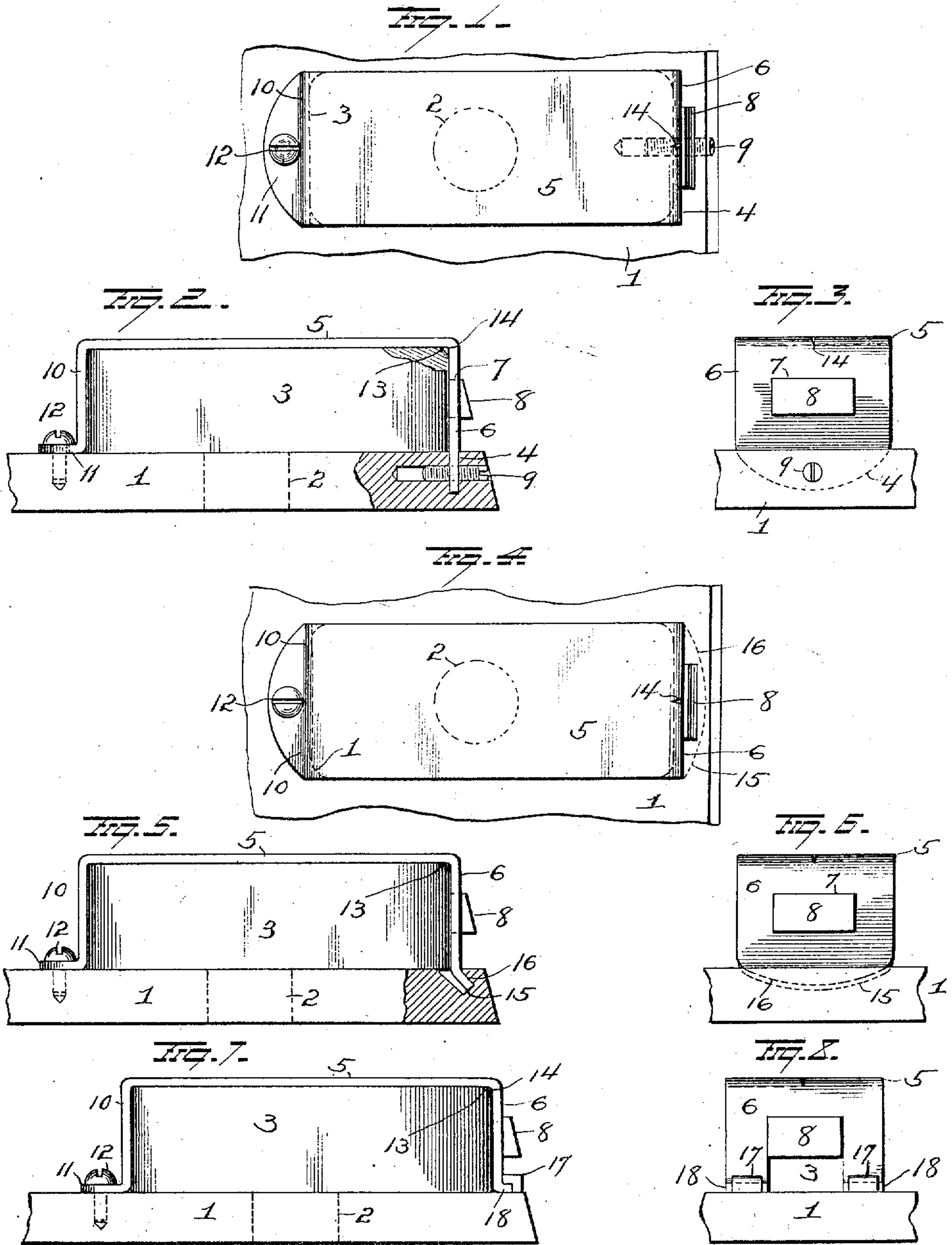


W. H. TAYLOR.
MEANS FOR SECURING LOCKS TO DOORS.
APPLICATION FILED JUNE 4, 1910.

967,858.

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WITNESSES

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MEANS FOR SECURING LOCKS TO DOORS.

967,858.

Specification of Letters Patent. Patented Aug. 16, 1910.

Application filed June 4, 1910. Serial No. 565,125.

To all whom it may concern:

Be it known that I, WARREN H. TAYLOR, of Stamford, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Means for Securing Locks to Doors; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to an improvement in means for securing locks to doors and particularly to the doors of safe deposit boxes.

It is customary, when a safe deposit box is surrendered by the renter thereof, for the custodian of the boxes to replace the lock with a lock having a different combination, for preventing the box from being opened by a key used with the old or former lock.

Heretofore locks have been secured to the doors of the boxes by means of screws passing through the lock case and into the door, and one of the difficulties experienced by the safe deposit companies in removing a lock and replacing it with another, is the fact that the locks which were applied by the safe maker at the time the boxes were erected, were more or less adjusted each to its individual door, hence it frequently happens that the screw holes in the lock cases do not perfectly aline with the holes in the door, so that in screwing the lock down tight the screws will draw the nose or key cylinder of the lock to one side and thus bind or strain the key hub or the lock bolt and prevent or impair the operation of the lock.

The object of this invention is to provide means whereby the locks may be readily, easily and quickly exchanged without the employment of screws or other fastening devices passing through the lock case, and my invention consists in the parts and combinations of parts as will be more fully described and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in elevation of the rear face of a door showing the lock secured thereto. Fig. 2 is a view in side elevation, part of the door being broken away. Fig. 3 is a view in end elevation. Figs. 4, 5 and 6 are similar views of a modified form and Figs. 7 and 8 are views of another modification.

1 represents the door of a safe deposit box or other receptacle provided with a cylindrical hole through same for the passage of

the nose or key cylinder 2 of the lock 3, the said nose or key cylinder being as long as the door is thick, so that when the lock 3 is applied to the rear face of the door, the front end of the nose or key cylinder will be approximately flush with the outer surface of the door.

The door is provided on its rear face, near its outer free edge with a groove 4 adapted to receive one end of the steel or other metal strap 5. This strap is preferably as wide as the lock case, and is bent at its two ends to overlap and snugly fit the front and rear ends of the lock case. The bent front end 6 of this strap 5 is slotted as at 7 for the passage of the bolt 8 of the lock 3, and the portion thereof within the groove 4 in the rear face of the door, is provided with a screw hole for the passage of the screw 9, which is passed through the edge of the door, and is consequently concealed when the door is closed. The rear bent end 10 of strap 5 is bent at right angles as at 11 to rest against the rear face of the door and is provided with a screw hole for the passage of a screw 12 into the door, the hole in the end 11 of the strap being sufficiently large to permit the screw to be screwed home without imparting any lateral strains to the strap.

The strap is preferably so constructed that some pressure is required to seat the end 11 thereof against the door, hence when secured, it closely and snugly embraces the lock with a yielding pressure and holds the same solidly in position, the bolt, and nose or key cylinder of the lock, preventing any lateral movement in the pocket formed by the strap. The front end of the lock is preferably provided with a notch 13 and the strap with a rib 14, adapted to register with said notch for centering or properly alining the lock.

To apply the lock to a door, the strap is first placed in position over the lock, with the bolt 8 projecting through the slot 7 in the front bent end 6 of the strap 5, after which the nose or key cylinder 2 is inserted in the hole in the door, and the lock with the strap therein, then pushed or forced against the door. The hole in the door and the nose or cylinder of the lock, locate the latter definitely without any pressure whatsoever except directly toward the door. This inward movement of the lock and strap, carries the bent end 6 of the latter into the groove in

the rear face of the door and it is secured therein by the screw 9. After the strap has been secured at its front end, its rear bent end 11 is forced into contact with the rear face of the door and secured by the screw 12.

To remove a lock the screw 12 is first removed, then screw 9, which releases the lock and strap and permits the lock to be detached from the strap.

In the construction shown in Figs. 4, 5 and 6, I have provided the inner face of the door with an undercut groove 15 and the front end of the strap with an inclined lip 16 adapted to engage the inclined wall of the undercut groove, and be retained in contact therewith without the aid of a screw, and in Figs. 7 and 8 I have provided grooved lugs 17 projecting from the inner face of the door, which are engaged by outwardly projecting toes 18 at the front end 6 of the strap.

It is evident that various other forms of straps and attaching devices for same may be used, hence I would have it understood that I do not wish to confine myself to the exact construction and arrangement of parts shown and described, but

Having fully described my invention what I claim as new and desire to secure by Letters-Patent, is:—

1. A fastener for locks comprising a strap embracing the two ends and rear face of the lock and provided at one end with a slot for the passage of the lock bolt, and means for securing the two ends of the strap to the rear face of a door.

2. The combination with a door having a hole through same and a lock having a nose

or key cylinder adapted to rest in said hole, of a strap embracing the rear face and two ends of the lock and secured at both ends to the rear face of the door.

3. The combination with a door having a hole through same and a lock having a nose or key cylinder adapted to rest in said hole, of a strap embracing the rear face and two ends of the lock and secured at both ends to the rear face of the door, the said strap having a slot for the passage of the bolt.

4. The combination with a door having a groove in rear face and a hole extending through the door and a lock having a nose or key cylinder adapted to rest in said hole, of a strap embracing the two ends and rear face of the lock, the front end of said strap resting in the groove in the door and a screw securing the rear end of said strap to the door.

5. The combination with a door having a groove in its rear face, and a hole extending through the door, and a lock having a nose or key cylinder resting in said hole, of an elastic strap embracing the two ends and rear face of the lock, the front end of said strap being secured within the groove in the door by a screw, and means securing the rear end of the strap to the door.

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

WARREN H. TAYLOR.

Witnesses:

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STEPHEN A. SMITH.