R. C. RANGNOW.

TRUNK FASTENER.

APPLICATION FILED JULY 1, 1908.

919,077. Patented Apr. 20, 1909.

FIG. 1.

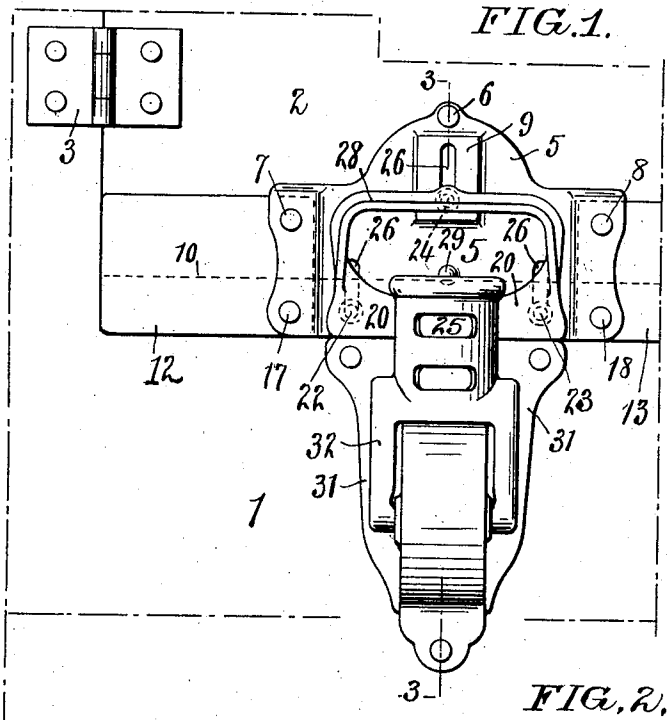


FIG. 3.

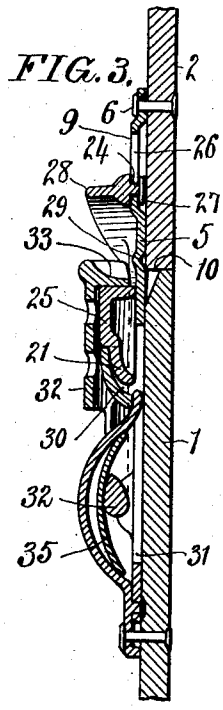


FIG. 2.

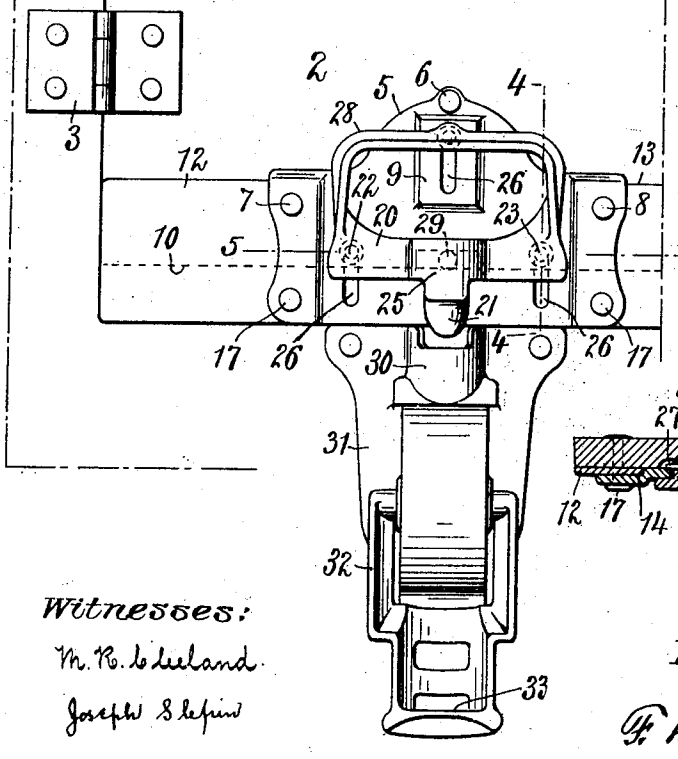


FIG. 4.

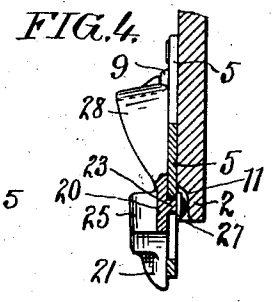
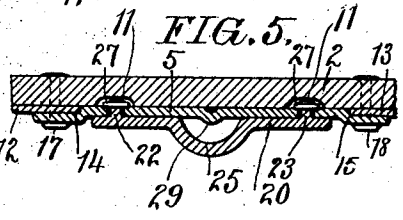


FIG. 5.



Witnesses:

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TRUNK-FASTENER.

No. 919,077. Specification of Letters Patent. Patented April 20, 1909.

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To all whom it may concern:

Be it known that I, RUDOLPH C. RANGNOW, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Trunk-Fasteners, of which the following is a specification.

My invention relates to improvements in a trunk fastener and particularly relates to a bolt and clasp which may be applied to a trunk to secure the lid to the body of the trunk.

The object of my invention is to so construct the fastener that it may be applied to a trunk having a lid which when closed lies in the same plane with the surface of the top of the trunk body. This construction of trunks is usually found in that class of trunks known as wardrobe trunks, which have lids made in two pieces, or lids which are smaller than the top surface of the trunk body. It therefore is necessary to have a fastener which may be secured in the same plane with the lid of the trunk, when the lid is closed. In this class of trunks it is necessary to fasten the side edges as well as the front edges of the lid, opposite the hinges, to prevent the lid from springing open due to the warping of the wood of which the lid is formed.

A further object of my invention is to so construct the trunk fastener that the bolt may readily be withdrawn from the socket in the stationary member of the fastener to permit the lid to be opened.

Referring to the drawings: Figure 1 is a plan view of my improved trunk fastener showing a portion of the lid and a portion of the top of a trunk; Fig. 2 is a view similar to Fig. 1 showing the clasp open and the bolt withdrawn; Fig. 3 is a section taken on line 3—3 Fig. 1; Fig. 4 is a section taken on line 4—4 Fig. 2, and Fig. 5 is a section taken on line 5—5 Fig. 2.

In the drawings 1 represents a portion of the top of a trunk body and 2 represents a portion of the lid. The lid is hinged to the body of the trunk, by the hinges 3, and is adapted to close down flush with the surface of the trunk body.

The fastener consists of the base-plate 5, which is secured to the surface of the lid 2, by rivets 6, 7 and 8. The base-plate 5 projects over the edge 10 of the lid, as shown in dotted lines, Fig. 1. The valance-strips 12 and 13 are secured in off sets 14 and 15 formed in the base-plate 5, (see Fig. 5), by rivets 17 and 18. The rivets 7 and 8 pass through the valance-strips and also the lid. Thus the base-plate 5 is rigidly secured to the lid of the trunk.

Upon the base-plate 5 is slidably mounted a sliding-plate 20 carrying the bolt 21. The sliding-plate 20 is provided with projecting pins 22, 23 and 24, which project through elongated openings 26 in the base-plate. The sliding-plate 20 is held on the base-plate by the washers 27, which are riveted on the said pins and bear against the rear side of the base-plate.

The base-plate 5 is provided with a struck-up portion 9 to form a recess for the washer on the pin 24, so that the surface of the lid 2 need not be cut away to allow said washer to move freely. As the base-plate 5 projects beyond the edge of the lid 2, said base-plate need not be struck-up adjacent the pins 22 and 23, as only a small recess need be formed in the edge of the lid 2, as shown at 11, Figs. 4 and 5, to allow said pins 22 and 23 to move freely.

The sliding-plate 20 is provided at the top with a projecting plate 28, to form a handle for sliding the bolt 21 on said sliding-plate. The bolt 21 is adapted to enter a socket 30 formed in the bearing 31, secured to the body of the trunk. Upon the surface of the base-plate 5 is formed a projecting lug 29 over which a portion of the sliding-plate 20 slides when being raised. Said lug 29 causes sufficient friction between it and the sliding-plate 5 to hold the latter in the raised position, as shown in Fig. 2, and prevents said sliding-plate from moving by the action of its own weight.

A clasp 32 is mounted in the bearing 31 and is provided with a lip 33, adapted to fit over the boss 25 formed on the movable plate 20 and hold the bolt in the socket 30. The clasp 32 is held in either the open or closed position by the spring 35, shown in Fig. 3.

My invention is operated in the following manner: To unlock the trunk lid the clasp is opened and the sliding-plate is moved to the position shown in Fig. 2. which will withdraw the bolt free of the socket 30. The sliding-plate is held in this position by the lug 29. The lid can then be opened. To lock the lid the bolt is moved so as to enter

the socket and the clasp is then sprung over the boss 25 on the sliding-plate 20, thus the lid is firmly held in place by the bolt and the bolt is prevented from working out of place by the spring clasp.

Having thus described my invention I claim and desire to secure by Letters Patent.

1. In a trunk fastener, the combination of a base-plate, a sliding-plate mounted on said base-plate, said sliding-plate having a bolt formed thereon, a bearing having a socket formed therein to receive said bolt, a clasp pivotally mounted upon said bearing adapted to embrace the bolt on said sliding-plate, said base-plate having a lug formed thereon and said lug so located upon said base-plate as to make frictional contact with said sliding-plate and hold the latter in a raised position.

2. In a trunk fastener, the combination of a base-plate, a sliding-plate, pins on said sliding-plate, said base-plate having elongated openings formed therein to receive said pins, means for securing said pins in said openings in said base-plate, a struck-up portion on said base-plate located adjacent one of said pins forming a recess in the rear side of said base-plate, a washer on said pin adapted to move in said recess, a bolt on said sliding-plate, a bearing and a socket formed in said bearing to receive said bolt.

3. In a trunk fastener, the combination of a base-plate, means for securing said base-plate to the lid of a trunk, said base-plate having recesses formed therein to receive the valance-strips on said lid, a sliding-plate, pins on said sliding-plate, said base-plate having slots formed therein, means for securing said pins in said slots, a handle formed on said sliding-plate, a bolt on said sliding-plate, a boss on said sliding-plate, a bearing adapted to be secured to the body of a trunk, said bearing having a socket formed therein to receive said bolt, and a clasp pivoted in said bearing adapted to engage said boss and said sliding-plate and hold said bolt in said socket.

In testimony whereof I affix my signature in presence of two witnesses.

RUDOLPH C. RANGNOW.

Witnesses:
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