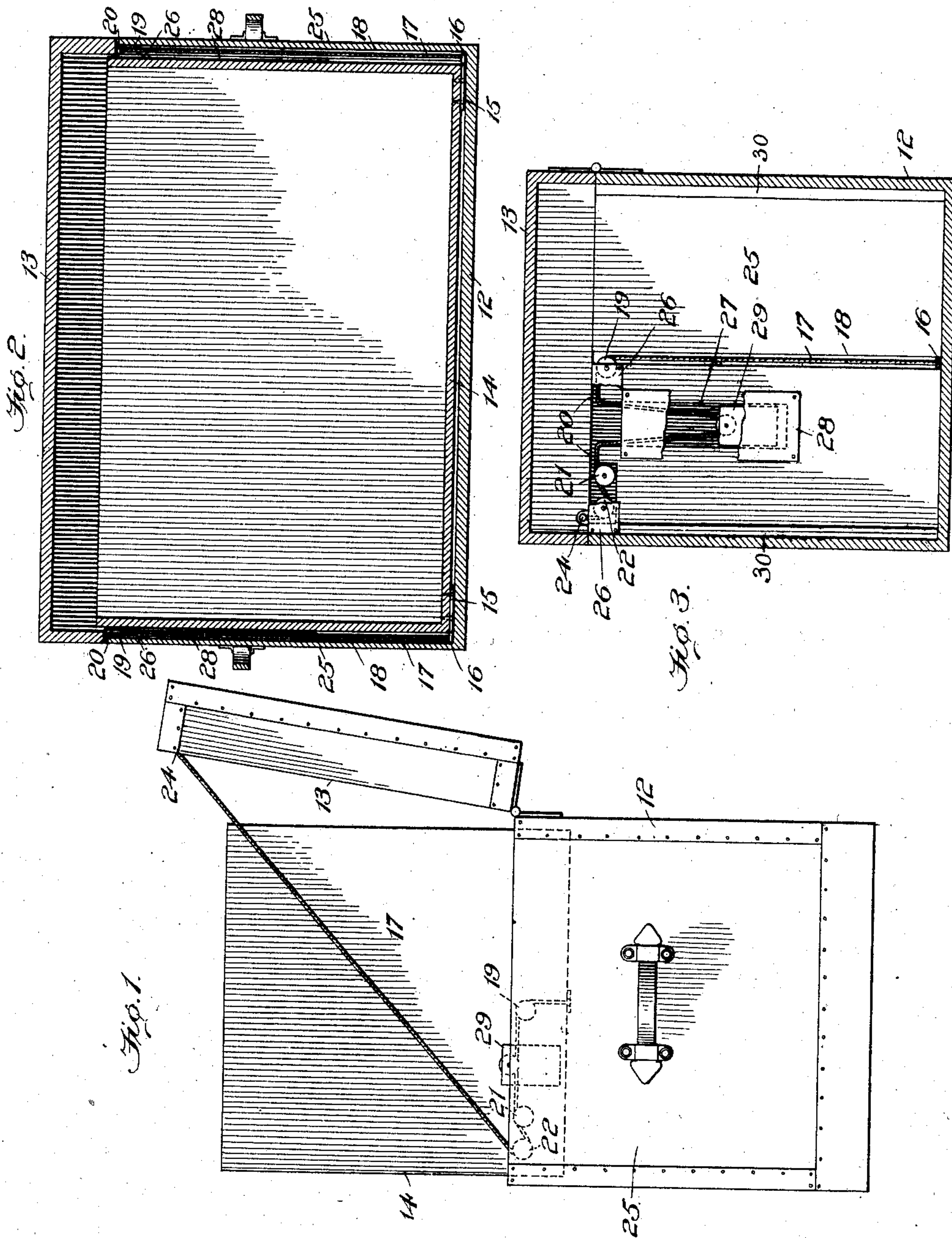


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T. J. McKAY.
TRUNK.

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TRUNK.

No. 883,420.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, THOMAS J. McKAY, a citizen of the United States, residing at Atlanta, in the county of Fulton and State of Georgia, have invented or discovered certain new and useful Improvements in Trunks, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to trunks and has for its object the provision of means whereby the contents of the trunk may be raised to a position above the main body portion of the trunk into a convenient position for packing
15 and unpacking.

To this end my improved trunk comprises a main exterior body portion provided with a lid, an interior receptacle fitted to the interior of said main body portion and telescoping thereinto, and new and improved means for operatively connecting said lid and interior receptacle whereby when said lid is opened said receptacle will be raised out of the main body portion of the trunk.

20 In the accompanying drawings, which illustrate one construction in which my invention may be embodied—Figure 1 is an end elevation of the trunk with the lid raised and the interior receptacle elevated; Fig. 2 is a central, longitudinal section, looking toward the front of the trunk, with the lid and interior receptacle lowered; and Fig. 3 is a transverse section taken on a plane substantially intermediate the main exterior body portion
30 and the interior receptacle, showing the end of the exterior body portion and associated parts as viewed from the interior of said body portion.

40 The main exterior body portion 12 is provided with a hinged lid or cover 13 of any well known or usual construction. Adapted to telescope into the body 12 is an interior receptacle 14, said receptacle presenting, in plan, exterior dimensions substantially the same or slightly smaller than the interior dimensions of the body 12, and being preferably of a sufficient height to project slightly above the top of the body 13 when fully lowered therein. Upon the bottom of
50 the receptacle 14, at substantially the center of either end thereof, is secured a plate or

casting 15, provided with a lug 16, projecting beyond the edge of the bottom of the receptacle 14, and preferably perforated for the attachment of a cord, chain, or other suitable flexible connector 17. The lugs 16 are guided in vertical grooves 18 formed on the inside of each end wall 25 of the body 12, while each connector 17, when the receptacle 14 is lowered, lies in the corresponding groove 18 whence it passes over a sheave 19, thence along a groove 20 formed in the upper edge of the end wall of the body 12, thence over a sheave 21, thence under a sheave 22, and has its end suitably attached at 24 to the edge of the lid 13. The sheaves 19, 21 and 22 are journaled in suitable recesses formed in the wall 25 and are covered by a plate or plates 26, preferably of sheet metal, said plates being shown partly broken away in Fig. 3.

70 It will now be seen that when the lid 13 is raised the connectors 17 attached thereto will pull upwardly upon the lugs 16, thereby elevating the receptacle 14. It is desirable, however, that the receptacle 14 should not begin to rise until the lid has been partly opened, thereby preventing any binding between the lid and receptacle which might otherwise occur. To this end the connector or connectors interposed between the lid 13 and the receptacle 14, herein shown as the cords 17, are made of a suitable form and length to provide a certain amount of lost motion between the connected parts, whereby initial opening movement of the lid is permitted without imparting movement to the receptacle 14, and means are further provided for taking up this lost motion between the parts when the lid is closed.

90 In the construction herein shown, the lost motion above referred to is provided for by making the connectors 17 of a length somewhat greater than that required to reach from the lugs 16, along the grooves 18, about the sheaves 19, 21, and 22, to their point of attachment 24 with the lid or cover, thereby providing a certain amount of slack in said connectors when the lid is closed. The means for taking up this slack or lost motion, in the present instance are as follows:—
100 Intermediate the sheaves 19 and 21 each end wall 25 is formed with a vertical well or

groove 27, covered by a suitable plate 28 similar to the plates 26. Disposed for vertical movement in each well 27 is a light weight 29 provided with an aperture through which the corresponding connector 17 passes, which aperture may, if desired, be provided with a suitable sheave. With this construction it will be seen that when the lid is closed the slack in the cords 17 will be taken up by the weights 29, while the initial opening movement of the lid will result in raising these weights. The receptacle 14 will not start to rise until the weights 29 reach the tops of the wells 27, the parts, however, being so proportioned that the receptacle 14 will be elevated to the desired predetermined position when the lid is fully opened.

Suitable guide strips, indicated by 30 in Fig. 3, are preferably provided at the interior corners of the body portion 12, for the purpose of guiding the receptacle 14 in its rising and falling movements, at the same time holding said receptacle away from the sides and ends of the body portion 12, thereby preventing jamming of the parts and providing suitable spaces for the escape of air from beneath the receptacle 14 as the latter is lowered.

While I, in order that my invention may be readily understood, have shown the same as embodied in a particular construction, I wish it to be distinctly understood that I do not limit myself to the precise construction shown, it being obvious that many changes might be made therein without departing from the spirit and scope of my invention.

Having thus described my invention I claim as new and desire to secure by Letters Patent:

1. In a trunk, the combination with an exterior body portion provided with a lid or cover, of an inner receptacle fitted within said body portion for vertical movement therein, a flexible connector fixed at one end to said receptacle and at the other to said lid or cover, said connector being of a sufficient length to provide a certain amount of slack when said lid is closed, and means for taking up said slack.

2. In a trunk, the combination with an exterior body portion provided with a lid or cover, of an inner receptacle fitted within said body portion for vertical movement therein, means for connecting said lid and said inner receptacle whereby when said lid is opened said receptacle will be elevated, said means being constructed and arranged to provide lost motion between said connected parts, and means for taking up said lost motion when said lid is closed.

3. In a trunk, the combination with an exterior body portion provided with a lid or cover, of an inner receptacle fitted within said body portion for vertical movement therein, a flexible connector attached at one end to said receptacle and at the other to

said lid or cover, and a sliding weight carried by said connector intermediate its ends.

4. In a trunk, the combination with an exterior body portion having vertical grooves in its end walls and provided with a lid or cover, of an inner receptacle provided with lugs adapted to slide in said grooves, flexible connectors attached at one end to said lugs and at the other to said lid or cover, and sliding weights carried by said connectors intermediate their ends.

5. In a trunk, the combination with an exterior body portion having vertical grooves in its end walls and provided with a lid or cover, of an inner receptacle provided with lugs adapted to slide in said grooves, sheaves carried by said body portion, flexible connectors attached at one end to said lugs and at the other to said lid or cover, and sliding weights carried by said connectors intermediate their ends.

6. In a trunk, the combination with an exterior body portion provided with a vertical groove and a vertical well in each end wall, and a lid or cover hinged to said body portion, of an inner receptacle provided with lugs adapted to slide in said grooves, flexible connectors attached at one end to said lugs and at the other to said lid or cover, and weights carried by said connectors and adapted to slide in said vertical wells.

7. In a trunk, the combination with an exterior body portion provided with a vertical groove, and a lid or cover hinged to said body portion, of an inner receptacle provided with a lug adapted to slide in said groove, a pair of sheaves carried by said body portion, a flexible connector attached at one end to said lug and at the other to said lid or cover, and passing around said sheaves, and a weight carried by said connector intermediate said sheaves.

8. In a trunk, the combination with an exterior body portion provided with a vertical groove, and with a vertical well, and a lid or cover hinged to said body portion, of an inner receptacle provided with a lug adapted to slide in said groove, a pair of sheaves carried by said body portion, a flexible connector attached at one end to said lug and at the other to said lid or cover, and passing around said sheaves, and a weight carried by said connector intermediate said sheaves, and adapted to slide in said well.

9. In a trunk, the combination with an exterior body portion having an end wall provided with a groove in its upper edge, and a lid or cover hinged to said body portion, of an inner receptacle fitted within said body portion for vertical movement therein, and a flexible connector attached at one end to said receptacle and at the other to said lid or cover and lying in said groove.

10. In a trunk, the combination with an exterior body portion provided with a verti-

5 cal groove, and a lid or cover hinged to said body portion, of an interior receptacle provided with a lug adapted to slide in said groove, sheaves carried by said body portion, and a flexible connector attached at one end to said lug and at the other to said lid or cover, and passing around said sheaves.

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

THOMAS J. McKAY.

Witnesses:

B. O. JOHNSTON,
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