

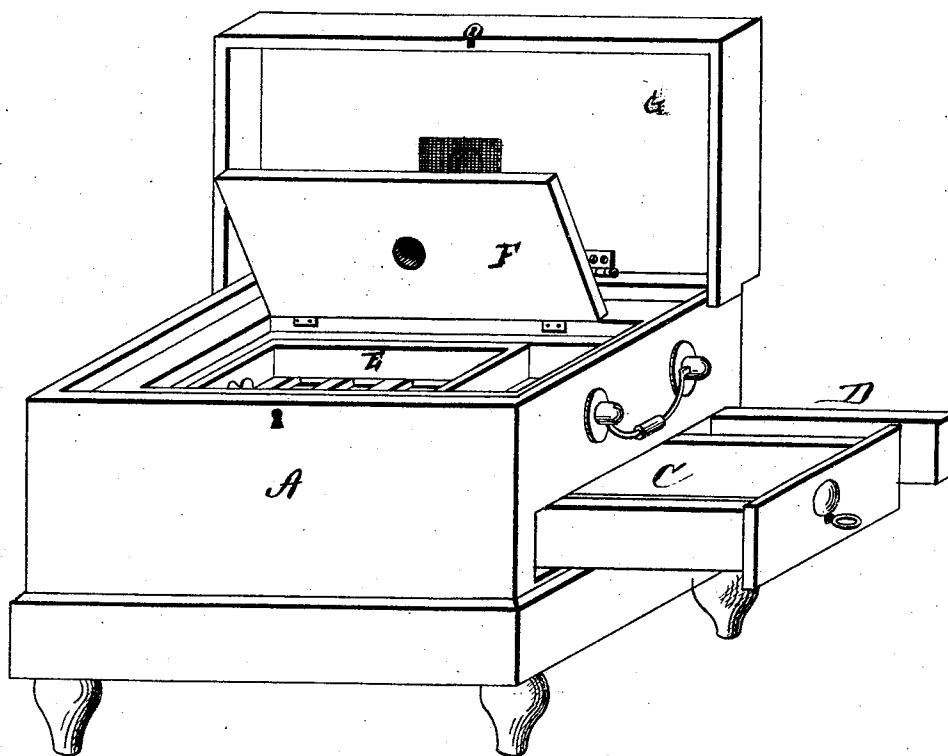
2 Sheets--Sheet 1.

O. C. JOHNSON.
Refrigerators.

No. 152,119.

Patented June 16, 1874.

Fig 1



WITNESSES.

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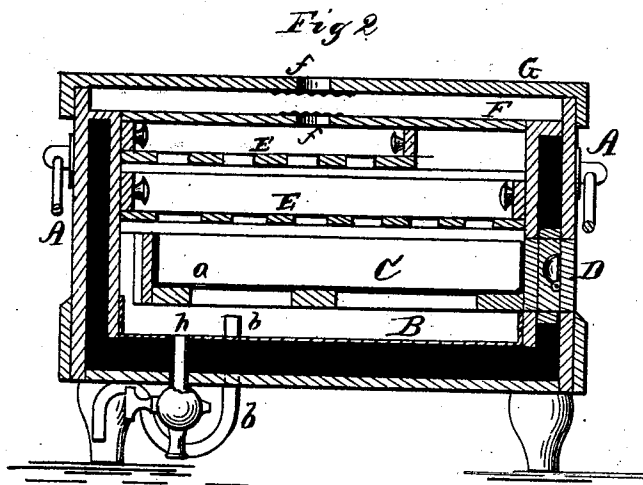
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UNITED STATES PATENT OFFICE.

OTIS C. JOHNSON, OF LOWELL, MASSACHUSETTS.

IMPROVEMENT IN REFRIGERATORS.

Specification forming part of Letters Patent No. **152,119**, dated June 16, 1874; application filed April 4, 1874.

To all whom it may concern:

Be it known that I, OTIS C. JOHNSON, of Lowell, in the county of Middlesex and in the State of Massachusetts, have invented certain new and useful Improvements in Refrigerators; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and the letters of reference marked thereon, making a part of this specification.

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

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 drawings, in which—

Figure 1 is a perspective view of a refrigerator embodying my invention, and Fig. 2 is a longitudinal vertical section of the same.

A represents the refrigerator-box, which is provided with a series of trays, E, an outer lid, G, and an inner lid, F, both of said lids having ventilating-openings *f f*, as shown. In the bottom of the refrigerator is formed a pan or water-chamber, B, above which is the ice-drawer C. This ice-drawer may be inserted either from the front or either end, as desired, and when inserted a door, D, fills up the side of the refrigerator. In the bottom of the ice-drawer C is an aperture, *a*, for the passage of the waste water from the ice-drawer to the water-chamber B below. *b* represents the waste-pipe to carry off the surplus water from the water-chamber, said pipe being below the bottom of the refrigerator, provided with the ordinary seal to prevent the ingress of air to

the inside. The upper end of the waste-pipe *b* extends a suitable distance above the bottom of the water-chamber, so as to retain a body of water in the bottom of the refrigerator. Between this body of water and the bottom of the ice-drawer is thus constantly retained a body of cold air, which prevents the ice in the drawer from melting as fast as it otherwise would. A pipe, *h*, with spigot, is provided to draw off all the water from the chamber B.

The ice-drawer C is open at the top and can be drawn out and inserted, so as to introduce the ice without removing the articles in the refrigerator.

The water-chamber forms a part of the refrigerator, and the drawer C can be removed without, in any manner, affecting the water in the chamber.

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

The combination with the refrigerator-box A, with inner and outer lids F G, and one or more removable trays, E, of the water-chamber B, waste-pipe *b* extending above the bottom of the water-chamber, and the removable ice-drawer C, the water-chamber being independent of the ice-drawer, all constructed substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 16th day of March, 1874.

OTIS C. JOHNSON.

Witnesses:

ABEL T. ATHERTON,
JOB W. DUPEE.