

T. SMITH.
Refrigerator Water-Coolers.

No. 137,867.

Patented April 15, 1873.

Fig. 1

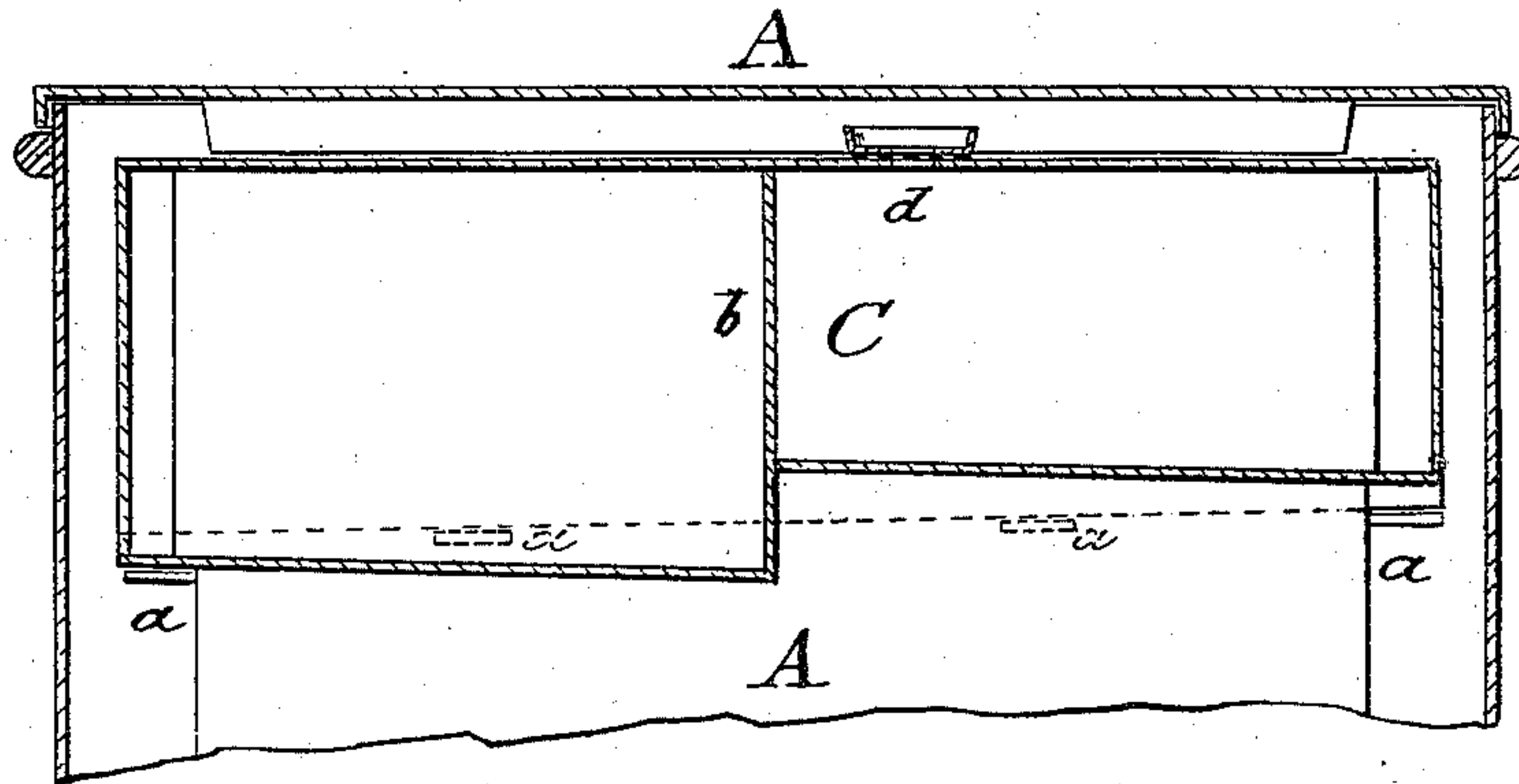
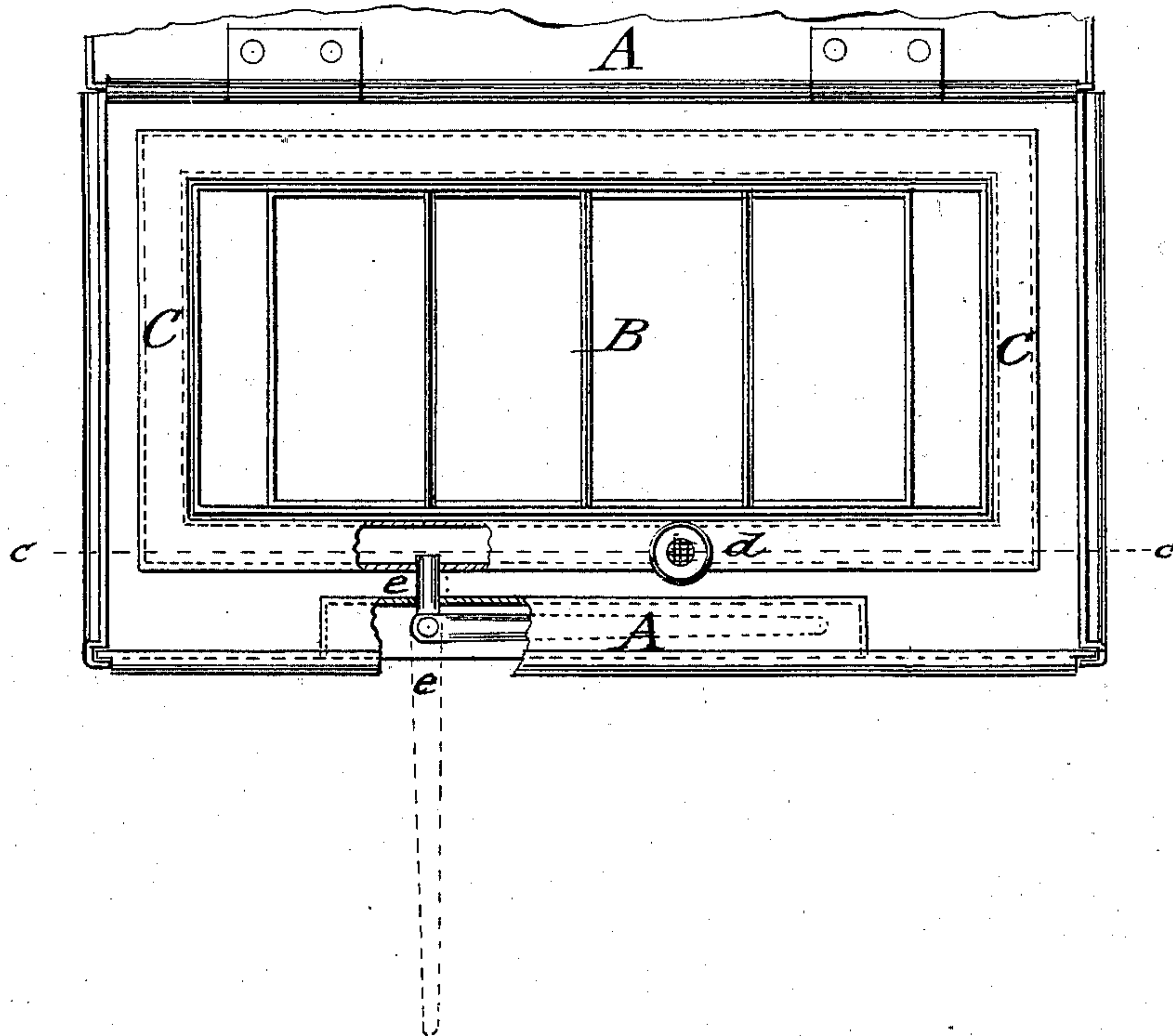


Fig. 2



Witnesses:

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Per

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UNITED STATES PATENT OFFICE.

THOMAS SMITH, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN REFRIGERATOR WATER-COOLERS.

Specification forming part of Letters Patent No. **137,867**, dated April 15, 1873; application filed March 15, 1873.

To all whom it may concern:

Be it known that I, THOMAS SMITH, of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Refrigerator Water-Cooler, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a vertical longitudinal section through my improved refrigerator water-cooler on the line *c c*, Fig. 2; and Fig. 2 is top view of the same, showing its arrangement around the ice-chamber of the refrigerator.

The object of my invention is to construct a cooler for water and other liquids, to be arranged in the common refrigerator in use, by which the liquids are cooled and drawn off at pleasure, avoiding thereby the admixture of ice-water and its impurities with the liquids used for drinking purposes. My invention consists of a rectangular hollow casing around the ice-chamber of the refrigerator, into which the liquid to be cooled is admitted by a funnel-shaped opening and drawn off by a faucet, the bottom part of the cooler being inclined so that the cooled liquid may be drawn off completely at the lowest point, and the cleaning of the cooler be fully accomplished.

In the drawing, A represents the body of a common refrigerator; B, the ice-chamber of the same. The cooler C is enveloping or surrounding the ice-chamber B, and rests on suitable supports or lugs *a*, being in contact with the ice on one side and the non-conducting layer of the refrigerator on the other. A partition, *b*, of the front part of the cooler forces

the water, lemonade, or other liquids around the whole casing, which is greatly assisted by the inclination of the bottom parts of the cooler. Every side of the bottom has a slight fall, beginning at a point of the partition as the highest point, running along the sides of the ice-chamber, and returning to a point below the starting-point, as the lowest. The funnel *d* above the highest point of the cooler-bottom serves for the admission of the liquid; a faucet, *e*, at the lowest point for drawing off the water, as may be desired. The faucet *e* passes through the front wall of the refrigerator to be easily handled. By a stopper or cock the funnel *d* may be closed air-tight, if it should be so required.

Cooler C may be easily taken out of the refrigerator for thorough cleaning, and every drop of liquid drawn off by means of the inclined bottom.

The advantages of liquids cooled in such a manner, in a sanitary view, over those cooled by the melting ice, are obvious.

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

In combination with the ice-chamber of a refrigerator, a cooler, C, having an inclined bottom, and funnel *d* and faucet *e*, as shown and described.

THOS. SMITH.

Witnesses:

T. B. MOSHER,
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