Jan. 11, 1927. 1,613,732

M. STOCKOV

WARDROBE TRUNK

Filed Sept. 9, 1925

Fig. 1.

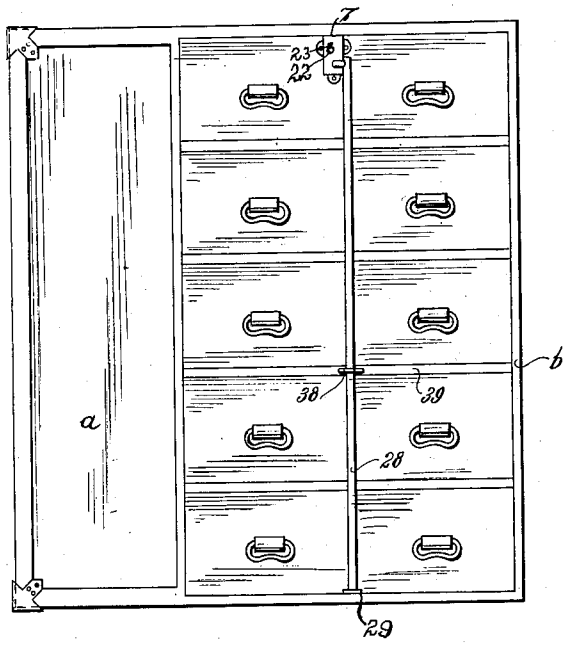


Fig. 2.

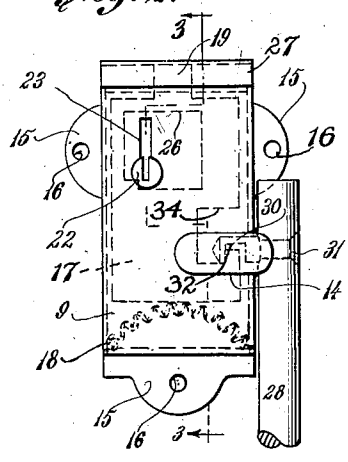


Fig. 3.

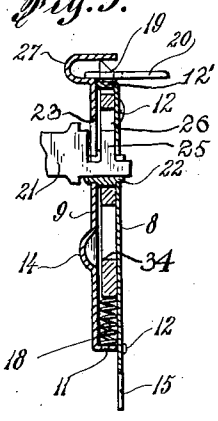


Fig. 4.

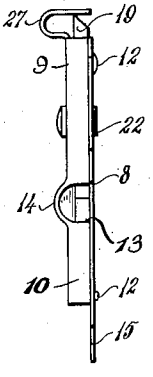


Fig. 5.

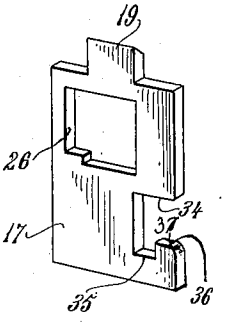
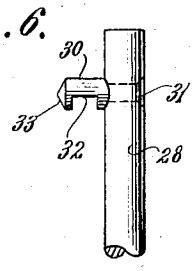


Fig. 6.



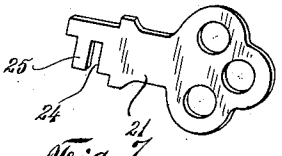
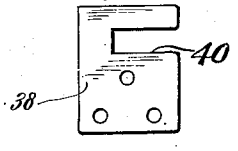


Fig. 7.

Fig. 8.



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Patented Jan. 11, 1927. 1,613,732

UNITED STATES PATENT OFFICE.

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WARDROBE TRUNK.

Application filed September 9, 1925. Serial No. 55,231.

This invention relates to wardrobe trunks arranged with a tier of drawers, and relates particularly to means to releasably retain the drawers in closed position, and it is the object of the invention to provide improved means for this purpose which is simple in construction and operation and effective in keeping the drawers closed to withstand the hard uses to which a wardrobe trunk is subjected, and that is readily releasable when it is desired to open the drawers.

In carrying out the invention I secure a lock to an end drawer, said lock having a key operated bolt to co-operate with a keeper fixed to the trunk wall to retain said drawer in closed position. A rod is releasably engaged in a part fixed to the trunk wall opposite to that to which the keeper for the lock bolt is carried, said rod being adapted to extend transversely of the drawers and releasably retained in such position to maintain the drawers closed by engaging a portion extending from the rod in an opening in the lock casing, and adapted to be releasably engaged by the lock bolt to retain it in such position and released when the lock bolt is actuated by the key to move it to unlocking position.

In the drawing accompanying and forming a part of this specification, Figure 1 is an elevational view of a wardrobe trunk showing the same in open position and arranged with a series of drawers and an embodiment of my improved locking means applied thereto.

Figure 2 is a front elevation, on an enlarged scale, of a key operated lock forming a part of my improved locking means and showing a part of the drawer retaining rod in operative relation thereto, and showing in dotted lines the position of the lock bolt when the locking means is in drawer locking position.

Figure 3 is a sectional side elevation of the lock taken on the line 3—3 of Figure 2 looking in the direction of the arrow.

Figure 4 is a side elevation of the lock looking at the right of Figure 2.

Figure 5 is a perspective view of the lock bolt.

Figure 6 is an elevational view of the upper end of the locking rod.

Figure 7 is a elevational view of a key for use in connection with lock shown in Figure 2.

Figure 8 is a plan view of a rod engaging member adapted to be secured to a parting strip intermediate the drawers.

Similar characters of reference designate like parts throughout the different views of the drawing.

I have shown an embodiment of the invention in the drawing in connection with a trunk commonly termed a "wardrobe trunk" comprising a pair of hingedly connected sections *a* and *b*, the section *b* being provided with a tier of drawers arranged in superposed relation to have inward and outward sliding movement.

I have shown an embodiment of my invention in connection with a trunk of this character to retain or lock the drawers in closed position and comprising a key operated lock, the bolt or latch of which is adapted to co-operate with a fixed keeper to retain one of the end drawers in closed position. In the present instance this lock is attached to the top drawer, as shown at 7 in Figure 1. This lock as shown in Figures 2 to 4, inclusive, comprises a pair of plates 8 and 9, the opposite side portions and one end of plate 9 are flanged to extend at right angles to the body of the plate, as shown at 10 and 11 in Figure 3 to lie in abutting relation to the plate 8 and space the plates from each other, and secured in such position by engaging nibs or tongues formed on the longitudinal edge of the plate flanges 10 and 11 in perforations in plate 8 and peening or riveting over the portions of the nibs extending beyond the surface of plate 8, as at 12 in Figure 3. The plate 8 is flanged at one end in a direction toward plate 9, as at 12′, with a portion intermediate the end of the flange cut away to provide an opening for a purpose hereinafter described. One side flange of plate 9 has a cut away portion and when the plates are secured together forming an opening 13 in the lock casing, the plate 9 at said opening being slightly bulged outwardly as at 14. The plate 8 is arranged with laterally extending ears 15 having perforations 16 for the engagement of securing means, such as screws or the like.

A locking bolt or latch comprising a plate 17 shown in Figure 5 and in dotted lines in Figure 2 is slidably mounted in the space between the plates 8, 9 and normally urged by a spring 18 confined between the bolt

and end flange 11 of casing plate 9, in a direction toward and into engagement with the flange 12′ of plate 8 with a projection or tongue 19 on the plate 17, having one face beveled, as shown in Figure 3 projected through the opening arranged intermediate the ends of plate flange 12′, as shown in dotted lines in Figure 2. This plate tongue 19 is adapted to be engaged in an opening in a keeper plate 20 fixed to the wall of the upper wall of the trunk as viewed in Figure 1. As the drawer is closed the beveled face of the tongue 19 engaging the end of the keeper 20 will force the plate 17 against the tension of the spring 18 in a direction to move the tongue into the casing, and as the tongue comes opposite the keeper opening the tongue will be engaged in said opening through the action of spring 18.

To move the bolt tongue 19 out of engagement with the keeper to permit the drawer to be moved outward a suitable key 21 (Figure 7) is provided, this key being engaged in a slot of a barrel 22 rotatably mounted in opposed openings in the casing plates, said barrel having an enlargement intermediate the casing plates to prevent axial displacement thereof. The casing plate 9 has a slot 23 for the passage of the key as it is engaged in the slot of the key supporting barrel 22, the key having a transverse slot 24 to provide the key with a projection 25 to have movement in the space between the casing plates. The bolt plate 17 is arranged with a rectangular opening 26. This plate is normally positioned by the spring 18 so that the key projection may enter therein as the key is engaged in the casing slot 23, and as the key is rotated the key projection 25 will engage the wall of plate opening 26 and move the plate against the tension of spring 18 and thereby the plate tongue 19 out of engagement with the keeper 20. To prevent the insertion of an implement between the keeper 20 and the plate tongue to move said tongue out of engagement with the keeper the one end of the casing plate 9 is arranged with an extended curved portion 27 to overhang the end of the tongue and for engagement of the perforated end of the keeper, as shown in Figure 3.

To retain and lock all of the drawers below the top drawer in closed position a rod or bar 28 is provided to extend transversely of the drawers as shown in Figure 1.

The one end of the rod, in the present instance the lower end, is reduced in diameter and engaged in a perforation in a plate 29, which is in the nature of a keeper plate, said plate being fixed to the trunk wall opposite to and offset in relation to the lock keeper 20 with the shoulder formed by the reduced end of the rod abutting against the plate 29.

The rod is of a length to extend from the bottom of the trunk to alongside the lock casing, as shown in Figures 1 and 2, and is arranged with a laterally extending lock member, comprising a shouldered pin or plug 30 having a reduced end engaged in a transverse perforation in the rod and secured therein as by riveting over the end, as at 31. The pin has a transverse slot 32 arranged at the bottom, and the free end is beveled, as at 33. The bolt plate 17 has a recess 34 extending inward from one side which registers with the opening 13 in the lock case when the bolt is urged to locking position by the spring 18. The bottom wall of this recess has an under cut portion 35 forming a tongue 36 having the outer upper edge beveled as at 37.

The rod is releasably retained in position to extend transversely of the drawers by engaging the pin 30 in the casing opening 13, as shown in Figure 2, the beveled end of the pin engaging with the beveled portion 37 of the bolt tongue 36 moving the bolt 17 against the tension of the spring 18 until the pin recess 32 comes opposite the bolt tongue 36 when the bolt is moved by the spring to engage said tongue in the pin recess thereby locking the rod in position extending transversely of the drawers. The rod is released from the lock casing simultaneously with the releasing of the bolt tongue 19 from the keeper 20 as the bolt is manipulated by the key 21. The bolt is normally positioned by its actuating spring so that the upper wall of the bolt opening is in position to be cleared by the key projection 25 as it is entered into the casing slot 23, the lateral wall of said opening being arranged so that as the key is rotated the key projection will pass said wall. The lower wall of the bolt opening is positioned so that the key projection will engage therewith during the rotation thereof and such engagement by the rotary movement of the key will move the bolt to unlocking position.

To prevent springing of the rod a second keeper plate 38 (Figure 8) is secured to a parting strip, as 39, between a pair of drawers, said plate having a recessed portion 40 extending outward from the drawers for engagement of the locking rod intermediate the ends thereof.

Having thus described my invention, I claim:

In a wardrobe trunk arranged with a tier of drawers, releasable means for retaining the drawers in closed position comprising keepers arranged at the top and bottom of the tier of drawers, a lock fixed to one of the end drawers including a casing and a plate bolt slidably mounted in the casing having a tongue to co-operate with one keeper to retain the drawers in closed position, a bar

one end of which is adapted to be releasably engaged with the other keeper to extend transversely to the closed tier of drawers, said bar having a pin fixed in and extending laterally from one end and adapted to engage an opening and extend into the lock casing, and the plate bolt arranged with a second tongue to co-operate with said pin to secure the bar in said position.

Signed at the city of New York, in the county and State of New York, this 5th day of September, 1925.

MAX STOCKOV.