

No. 871,779.

PATENTED NOV. 26, 1907.

J. J. CANNAN.
TRUNK TRAY HINGE.
APPLICATION FILED AUG. 5, 1905.

Fig. 1.

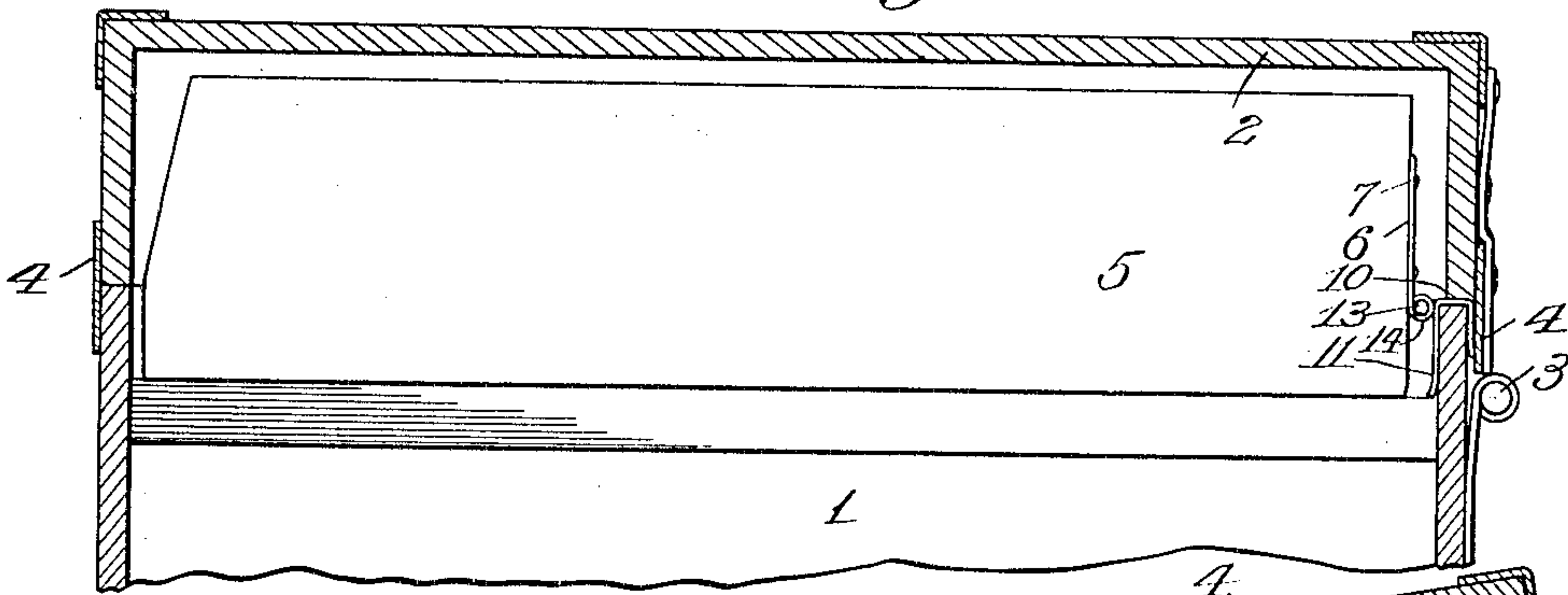


Fig. 4.

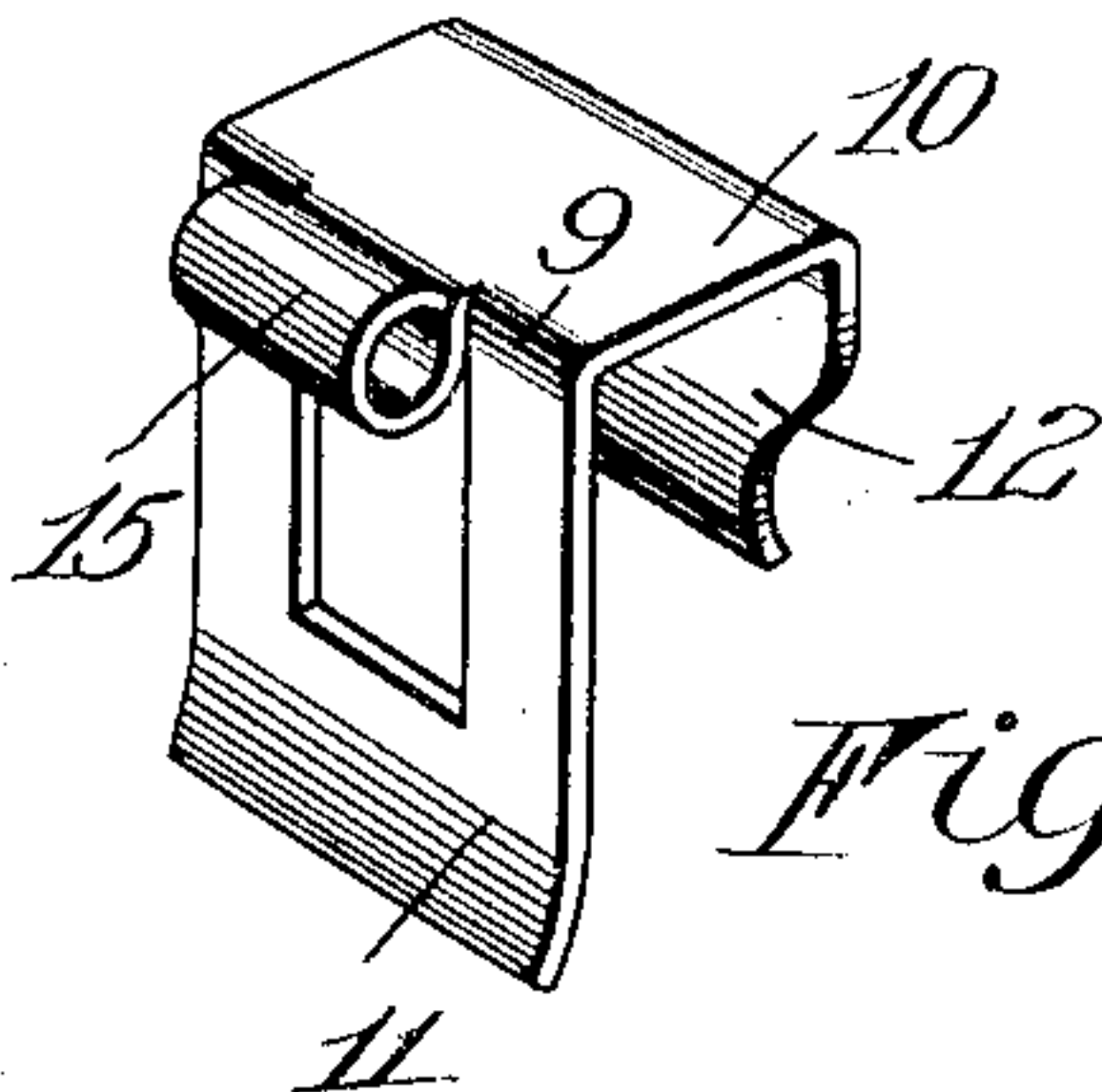
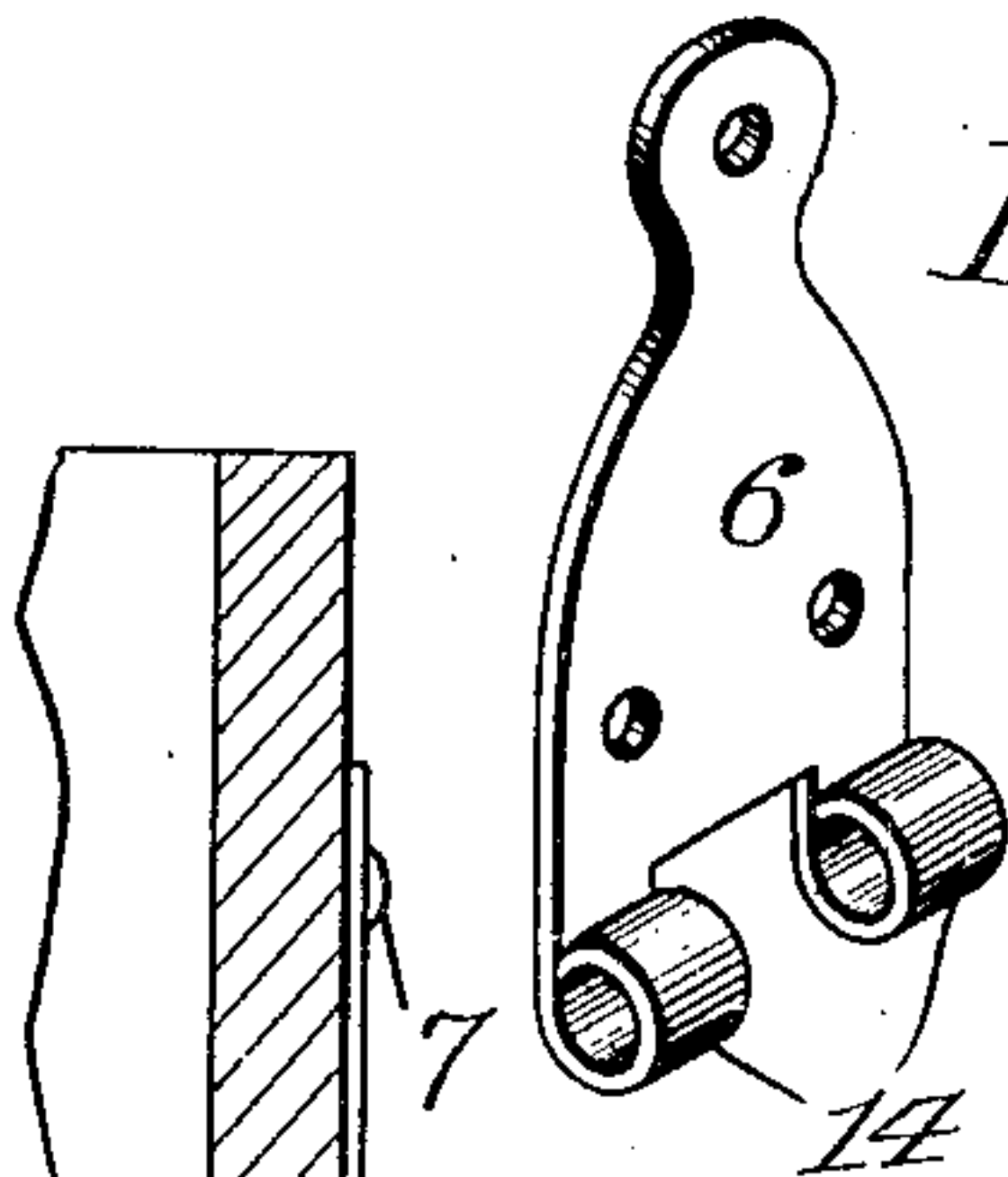


Fig. 5.

Fig. 3.

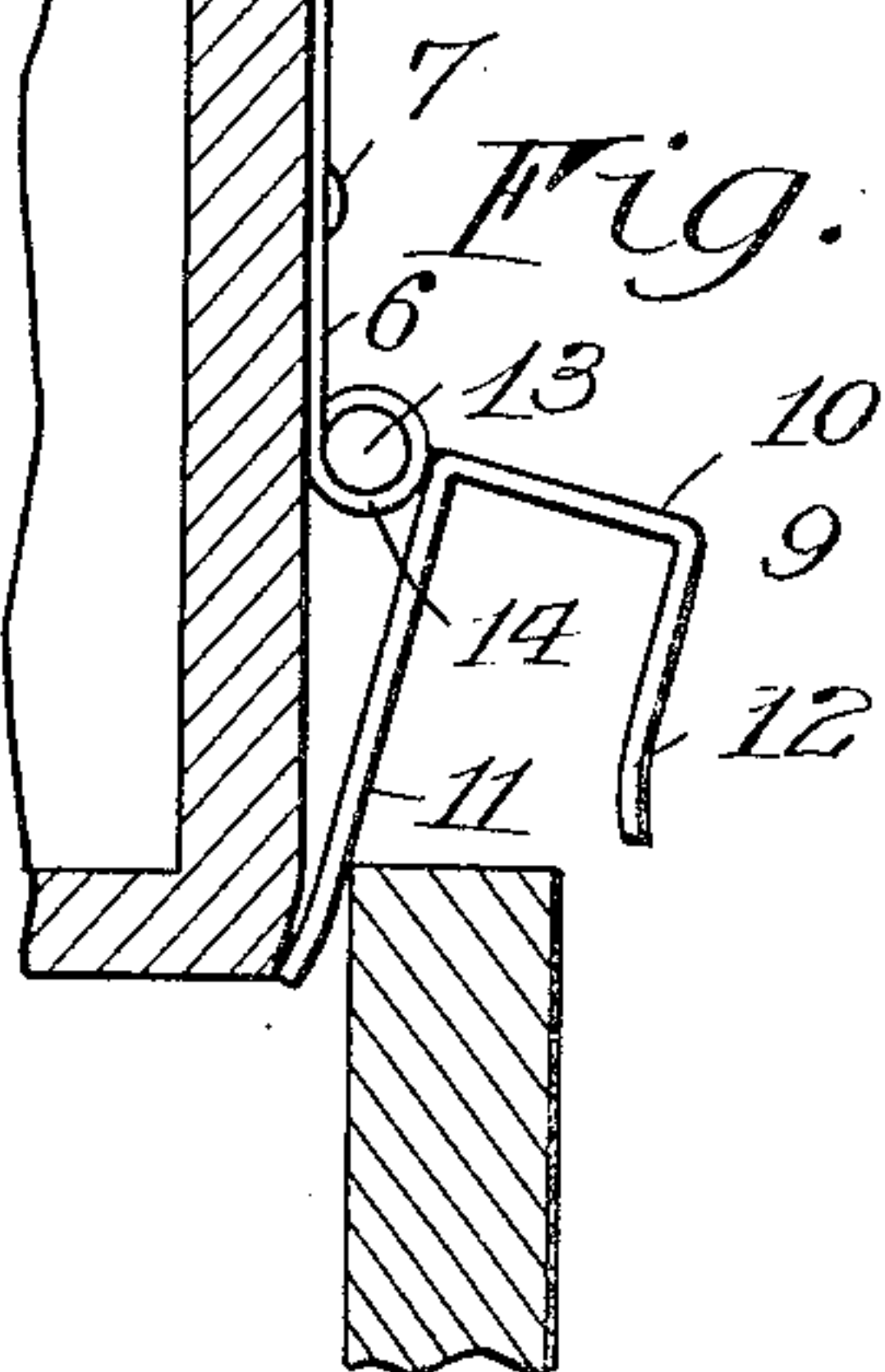
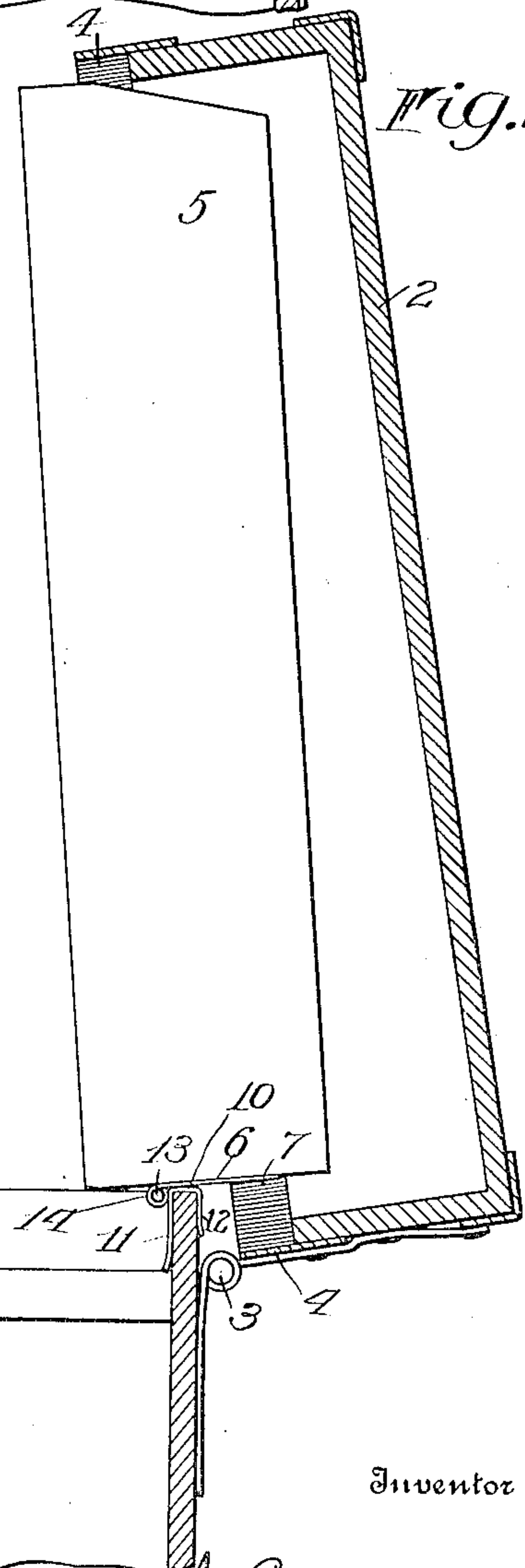


Fig. 2.



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TRUNK-TRAY HINGE.

No. 871,779.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOHN J. CANNAN, of Rochester, in the county of Monroe and State of New York, have invented certain new and useful Improvements in Trunk-Tray Hinges; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of the specification, and to the reference-numerals marked thereon.

My present invention relates to devices for supporting the top trays of travelers' trunks and it has for its object to provide an improved hinge adapted to be carried on the tray and to detachably engage the trunk body whereby the tray may be rotated into the lid or cover of the trunk when opened, to afford access to the interior thereof, or may be entirely removed.

To these and other ends the invention consists in certain improvements and combinations of parts all as will be hereinafter more fully described, the novel features being pointed out in the claims at the end of the specification.

In the drawings: Figure 1 is a cross sectional view of a traveler's trunk showing a tray hinge constructed in accordance with my invention. Fig. 2 is a similar view showing the lid or cover opened and the tray in elevated position. Fig. 3 is a detail view illustrating the position of one of the hinge members when the tray is being inserted in the trunk. Figs. 4 and 5 are detached perspective views of the hinge members.

Similar reference numerals in the several figures indicate similar parts.

In illustrating my invention I have shown it in connection with a trunk comprising a body 1 and a lid or cover 2 secured thereto by the usual hinges 3 attached to the rear walls of the respective parts and having their pintles located beneath the edge of the binding strip 4 which overlaps the joint between the meeting edges of the lid and trunk body, as shown in Figs. 1 and 2. The top tray of the trunk, indicated by 5, is located in the usual position the bottom part thereof being within the walls of the trunk body and the top extending into the lid or cover 2.

In order to support the tray and permit its forward edge to be rotated upwardly either with the lid, or cover, or separately therefrom to afford access to inner parts of the trunk, without removing it bodily there-

from, I provide a form of hinge connection which is carried on the tray and is adapted to detachably engage the trunk body, whereby when the tray is removed the trunk body is free from all projections or hinge parts which may in any manner interfere with the insertion or removal of articles therefrom. The hinge comprises a member 6, secured by rivets or screws 7 to the rear wall 8 of the tray, and a second member 9 pivoted thereto. The last mentioned member is provided with a flat horizontal portion 10, equal in width to the thickness of the wall of the trunk body, and the depending legs 11 and 12 adapted to straddle said wall and to engage respectively at the inner and outer sides thereof. The pivotal connection between the parts of the hinge is formed by the pintle 13 which is supported at its ends in the knuckles 14 on the member 6 and receives, at its central portion the knuckle 15 on the member 9. The inner leg 11, on the latter member, is extended beneath the end of the outer leg 12 and is adapted to engage the adjacent wall of the tray at a point a sufficient distance below the pintle to hold the member in position to readily slip over the edge of the side, or wall of the trunk body. In placing the hinge on the tray the member 6 which is relatively stationary thereon is located so as to position the extremity of the longer or inner leg 11 on the movable member about on alinement with the bottom of the tray so that when the latter is inserted in the trunk body said leg will be first to engage the edge of the wall of the trunk and serve to guide the hinge to its seat, and prevent the shorter leg 12 from improper engagement, as shown in Fig. 3, thus enabling the tray to be placed in position without requiring the exercise of especial care on the part of the operator.

In forming the knuckles 14 they are curved outwardly beneath the pintle enabling the member 6 to be secured to the tray above the member 9 and to be made somewhat longer than the latter affording greater opportunity to separate the rivets or screws 7, whereby a firm attachment may be made to the tray without liability of splitting or breaking the side of its thin wooden frame. The knuckle 15 is preferably made integrally with the member 9 by severing the sides and bottom edge of a tongue shaped portion in the leg 11 and curling it to extend outwardly beneath the pintle, as shown in Fig. 4. The center of the pintle 13 is preferably located beneath

the top of the horizontal portion 10 to support the side of the tray close to the edge of the trunk body so that its opposite or forward side will not be projected beyond the
 5 corresponding side of the lid or cover when both of said parts are opened by rotating them upwardly on their different pivotal centers.

A hinge constructed in accordance with
 10 my invention is particularly adapted for the purpose described as it forms a pivotal support for the side of a trunk tray which is carried entirely thereon and as it coöperates with the upper edge of the wall of the trunk
 15 body other attachments are not required thereon with which the operator is required to place the tray in engagement. The relatively movable member gravitates into engagement with the side of the tray, when the
 20 latter is removed and is always in position to guide the tray into the trunk body and to automatically seat itself in operative position.

I claim as my invention:

1. The combination with a trunk, a cover
 25 therefor, a tray and supports within the trunk below the upper edge thereof, of a

hinge forming a pivotal connection between the tray and trunk embodying a member secured to the side of the tray and a second member pivoted to the first above the bot- 30
 tom of the tray having downwardly-depend- ing legs straddling the edge of the trunk, the inner leg being longer than the outer and arranged to rest against the side of the tray
 35 said member being pivotally connected to the first member on the side of its longer leg to guide the legs of the last mentioned hinge member into coöperative relation with the edge of the trunk when the tray is inserted
 40 within the latter.

2. The combination with a trunk, a hinged cover for the trunk, and a trunk tray, of a hinge secured to the tray and embodying a member adapted to straddle the upper edge
 45 of the trunk and to be held thereto by the engagement of the edge of the cover therewith.

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Witnesses:

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