

L. GIEBRICH.

Improvement in Refrigerators.

No. 127,593.

Patented June 4, 1872.

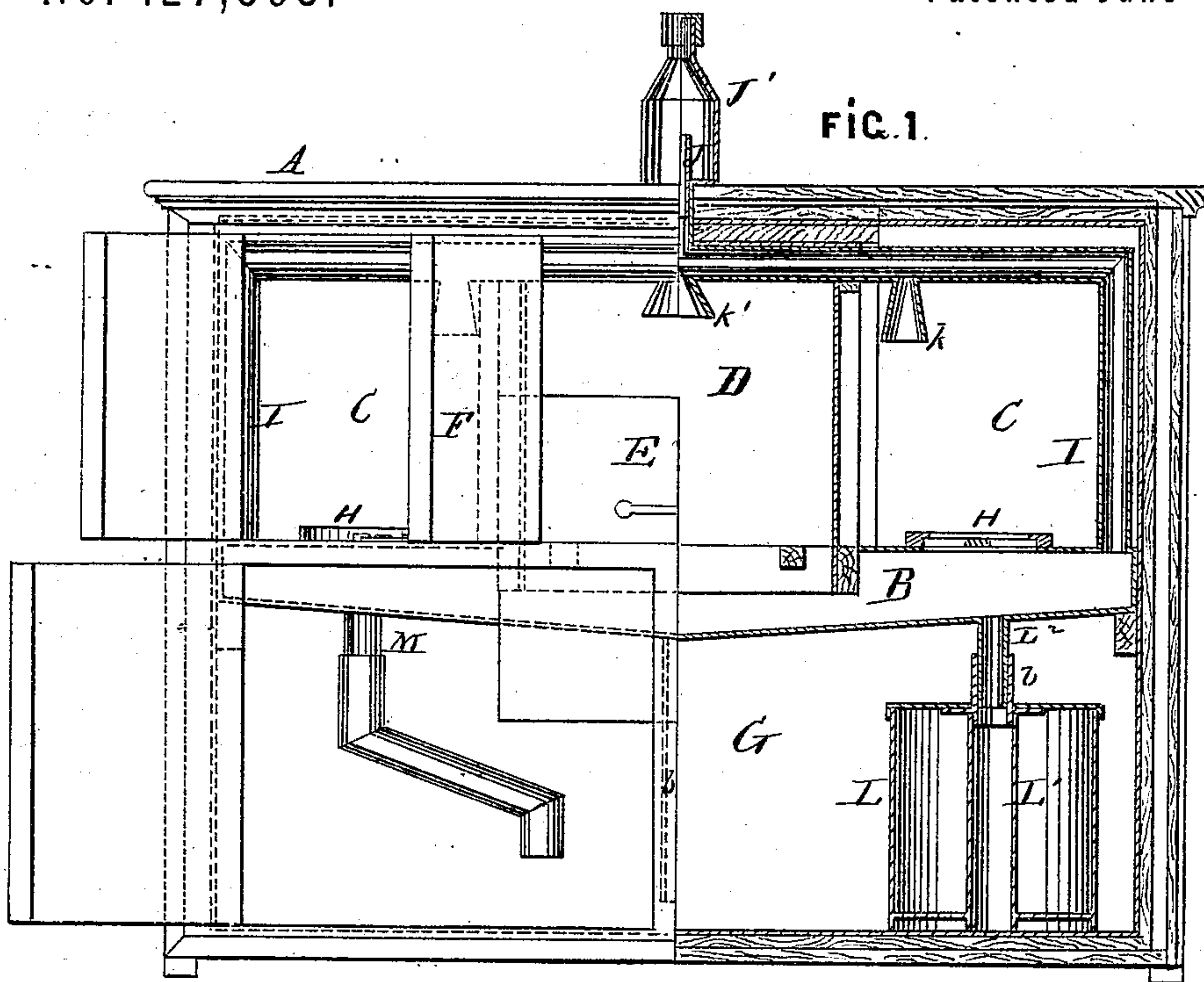
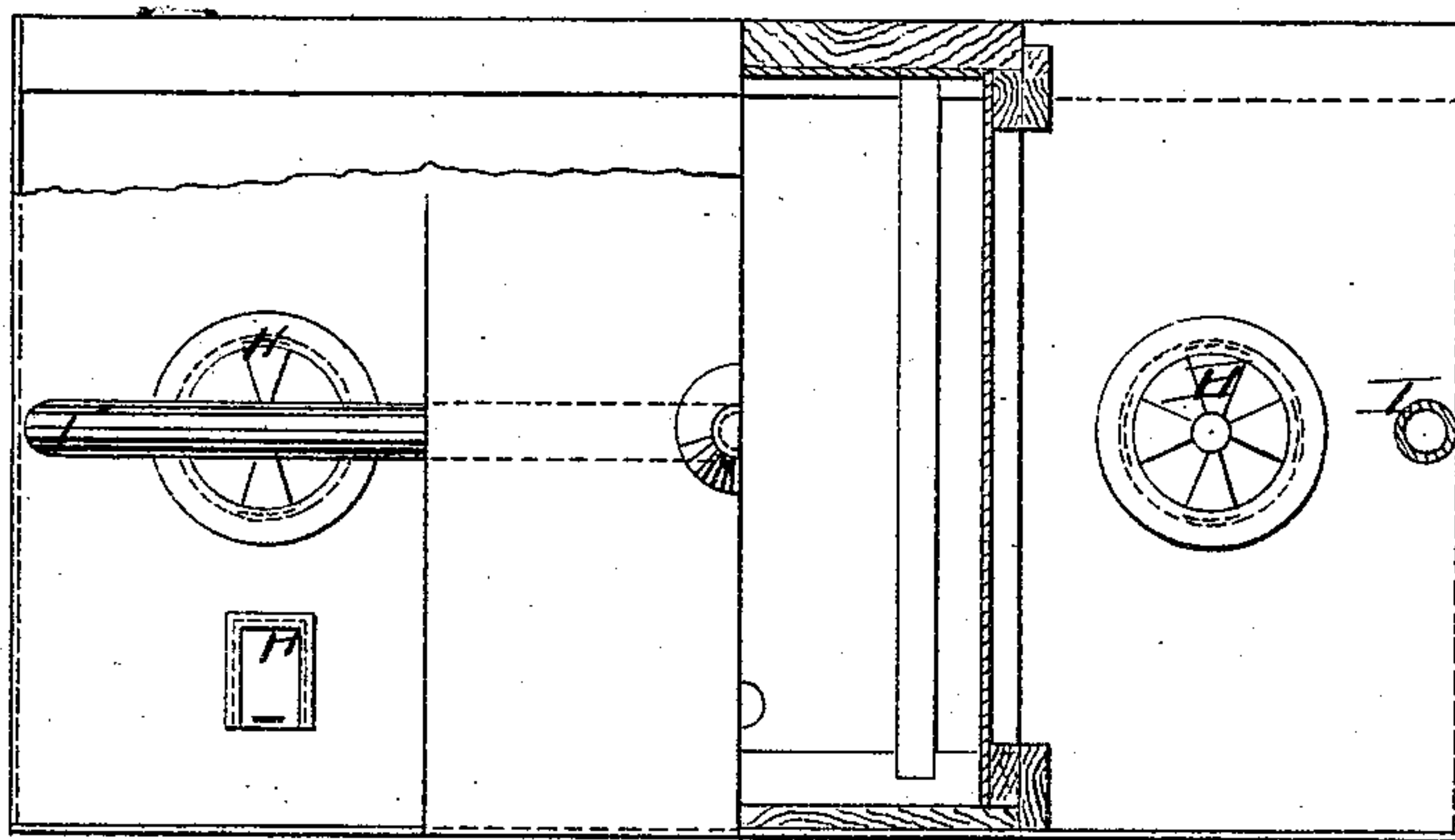


FIG. 2.



WITNESSES.

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# UNITED STATES PATENT OFFICE.

LOUIS GIEBRICH, OF OTTUMWA, IOWA, ASSIGNOR TO CAROLINE GIEBRICH,  
OF SAME PLACE.

## IMPROVEMENT IN REFRIGERATORS.

Specification forming part of Letters Patent No. 127,593, dated June 4, 1872.

*To all whom it may concern:*

Be it known that I, LOUIS GIEBRICH, of Ottumwa, in the county of Wapello and State of Iowa, have invented a new and valuable Improvement in Refrigerators; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a vertical section of my invention. Fig. 2 is a partly horizontal section of the same.

This invention has relation to refrigerators; and consists in the construction and novel arrangement of ice-receptacle, cooling-chambers, water-tank, and ventilators, all substantially as hereinafter described.

In the drawing, A represents a refrigerator-case of ordinary construction. The interior of said refrigerator is divided into an upper and lower part by means of a metallic tank, B. The upper division is partitioned off into three compartments, C D C. D is an ice-receptacle, and has an open slotted bottom. The water from the ice drains into the tank B, and is carried off by a pipe, *b*, as waste, or may be used for drinking purposes. In the latter case any suitable filtering material may be placed in the water-tank. The ice-compartment is provided with a sliding and a hinged door, marked, respectively, E F. The compartments C C and G are cooling-chambers. Ventilators H are fitted to the bottoms of the compartments C C opening into the tank. These ventilators may be opened or closed, as desired. I represents ventilating-tubes leading from the ends of the tank B to the center of the ice-box, and there connecting with a tube, J, which enters a ventilator, J', on the top of the refrigerator. Flaring tubes *k* conduct the cold air from said tubes into the cooling-chambers, and promote ventilation. *k'* is a flaring ventilator at the top of ice-box, communicating with tube I. The ventilator

J is a cylinder with a conical top and capped. The construction of said ventilator causes the air to be condensed therein, and conduces to the perfect ventilation of the ice-box and cooling-chambers, keeping them dry. The lower cooling-chamber may be used for containing fluids, as milk, &c. L represents a milk-can, provided with a central tube, L<sup>1</sup>. A tube, L<sup>2</sup>, leading from the tank B is provided with a sliding section, *b*, which is fitted to the tube L<sup>1</sup> when the milk-can is placed in the refrigerator. M is another tube leading from said tank. A double-elbow section, N, may be fitted to the end of said tube, and directed to any course desired.

As will be seen the bottom of the water-tank is inclined from both ends toward the center. The water will all flow to this point, and none be allowed to pass through the tubes L<sup>2</sup> M. The whole upper part of the refrigerator may be used for containing ice by removing the partitions separating the compartments C from the air-tight ice-box, and also by removing the metallic bottoms of said compartments and substituting slats.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The improved refrigerator, having the central water-tank B, the lower cooling-chamber G, upper cooling-chamber C, central upper ice-box D, and ventilating-tubes I, all arranged substantially as specified.

2. The milk-cooler L, having the central tube L<sup>1</sup>, in combination with the tank B and tubes *b* L<sup>2</sup>, substantially as specified.

3. The combination and arrangement of the conical-capped ventilator J', tube J, ventilating tubes I, flaring sections *k* *k'*, ice-box D, cooling-chamber C, and tank B, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

Witnesses: LOUIS GIEBRICH,  
NORTON HINSEY,  
JOHN VAUGHN.