

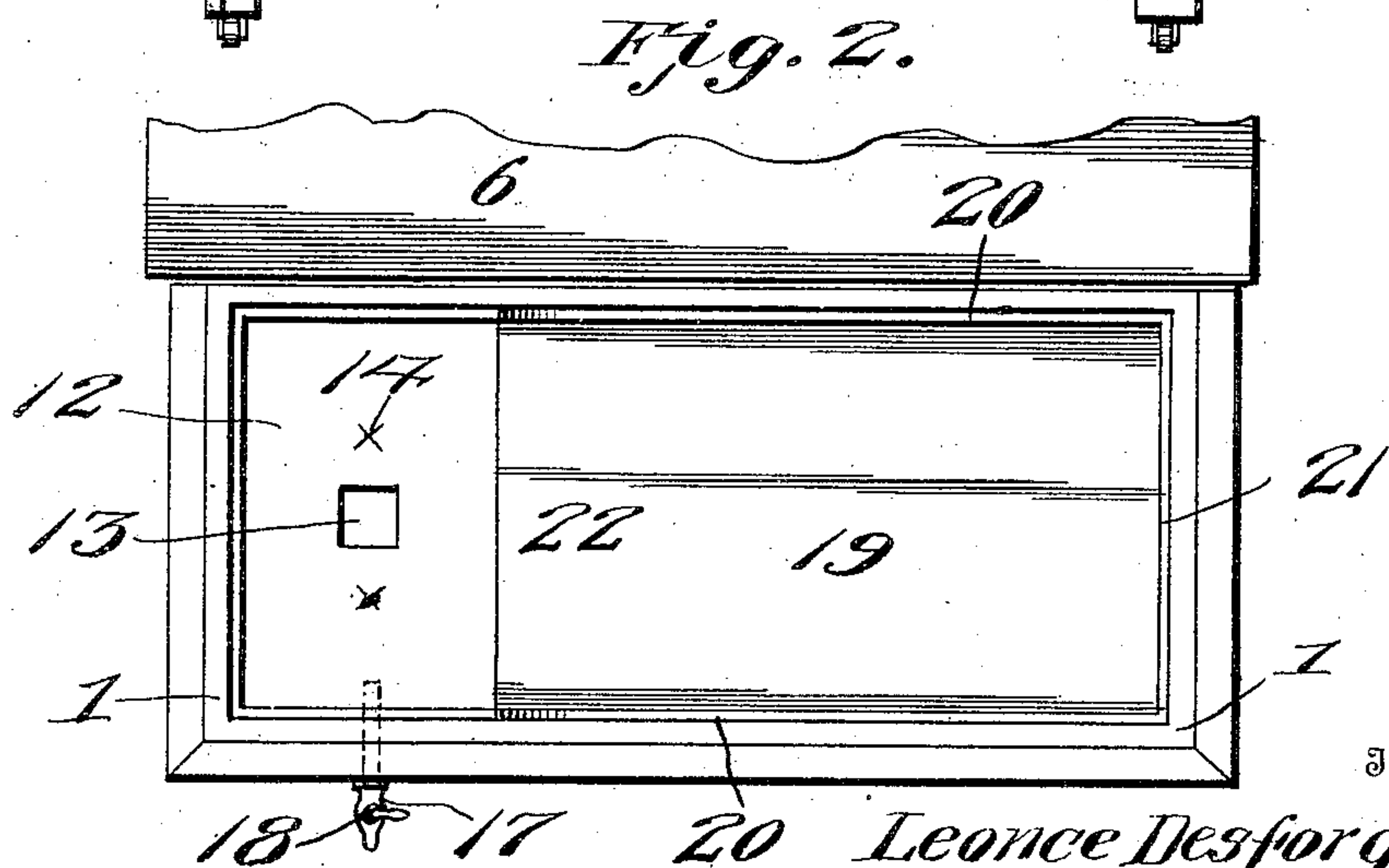
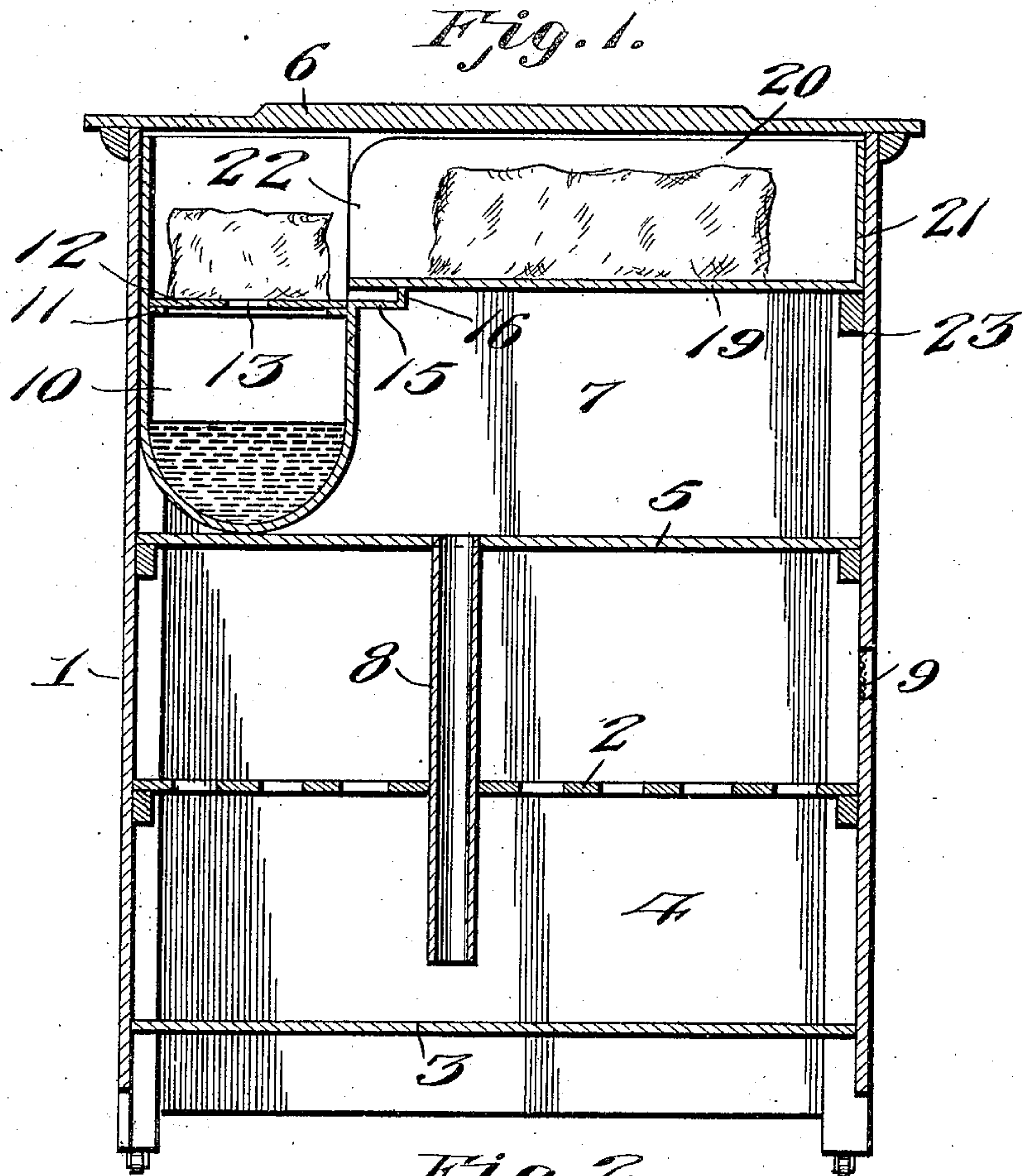
No. 844,924.

PATENTED FEB. 19, 1907.

L. DESFORGES, JR.

REFRIGERATOR.

APPLICATION FILED AUG. 5, 1905.



Witnesses  
Frank B. Hoffman.  
J. J. Elnor.

Inventor  
Leonice Desforges, Jr.  
By Victor J. Evans  
Attorney



# UNITED STATES PATENT OFFICE.

LEONCE DESFORGES, JR., OF NEW ORLEANS, LOUISIANA.

## REFRIGERATOR.

No. 844,924.

Specification of Letters Patent.

Patented Feb. 19, 1907.

Application filed August 5, 1905. Serial No. 272,864.

*To all whom it may concern:*

Be it known that I, LEONCE DESFORGES, Jr., a citizen of the United States, residing at New Orleans, in the parish of Orleans and State of Louisiana, have invented new and useful Improvements in Refrigerators, of which the following is a specification.

My invention relates to refrigerators; and it consists in the construction and arrangement of parts, as will be hereinafter described, and particularly pointed out in the claim.

In the accompanying drawings, Figure 1 is a vertical section taken centrally and longitudinally through a refrigerator embodying the invention. Fig. 2 is a top plan view of the refrigerator with the cover raised.

Referring to the drawings, 1 designates the ice-chest or refrigerator, of the usual or any appropriate construction and material, having therein an open-work slatted food-receiving shelf 2, disposed above and spaced from the bottom 3 to provide a compartment 4, while sustained above and suitably remote from the shelf 2 is a partition or shelf 5, serving, in conjunction with the lid or cover 6, with which the refrigerator is equipped, to produce a cold-air chamber 7, having a pipe or duct 8 leading therefrom and discharging into the compartment 4 beneath the shelf 2, the refrigerator being provided at a point above the shelf 2, and preferably in one of its end walls, with a ventilating-opening 9, these parts, except as hereinafter explained, being designed to perform their ordinary functions.

Sustained within the refrigerator at one end of the chamber 7 is a vessel or receptacle 10, provided at a point adjacent its vertical center with an inwardly-projecting marginal flange 11, constituting a seat for a cover 12, having a central opening 13, and provided with upwardly-projecting sharpened engaging portions or spurs 14, adapted to engage a block of ice when positioned upon the cover, so as to elevate the ice when placed thereon to permit of a water-passage to the central opening 13 of the cover. Said spurs also prevent the slipping of the ice. Said vessel is provided at one side thereof with a horizontal outwardly-extending ledge 15, having at its outer edge an upstanding flange 16, while leading from the vessel is a discharge-pipe 17, equipped with a cock or valve 18.

Disposed in the refrigerator at a suitable point beneath the cover 6 is a reserve ice-receiving shelf or tray 19, having upstanding side walls 20, an end wall 21, and an open discharge end 22, said shelf being sustained above the vessel 10 by a supporting member or cleat 23 and by the ledge 15, on which the discharge end 22 rests for convenient discharge into the vessel 10.

In practice blocks of ice are, as seen in Fig. 1, arranged upon the shelves 12 and 19, and as the ice melts the water drains from said shelves through the opening 13 into that portion of the vessel 10 beneath the shelf 12, it being apparent that the water may be drawn from the vessel as desired through the discharge-pipe 17 and that the walls of the vessel and tray will prevent the ice from striking the sides of, and the water from dripping into, the refrigerator. It is to be noted in this connection that the use of a drain-pipe leading from the refrigerator and the consequent entrance of warm air to the latter is obviated, while at the same time the cold water from the ice contained in the receptacle 10 aids materially in cooling the air in the chamber 7, from which the cold air passes through the pipe 8 into the compartment 4 and thence passes upward through the shelf 2 for free circulation around the food on the latter. The opening 9 serves to permit escape of impure air from the refrigerator, and also, of course, to permit a certain percentage of fresh air to enter the same, while the spurs 14 serve, through engagement with the block of ice, to prevent movement of the same upon the shelf 12.

From the foregoing it is apparent that I produce a comparatively simple, inexpensive device of this character admirably adapted for the attainment of the ends in view, it being understood that minor changes in the details herein set forth may be resorted to without departing from the spirit of the invention.

Having thus described the invention, what I claim is—

A refrigerator comprising two compartments having a cleat arranged between the same, a vessel depending into the upper compartment and provided with an extended ledge having a right-angular vertical flange, a shelf with an open end mounted in the up-

permost compartment and having its bottom contacting with said cleat and said flange, said vessel having a surrounding rim-flange, and a cover provided with a central opening  
5 therein, and also having upwardly-projecting spurs arranged on opposite sides of said opening, and said shelf being arranged above the cover of the vessel so that its open end

will communicate therewith, substantially as specified.

In testimony whereof I affix my signature  
in presence of two witnesses.

LEONCE DESFORGES, JR.

Witnesses:

R. P. KENNEY,  
B. LENZ.