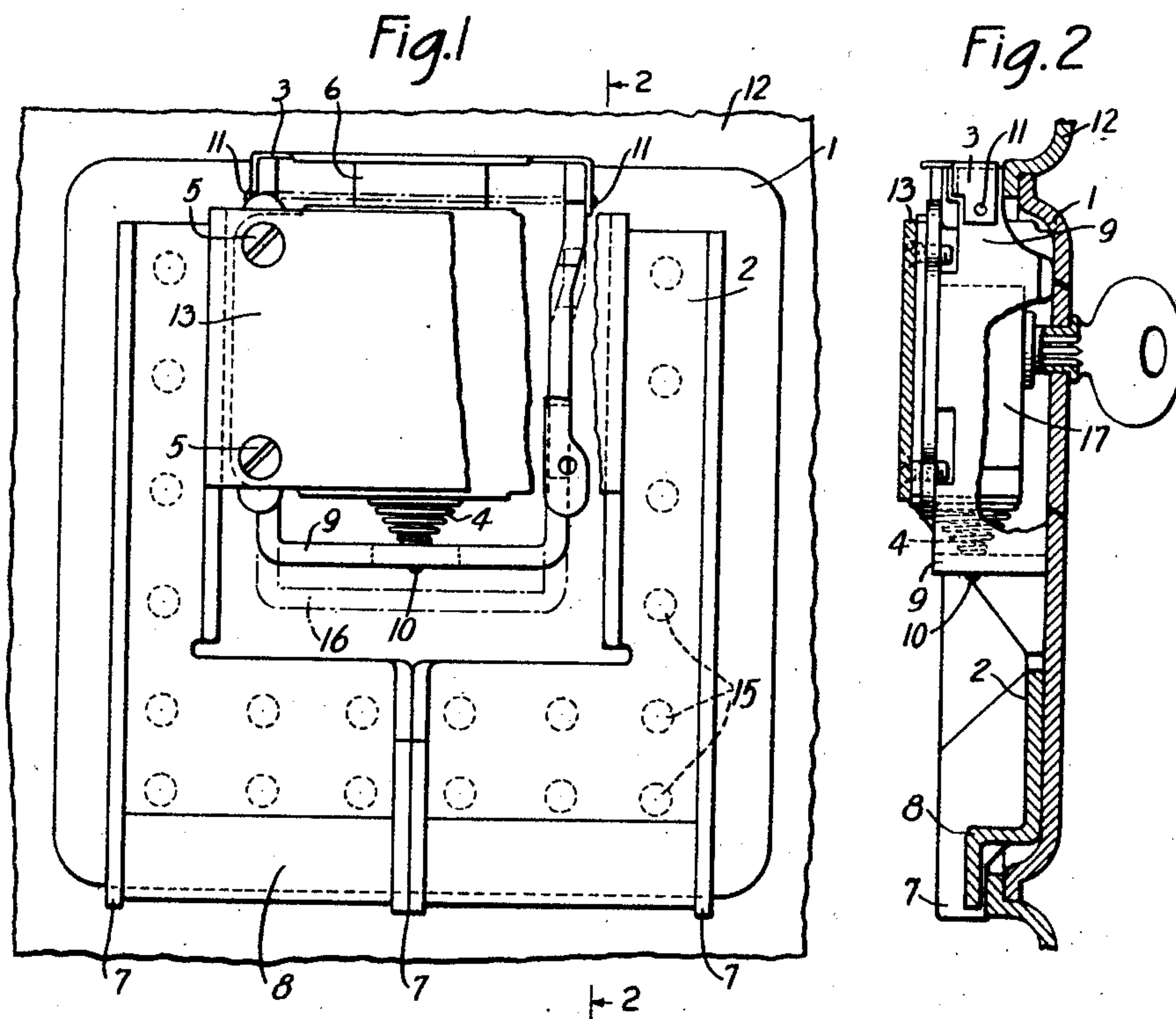
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F. A. HOYT ET AL

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MEANS FOR REENFORCING THE LOCK AND DOOR OF TELEPHONE COIN COLLECTORS

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MEANS FOR REENFORCING THE LOCK AND DOOR OF TELEPHONE COIN COLLECTORS.

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This invention relates to compartments, containers and the like and more particularly to the coin box apparatus for pay station telephone sets.

5 The principal object of this invention is to improve the construction of the locking cover of compartments, containers and the like such as those used with pay station telephone sets.

10 Heretofore it has been the practice not to use hinges for coin box covers but to use an L-shaped lug riveted to the back of the door and extending below the bottom edge of the cover and engaging the bottom edge of the coin compartment for holding the cover in position. The top of the cover has been held in position by the bolt of a lock which engages the upper edge of the coin box compartment. It is apparent that this type of cover might be pried open.

20 According to this invention there is provided a cover having a reenforced L-shaped lug and a device for reenforcing the bolt of the lock. The L-shaped lug is reenforced by fins or vanes at right angles to its face and also by being electrically welded to the back of the cover. The lock is reenforced by a U-shaped frame which is carried upward into engagement with the top of the coin box when the bolt is shot.

30 The device disclosing the invention comprises a cover of the coin box on which is electrically welded a piece of steel having an L-shaped lug at the bottom of the cover which closely engages the lower edge of the coin box opening. This lug is reenforced by means of right angle fins or vanes at its center and the outer edges. The upper part of the piece of steel is formed into a box shape for holding the lock and a U-shaped frame around the lock which is so positioned that it follows the bolt of the lock and engages the top edge of the coin box opening in conjunction with the bolt. This frame is restored to its normal position by means of a spring which draws it back when the lock is released. A more clear conception may be obtained of the objects and the operation of this invention from the following detailed description:

50 Fig. 1 shows a plan view of the coin box cover disclosing the lock cut away and the

U-shaped frame in the operated position and a dotted indication of its position when released.

Fig. 2 is a side view of the cover cut through at 2 of Fig. 1.

Fig. 3 is a top view of the cover with a portion cut away to show the reenforcing plate and the locking mechanism.

The coin compartment cover consists of a square piece of steel 1 the edges of which are turned up and the corners rounded as shown in Figs. 1 and 2. Electrically welded at spots 15 to cover 1 is a piece of strip steel 2 which has its sides and center turned at right angles to the face as shown at 7 of Figs. 1 and 3. These right angle vanes or fins are for reenforcing the L-shaped lug 8 at the bottom of plate 2. The upper center of the piece of steel 2 is bent into a box shape as shown at 13 of Fig. 3. A lock 17 is then placed in this box and held by means of screws 5. Around the outer sides of lock 17 a U-shaped frame of steel 9 is mounted. This frame has a strip 3 of lighter steel mounted across its arms and held by rivets 11. Strip 3 is so mounted that it is in engagement with the bolt 6 of the lock and is held in this position by means of spring 4 which is attached to frame 9 by rivet 10 and is pressed against the bottom of lock 17. When the cover 1 is placed in the coin box compartment the L-shaped lug 8 which projects beyond the bottom of door 1 will engage the bottom of the opening in the coin compartment as shown in Fig. 2. When the bolt of lock 17 is shot the strip 3 carries the U-shaped frame 9 up into the position shown in Figs. 1 and 2 thus forming an auxiliary locking device at the top of the door. When the lock is released the bolt 6 drops back and spring 4 forces the frame 9 down into the position shown by the dotted line 16 in Fig. 1.

When the door is locked in position its lower edge is against the lower outer edge 14 of the coin compartment and the lug 8 is against the lower inner edge. At the top the upper edge of the door is against the upper outer edge 12 of the coin compartment and the bolt and the auxiliary frame 9 are against the upper inner edge as is shown in Fig. 2 thereby guarding against an attempt to pry

the door open. The edges of the coin box compartment have been shaped as shown at 12 and 14 of Fig. 2 in order to protect the edges of cover 1 from the introduction of a prying tool.

What is claimed is:

1. In combination a compartment, a cover having a plate secured thereto and a locking mechanism, said plate being shaped at one end to contain said locking mechanism and having an L-shaped lug formed at the opposite end thereof and reenforced with vanes formed at right angles to its face, said lug arranged to engage the inner face of the compartment when the cover is in engagement with the outer face of said compartment thereby forming a seal.

2. In combination a receptacle, a cover having a steel plate secured thereto, a locking mechanism having a bolt, said plate being shaped at one edge to contain said locking mechanism, and a U-shaped reenforcing device which is raised and lowered in conjunction with said bolt of said locking mechanism.

3. In combination a compartment, a cover having a steel plate secured thereto, a locking mechanism having a bolt, said plate being shaped at one end to contain said locking mechanism, a U-shaped frame around said lock and movable with respect thereto, the bolt of said lock carrying said U-shaped frame upward into engagement with the inner face of an edge of said compartment, said cover being in engagement with the outer face of the opposite edge of said compartment thereby forming a seal.

4. In combination a receptacle, a cover having a steel plate secured thereto, said plate having a reenforced L-shaped lug at one edge thereof and a housing at the opposite edge thereof, a reenforced locking mechanism including a bolt, mounted in said

housing, said mechanism having a U-shaped reenforcing frame which is carried into engagement with the receptacle by the bolt of said mechanism, said lug being so placed that it engages the inner face of one end of said receptacle when said U-shaped frame engages the inner face of the opposite end of said receptacle simultaneously with the outer edge of the engagement of the cover with the outer face of the receptacle thereby forming a seal.

5. In combination, a compartment, a cover having a plate secured thereto, a locking mechanism including a bolt, mounted on said plate, said plate having a housing at one end for said locking mechanism, a U-shaped frame around said locking mechanism and movable with respect thereto, a spring between said lock and said U-shaped frame, said spring serving to carry said U-shaped frame out of engagement with said compartment when the bolt of said locking mechanism is brought out of engagement with said compartment.

6. In combination, a compartment having an opening, a cover to fit said opening, a locking mechanism having a bolt, said cover having a plate secured thereto, said plate being shaped at one end to contain said locking mechanism and at the opposite end to form an L-shaped lug, the remaining two ends being shaped to form two oppositely disposed vanes which extend laterally from said plate in positions adjacent the joint formed by the compartment and the cover, said vanes being reenforced by said L-shaped lug to guard said vanes against laterally applied force.

In witness whereof, we hereunto subscribe our names this 25 day of May A. D., 1926.

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