April 7, 1925. 1,532,245

E. D. KASER

LOCKER LOCK

Filed April 11, 1921

Fig. 1.

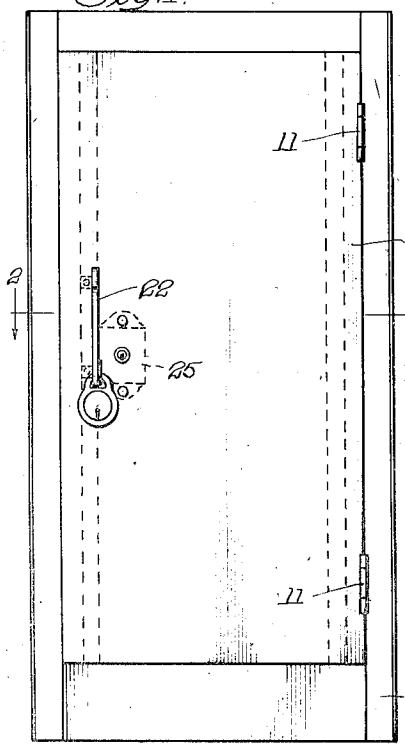


Fig. 3.

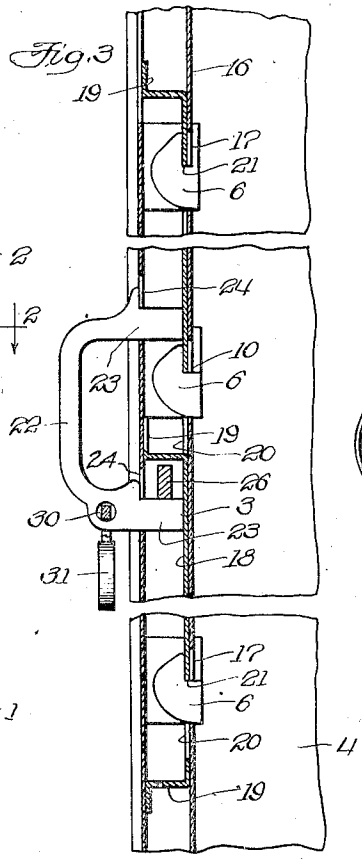


Fig. 4.

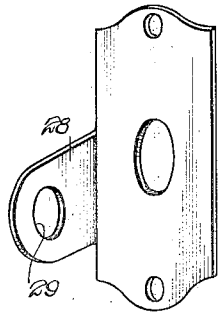


Fig. 2.

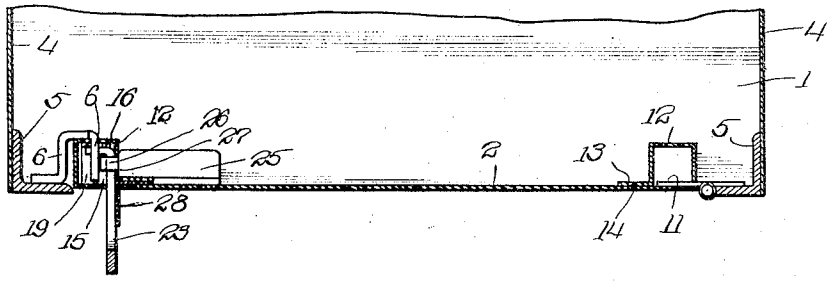
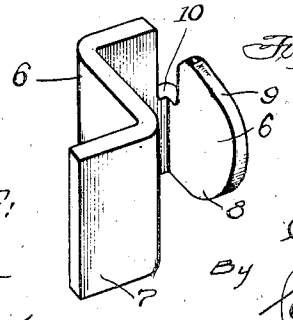


Fig. 5.



Witnesses:
W. C. Olson
Wm. D. Anderson,

Inventor:
Everett Dee Kaser
By Kummler & Kummler,
Attys.

Patented Apr. 7, 1925. 1,532,245

UNITED STATES PATENT OFFICE.

EVERETT DEE KASER, OF AURORA, ILLINOIS, ASSIGNOR TO DURABILT STEEL LOCKER CO., OF AURORA, ILLINOIS, A CORPORATION OF ILLINOIS.

LOCKER LOCK.

Application filed April 11, 1921. Serial No. 460,315.

To all whom it may concern:

Be it known that I, EVERETT DEE KASER, a citizen of the United States of America, and a resident of Aurora, county of Kane, and State of Illinois, have invented certain new and useful Improvements in Locker Locks, of which the following is a specification.

The main objects of this invention are to provide a sheet metal locker of durable and simple construction and having an improved form and arrangement of reinforcing and locking means.

An illustrative embodiment of this invention is shown in the accompanying drawings, in which—

Figure 1 is a front elevation of the locker.

Fig. 2 is a fragmentary horizontal section, taken on the line 2—2 of Figure 1.

Fig. 3 is a fragmentary vertical section, partly broken away, showing the locking mechanism.

Fig. 4 is an enlarged perspective view of the padlock clip.

Fig. 5 is an enlarged perspective view of one of the keepers.

In the form shown the sheet metal locker comprises a body 1, having a hinged door 2, which is locked in its closed position by the improved form of locking mechanism 3.

The body of the locker comprises rear and side walls 4 secured to standards in the form of angle irons 5. Secured to the inner face of one of the front standards, is a plurality of keepers 6, which are arranged to coact with locking mechanism carried by the door as will be hereinafter described. The keepers are each in the form shown in Fig. 5, comprising a supporting arm 7 and a forwardly extending catch 8 having an inclined approach 9 and a locking depression 10. Secured to the other front standard are hinges 11 which carry the door 2.

The hinged door is also made of sheet metal which is bent along the edges to form tubular reinforcements 12 arranged on the inside of the door. The inner walls of the tubular reinforcements are bent to form flanges 13, which are preferably spot-welded to the door as shown at 14. The reinforcement which is located adjacent the keepers 6 forms a housing 15 for the locking mechanism and the reinforcement at the opposite side of the door forms a housing for the hinges 11.

Formed in the rear wall 16 of the housing 15 are apertures 17 which are arranged to receive the forwardly extending catches 8 of the keepers. Located in the housing 15 is a gravity operated vertically shiftable locking bar 18, having a plurality of spaced fingers 19 slidably engaging the front wall of the housing and arranged to hold the bar in sliding engagement with the rear wall 16. Formed in the locking bar are slots 20 which are arranged to receive the catches 8 of the keepers. The upper edges of the slots 20 form shoulders 21 which are adapted to ride upon the inclined approaches 9 and coact with the depressions 10 for securing the parts in interlocking relation. Secured to the bar 18 is a handle 22 having arms 23 which extend through slots 24 formed in the door. The slots 24 are arranged to permit vertical movement of the handle for lifting the locking bar out of interlocking relation with the keepers.

Secured to the door adjacent the housing 15 is a lock 25 having a key actuated bolt 26. The locking bolt is shiftable through an opening 27 in the adjacent wall of the housing 15 for engaging the lower arm 23 of the handle to secure the handle and locking bar against vertical movement.

As additional means for locking the handle against movement, there is provided a clip 28 which is secured between the lock 25 and the door. The clip extends through one of the slots 24 and has an aperture 29 located in alinement with a corresponding aperture 30 formed in the lower arm 23 of the handle. When the handle occupies its lowermost position the apertures 29 and 30 permit the insertion of the shackle of a padlock 31.

In operation, the latch bar 18 is normally held by gravity in its lowermost position. When the door swings shut, the shoulders 21 ride over the inclined approaches 9 of the keepers and drop into the locking depressions 10. To open the door the handle is raised to disengage the latch bar from the keepers.

Although but one specific embodiment of this invention has been herein shown and described it will be understood that numerous details of the construction shown may be altered or omitted without departing from the spirit of this invention as defined by the following claims.

I claim:

1. A locker comprising a body having a hinged door, a tubular reinforcement extending along one edge of said door and arranged to form a housing, a keeper mounted on said body and arranged to extend into said housing when the door occupies its closed position, and locking mechanism located in said tubular reinforcement and arranged for interlocking engagement with said keeper.

2. A locker comprising a body having a hinged door, a tubular reinforcement extending along one edge of said door and arranged to form a housing, a keeper mounted on said body and arranged to extend into said housing when the door occupies its closed position, and a vertically shiftable locking bar located in said tubular reinforcement and arranged for interlocking engagement with said keeper.

3. A locker comprising a body having a hinged door, a tubular reinforcement extending along one edge of said door and arranged to form a housing, a vertically shiftable locking bar located in said housing and engaging one of the side walls thereof, said bar having a plurality of spaced fingers arranged to slidably engage the opposite wall of said housing, and a keeper carried by said body and arranged for interlocking engagement with said bar when the door occupies its closed position.

4. A locker comprising a body having a hinged door, a tubular reinforcement extending along one edge of said door and arranged to form a housing, a vertically shiftable locking bar located in said housing and engaging the rear wall thereof, said bar having a plurality of spaced fingers arranged to slidably engage the front wall of said housing, a keeper secured to said body and arranged to extend through an aperture formed in said rear wall for interlocking engagement with said bar, and a handle carried by said locking bar and extending through a slot formed in said door.

5. A locker comprising a body having a hinged door, a tubular reinforcement extending along one edge of said door and arranged to form a housing, a vertically shiftable locking bar located in said housing and engaging the rear wall thereof, said bar having a plurality of spaced fingers arranged to slidably engage the front wall of said housing, a plurality of keepers secured to said body and arranged to extend through apertures formed in said rear wall when the door occupies its closed position, coacting shoulders on said bar and keepers, a handle carried by said locking bar and extending through a slot in said door, and a key actuated bolt carried by said door and arranged to be shifted into engagement with said handle for securing said locking bar against vertical movement.

Signed at Chicago this sixth day of April, 1921.

EVERETT DEE KASER.