

No. 105,959.

PATENTED AUG. 2, 1870.

W. B. MASON.
REFRIGERATOR.

Witnesses
Edward Griffith
Geo. A. Loring

William B. Mason
by his Attorney
Frederick Curtis

Fig. 1.

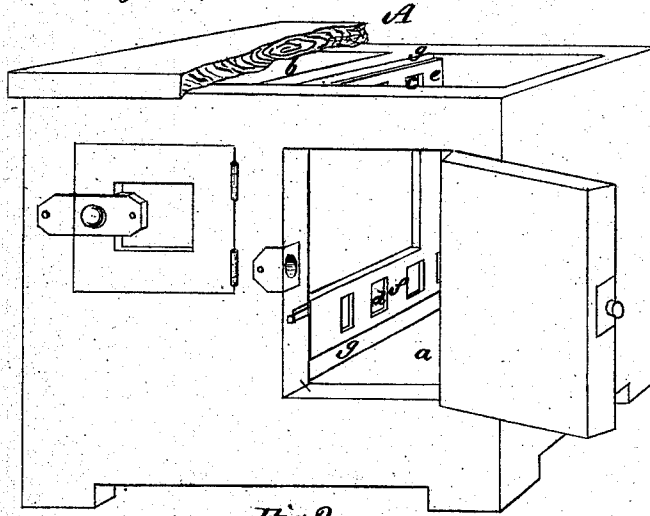
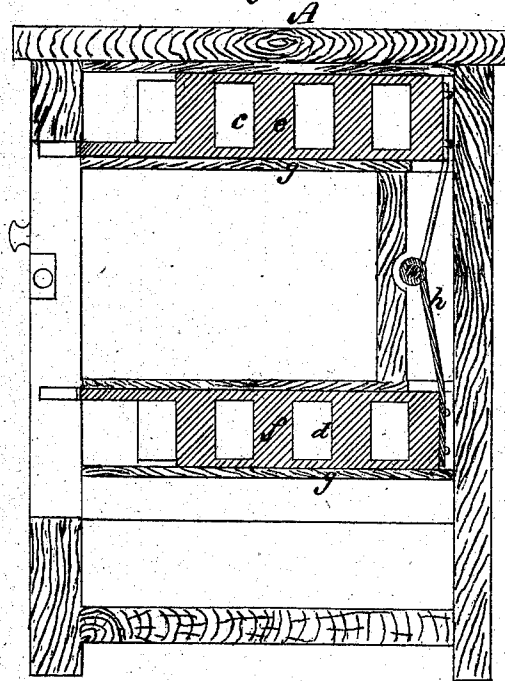


Fig. 2.



United States Patent Office.

WILLIAM B. MASON, OF BOSTON, MASSACHUSETTS.

Letters Patent No. 105,959, dated August 2, 1870.

IMPROVED REFRIGERATOR.

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

To all to whom these presents shall come:

Be it known that I, WILLIAM B. MASON, of Boston, in the county of Suffolk and Commonwealth of Massachusetts, have made a new and useful improvement in Refrigerators; and do hereby declare the following to be a full, clear, and exact description thereof, due reference being had to the accompanying drawing making part of this specification, and in which—

Figure 1 is a perspective view.

Figure 2, a vertical section of a refrigerator containing my invention.

This invention relates to a class of refrigerators in which the ice is contained in an apartment separate from the provision-chamber, a series of ports or passages being created between the two for circulation about the ice, such ports being usually disposed at the upper and lower parts of said ice apartment, whereby warm air is carried from the provision-chamber through the upper ports to and over and about the ice, and the cold air enters the provision-chamber through the lower ports.

The drawing which accompanies this specification represents at A a refrigerator, of which *a* is the provision-chamber.

b, the ice-well or apartment; and

c d, the openings or ports, such ports being disposed at the top and bottom of the ice-well, and communicating with the provision-chamber, this arrangement of ports being substantially the same as in certain refrigerators now in use.

In carrying out my invention, I apply to the outer face of each range of ports a sliding gate or register, *e* or *f*, this register being supported in guides or ways *g g*, &c., in such manner as to slide freely to and fro of the ports, and to open and close the same, as the case may be.

h, in the drawing, represents a spring, fixed at its center to the wall of the ice-chamber, and with its opposite ends abutting one against each register, by which means the registers are forced outwardly, and into such a position as to close the series of air-ports.

The front extremity of each register extends into such a position as to be struck by the door of the structure upon closing of the same, the effect of which is to open the two series of ports and permit of the proper circulation.

Upon opening the door, the springs advance the registers to such an extent as to close the ports and prevent access of warm air to the ice-well or apartments, thus preventing the external warm air of the apartment in which the refrigerator is situated from entering the ice-chamber.

The value of this invention will be apparent when it is borne in mind that, owing to carelessness, the door of a refrigerator is frequently left open for a considerable length of time.

Claim.

In a refrigerator, substantially such as herein described, the arrangement, with relation to the provision-chamber and its door, of the ice-well, registers *e f*, applied to the upper and lower ports leading to said well, and spring *h*, applied to said registers, substantially as described, so that, when the door of the provision-chamber is closed, it will open the upper and lower registers, and, when it is opened, it will allow the spring to cause said registers to close the openings leading from the provision-chamber to the ice-well, as set forth.

WILLIAM B. MASON.

Witnesses:

FRED. CURTIS,
E. GRIFFITH.