

No. 819,974.

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W. H. BOSCHEN.
TRUNK.

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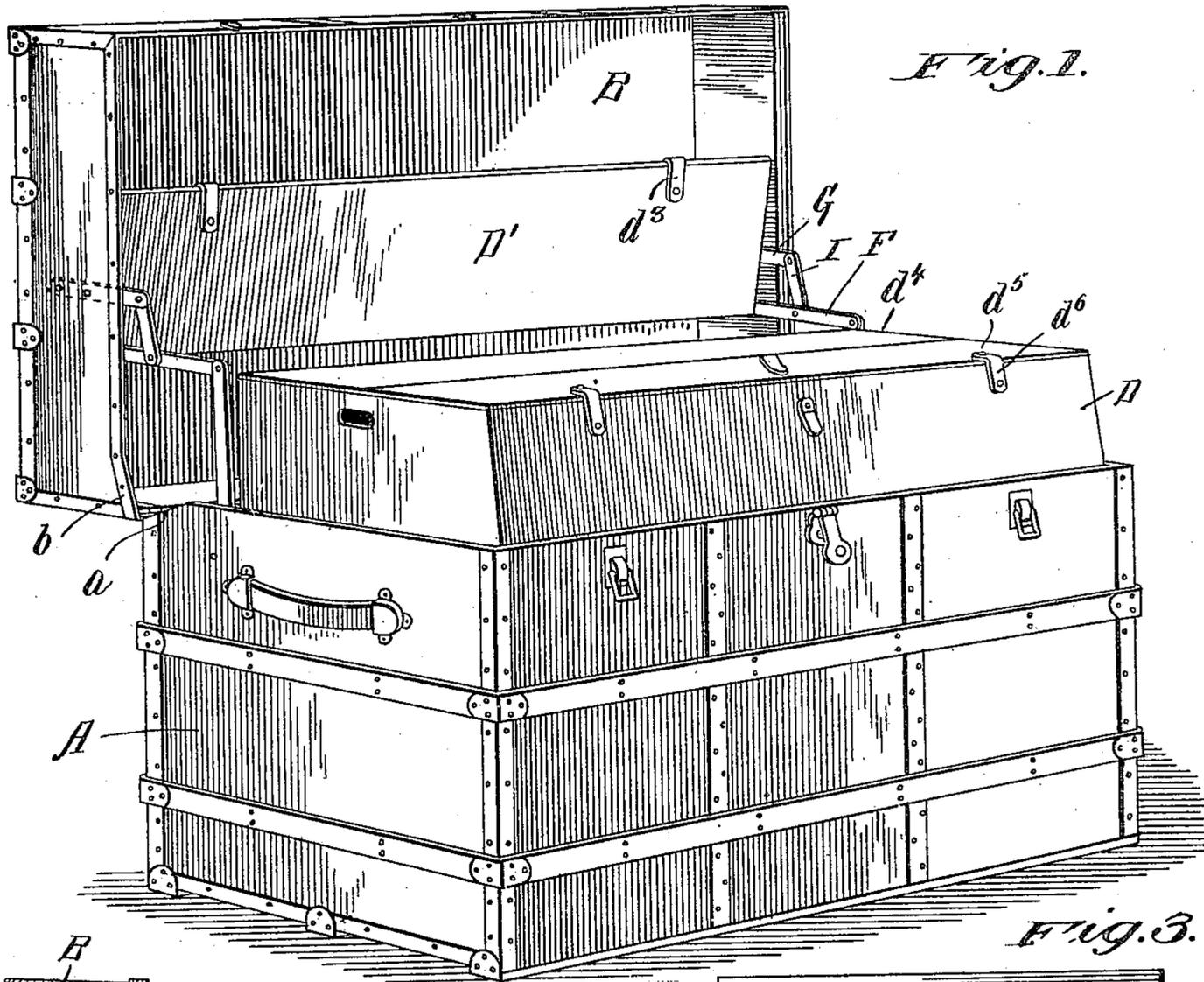


Fig. 1.

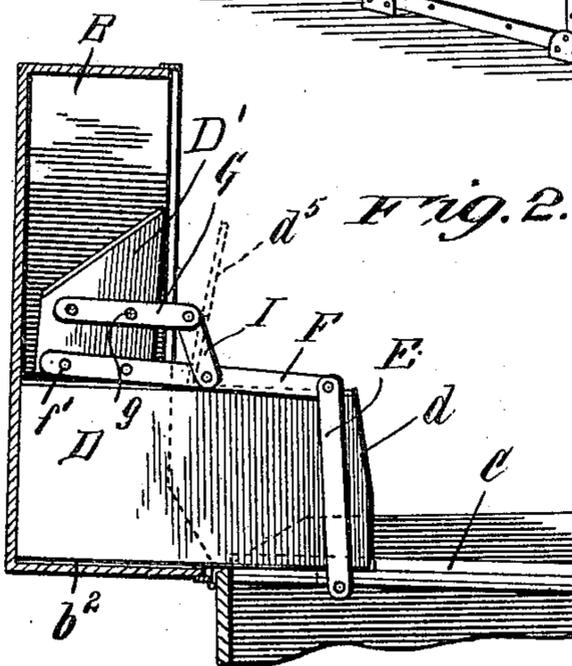


Fig. 2.

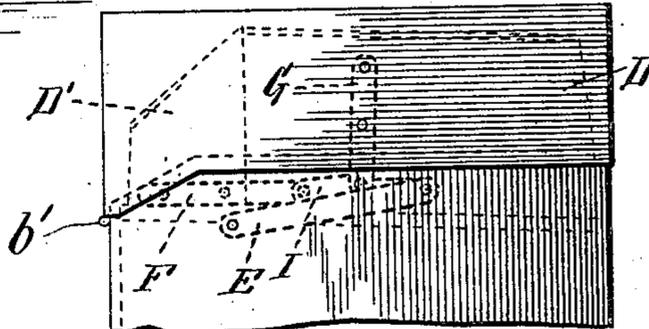


Fig. 3.

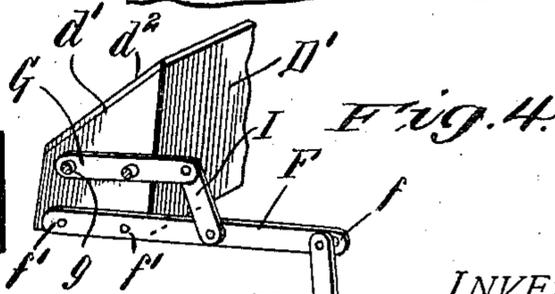


Fig. 4.

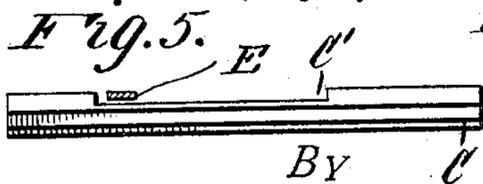


Fig. 5.

WITNESSES:

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TRUNK.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, WILLIAM H. BOSCHEN, a citizen of the United States, residing at Richmond, in the county of Henrico and State of Virginia, have invented certain new and useful Improvements in Trunks; and I do hereby declare the following to be a full, clear, and exact description of the invention, which it appertains to make and use the same.

My invention relates to new and useful improvements in trunks, and more particularly to the construction of the trays thereof and the actuating mechanism therefor.

The object of my said invention is to construct a trunk provided with a tray comprising two sections, one section thereof being adapted to be elevated into the cover simultaneously with and by the raising of the cover, the other section being adapted to slide rearwardly into the raised cover under the elevated section.

In order that my invention may be more thoroughly understood, I have illustrated in the accompanying drawings one form of trunk embodying my improvements, and a full and exact description thereof is contained in the annexed specification.

In the accompanying drawings, Figure 1 is a perspective view of my improved trunk with the cover thereof raised. Fig. 2 is a vertical sectional view of the trunk with the cover raised, showing the front section of the tray in its rearward position. Fig. 3 is an end view of the trunk when closed and showing the tray and elevating mechanism in dotted lines. Fig. 4 is a perspective view of a portion of the rear section of the tray and the actuating mechanism therefor, and Fig. 5 is an enlarged detail view of one of the tray-supporting bars.

In the several views like letters of reference designate similar parts of my improved device.

A in the drawings designates the body of the trunk, and B the cover thereof. The body A is preferably cut away at its rear side, as shown at *a*, thus making the rear edge thereof lower than the front, and the cover B is made correspondingly deeper at its rear, as shown at *b*, so that when lowered it will neatly fit onto the body A, to which it is hinged in the ordinary manner, as at *b'*.

C C are the supporting-bars for the tray and are secured, preferably, in an inclined po-

sition to the ends of the trunk and extend from the rear edge *a* thereof to the front. These bars C C are provided with the track portion *c c*, upon which the tray is adapted to slide rearwardly into the cover B when raised, the cover being provided with strips *b² b²*, preferably of metal, which form continuations of the tracks *c c*.

D D', respectively, designate the front and rear sections of the tray and together occupy practically all the space in the cover B when lowered, the said sections being provided with suitably-inclined portions *d* and *d'*, respectively, to prevent any binding of the parts when the cover is raised or lowered.

d² designates the cover of the section D' and is hinged to the rear edge thereof in any desirable manner, fasteners *d³* being provided to lock the same when closed.

d⁴ designates the lid of the section D and is hinged in any desirable manner at the rear thereof, and in order to give access to the interior of this section when in a rearward position this lid is provided with a front flap *d⁵*.

d⁶ designates the locking means for the cover *d⁴*.

The elevating mechanism for section D' comprises levers E E, pivoted to the ends of the body A at the points *e e* slightly below the supporting-bar C C and adapted to work in slots *c'* in said bars C, as shown in Fig. 5.

F F are links pivoted at one end to the free ends of the levers E E, as at *f f*, and secured at their other end to the section D', as at *f' f'*.

G G are bars secured to the ends of the cover A, as at *g g*, and are connected at their ends to the links F F by the links I I. In order to permit the admission of these links I I between the links F F and levers E E when the cover is lowered, the said levers and links are properly distanced at their points of pivoting *f f*.

From the foregoing description the operation of my device is obvious and is as follows: With the parts in the position shown in Fig. 3, when the cover B is raised the section D' of the tray, through the medium of the several levers and links, is simultaneously raised and thrown into the cover, the arrangement of the levers being such that the section is always held in a horizontal position during its movement, thus preventing the displacement of its contents. The cover having been raised, the section D may be slid rearwardly into the same, as shown in Fig. 2, thus giving access to both sections of the tray and also to

the interior of the trunk. When desired to close the trunk, the section D is drawn forward, as in Fig. 1, whereupon the cover may be lowered and the section D' simultaneously

5 returned to the position shown in dotted lines, Fig. 3.

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

1. In a trunk, the combination with a tray
10 comprising a front and rear section, of means for elevating one of said sections, the other of said sections being adapted to slide under said elevated section, substantially as described.

15 2. In a trunk, the combination with a tray comprising a front and rear section, of means for elevating one of said sections in the cover when raised, the other of said sections being adapted to slide under said elevated section,
20 substantially as described.

3. In a trunk, the combination with a tray comprising a front and rear section, of means for elevating one of said sections in the cover when raised, the other of said sections being
25 adapted to slide into said cover under said elevated section, substantially as described.

4. In a trunk, the combination with a tray comprising a front and rear section, of means for automatically elevating one of said sections in the cover when raised, the other of said sections being adapted to slide into said cover under said elevated section, substantially as described.

5. In a trunk, the combination with a tray
35 comprising a front and rear section, of means connected with the cover of the trunk for automatically elevating one of said sections therein when raised, the other of said sections being adapted to slide under said elevated section, substantially as described.

6. In a trunk, the combination with a tray comprising a front and rear section, of means

for automatically raising and lowering one of said sections, the other of said sections being adapted to slide under said elevated section,
45 substantially as described.

7. In a trunk, the combination with a tray comprising a front and rear section, of means connected with the cover for automatically raising and lowering one of said sections, the
50 other of said sections being adapted to slide under said elevated section, substantially as described.

8. In a trunk, the combination with a tray comprising a front section and a rear section,
55 of connections between said rear section and the cover of the trunk whereby said section may be automatically raised and lowered and means whereby said front tray can be moved rearwardly into the cover when said
60 rear section is elevated, substantially as described.

9. In a trunk, the combination with a body portion having its rear wall lower than the front, of a cover hinged to the rear wall,
65 supporting-bars provided with track portions secured to the ends of said body portion and extending forward from the top of the rear side thereof, a tray comprising a front and a rear section, adapted to rest on the track portions of said supporting-bars, levers pivoted to the ends of said body portion, links connecting said levers with said rear tray-section and connections between said links and said cover whereby said rear section may be
70 automatically raised and lowered, substantially as described.

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

WILLIAM H. BOSCHEN.

Witnesses:

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STUART BOWE.