Dec. 18, 1928. 1,695,896

B. M. HOLDEN

DRAWER FASTENER

Filed April 15, 1927

Fig. 1.

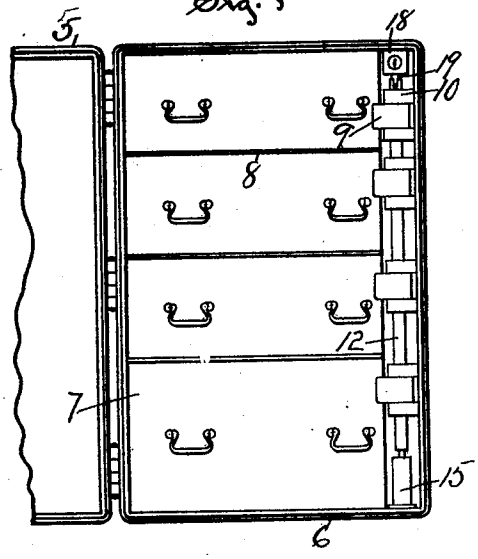


Fig. 2.

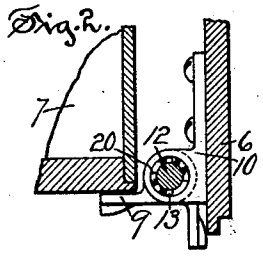


Fig. 3.

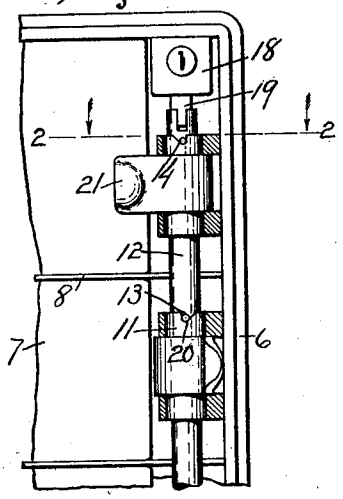
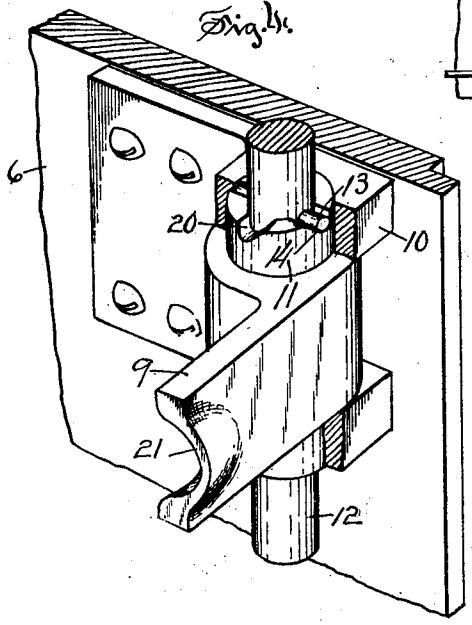
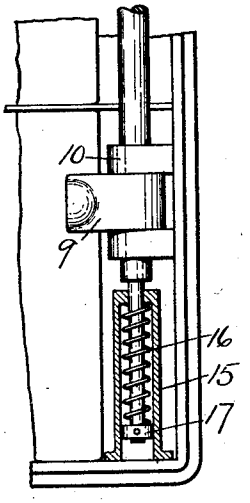


Fig. 4.





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UNITED STATES PATENT OFFICE.

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DRAWER FASTENER.

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My invention relates to the class of fasteners that are employed more especially to lock the drawers of so-called "wardrobe trunks" in closed positions, and an object of my invention, among others, is the provision of a fastener that, while permanently secured to the trunk, is at the same time so located and arranged as to be readily accessible for use to lock different drawers and yet not be in the way when not serving its function as a lock.

One form of a fastener embodying my invention and in the construction and use of which the objects herein set out, as well as others, may be attained, is illustrated in the accompanying drawings, in which—

Figure 1 is a view of a portion of a wardrobe trunk, shown as open, and with my improved fastener applied thereto in position for securing the drawers.

Figure 2 is a view, scale enlarged, in horizontal section through one front corner of the trunk on a plane denoted by the dotted line 2—2 of Figure 3.

Figure 3 is a front view, partially in section, of a portion of one side of the trunk illustrating the mounting of the locking bar, the central part being broken out.

Figure 4 is an isometric view, scale still further enlarged, illustrating the construction of the locking bar and the locking stops.

In the accompanying drawings the numeral 5 indicates one section of a wardrobe trunk, and 6 another section thereof, secured thereto in the usual manner by means of hinges, my improved fastener being shown as applied to the section or case 6 that contains drawers 7 secured by my improved fastening means. Drawer supports 8 are secured to the inner surface of the section 6 at proper intervals apart to support the drawers for sliding movement in a manner common to structures of this class. In adapting my improved fastening mechanism I provide a drawer stop 9 for each drawer, each of which stops may function to lock or release its drawer, in the construction herein shown these stops being pivotally mounted to be swung into the path of sliding movement of the drawers and to be locked in these positions. The stops 9 have hubs projecting from opposite sides, each of said hubs having a bearing in a block 10. These bearing blocks are secured in pairs to one side of the section 6 and project inwardly therefrom, and a locking bar 12 extends through openings in the hubs 11 and substantially from the top to the bottom of the case. Locking pins 13 project from the side of the bar in position to engage in locking notches 14 formed in the ends of hubs 11, and as shown in Figure 4.

The lower end of the bar 12 projects into a spring case 15 on the bottom end of the section 6, a spring 16 in said case thrusting against a collar 17 on the bar to force the latter downwardly. A lock 18 is secured to the inner surface of the case, preferably at the top thereof, and has a locking bolt 19 adapted to engage the upper end of the bar 12 and prevent the latter from movement to unlock the stops 9. In the construction herein shown the locking bolt 19 when projected from the case 18 extends into a notch in the end of the bar 12, and as shown in Figure 3 of the drawings, to lock said bar or retainer in place.

In order to permit the locking bar 12 to be secured in its locked or lowermost position when some of the stops are in their unlocked positions, releasing notches 20 are formed in the ends of hubs 11 preferably at an angle of ninety degrees from the notches 14.

The operation of the device will be readily understood. The drawers all being locked, as shown in Figure 1, withdrawal of the bolt 19, as by means of a key applied to the lock 18 will release the bar 12, and any or all of the stops 9 may now be swung to their open or unlocked positions thereby releasing the drawers. The notches 14 and 20 are beveled on one side to permit movement of the stops 9, the pins 13 riding up the beveled edge as the stops are moved to their open or to their closed positions, the bar 12 moving upwardly in this operation and again moving downwardly under the influence of the spring 16 when the notches are brought opposite the pins 14.

If it be desired to lock one or more of the drawers while leaving others unlocked the stop appurtenant to the drawer to be locked will be swung to its locked or closed position, the bar 12 yielding to permit this movement. Said bar may now be locked by the bolt 19 thus securing the drawer or drawers desired to be locked and leaving the others free for access.

Lips 21 are formed on the end of the stops 9 providing finger recesses by means of which the stops may be readily moved from their locked positions.

In accordance with the provisions of the patent statutes I have described the principles of operation of my invention, together with the device which I now consider to represent the best embodiment thereof; but I desire to have it understood that the device shown is only illustrative and that the invention may be carried out by other means and applied to uses other than those above set out.

I claim—

1. A case having a plurality of drawers therein, a retainer, locking members supported by said retainer and movable independently thereof to lock and unlock said drawers, and a connection between said retainer and each of said locking members, said connection having means to independently secure any desired number of the locking members in closed position and blocking movement thereof while permitting the other locking members to be in their open positions.

2. A case having a plurality of drawers therein, a locking member for each drawer, a retainer for all of said locking members and upon which each locking member is pivotally mounted, means for supporting said retainer to permit endwise movement thereof, and a connection between said retainer and each of said locking members arranged to independently secure said locking members in their open or closed positions and to release them from said positions by endwise movement of said retainer.

3. A case having a plurality of drawers therein, a locking member for each drawer, a retaining member for all of said locking members and upon which each of said locking members is pivotally mounted, and an interengaging pin and notch upon said locking and retaining members arranged to independently secure any desired number of said locking members in their closed or open positions.

4. A case having a plurality of drawers therein, cooperating members including a locking member for each drawer and a longitudinally movable retainer member for all of said locking members and upon which retainer member each of said locking members is pivotally mounted, and an interengaging pin and notch connection between said cooperating members to independently secure or release either of said locking members in or from their open or closed positions by endwise movement of said retainer.

5. A case having a plurality of drawers therein, a locking member for each drawer, a hub on each locking member, a bearing block to rotatably support a hub on each locking member, a longitudinally movable retainer member extending through all of said hubs, and a pin and notch connection between said members arranged to independently secure any locking member in a closed or open position.

6. A case having a plurality of drawers therein, a retainer, locking members supported by said retainer and movable independently thereof to lock and unlock said drawers, a connection between said retainer and each of said members arranged to independently secure any one locking member in its closed position and block movement thereof while permitting other locking members to be in their open position, and means for locking said retainer against movement to secure said locking members.

7. A case having a plurality of pockets therein with a closure for each, a retainer, locking members supported by said retainer and movable independently thereof to lock and unlock said drawers, and a connection between said retainer and each of said locking members arranged to independently secure any one locking member in its closed position and block movement thereof while permitting other locking members to be in their open position.

8. A case having a plurality of pockets therein with a closure for each, a locking member for each closure, a longitudinally movable retainer for all of said locking members and upon which each locking member is pivotally mounted, means for supporting said retainer to permit endwise movement thereof, and a connection between said retainer and each of said locking members arranged to independently secure said locking members in their open or closed positions and to release them from said positions by endwise movement of said retainer.

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