H. D. LITTLE.

Improvement in Refrigerators.

No. 129,671. Patented July 23, 1872.

Fig. 1.

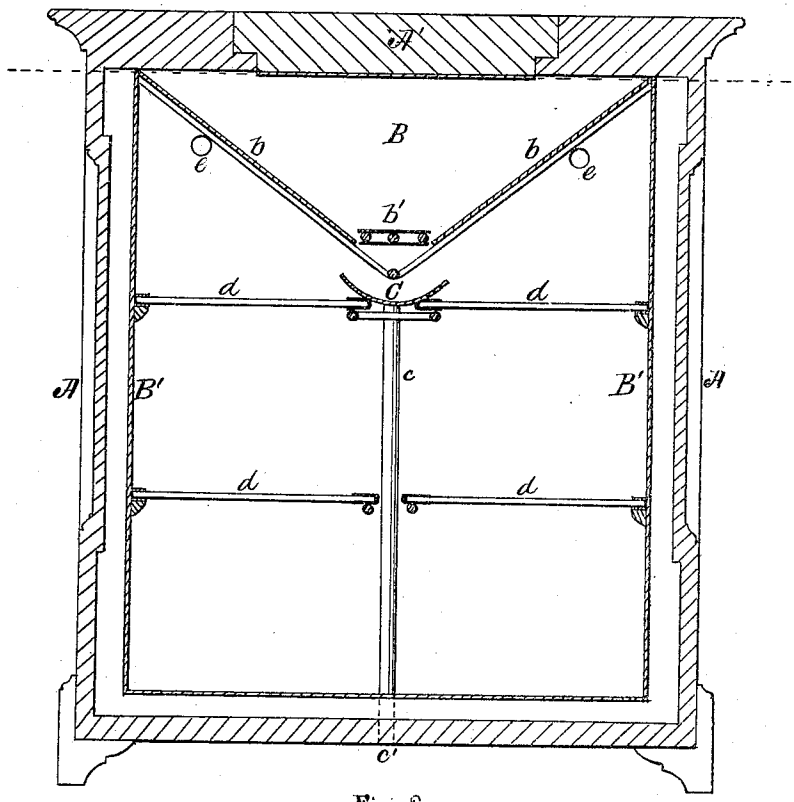
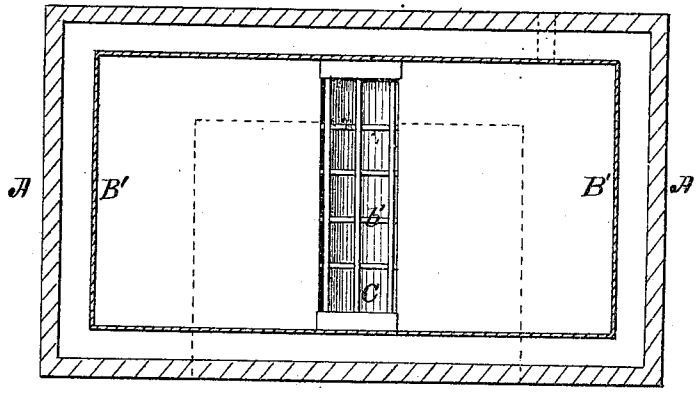


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

HENRY D. LITTLE, OF ROCKFORD, ILLINOIS.

IMPROVEMENT IN REFRIGERATORS.

Specification forming part of Letters Patent No. **129,671**, dated July 23, 1872.

I, HENRY D. LITTLE, of Rockford, in the county of Winnebago, in the State of Illinois, have made certain Improvements in Refrigerators, of which the following is a specification:

In the drawing, Figure 1 is an upright sectional view of the refrigerator, and Fig. 2 is a horizontal sectional view on the line of the under side of the cover.

The invention consists in the construction and arrangement of the ice-chamber with relation to other parts of the refrigerator, whereby greater refrigerating influences are obtained, as will be fully hereinafter described.

A is the outside case of the refrigerator, and A′ is the lid upon the top of the refrigerator, and opening into the ice-chamber. B is the triangular ice chamber or box, and at its top covers the entire top surface of the inner chamber, and has inclined sides *b b* extending from the point of connection at the top of the chamber with the inner walls B′ of the refrigerator to the point at which the inclined sides meet at the bottom, where the frame-support of the sides meet together; but the sides themselves do not meet, but are cut short, and form an opening for the water that is produced from the melting of the ice to escape and fall into a receiving-trough, C, that is directly under the drip of the ice-chamber, and extends from the front transversely across the inside of the refrigerator to the rear side, where the flow of water is led off by the waste or drain pipe *c*, and through to the bottom, to fall into any vessel placed underneath it. *b′* is an open grate for the support of the ice at the lower point of the ice-chamber, and through and at each side of which the water from the melted ice can freely escape into the trough C. *d d* are the shelves in the cool-chamber underneath the ice-chamber, and supported in the usual manner. *e* is a ventilator-aperture for the purpose of allowing the heated or warm air to escape, of which there may be one or more on each side of the ice-chamber and near the top of the cooling-chamber.

The advantage gained by this particular form of ice-chamber can be readily seen, as it covers the entire top of the interior chamber, and has sloping sides which facilitate the keeping the ice as it melts in a compact state. All the water can freely drip from the melting ice, and the warm air is free to escape through the ventilator-holes *e*, as the outwardly-sloping sides of the ice-chamber have the effect to conduct the warm air to the place for its escape from the cool chamber.

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

The improved refrigerator, having the triangular-formed ice-chamber B, covering the entire top of the cooling-chamber, grate *b′*, water-trough C, drain-pipe *c*, and ventilator-holes *e*, constructed and arranged in the manner and for the purpose substantially as described.

HENRY D. LITTLE.

Witnesses:
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