

T. GATES.
Refrigerator.

No. 33,642.

Patented Nov. 5, 1861.

Fig. 1.

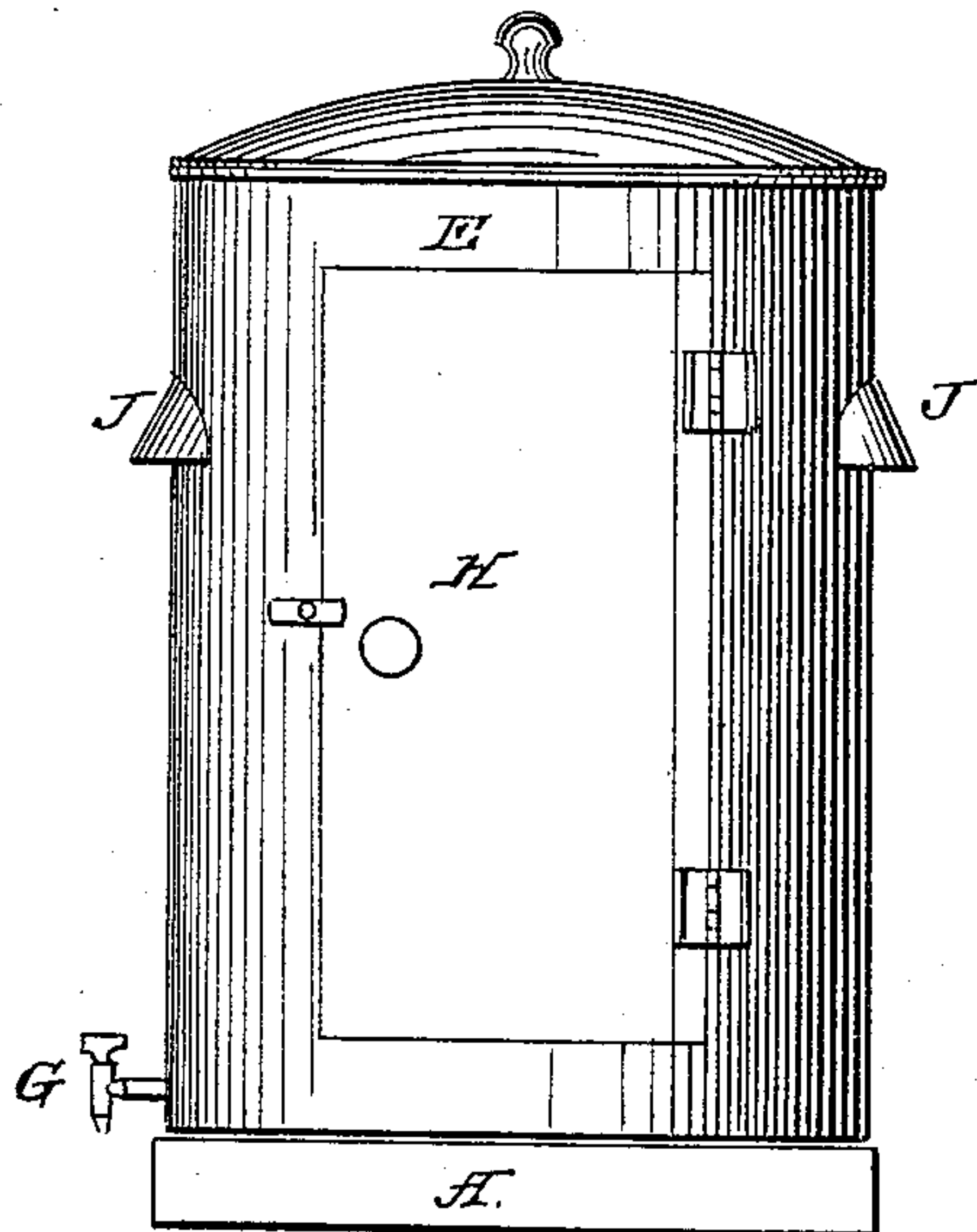
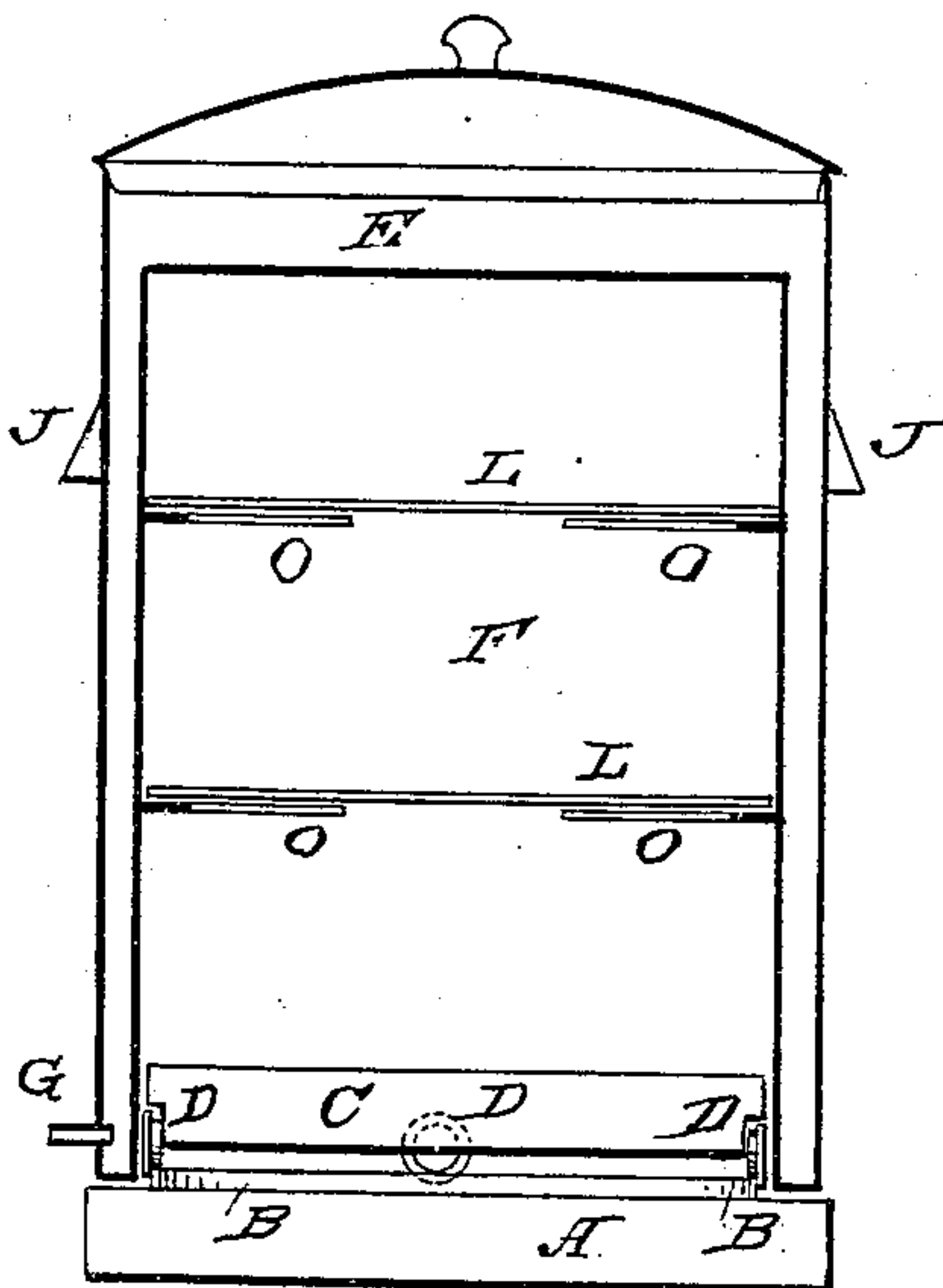


Fig. 2



Witnesses
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UNITED STATES PATENT OFFICE.

THOMAS GATES, OF WORCESTER, MASSACHUSETTS.

IMPROVED REFRIGERATOR.

Specification forming part of Letters Patent No. 33,642, dated November 5, 1861.

To all whom it may concern:

Be it known that I, THOMAS GATES, of the city and county of Worcester, State of Massachusetts, have invented certain new and useful Improvements in Refrigerators; and I do hereby declare the following to be a full, clear, and exact description of the same, due reference being had to the accompanying drawings by the letters of reference marked thereon, in which—

Figure 1 shows a side view, and Fig. 2 a perpendicular section through the center, the same letters denoting the same parts in each.

The object of my invention is to furnish a convenient and effective cooling apparatus that shall be adapted to use in such case as that of retailing butter from the keg or firkin and other similar purposes; and to that end its nature consists in the following construction, to wit:

A is a base on which is a circular railway B.

C is the table having flanged or grooved wheels D D D, which run on B, thus allowing the table C to be easily turned around.

E is the ice-case, its cover taking off to put in the ice, and having a chamber F in its center large enough to admit the table C, for which purpose F is made open at the bottom. This chamber F is surrounded by the ice-case E, except where the doorway is cut through for the door H.

G is a faucet, by which the ice-water can be drawn from E, the entire case resting on the base A around C.

J J are handles to lift the top from the base, in order to accommodate any article too large to pass through the door, as a keg of butter,

which is turned out on the table C and the keg removed, and the ice-case is placed over the butter, and when any is to be taken the door is opened and the quantity required cut, the movable table enabling the operator to get at all parts with facility.

L L are movable shelves resting on the cleats O O O O. To render it most effective, the ice should be broken, so that some of it will fall down around the chamber F, while the larger portion lies upon its top; or it may be all made fine enough to put around it, or left in large lumps on its top, in which case the water therefrom passes down on all sides. Where it is intended to keep it closed for a long time, it may be best to make a small opening at the top and bottom of the door for ventilation, though for common purposes it is not necessary, the opening and closing of the door changing the air sufficiently.

I do not claim surrounding a chamber with an ice-chest with double walls, or the combination of a cooler and cover for the mere purpose of setting over articles to be cooled; but

What I do claim as new, and desire to secure by Letters Patent, is—

The refrigerator as described, consisting of the ice-case, chamber, and base, with its movable table, when constructed in the manner and for the purpose above set forth and described.

In testimony whereof I have hereunto set my hand in the presence of two witnesses.

THOMAS GATES.

Witnesses:

E. H. STARK,

JAMES G. ARNOLD.