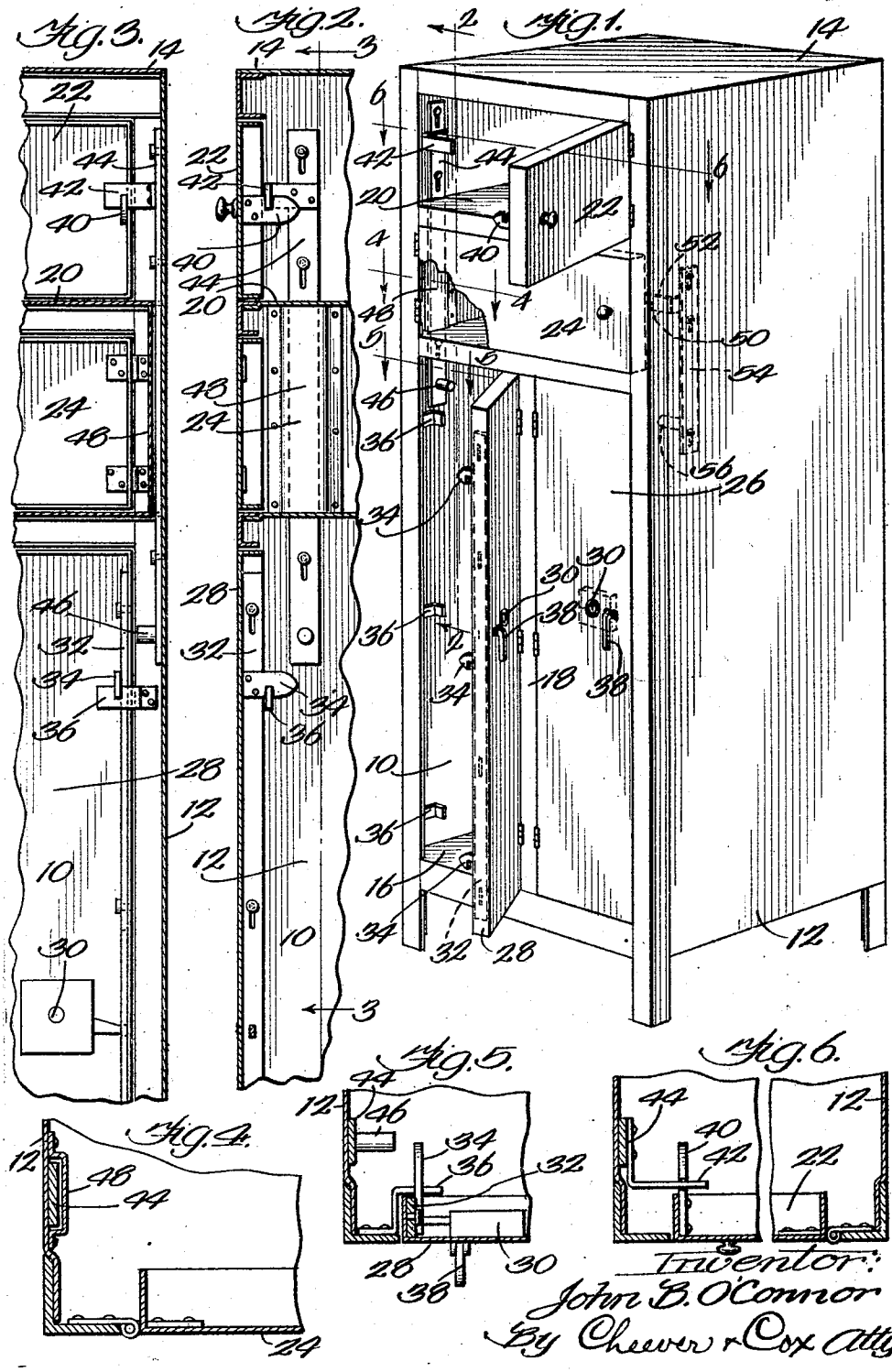
Nov. 16, 1926. 1,607,099

J. B. O'CONNOR

LOCKER

Filed Dec. 5, 1924 2 Sheets-Sheet 1



Nov. 16, 1926. 1,607,099

J. B. O'CONNOR

LOCKER

Filed Dec. 5, 1924 2 Sheets-Sheet 2

Fig. 8.

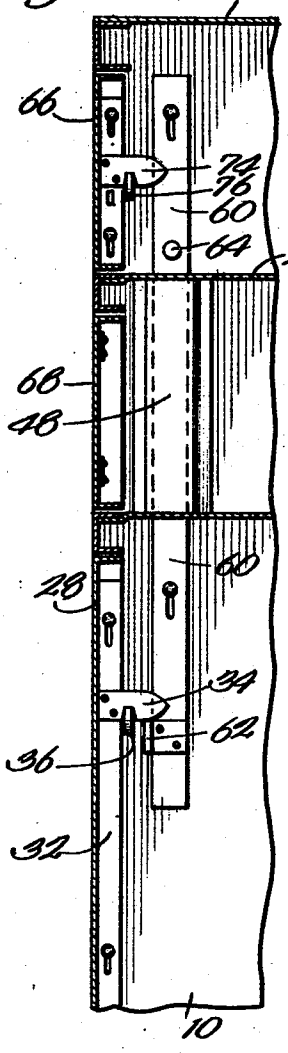


Fig. 7.

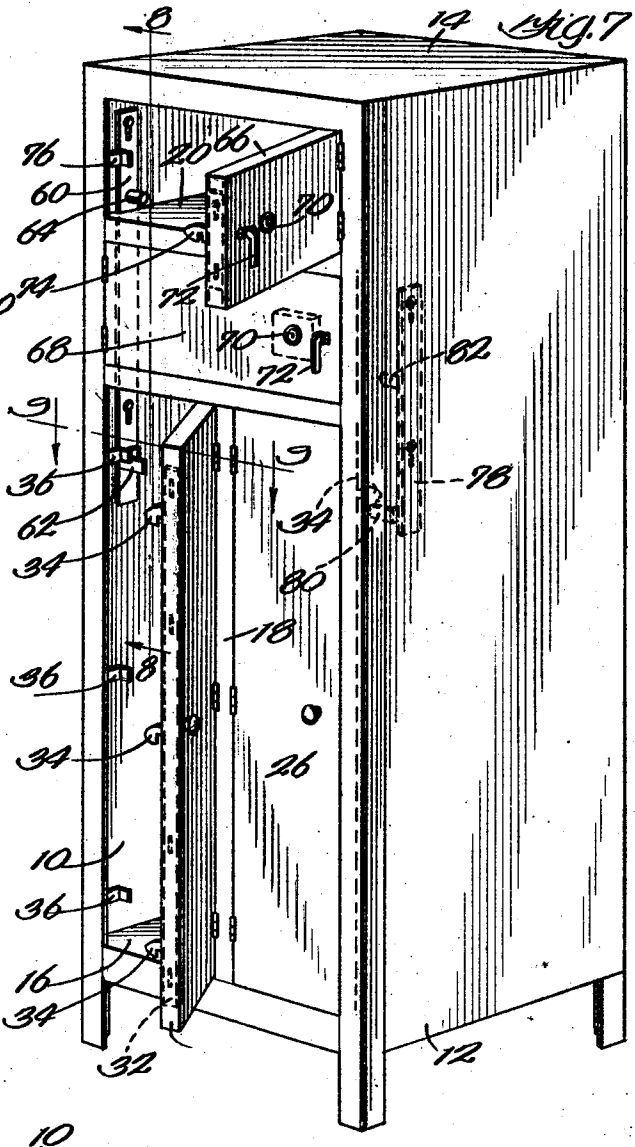
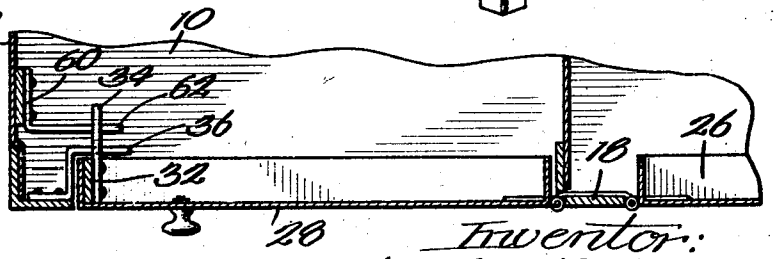


Fig. 9.



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Patented Nov. 16, 1926. 1,607,099

UNITED STATES PATENT OFFICE.

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LOCKER.

Application filed December 5, 1924. Serial No. 754,052.

My invention relates to lockers, particularly of a type having two pairs of compartments, one compartment of each pair being narrow and vertically arranged and the other being wider and arranged at the ends of the narrow compartments. In carrying out my invention in the form illustrated there are two of the wide compartments arranged above the narrow compartments and the doors of the narrow compartments are provided with locks whereas the doors of the wide compartments are provided with latches and these latches are accessible only after the companion vertical door has been unlocked and opened. By this means only one lock is necessary for a pair of doors, the other door having simply a latch which is accessible only from the interior of the vertical compartment belonging to the same pair of compartments. As a result of my invention the occupant of one-half of the locker can control both doors of his portion and yet need carry only one key. Also the doors of his portion of the locker are operable independently and, if desired, the latching door may be left latched when the locking door is unlocked.

It is not essential which door of a pair is controlled by the lock and which by the latch. I have shown one form in which the lock is on the door of the vertical compartment and another form in which it is on the door of the horizontal compartment. In either form the latch is operable by means which extend into and are accessible only from the inside of the other compartment of the pair.

In the form illustrated the latches are operated by vertically movable latch bars, one for each latch, one of the latch bars passing through the horizontal compartment which is closest to the vertical compartments. One of the objects of my invention is to provide means for preventing access to this latch bar from within the horizontal compartment through which it passes. The object of my invention is to provide a locker having one or more of the foregoing characteristics.

I accomplish my object by the mechanism illustrated in the accompanying drawings in which—

Figure 1 is a perspective view of a complete locker, two of the doors being open and one partially broken away to better reveal the internal construction.

Figure 2 is a vertical sectional view on the line 2—2 Figure 1.

Figure 3 is a vertical section on the line 3—3 Figure 2.

Figure 4 is a plan section on the line 4—4 Figure 1.

Figure 5 is a plan section on the line 5—5 Figure 1.

Figure 6 is a plan section on the line 6—6 Figure 1.

Figure 7 is a perspective view similar to Figure 1 but showing the key locks on the doors of the horizontal or coat compartments.

Figure 8 is a vertical section on the line 8—8 Figure 7.

Figure 9 is a plan section on the line 9—9 Figure 7.

Like numerals denote like parts throughout the several views.

Referring first to the form shown in Figures 1 to 6, the locker has two side walls 10, 12, a top 14, and bottom 16. It also has a back wall, which is not illustrated in the drawings. The lower portion of the space within the outer walls is divided by a central partition 18 into two vertical compartments which are specially adapted for containing coats, umbrellas and the like. The upper portion of the locker has a horizontal partition 20 which forms two horizontal compartments arranged one above the other and occupying the full width of the locker. These are especially adapted to contain hats, lunch boxes, tools and the like, and for identification may be referred to as horizontal or "hat" compartments. The upper hat compartment has a door 22 hinged to one of the side walls and the other has a door 24 hinged to the opposite side wall. The vertical or coat compartments are provided with doors 26 and 28 which are hinged to the center partition 18.

The doors of the vertical compartments are provided with locks 30 which may be key-operated or may be combination locks. For simplicity they will be referred to as key-operated locks, although it will be understood that the term is used broadly enough to include either type. These locks

control door-locking devices which may assume various forms. In the illustrated forms a vertically movable locking bar 32 is mounted within the door and is provided with hooks 34 for engaging keepers 36. Bar 32 is controlled by a handle 38.

The uppermost door 22 has a hook 40 adapted to be engaged by an arm or latch 42 mounted upon a vertically slidable latch bar 44 located within the locker. This latch bar is here shown as mounted on the inside of the side wall 10 of the locker. It extends down through the lower horizontal compartment into the vertical compartment beneath where it is provided with a handle 46 by which it may be lifted to release the door 22. This latch bar is gravity-operated and hence unless it is lifted will hold the door 22 fastened in closed position. This latch bar is not accessible from the lower horizontal compartment, being enclosed within a guard plate or sheath 48 which extends from top to bottom of the lower horizontal compartment and is spot-welded, riveted or otherwise permanently fastened to the inside of the side wall 10 in position to cover the latch bar and at the same time prevent free vertical movement of the latter.

The door 24 of the lower horizontal compartment is similarly controlled having a hook 50 adapted to be engaged by an arm or latch 52 extending on a latch bar 54. Said bar is vertically movable on the inner side of the locker wall 12 and extends down into the vertical compartment beneath where it is provided with a handle 56 by which it may be raised to release the door.

In practice the locker will have two occupants and each will have a coat compartment and a hat compartment. The coat compartment will have a locking door and the hat compartment a latching door controlled from a point within the coat compartment, thus dispensing with the need of more than one lock. At the same time the occupant of one locker will be protected against entry to either of his compartments either by the occupant of the other pair of compartments or by any unauthorized person. Thus each occupant is protected and has access to two conveniently shaped compartments and yet need provide himself with but a single key or combination.

In Figures 7 to 9 of the drawings a modification is shown in which the hat compartment doors are provided with the locks and the coat compartment doors are provided with the latches. In this instance a latch bar 60, which corresponds to latch bar 44, is provided with an arm 62 which underlies one of the hooks 34 and hence in rising releases the coat compartment door 28. This latch bar instead of having a handle in the coat compartment is provided with a handle 64 located in the corresponding hat compartment with the result that the coat compartment door is controllable from the inside of the hat compartment. A casing or guard 48 prevents access to the latch bar from the lower hat compartment in the same way as before.

The upper and lower hat compartment doors 66 and 68 respectively are controlled by locks 70. They are provided with handles 72, which are controlled by the locks, and the handles in turn operate hooks 74 which cooperate with keepers 76 mounted within the respective compartments. The lower coat compartment door is controlled by a latch bar 78 which is vertically movable upon the locker wall 12 and has an arm 80 underlying one of the hooks 34 for raising the latter to release the coat compartment door. This latch bar is provided with a handle 82 which projects into the lower hat compartment. Thus this modified form possesses the same advantages as the one first described and affords the manufacturer a choice of design without requiring any substantial changes in construction.

Having thus described my invention what I claim as new and desire to secure by Letters Patent is:

1. A locker having its compartments arranged in two pairs, each pair consisting of a vertical compartment and a horizontal compartment, each having a hinged door, the vertical compartments being arranged side by side, and the horizontal compartments being located one above the other at one end of the vertical compartments, and being of the aggregate width of said vertical compartments, one door of each pair of compartments having a lock carried by it, and the other door of the pair having a latch, a latch bar for each latch, and a handle for each latch bar, one latch bar running past one of the horizontal compartments, and means for preventing access to the last mentioned latch bar from either of the other pair of compartments.

2. A locker having its compartments arranged in pairs, each pair consisting of a vertical compartment and a horizontal compartment, the vertical compartments being arranged side by side, and the horizontal compartments being arranged one above the other at the same end of the vertical compartments whereby one of the horizontal compartments intervenes between the remoter horizontal compartment and the vertical compartments, all of the compartments having hinged doors, one of the doors of a pair of compartments having a latch and the other a lock, a latch bar for each latch, each latch bar being operable from the compartment of the same pair having the lock door, one of said latch bars passing through the horizontal compartment lying nearer to the

vertical compartments, and a guard in the last mentioned horizontal compartment for preventing access to said latch bar.

3. A locker having two narrow coat compartments arranged vertically side by side, two wider hat compartments arranged horizontally above the coat compartments, one above the other, a hinged door for each of said compartments, a lock for each of the coat compartment doors, a latch for each of the hat compartment doors, a latch bar for each of said latches, each latch bar extending into and accessible from within one of the coat compartments, the latch bar for controlling the uppermost latch passing through the lower hat compartment, and means in the lower hat compartment for preventing access to the last mentioned latch bar.

4. A locker having two narrow coat compartments arranged vertically side by side and separated by a central partition, two wider hat compartments arranged horizontally above the coat compartment, one above the other, a hinged door for each of said compartments, the doors of the coat compartments being hinged to said central partition and the doors of the coat compartments being hinged to opposite outer side walls of the coat compartments, a lock for each of the coat compartment doors, a latch for each of the hat compartment doors, and a latch bar adjacent to the outer side walls of the locker for each latch, each latch bar having a handle located within a coat compartment, and the latch bar for the uppermost latch passing through the lower hat compartment and having a guard in the lower hat compartment for preventing access to said bar.

In witness whereof, I have hereunto subscribed my name.

JOHN B. O'CONNOR.