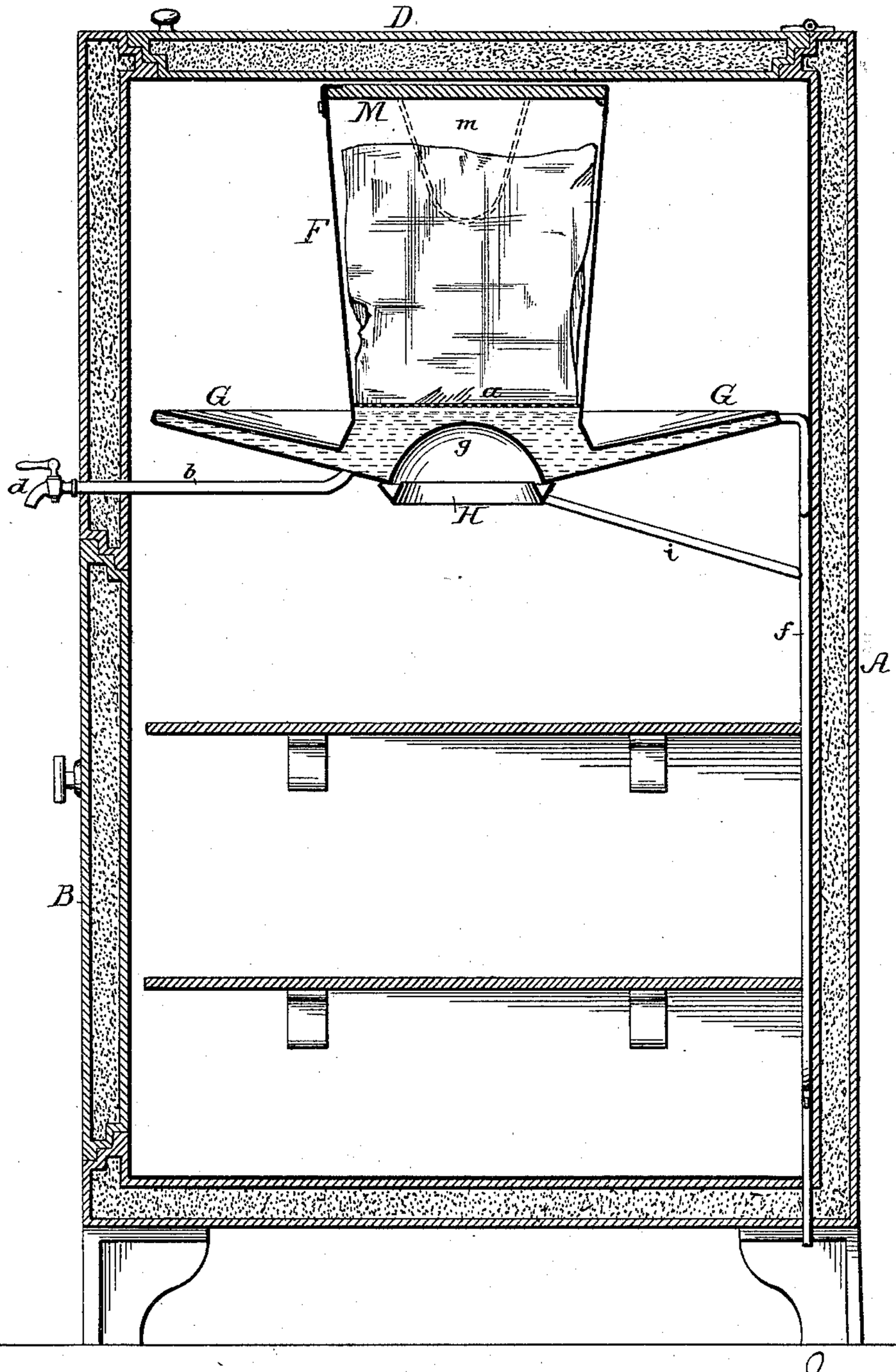
(No Model.) 2 Sheets—Sheet 1.

J. D. COLONY.

REFRIGERATOR.

No. 330,208. Patented Nov. 10, 1885.

FIG. 1.



Witnesses:
George O. Gibson
Harry Drury

Inventor:
J. D. Colony
by his Attys.
Howson & Sons

(No Model.) 2 Sheets—Sheet 2.

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REFRIGERATOR.

No. 330,208. Patented Nov. 10, 1885.

FIG. 2.

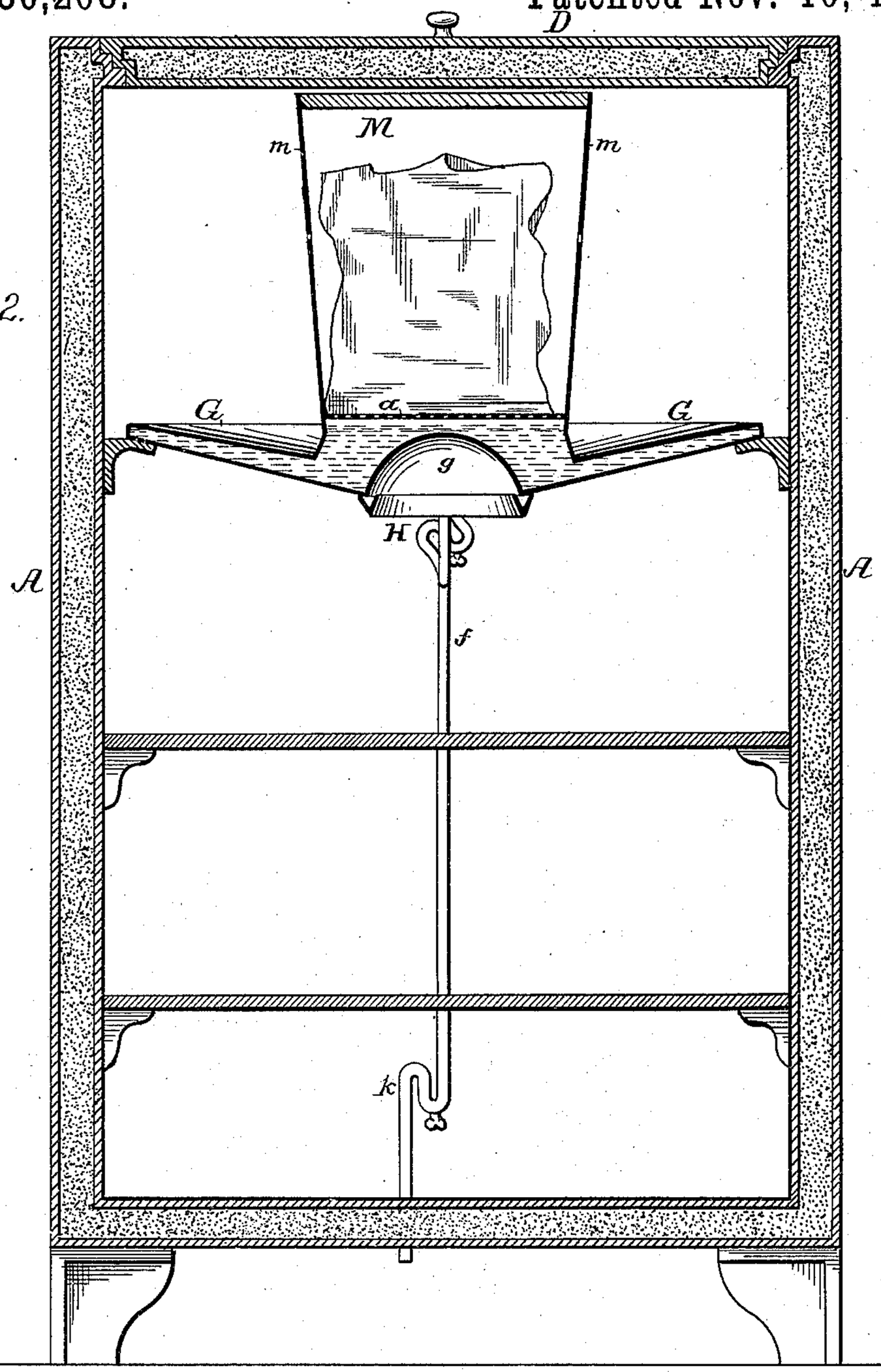


FIG. 3.

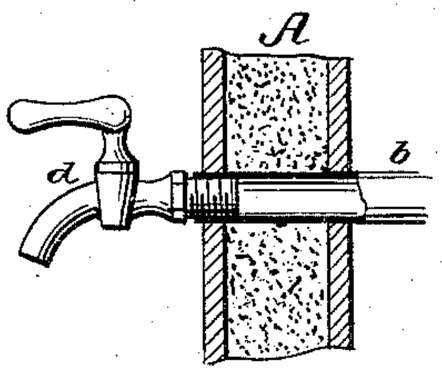
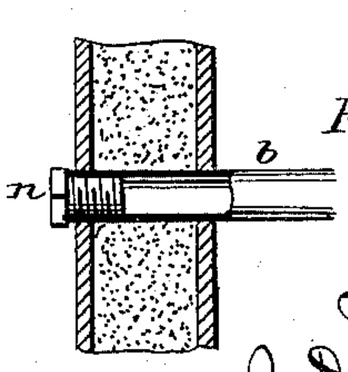


FIG. 4.



Witnesses:
George E. Gibson
Harry Drury

Inventor:
J. D. Colony
by his attys.
Howson & Sons

UNITED STATES PATENT OFFICE.

JOSIAH D. COLONY, OF PHILADELPHIA, PENNSYLVANIA.

REFRIGERATOR.

SPECIFICATION forming part of Letters Patent No. 330,208, dated November 10, 1885.

Application filed July 2, 1885. Serial No. 170,468. (No model.)

To all whom it may concern:

Be it known that I, JOSIAH D. COLONY, a citizen of the United States, and a resident of Philadelphia, Pennsylvania, have invented certain Improvements in Refrigerators, of which the following is a specification.

The objects of my invention are to so construct a refrigerator as to prevent the rapid melting of the block of ice by the water, to prevent injury to the ice-receptacle when the block of ice is introduced into the same, and to provide an extended air-cooling surface in the provision-chamber. These objects I attain in the manner hereinafter set forth, reference being had to the accompanying drawings, in which—

Figure 1 is a longitudinal section of a refrigerator constructed in accordance with my invention; Fig. 2, a transverse section of the same, and Figs. 3 and 4 enlarged views of part of the refrigerator.

A is the usual packed casing of the refrigerator, having the front door, B, and top lid, D, for permitting access to the provision-chamber and ice-receptacle. The provision-chamber may have any desired arrangement of supporting trays or shelves, this forming no part of my invention. Located centrally in the upper portion of the provision-chamber is the ice-receptacle F, which consists of a vessel of rectangular or other suitable form, having a projecting hollow base, G, which, in the present instance, flares upwardly and outwardly, so that the outer rim of the base is about on a level with a perforated ice-supporting shelf or tray, *a*, in the receptacle. The receptacle is provided with the usual pipe, *b*, with spigot *d*, so that the water which is due to the melting of the ice, and which accumulates in the lower portion of the receptacle, can be drawn off for drinking purposes. When the block of ice is contained in this water, however, the ice is more rapidly melted than when it is supported above the water; hence I provide the hollow base G of the ice-receptacle with an overflow-pipe, *f*, which prevents the rise of the water in said receptacle to or above the level of the supporting-shelf *a*, so that no portion of the block of ice is contained in the water. In the bottom of the casing of the receptacle F is a recess, *g*, which serves to increase the area of said casing with which the air can come in contact, this recess also preventing the accumulation of a large volume of water in the center of the receptacle, and thereby directing the water into the hollow base G, so that a small volume of water is sufficient to fill the hollow base, and thus insure the presentation of an air-cooling surface of large area. Beneath the receptacle F is a drip-catcher, H, which communicates with the overflow-pipe *f* through a pipe, *i*, and said pipe *f* has a trap, *k*, so that air is prevented from entering the provision-chamber.

In an ordinary refrigerator the ice-receptacle is such that if the block of ice is almost as wide as the receptacle the ice-carrying tongs cannot enter the latter in order to properly deposit the block of ice therein, and it frequently happens that the receptacle is broken or strained, so as to become leaky, by reason of the dropping of the block of ice onto the bottom of the receptacle. In order to overcome this objection, I form in each side of the receptacle F a recess of sufficient depth to accommodate the tongs carrying the block of ice, and thus permit the latter to be deposited upon the grating *a* before being released from the hold of the tongs, this recess being closed by side wings, *m*, on the lid M of the ice-receptacle when the latter is down.

Owing to the overflow-pipe *f* the water can never rise in the receptacle F to such an extent as to leak through the recesses in the sides of the same.

The outer end of the drain-pipe *b* is threaded for the reception of the threaded branch of the spigot *d*, and in case it is not desired to use for drinking purposes the water due to the melting of the ice the outer end of the pipe *b* may be closed by means of a screw-plug, *n*, as shown in Fig. 4.

I claim as my invention—

1. The combination of the ice-receptacle of a refrigerator, having an ice-supporting shelf above the bottom, with an overflow-pipe, whereby the water in the bottom of the receptacle is prevented from rising onto the ice upon the shelf, as set forth.

2. The combination of the ice-receptacle having a supporting-shelf above the bottom, an overflow-pipe for preventing the rise of

the water onto the ice, and a drain-pipe and spigot for drawing off the water from the lower portion of the receptacle, as specified.

3. The combination of the ice-receptacle with a projecting hollow base, G, forming an extended water-chamber at the bottom of the receptacle, as set forth.

4. The combination of the ice-receptacle having a central recess, *g*, in the bottom with the projecting hollow base G, as specified.

5. The combination of the ice-receptacle and its supporting-shelf, the overflow-pipe, and the drip-catcher H, communicating with said pipe, as specified.

6. The combination of the ice-receptacle of the refrigerator with the drain-pipe having its outer end threaded internally for the reception of a spigot or stop-plug, as set forth.

7. The ice-receptacle F, having recesses in its opposite sides for the reception of the ice-carrying tongs, as set forth.

8. The combination of the ice-receptacle having recesses in its opposite sides, with the lid having side wings for closing said recesses, as specified.

9. The combination of the ice-receptacle F, having recesses for the reception of the ice-tongs, with an overflow-pipe, whereby the water is prevented from rising in the receptacle to said recesses, as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOSIAH D. COLONY.

Witnesses:
WILLIAM F. DAVIS,
HARRY SMITH.