

M. SHAW.
Refrigerators.

No. 139,428.

Patented May 27, 1873.

Fig. 1.

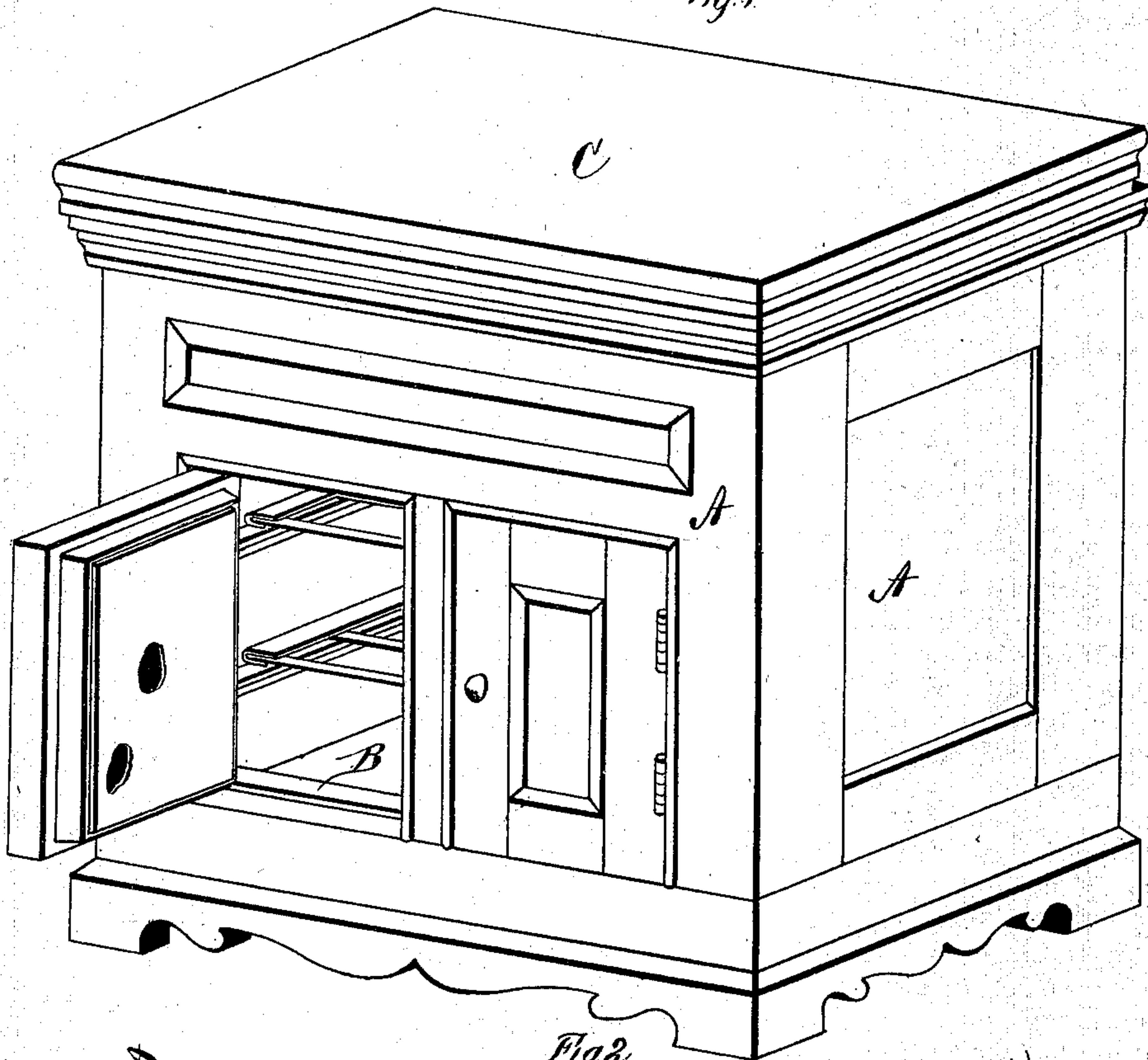
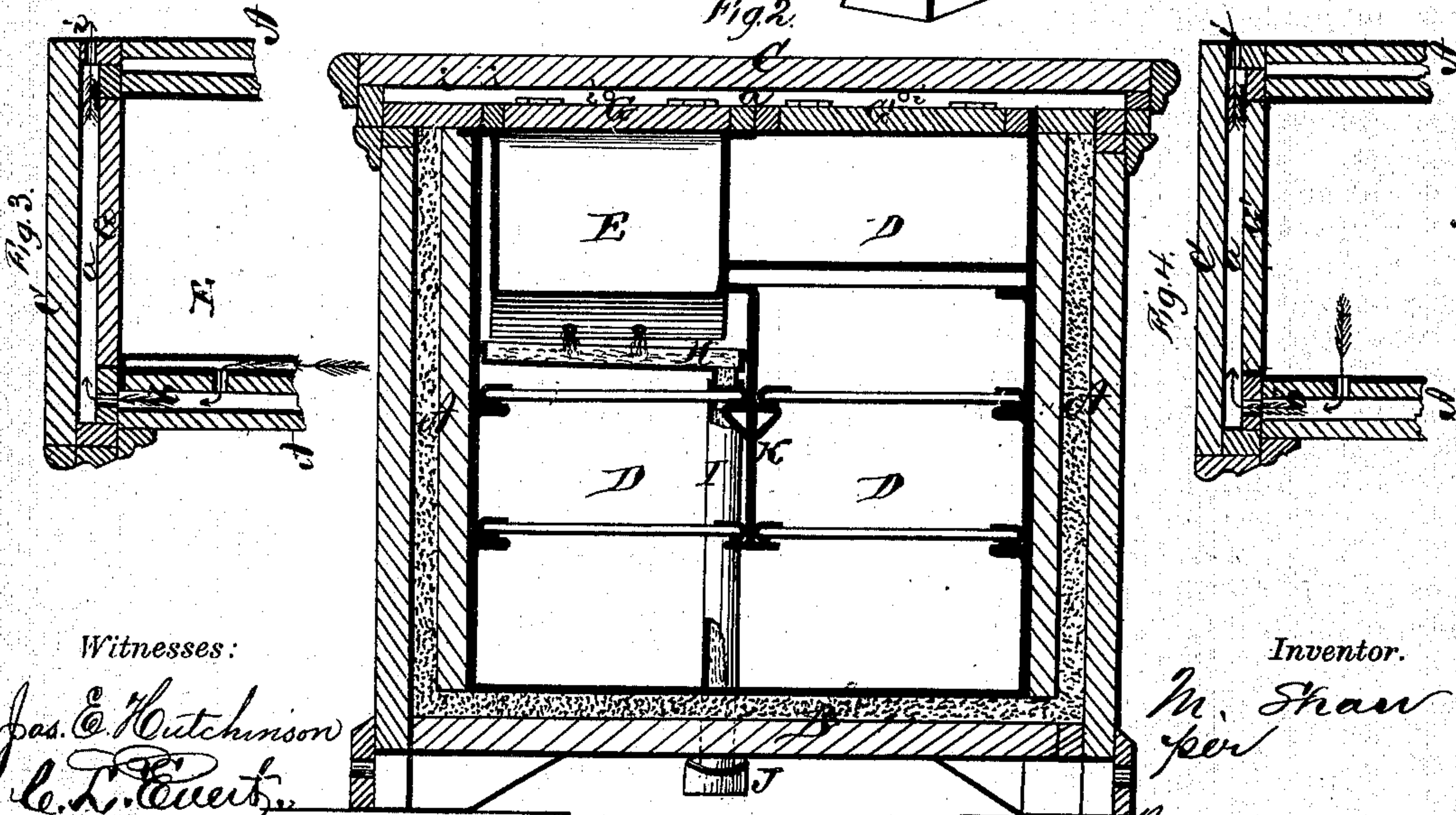


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

MATHEW SHAW, OF LAWRENCE, KANSAS.

IMPROVEMENT IN REFRIGERATORS.

Specification forming part of Letters Patent No. **139,428**, dated May 27, 1873; application filed March 25, 1873.

To all whom it may concern:

Be it known that I, MATHEW SHAW, of Lawrence, in the county of Douglas and in the State of Kansas, have invented certain new and useful Improvements in Refrigerator; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon making a part of this specification.

The nature of my invention consists in the construction and arrangement of a refrigerator, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a perspective view, and Fig. 2 a longitudinal vertical section, of my refrigerator. Figs. 3 and 4 are transverse vertical sections through the top part of the same.

A A represent the walls, B the bottom, and C the lid, of my refrigerator, these parts being constructed in any of the known and usual ways, the walls and bottom being made double, with suitable non-conducting packing. D D represent the provision-chamber, and E the ice-chamber. The ice-chamber E is made of galvanized iron, suspended in such a manner that it will hang clear of the walls of the refrigerator, and is covered with a hinged lid, G, so as to make it air-tight, thereby securing the full benefit of the ice. The bottom of the

ice-chamber being inclined carries off all sweat and drip to a gutter, H, with conductor I, which leads through the bottom of the refrigerator, and is at its lower end provided with a cup, J, to make it air-tight. K is a partition, made of galvanized iron, and extending to the bottom shelf of the refrigerator. The provision-chamber is also provided with a lid, G', and between the lids G G' and the main lid C is an air-chamber, *a*, as shown. *b b* are flues, leading from the upper part of the provision-chamber to the air-chamber *a*, to allow the warm and foul air to pass up and escape through openings *i i* in the main lid C. There is a thorough draft from the ice downward, and then up to the chamber *a*, carrying all foul air in its course, leaving the refrigerator perfectly pure.

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

The arrangement of the flues or passages *b b* within the walls of a refrigerator, connecting the interior of the same with the chamber *a* between the lids, in combination with the outlets *i i* from said chamber, as shown and described.

In testimony that I claim the foregoing I have hereunto set my hand this 19th day of February, 1873.

MATHEW SHAW.

Witnesses:

CHAS. CHADWICK,
J. A. HARD.