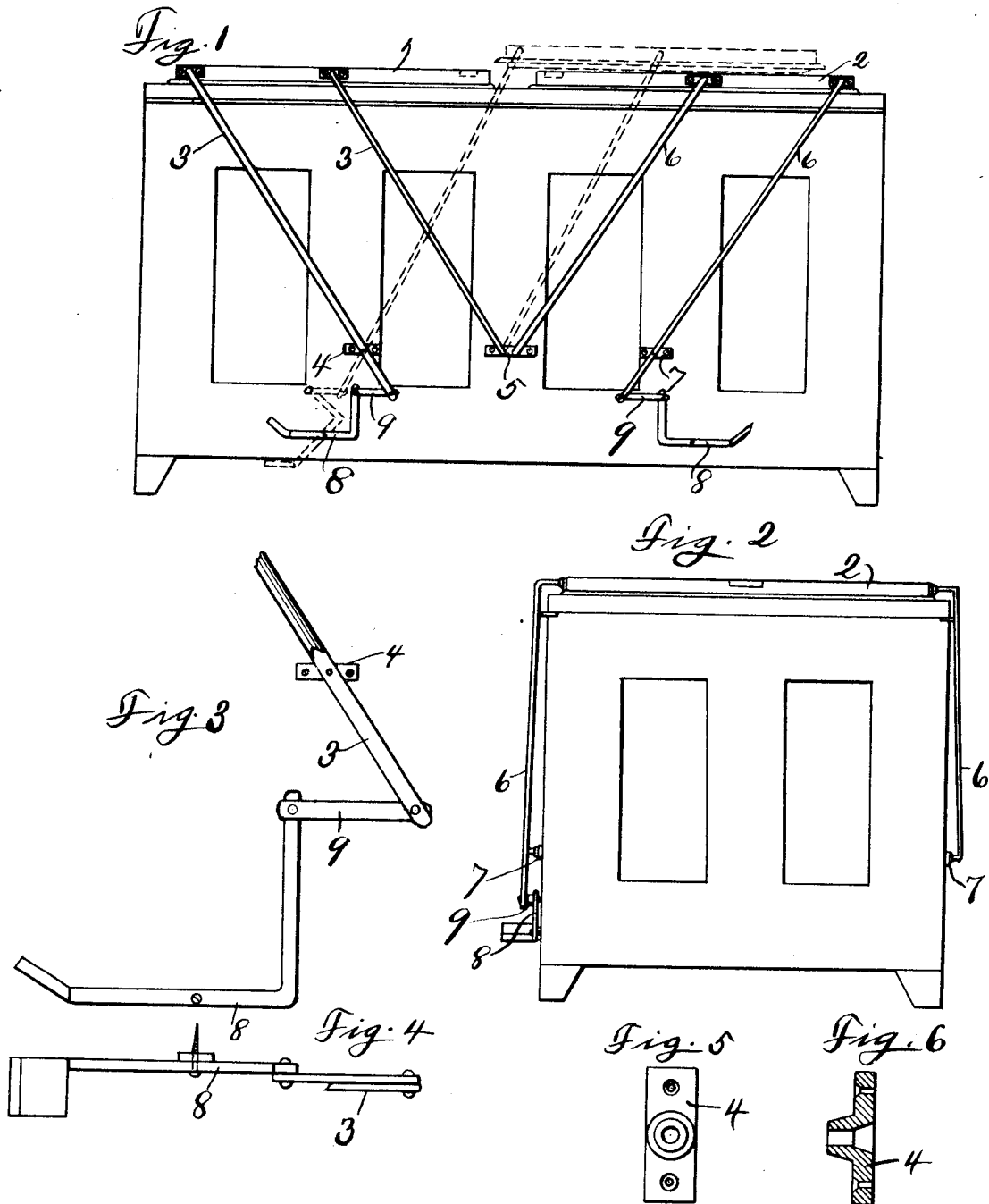


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LID MOVER FOR ICE BOXES, REFRIGERATORS, AND THE LIKE.
APPLICATION FILED FEB. 7, 1913.

1,109,723.

Patented Sept. 8, 1914.



Witnesses
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UNITED STATES PATENT OFFICE.

BROWN WHITE, OF FORT WORTH, TEXAS.

LID-MOVER FOR ICE-BOXES, REFRIGERATORS, AND THE LIKE.

1,109,723.

Specification of Letters Patent.

Patented Sept. 8, 1914.

Application filed February 7, 1913. Serial No. 746,793.

To all whom it may concern:

Be it known that I, BROWN WHITE, a citizen of the United States, residing at Fort Worth, in the county of Tarrant and State of Texas, have invented certain new and useful Improvements in Lid-Movers for Ice-Boxes, Refrigerators, and the like, of which the following is a specification.

This invention relates to lid lifters and particularly to means for operating lids for opening and closing such articles of furniture or fixtures as ice boxes, refrigerators, ice-cream cabinets, and similar devices, and the object is to provide simple devices by which the lids can be easily and quickly moved. One of the advantages of this invention is that the lid may be slightly raised and moved in a plane parallel to the top of the ice box or other device. Another advantage is that the danger of a lid falling on a person's hands or head is avoided.

Other objects and advantages will be fully explained in the following description and more particularly pointed out in the claims.

Reference is had to the accompanying drawings which form a part of this application.

Figure 1 is a side elevation of a box equipped with the improved lifters. Fig. 2 is an end elevation of the same. Fig. 3 is an enlarged detail view of one of the levers for throwing the lifter. Fig. 4 is a broken plan view of one of the levers and its connections. Figs. 5 and 6 are detail views of the fulcrum bracket.

Similar characters of reference are used to indicate the same parts throughout the several views.

The ice box shown in the drawings has a lid in two parts or two lids 1 and 2. Two pairs of rods 3 are pivotally connected to lid 1 and to fulcrum brackets 4 and 5. By means of the rods 3 the lid 1 can be moved to the position of the dotted outline shown in Fig. 1 and from the dotted outline to the closed position. By opening the box in this manner, the cold air is not drawn out of the box and by closing the box in this manner the warm air will not be forced down into the box. It will be understood that similar rods are pivotally connected to the other side of the lid 1. Rods 6 are pivotally connected to the lid and to fulcrum brackets 5 and 7 which are attached to the sides of the box. The lid 2 can be manipulated in the same man-

ner as lid 1. A foot lever 8 may be fulcrumed on the side of the box and pivotally connected to a link bar 9 which is pivotally connected to an extension of one of the rods 3 for operating lid 1 and a similar lever 8 arranged in a similar manner for operating lid 2. With the mechanism shown either lid may be moved by a mere pressure of the foot on the lever. The lid will remain parallel to the top of the box while being shifted from one position and will not have a fanning action when being closed nor a suction action when opened. This invention makes the opening and the closing of the box much more satisfactory than lids which are hinged to the box, or which are made to slide.

What I claim, is,—

1. In a box having two lids in the same plane, means for moving either lid to an open position and on top of the other lid and back to the closed position and holding the moving lid parallel to and in close proximity to the plane of the top of the box while being moved, said means consisting of pairs of relatively long rods set at inclines to the lids and pivotally connected to the outer end portions of the lid, and pivotally connected to the sides of the box, and pairs of relatively long inclined rods pivotally connected to the central edge portions of the lids and to the sides of the box, the pivotal connections of the lids being in the same plane and the pivotal connections on the box being in the same plane and near the bottom of the box.

2. In a box provided with a lid for closing the box, means for lifting the lid and moving the same parallel to and in close proximity to the top of the box, consisting of pairs of rods connected to each edge of the lid near the end thereof, and pairs of rods connected to the edges of the lid near the central portions thereof, said rods being extended down on the outsides of the box and pivotally connected thereto near the bottom thereof and adapted to swing in planes parallel to each other and to the sides of the box, and a foot-lever connected to one of the rods.

3. In a box provided with a lid for closing the box, means for moving the lid to an open position and to a closed position consisting of a pair of rods pivotally connected to each side of the end of the lid and pivotally connected to the side of the box and a

pair of rods pivotally connected to each side
of the lid substantially at points midway be-
tween the ends and pivotally connected to
the sides of the box, all pivotal connections
5 of the lids being in the same plane and all
pivotal connections to the box being in the
same plane.

In testimony whereof, I set my hand in
the presence of two witnesses, this 3rd day
of February, 1913.

BROWN WHITE.

Witnesses:

A. L. JACKSON,
L. T. KNIGHT.