

R. McMurray.
Bolts for Trunks.

N^o 94,762.

Patented Sept. 14, 1869.

Fig. 1.

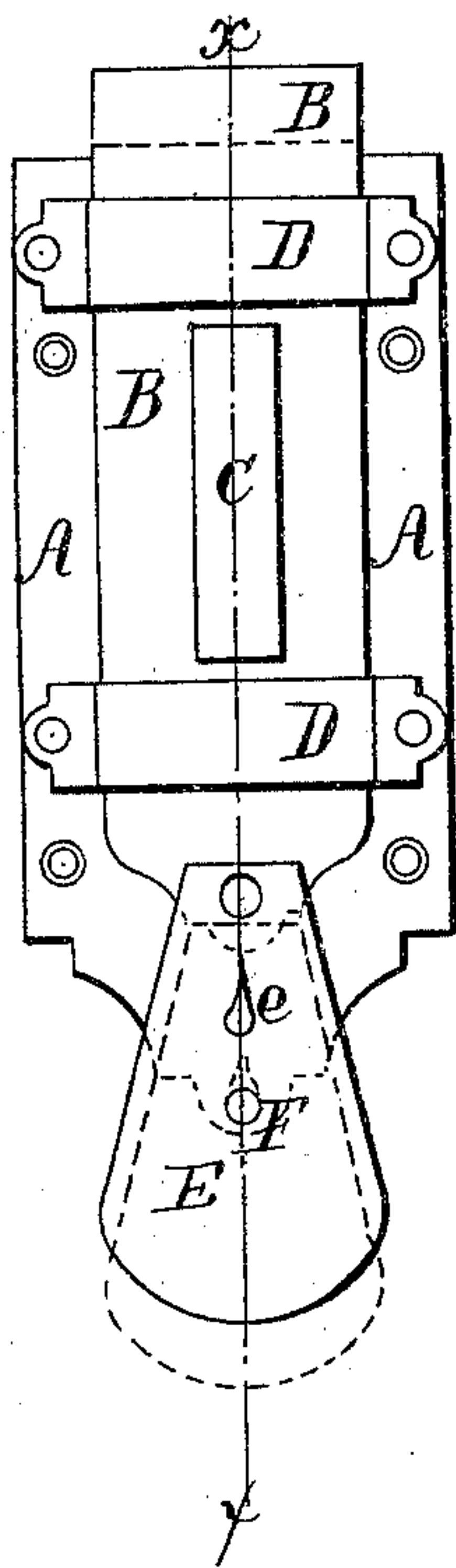


Fig. 2.

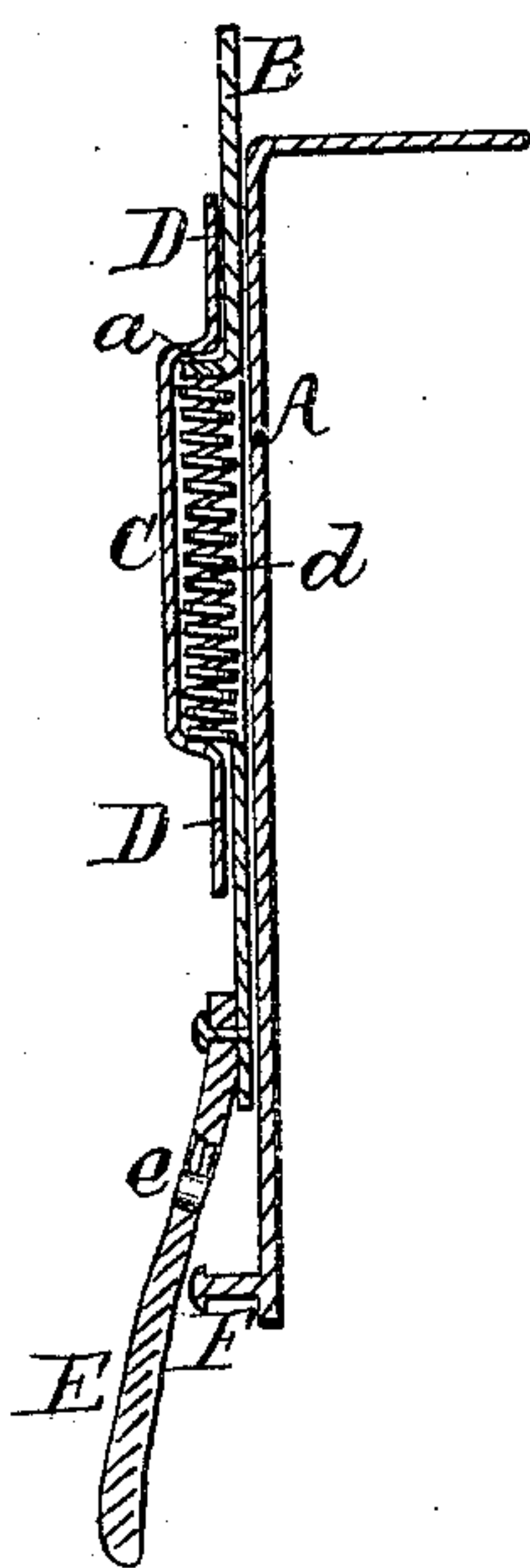
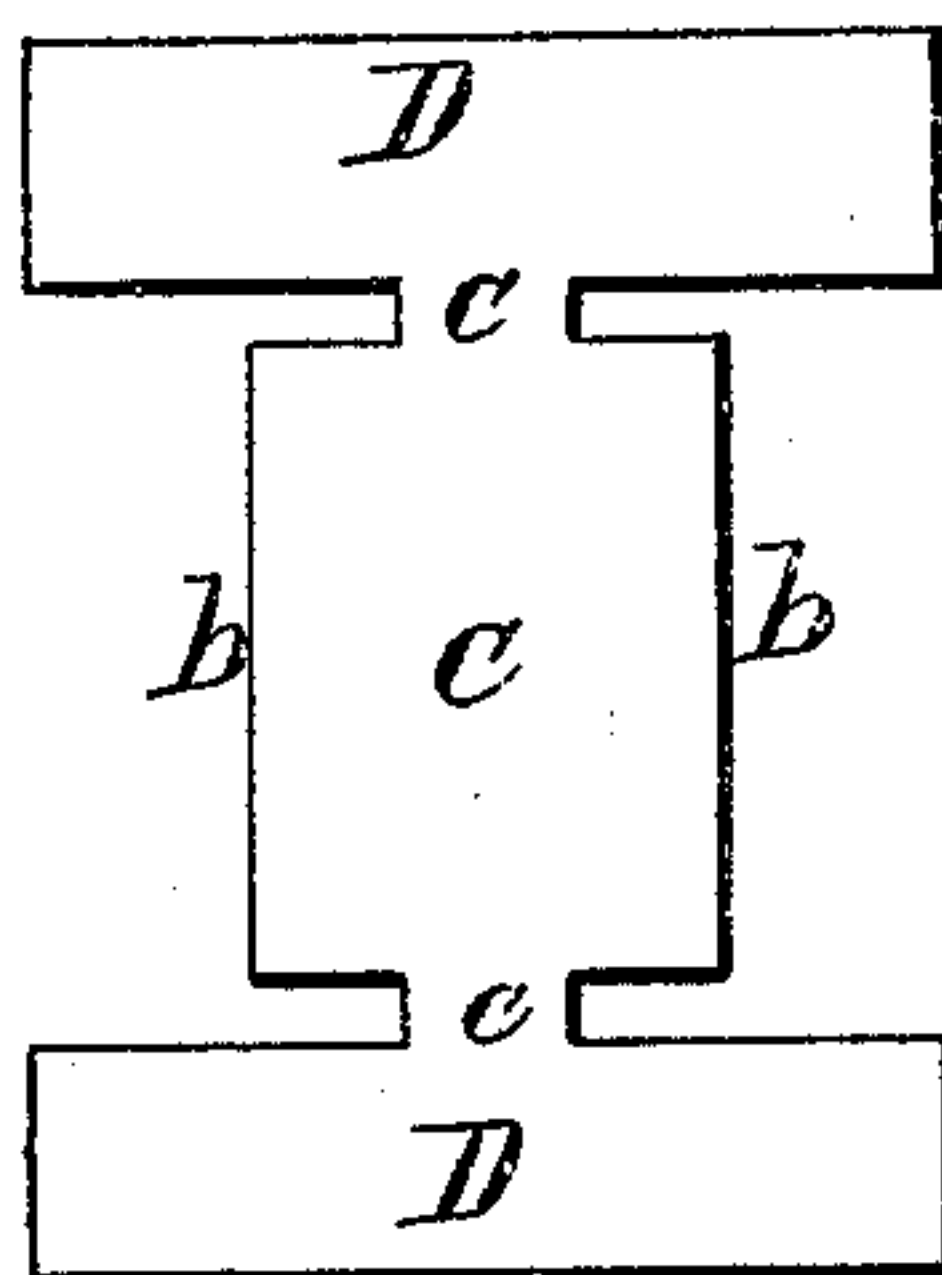


Fig. 3.



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ROBERT McMURRAY, OF WASHINGTON, DISTRICT OF COLUMBIA.

Letters Patent No. 94,762, dated September 14, 1869.

IMPROVED BOLT FOR TRUNK-TRAYS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, ROBERT McMURRAY, of the city and county of Washington, District of Columbia, have invented a new and improved Bolt for Trays of Trunks; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a front or plan view.

Figure 2 is a vertical section, as indicated by the line *x-x* of fig. 1.

Figure 3 is a view representing a piece of sheet-metal, cut to a size and shape to form box and bands for holding spring and bolt to plate.

Like letters in the different figures of the drawings indicate like parts.

My invention consists—

First, in providing the plate of the bolt with a box containing a spiral spring, in combination with a lip, so constructed with the bolt as to project within said box over the top of spring, so that when pulling the bolt back while closing the lid of the tray, the spring, by the pressure of said lip thereupon, will cause the bolt to shoot into its proper place, and retain it there without the liability of the lid coming open by the slipping down of the bolts ordinarily used.

Second, in a bolt for trays of trunks, the bolt provided with a leather fastener, having a button-hole in combination with a button or headed pin attached to the plate, so that when pulled back it may be held while in that position by fastening the leather to the button or pin.

I construct my bolt as follows:

A is the plate, provided with screw-holes, by which it is fastened to the lid of the tray.

B is the bolt, of sheet-metal, which is provided with a slot, having the lip *a* so cut and formed at the upper end thereof, as to project out at right angles from the face of the bolt.

C is the box, and

D D are the bands, which are made in one piece, being cut to the proper size and shape, as seen in fig. 3.

The box is made by turning up the edges *b b* and

spaces *c c*, which form the sides and ends of the box, the bands being properly shaped to fit over the bolt.

A spiral spring, *d*, is then placed in the box, and the bolt secured to the plate by the bands being riveted thereto on either side of the bolt, the lip *a* thereof being within the box, over, and on the top of the spring.

The edges of the box, a portion of the way up from the lower end, fit within the slot of the bolt, which slot keeps them from spreading out.

E is the leather fastener, which is riveted to the end of the bolt, and provided, a little below the rivet, with a button-hole, *e*.

Attached at the end of the plate is the button or headed pin F.

The spring keeps the bolt out, and in closing the lid of the tray, it must be pulled down by the leather fastener, and if desired to hold it in that position, the hole of the leather is slipped over the button or pin. (See its operation in red lines in fig. 1.)

I contemplate making a box on the under side of the plate, as it may be in the way or may not present so nice a finish by being on the front, as may be deemed best. In that event, I would form the box from the plate, instead of the manner herein described, having the lip of the bolt turned or bent the other way, or I may form the box separate from the plate, and rivet it to the under side, or in any manner that may be most practicable for holding the spring.

Having thus fully described my invention,

What I claim therein as new, and desire to secure by Letters Patent, is—

1. The box C, with bands D D, formed from one piece of sheet-metal for enclosing spiral spring *d*, and for fastening bolt B to plate A, substantially as described.

2. The plate A, with button or headed pin F, and bolt, with fastener E and lip *a*, formed at the upper end of slot, in combination with box C, constructed substantially as described.

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Witnesses:

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