

A. B. SWEETLAND.

Refrigerator.

No. 68,258.

Patented Aug. 27, 1867.

FIG. 1

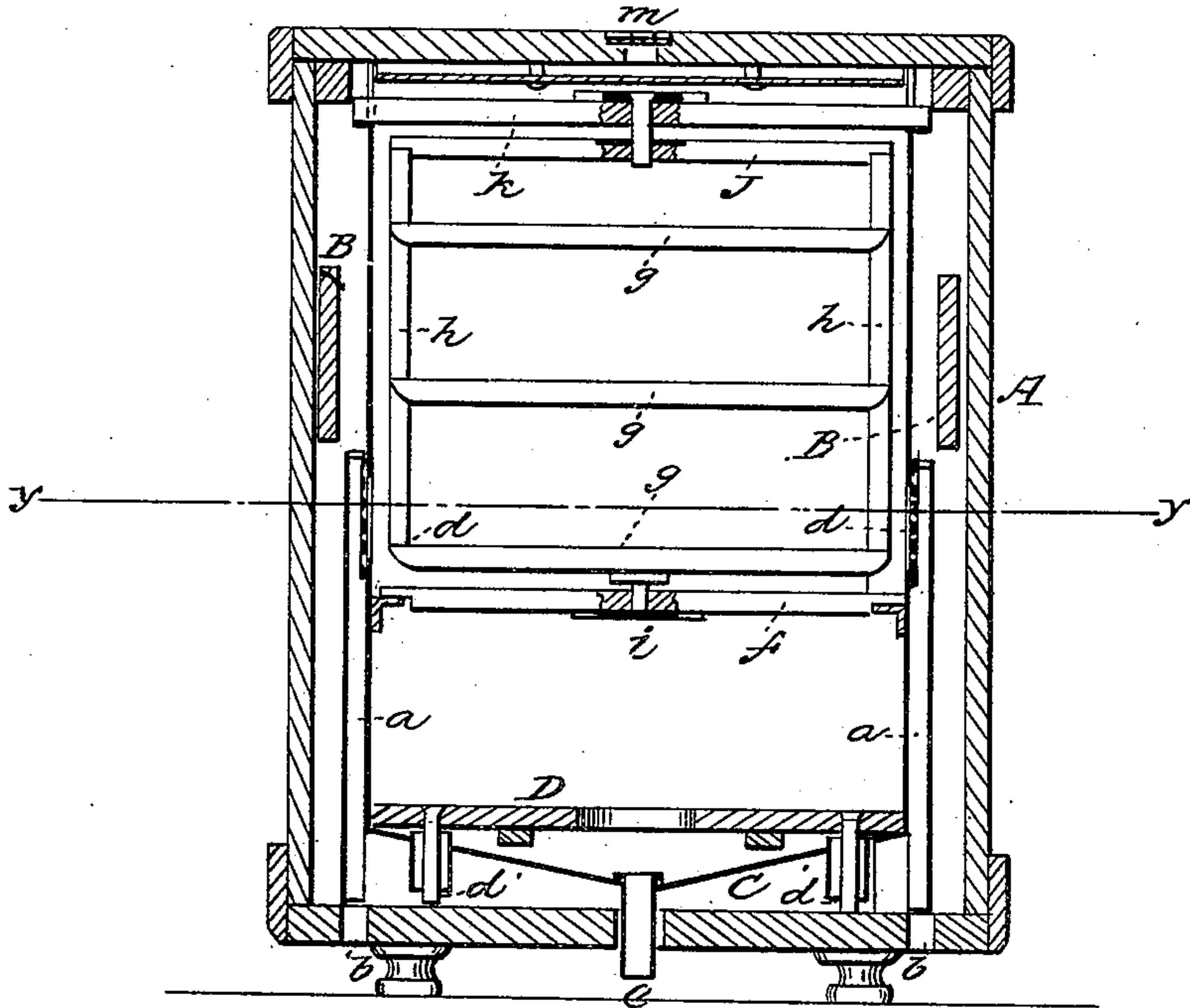
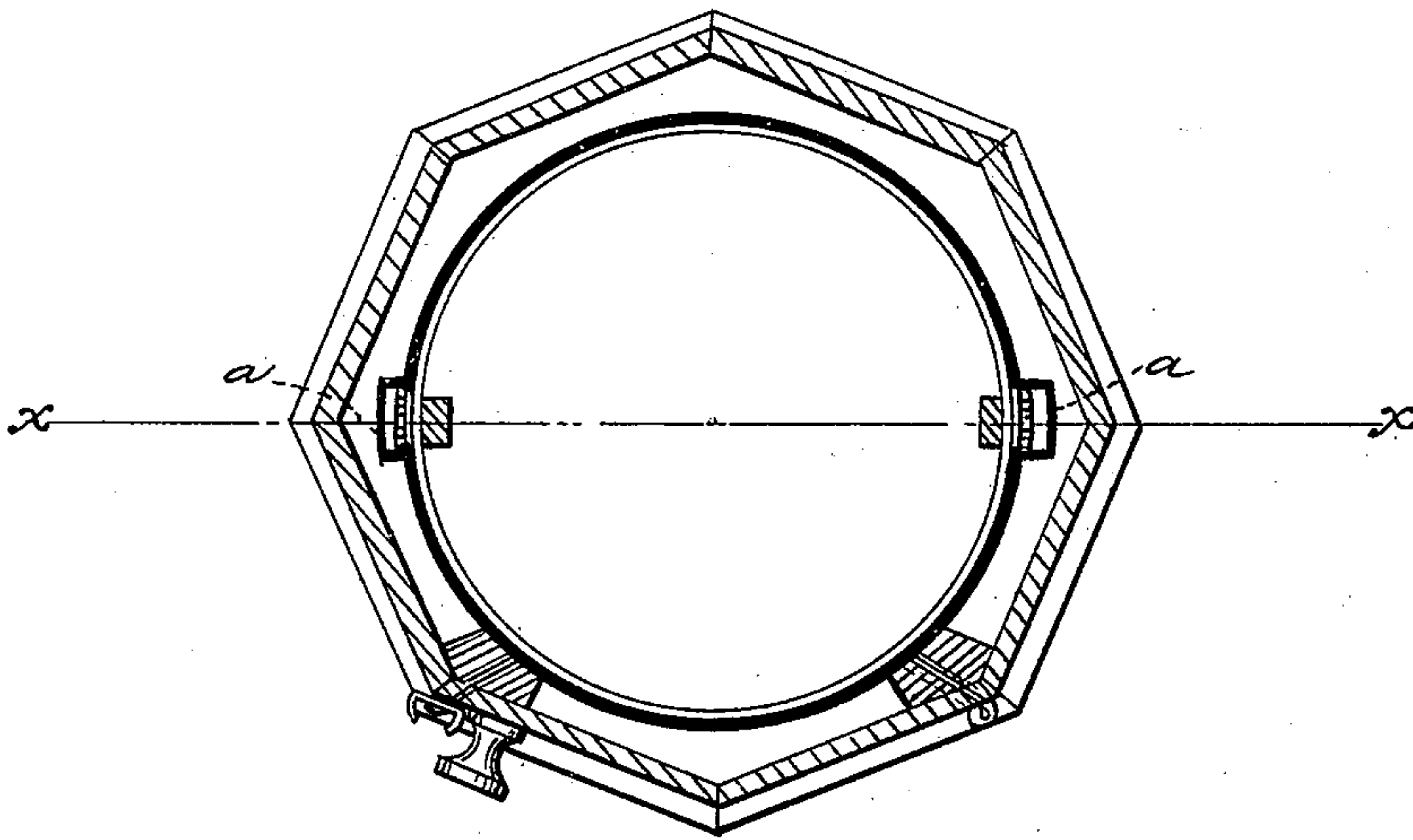


FIG. 2



WITNESSES:

J. H. Truocke.
J. A. Service

INVENTOR:

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United States Patent Office.

ANTHONY B. SWEETLAND, OF FITCHBURG, MASSACHUSETTS, ASSIGNOR
TO HIMSELF AND JAMES DALEY, OF THE SAME PLACE.

Letters Patent No. 68,258, dated August 27, 1867.

IMPROVED REFRIGERATOR.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, ANTHONY B. SWEETLAND, of Fitchburg, in the county of Worcester, and State of Massachusetts, have invented a new and useful improvement in Refrigerators; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to a new and improved method of constructing a combined refrigerator and safe; and it consists in constructing the same with revolving shelves, and in providing for the admission and discharge of air in a peculiar manner, and in the general construction and combination of parts, as will be hereinafter described.

Figure 1 represents a vertical central section through the line *x x* of fig. 2.

Figure 2 is a cross or horizontal section through the line *y y* of fig. 1.

Similar letters of reference indicate like parts.

A represents the outside casing of the refrigerator. B is the inner lining. C is the bottom of the lining. D is the platform for the ice, provided with two or more legs *d'*, which project through the inclined bottom of the lining, and rest upon the bottom of the case A, whereby the platform is raised slightly above the inclined bottom C, to allow a free circulation of air beneath it. *e* is the discharge pipe for the water. *b b* are apertures through the bottom of the outer casing, for the admission of air, which passes up through the air passages *a*, and is discharged into the interior of the refrigerator through the holes which are seen through the inner lining at *d*. *f* is a cross-bar, which is supported at its ends by the lining B. *g g g* are shelves. They are attached together by two or more rods *h*, and on the bottom of the lower shelf there is a pivot, *i*, which sets into a stop on the cross-bar *f*, as seen in the drawing. The rods *h* are connected at their top ends by a cross-piece, J, and above this cross-piece there is another cross-bar, *k*, which is supported by the inner lining B. *l* is a pivot, which passes through the bar *k*, and also through the piece J, as shown.

By this arrangement the shelves, (three, more or less,) are made to revolve. These shelves form the safe, where provisions and other articles may be placed, and kept cool, secure from flies and vermin. By revolving, the shelves are made much more convenient for use than they would be if they were stationary. The bottom of the inner lining is made dishing, so as to conduct the water to the central hole *e*. *m* is a hole through the top of the refrigerator, for the passage of air. By removing the top N the shelves can be taken out for cleaning or other purposes. The space between the outer casing and the inner lining may be filled with any non-conducting material, if desired.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The ice-bottom D, when provided with legs *d'*, projecting through the inclined lining C, and resting upon the bottom of the case A, as herein set forth, for the purpose specified.
2. The air passages *a*, formed upon the sides of the metallic lining B, whereby the air, entering the bottom at *b*, passes through the perforations *d* to the revolving shelves *g*, as herein shown and described.
3. The construction and arrangement of the perforated metallic lining B, having inclined bottom C, and provided with side air-tubes *a*, and central cross-bar *f*, supporting the movable shelves *g g* and removable perforated bottom D, all enclosed by the wooden casing A, as herein set forth, for the purpose specified.

ANTHONY B. SWEETLAND.

Witnesses:

CHARLES E. LOCK,
M. EDWIN DAY.