June 3, 1924. 1,496,703

C. O. BRAGE

TRAY FOR TRUNKS, CHESTS, AND BOXES

Filed May 9, 1922

Fig. 1.

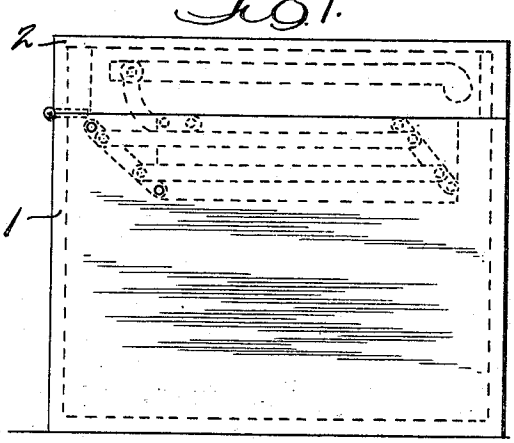


Fig. 3.

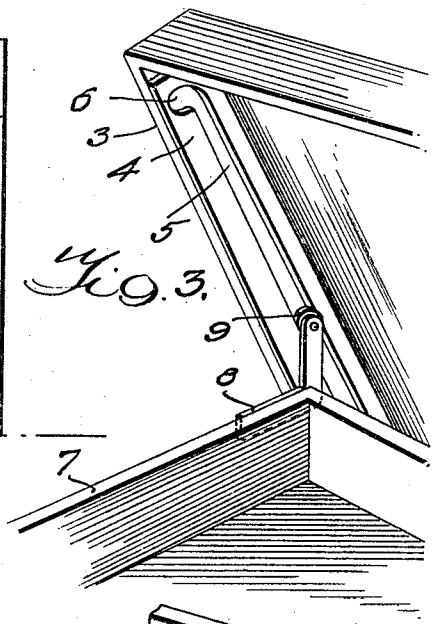


Fig. 4

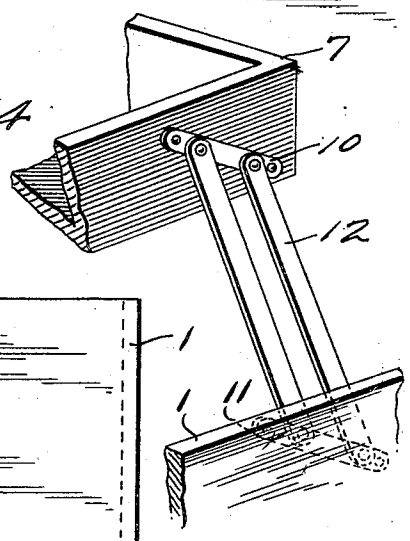
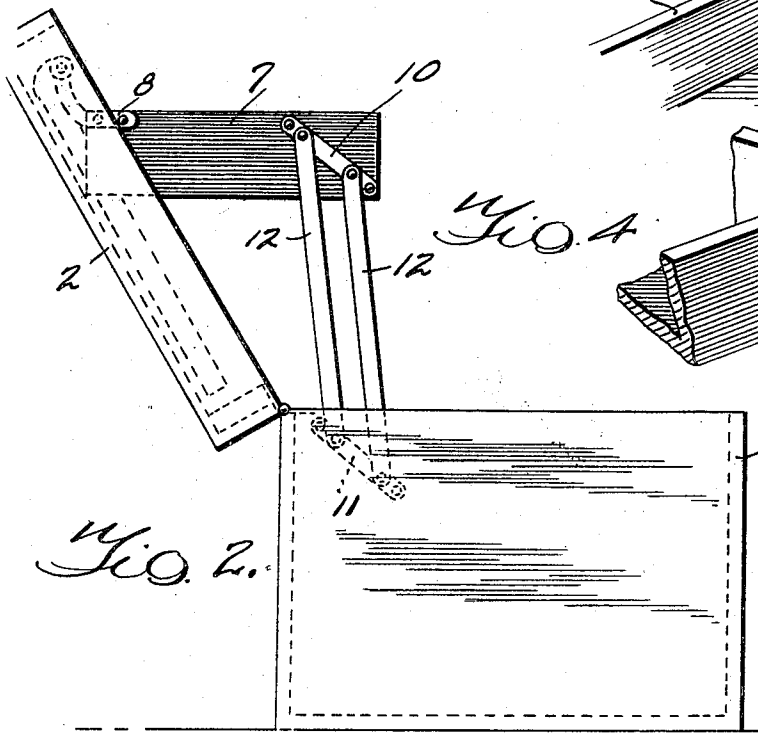


Fig. 2.



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WITNESSES

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UNITED STATES PATENT OFFICE.

CARL O. BRAGE, OF RALSTON, NEBRASKA.

TRAY FOR TRUNKS, CHESTS, AND BOXES.

Application filed May 9, 1922. Serial No. 559,507.

To all whom it may concern:

Be it known that I, CARL O. BRAGE, a citizen of the United States, residing at Ralston, in the county of Douglas and State of Nebraska, have invented certain new and useful Improvements in Trays for Trunks, Chests, and Boxes, of which the following is a specification.

The present invention relates to trays for trunks, chests, and boxes and has for its principal object to provide suitable means for raising the tray simultaneously with the opening of the lid of the chest, trunk, or box so that access can be had at once to the contents of the chest, trunk or box and also to the tray.

Another object of the invention is to provide a device of this nature which will be extremely simple and efficient in construction, reliable in operation, inexpensive to manufacture, and well adapted to the purpose for which it is designed.

With the above and numerous other objects in view, as will appear as the description progresses, the invention resides in certain novel features of construction, and the combination and arrangement of parts as will be hereinafter more fully described and claimed.

In the drawing:—

Figure 1 is an end elevation of a box embodying my invention,

Figure 2 is a similar view showing the lid thereof in a raised position,

Figure 3 is a fragmentary perspective showing the lid partially raised, and

Figure 4 is a detailed fragmentary perspective showing the tray in a raised position.

Referring to the drawing in detail it will be seen that 1 designates a chest, trunk or box having hinged at its upper end a lid 2 being provided with the side walls 3 on the inner side of which are situated the plates 4 which are provided with the longitudinally extending slots 5 terminating in the offset portions 6 at the free end of the lid. A tray 7 is adapted to fit within the upper portion of the chest 1 and is provided with an angular bracket 8 having one leg thereof fixed to the side portion and the other leg supporting a roller 9 adapted to ride in the groove 5. There are one of these brackets 8 on each side of the tray and they are situated adjacent the hinged side of the chest 1.

A pair of plates 10 are diagonally mounted on the ends of the tray 7 and a similar pair of plates 11 are diagonally situated on the ends of the chest 1 adjacent its hinged side. These plates 10 and 11 are always in substantial parallelism with each other as is indicated to advantage in Figures 1, 2 and 4. A pair of parallelly extending levers 12 are mounted on each set of plates 10 and 11 and are of equal length.

When the lid is raised the roller 9 will ride in the groove 5 so as to move toward the free end of the lid thereby fulcruming the levers 12, the rigid structure of these brackets 8 causing the tray to remain in a horizontal position. When the rollers reach the offset portions 6 the lid and tray will be set in a substantially fixed position thereby preventing accidental closure thereof. It is thought that the construction and operation of the invention will now be readily understood without a more detailed description. It is to be understood that I do not desire to limit myself to the precise construction as herein shown other than as claimed.

Having thus described my invention what I claim as new is:—

1. In combination, a chest, a hinged lid therefor, said lid provided with grooves in its ends, a tray, a plate mounted on the tray so as to extend diagonally along one side in one corner, a similar plate attached to the inside of the chest parallel with the first plate and in one corner of the chest, a pair of levers one fulcrumed at each of the ends of the plate, a bracket fixed on the tray and a roller supported in the bracket and adapted to ride in said groove.

2. In combination, a chest, a hinged lid therefor, a tray, a plate mounted on the tray so as to extend diagonally along one side in one corner, a similar plate attached to the inside of the chest at one corner and disposed parallel with the first plate, a pair of levers one fulcrumed at each of the ends of the plates, and means on the tray for engaging the lid whereby said tray may be raised as the lid is raised one end thereof being supported by the levers all in the manner and for the purpose specified.

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

CARL O. BRAGE.

Witnesses:
MARION FOLEY,
JAMES E. RYAN.