

(No Model.)

J. L. GRAY.
REFRIGERATOR.

No. 370,469.

Patented Sept. 27, 1887.

Fig. 1.

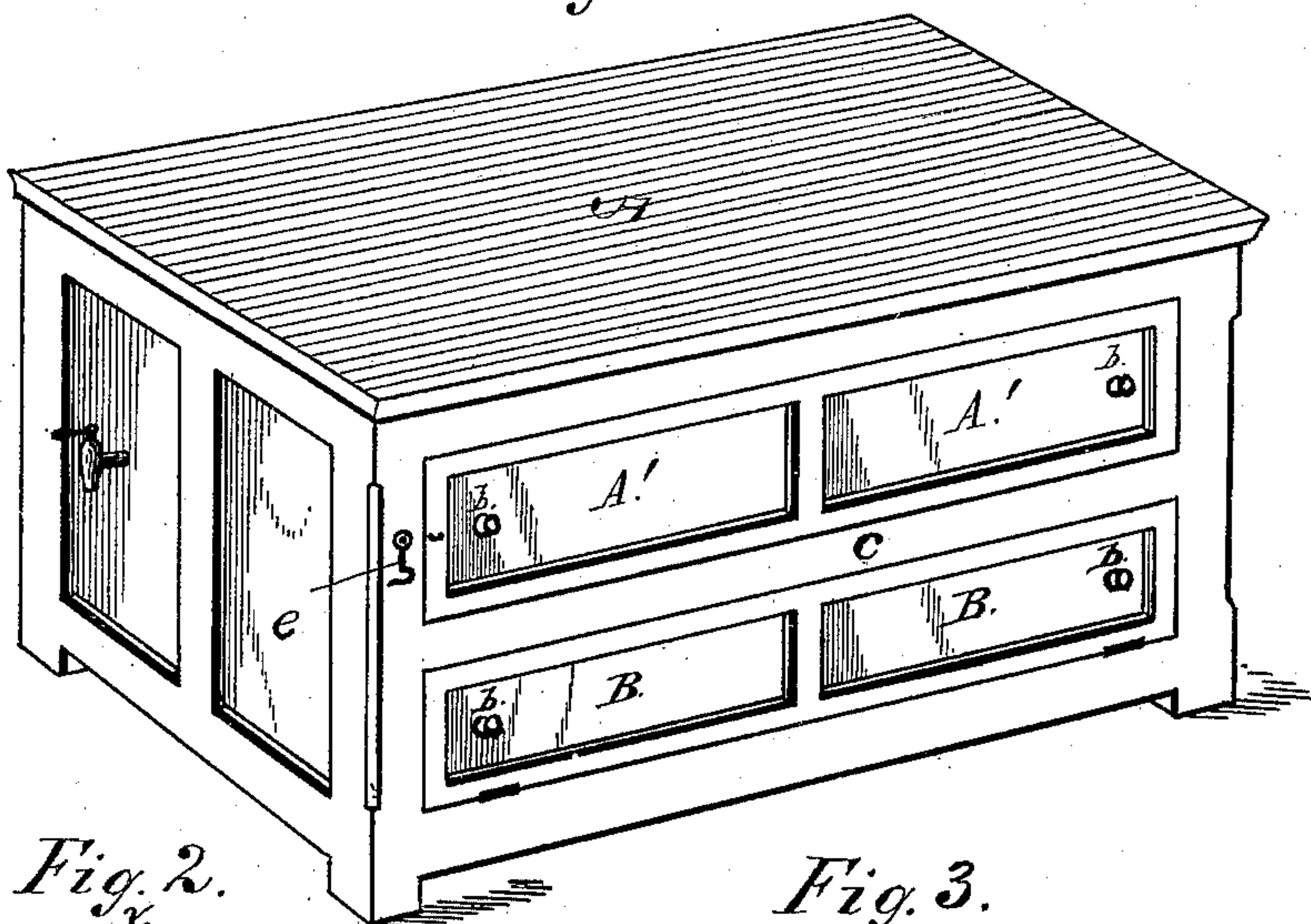


Fig. 2.

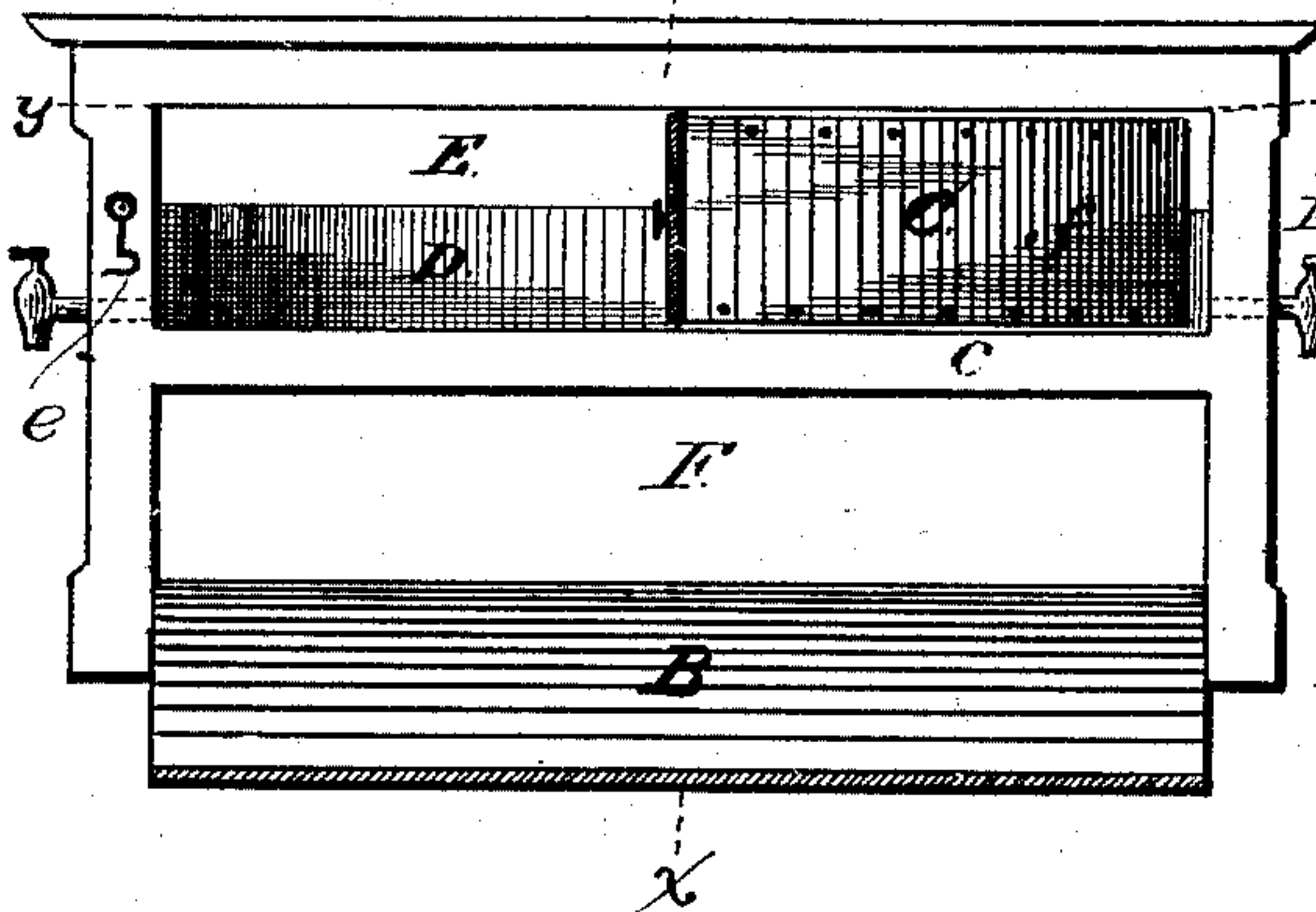


Fig. 3.

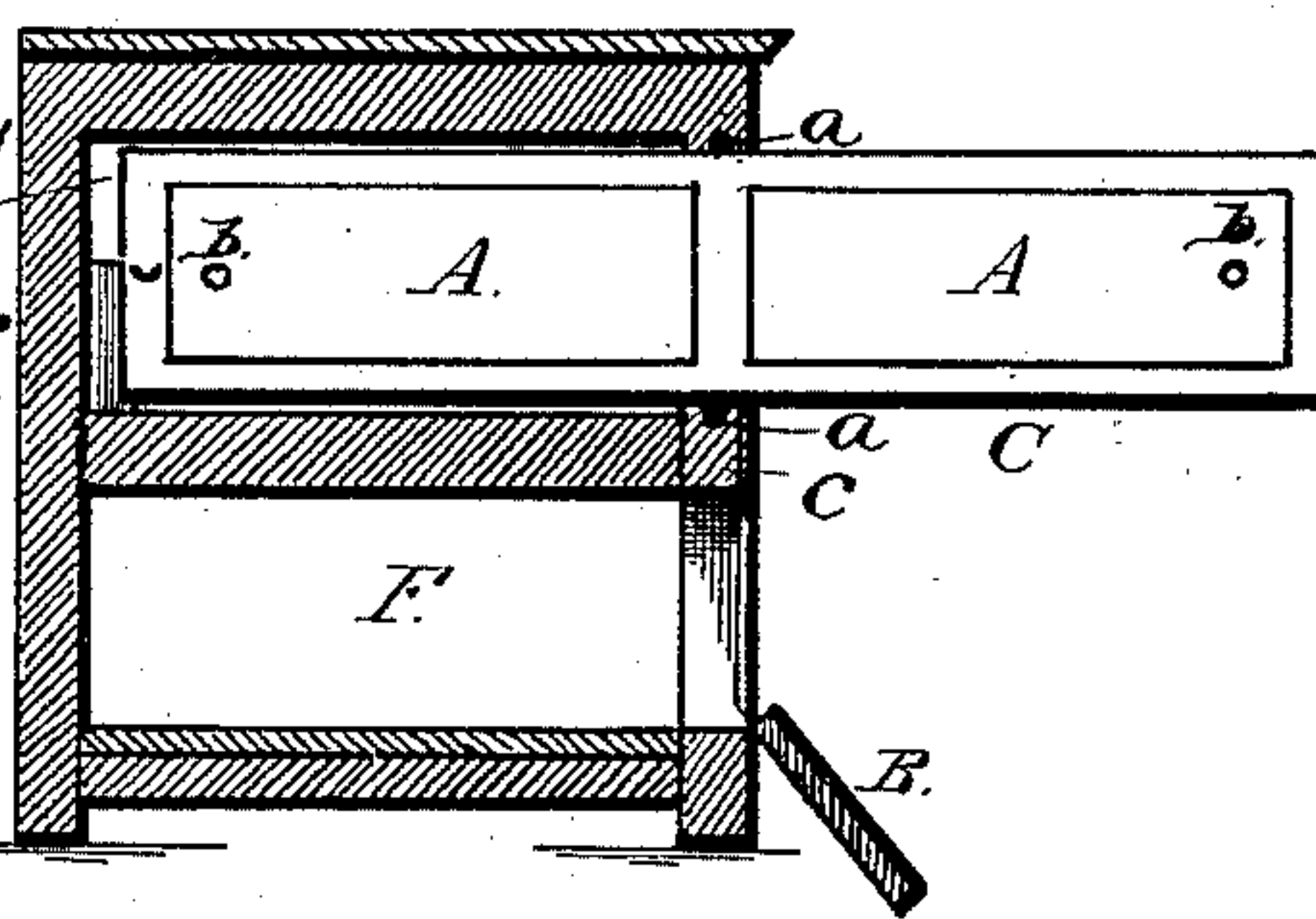


Fig. 4.

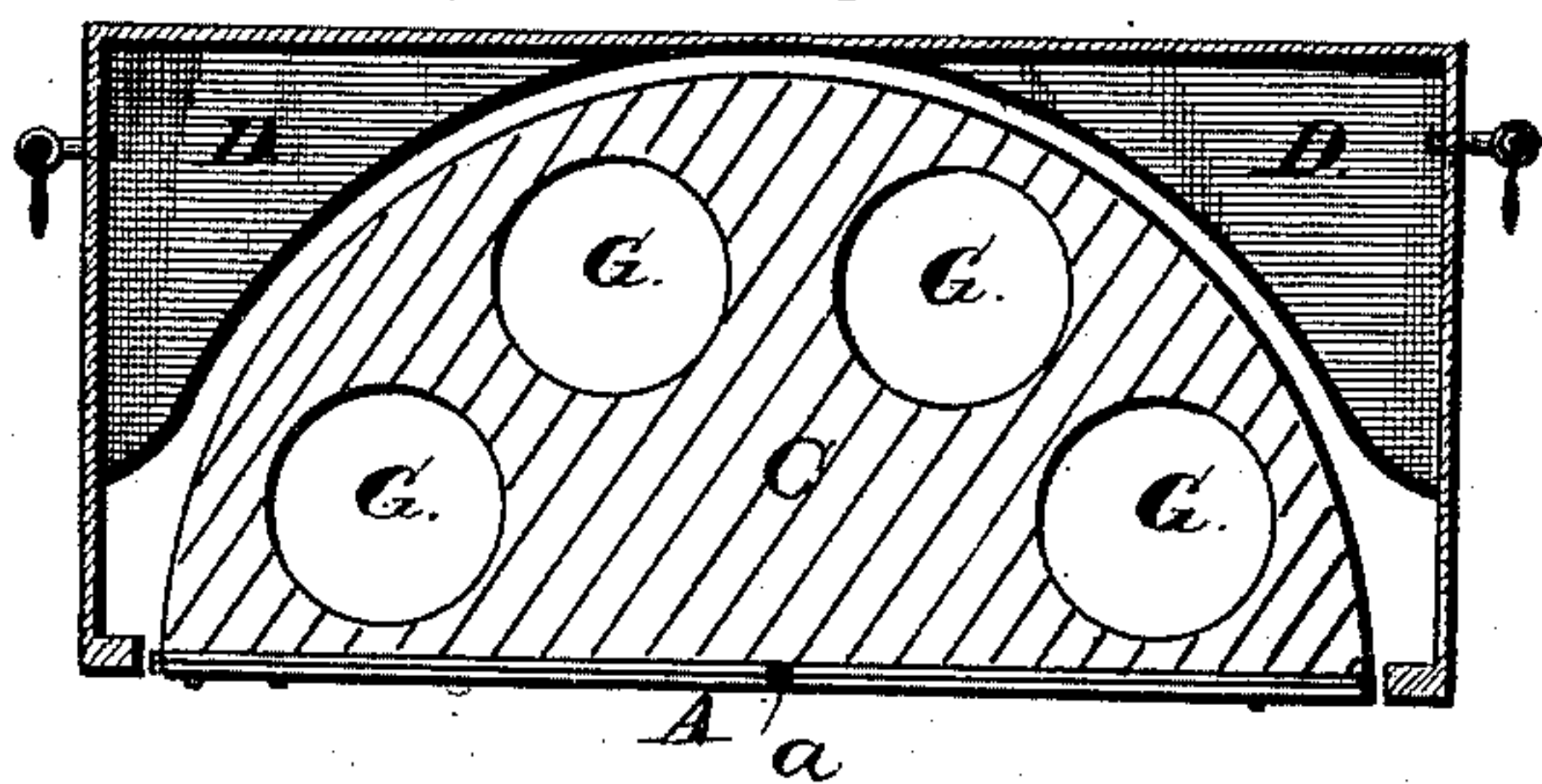
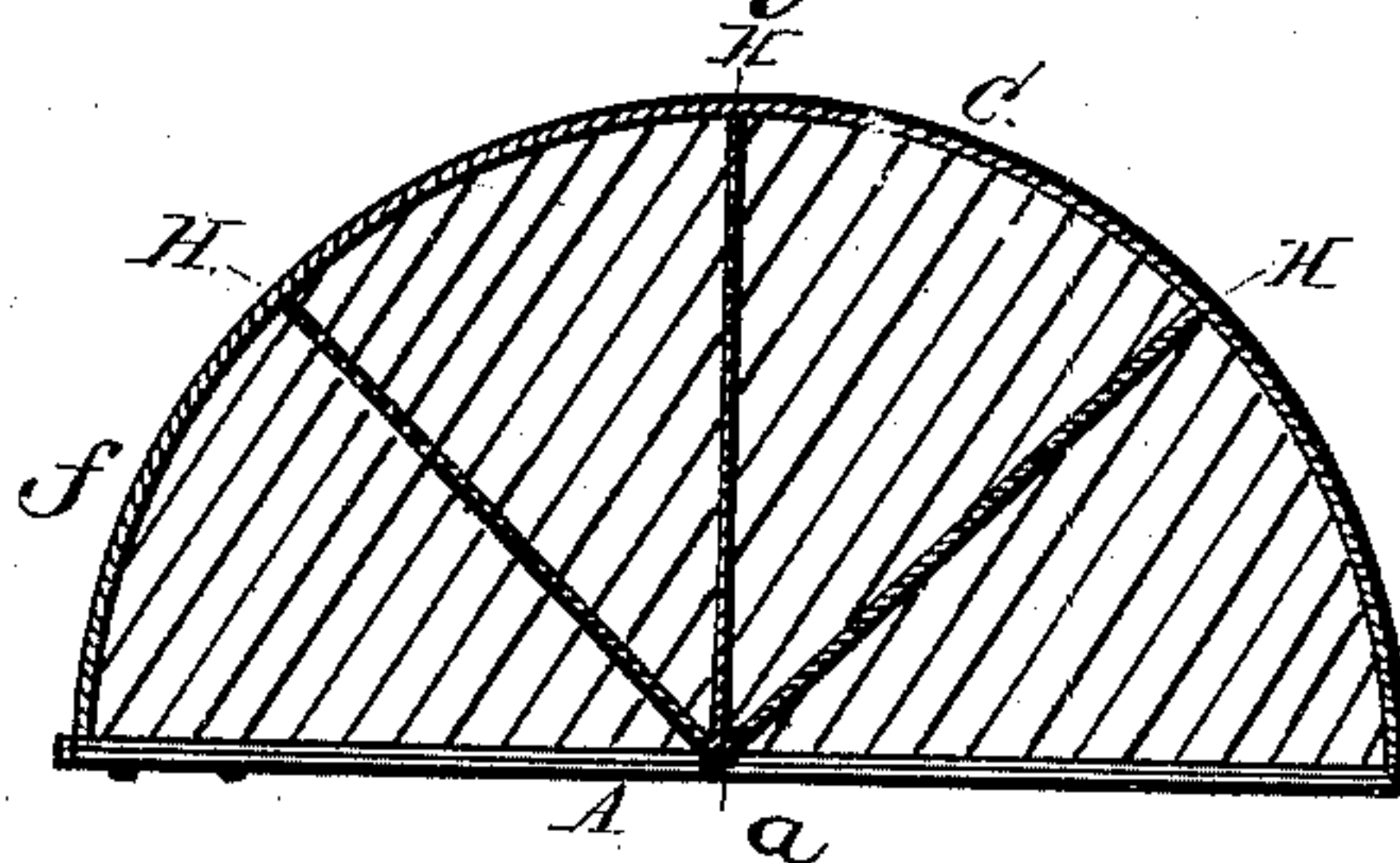


Fig. 5.



WITNESSES
Helmuth Holtz,
George J. Genewine,

INVENTOR
John L. Gray.
By his Attorney
W.R. Stimpfellow

UNITED STATES PATENT OFFICE.

JOHN LEE GRAY, OF NEW ORLEANS, LOUISIANA, ASSIGNOR OF TWO-THIRDS
TO JOHN DAVID LEWIS AND WILLIAM LEE SIMS, BOTH OF SAME PLACE.

REFRIGERATOR.

SPECIFICATION forming part of Letters Patent No. 370,469, dated September 27, 1887.

Application filed April 18, 1887. Serial No. 235,290. (No model.)

To all whom it may concern:

Be it known that I, JOHN LEE GRAY, a citizen of the United States of America, residing at New Orleans, in the parish of Orleans and State of Louisiana, have invented certain new and useful Improvements in Refrigerators, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to an improvement in refrigerators having oscillating carriers for butter and other articles to be kept cool; and it consists in the combination of a horizontally-oscillating carrier with concave ice-boxes and a suitable ice-chest, as will be fully understood from the following description, taken in connection with the annexed drawings, in which—

Figure 1 is a perspective view of my improved refrigerator closed. Fig. 2 is a front elevation showing the carrier half-open and the door to the lower compartment open. Fig. 3 is a vertical section taken centrally from front to rear of the case in the plane indicated by dotted lines *x x* on Fig. 2. Fig. 4 is a horizontal section through Fig. 2 in the plane indicated by dotted lines *y y* thereon, showing the semicircular carrier closed and provided with apertures for receiving butter-tubs. Fig. 5 is a modification of the semicircular carrier detached from the refrigerator-case, the modification consisting in radial partitions *H*, instead of the apertures shown in Fig. 4.

Referring by letter to the annexed drawings, *A* indicates the cases of the refrigerator, the upper compartment, *E*, of which is provided with ice-boxes *D D*, concave in front, as shown in Fig. 4, and having cocks for drawing off ice-water. The lower compartment, *F*, of the chest *A* is designed for the reception of vegetables, meats, &c., to be refrigerated, and this compartment is provided with a front door, *B*, hinged at its lower edge.

C designates a semicircular shelf or carrier, which is pivoted at *a a* to the front horizontal bar, *c*, of the case *A*, so that it can be oscillated or revolved about said pivots to open or close it. The front panels, *A' A'*, of this carrier are adapted to tightly close the front opening of the compartment *E* when the carrier is in the position indicated in Figs. 1 and 4, in which position the carrier may be held by a hook, *e*, or other equivalent fastening. The carrier *C* is preferably made with a semicircular flange, *f*, extending from end to end of the panels *A*, (which latter are provided with knobs *b b*,) and secured to a suitable semicircular bottom, which may have apertures *G* through it to receive and hold butter-tubs; or, in lieu of these apertures, radial partitions *H* (shown in Fig. 5) may be employed to subdivide the carrier.

In practice the bottom of the carrier may be reticulated or composed of rods, so that there will be a circulation of air through it.

It will be observed by reference to Fig. 4 that the concave flange which bounds the front of the ice-boxes *D D* is concentric to the axis of the vertical pivots *a a*, so that the ice-boxes are in close relation to the semicircular flange *f* of the carrier *C* when this carrier is wholly within the case *A*, as shown in Fig. 4.

Access can be had to the articles on the carrier by simply turning it about its axis.

Having described this invention, I claim—

A refrigerator consisting of a case, *A*, a semicircular oscillating carrier, and ice-boxes *D D*, the front flanges of which are concentric to the axis of the said carrier, substantially as described.

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

JOHN LEE GRAY.

Witnesses:

WILLIAM LEE SIMS,
JOHN DAVID LEWIS.