

No. 731,603.

PATENTED JUNE 23, 1903.

G. E. McVEY.
BOX FASTENER.

APPLICATION FILED SEPT. 10, 1902.

NO MODEL.

Fig. 1.

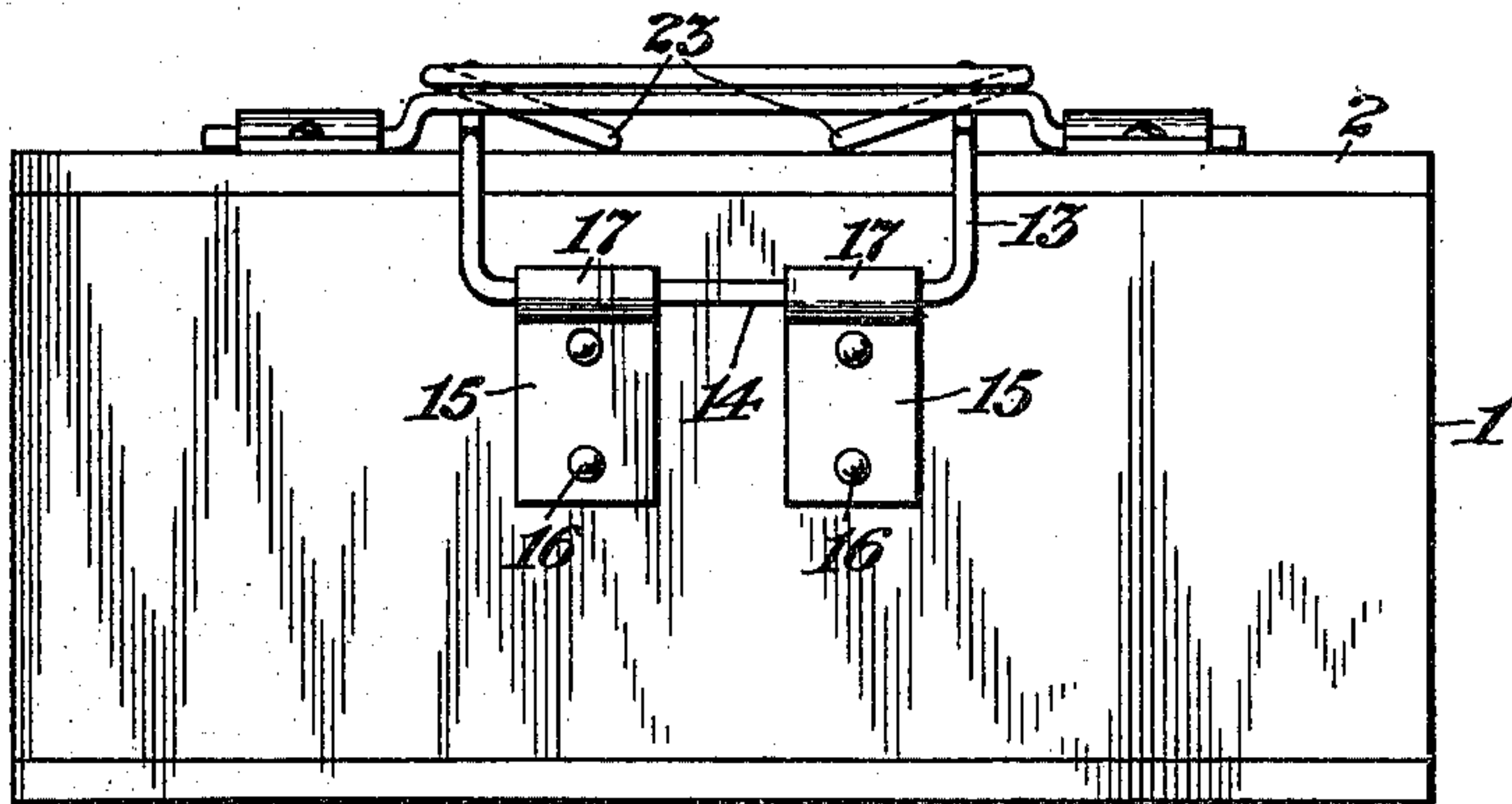


Fig. 2.

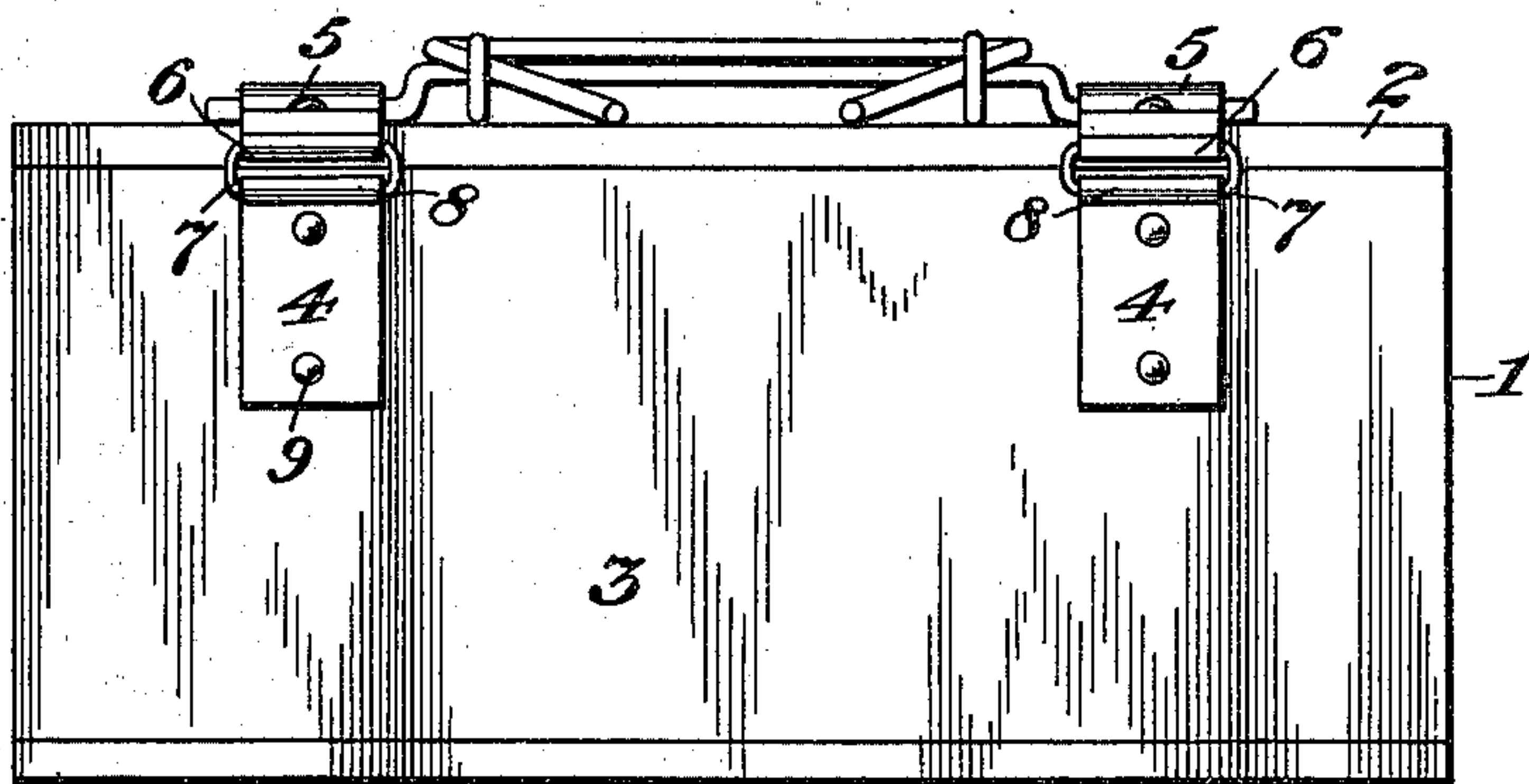
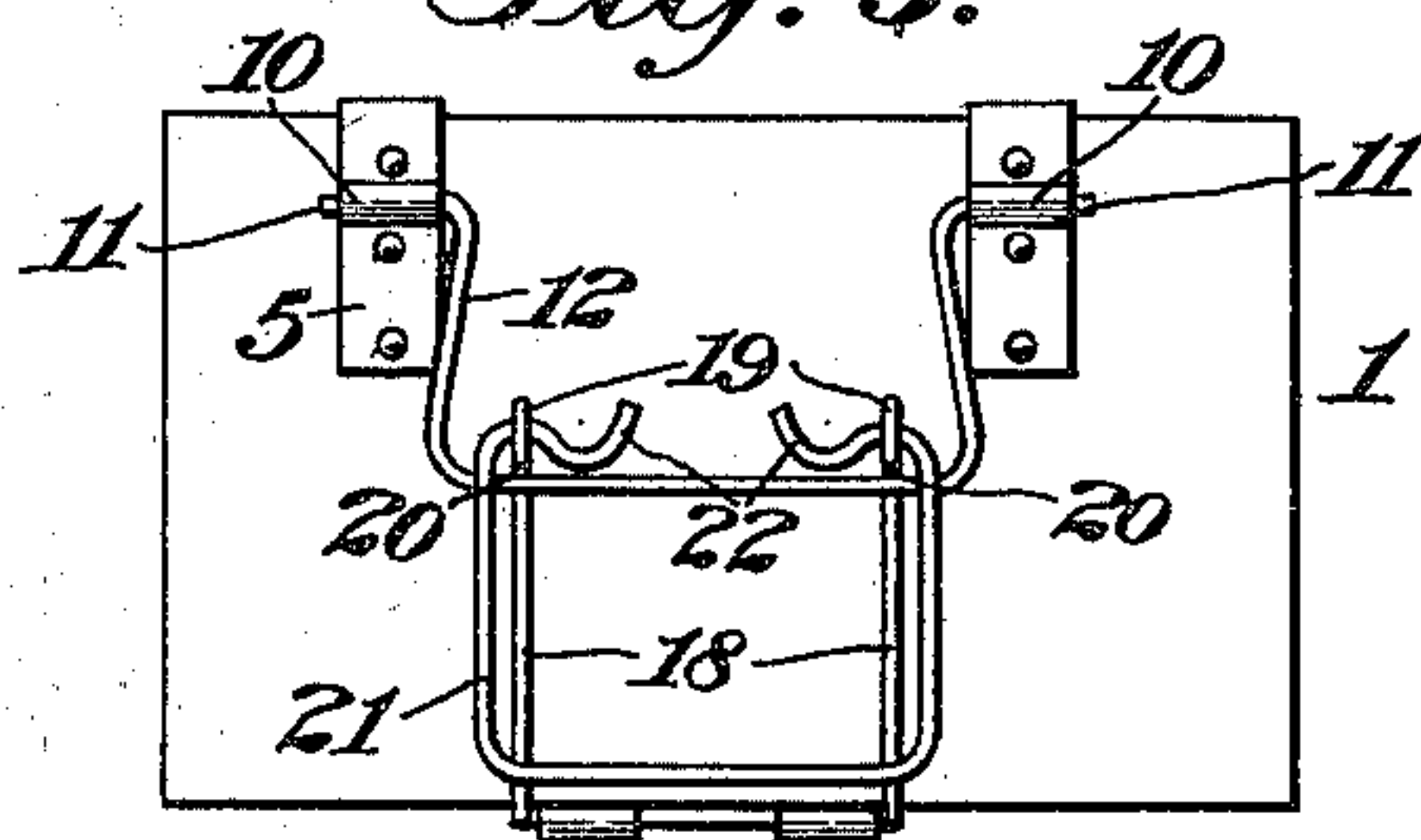


Fig. 3.



Witnesses
Chas. Clagett
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Inventor
George E. McVey,
By his Attorney,
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UNITED STATES PATENT OFFICE.

GEORGE EDWARD McVEY, OF ROXIE, VIRGINIA, ASSIGNOR, BY DIRECT AND MESNE ASSIGNMENTS, TO CHARLES D. CARTER AND MARY F. CARTER, OF ROXIE, VIRGINIA.

BOX-FASTENER.

SPECIFICATION forming part of Letters Patent No. 731,603, dated June 23, 1903.

Application filed September 10, 1902. Serial No. 122,762. (No model.)

To all whom it may concern:

Be it known that I, GEORGE EDWARD McVEY, a citizen of the United States, residing at Roxie, in the county of Smyth and State of Virginia, have invented certain new and useful Improvements in Fasteners for Crates and Boxes, of which the following is a specification.

This invention relates to fasteners for crates and boxes; and its object is to provide simple, inexpensive, and effective means for securing the lid or cover of a crate, box, or trunk in closed position.

The invention includes certain novel arrangements of parts and detail features of construction hereinafter fully described, and defined in the appended claims.

In the accompanying drawings, forming part of this specification, Figure 1 is a front elevation of a box with my improved fastening device applied thereto, showing the box-lid in closed position. Fig. 2 is a rear elevation, and Fig. 3 is a top plan view of the box or crate.

Corresponding parts in all the figures are denoted by the same reference characters.

The reference-numeral 1 designates a box or crate of the usual rectangular form and having a hinged cover 2. The cover is secured to the back 3 of the box by strap-hinges, each comprising a member 4, secured to the back 3, a member 5, secured to the cover and having its rear end 6 bent downward over the rear edge of the cover, and an elliptical connecting-link 7. The ends 8 of the hinge members 4 and 5 are passed through the link 7 and bent upon themselves and secured in this position by brads 9. The upper hinge members 5 are each formed with an upward bend 10 to receive the outwardly-turned ends 11 of a bail 12, said bail being thus secured pivotally upon the cover.

13 designates a bail having its cross-bar 14 pivotally secured to the front of the box or crate by straps 15, arranged in parallel relation and bent upon themselves at their upper ends and secured by brads 16 to form keepers 17 for the cross-bar 14. The ends of the bail 13 are bent rearward at right angles to form arms 18, which overlap the box-cover

and terminate in eyes 19, formed by bending over the ends of the arms. The front surfaces 20 of the extremities of the arms 18 serve as shoulders, over which the cross-bar of the bail 12 engages.

The clamping device for securing the bails 12 and 13 in engagement comprises a bail 21, having its ends bent inward to form arms 22, which extend through the eyes 19 of the bail 13 and terminate in lugs 23, adapted to bear upon the upper surface of the cover 2.

The utility and operation of the improved fastener will be readily understood. To secure the cover in its closed position, the front bail 13 is turned to the position shown in Fig. 1, so that its arms will overlap the front portion of the cover. The cover-bail 12 is then forced down over the shoulders 20 at the ends of the arms 18, which projects the clamping-bail through the cover-bail 12, and finally the clamping-bail is turned down over the cross-bar of the cover-bail, as shown in Fig. 1, which securely clamps the device and holds the cover closed. To raise the cover, it is only necessary to first raise the clamping-bail, after which the cover-bail 12 may be turned back to release the front bail 13.

It will be noted that the straps bent upon themselves afford a very inexpensive means for pivotally securing the front and cover bails and that the interlocking bails may be also constructed and applied at small cost. The improvement therefore provides a cheap and very effective fastener adapted for use upon shipping-crates, packing-boxes, trunks, and other like receptacles having hinged lids or covers.

I would have it understood that the invention is not restricted to the specific means shown for securing the bails to the box or to all the other details described, but that I reserve the right to make all such minor changes and modifications as may be included within the scope of the following claims.

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

1. The combination with a box or crate having keepers secured to its front side, of a fastener comprising a bail pivotally secured in

such keepers, and bent to form overlapping arms and terminal eyes, a bail pivotally secured upon the cover and adapted to engage said arms, and a clamping-bail having its ends bent to form arms which extend through said eyes and terminate in lugs adapted to bear upon the top of the cover.

2. The combination, with a box or crate having keepers on its front side, of a fastener comprising a bail having its cross-bar passing through such keepers, and bent to form overlapping arms, and terminal eyes, a bail pivotally secured to the box-cover and adapted to engage over said eyes, and a clamping-bail bent at its ends to extend through said eyes.

3. The combination with a box or crate, of a cover, strap-hinges therefor, each compris-

ing a member secured to the back of the box, and a member formed with a bend serving as a pivot-bearing, and secured to the box-cover and bent downward over the rear edge thereof, and a connecting-link through which the ends of the hinge members extend; a bail having arms supported in the bends of the upper hinge members, a bail pivotally secured to the front of the box, and having arms engaged by the cover-bail, and a clamping-bail pivotally secured to said arms.

In testimony whereof I have signed my name in the presence of the subscribing witnesses.

GEORGE EDWARD McVEY.

Witnesses:

LANDON HAYNES GAMMON,
WILLIAM WORTH GEORGE.