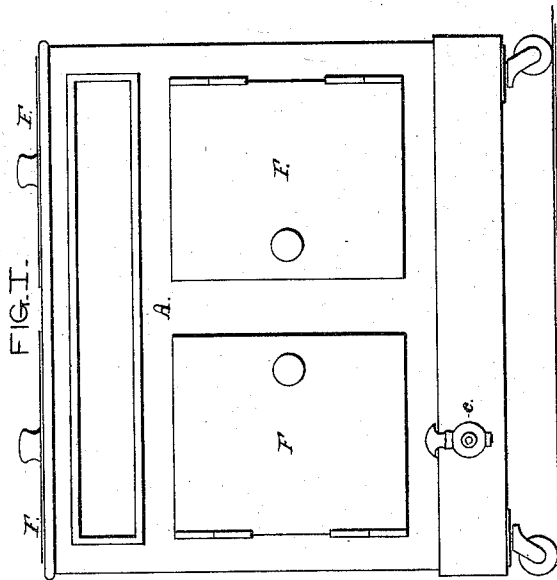
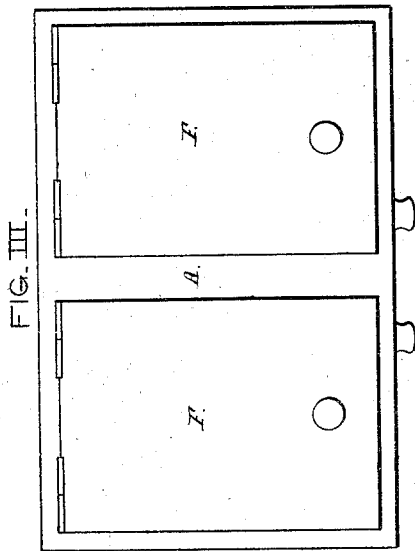
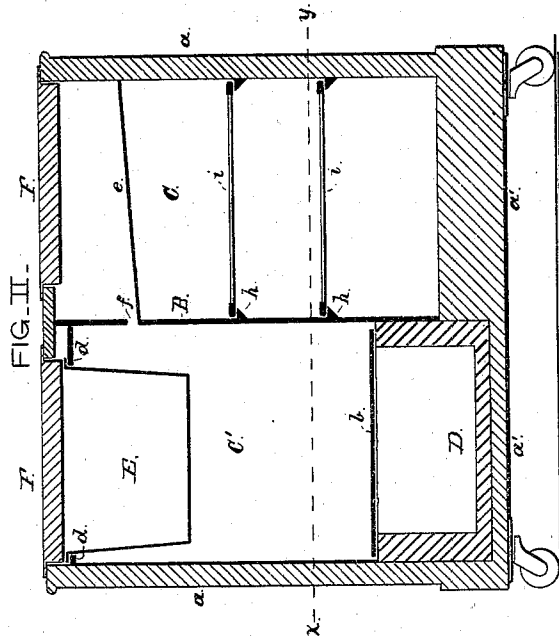
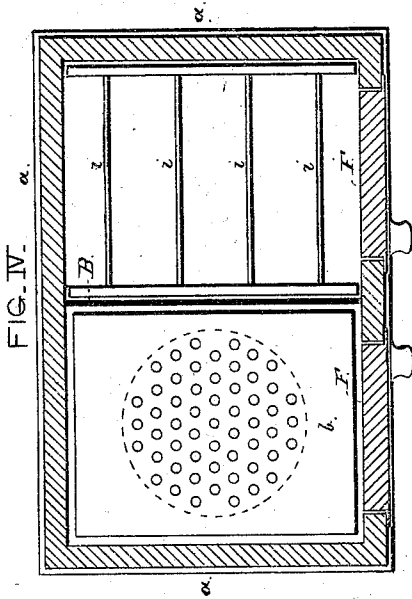


J. S. BATEMAN.

Refrigerators and Water-Coolers Combined.

No. 137,650.

Patented April 8, 1873.



WITNESSES -

Edmund Howard.
Joseph Cragg.

INVENTOR.

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attys.

UNITED STATES PATENT OFFICE.

JAMES S. BATEMAN, OF BALTIMORE, MARYLAND.

IMPROVEMENT IN REFRIGERATORS AND WATER-COOLERS COMBINED.

Specification forming part of Letters Patent No. **137,650**, dated April 8, 1873; application filed March 5, 1873.

To all whom it may concern:

Be it known that I, JAMES S. BATEMAN, of the city of Baltimore and State of Maryland, have invented certain Improvements in Refrigerators and Water-Coolers Combined, of which the following is a specification; and I do hereby declare that the same is a full, clear, and exact description of my said invention, reference being had to the accompanying drawing and to the letters of reference marked thereon.

My invention relates to a chest or box adapted to be used for the preservation of meats, fruits, and the like, the box having within it a receptacle or cooler for drinking-water, and its different parts so constructed and arranged that a uniformly low temperature, with a moderate consumption of ice, may be maintained therein. My invention consists in an arrangement, hereinafter described, of the several parts of the refrigerator whereby it is divided by a partition into separate compartments, the one compartment holding a body of ice, which, in melting, cools drinking-water placed in a separate receptacle, small articles of food being also cooled and preserved in a tray placed in the said compartment, the other compartment being intended for the cooling of larger articles of food by another quantity of ice placed above the shelves or bars upon which such articles are rested, the support for the said ice being so arranged as to communicate with the other compartment, that this ice, in melting, may also pass into and assist in cooling the drinking-water.

In the further description of my invention which follows due reference must be had to the accompanying drawing, in which—

Figure I is a front elevation of my invention. Fig. II is a vertical section of the same. Fig. III is a plan of Fig. I. Fig. IV is a cross-section of the invention, showing the portions directly below the dotted line *xy*.

Similar letters of reference indicate similar parts of the invention in all the views.

A is a chest, having the sides *a* and bottom *a'* composed of some non-conducting material. B is a partition, of some conducting substance, placed within the chest A for the purpose of separating the refrigerating-chamber C from the ice-chamber C'. This partition does not

interfere with the equalizing of the temperature in the two chambers, but acts as a medium through which the excess of heat in one chamber may be communicated to the other, thereby establishing the said equilibrium of temperature. D is the water-cooler, which may be of stone, porcelain, or metal, covered by the perforated plate *b*, upon which the ice used for cooling the water is placed. The drinking-water is cooled by that from the melting ice passing through the perforations in the plate *b* into the cooler. A cock, represented by *c*, is placed upon the front of the chest, and in communication with the interior of the cooler, through which the water may be drawn. E is a tray, resting upon the projections *d*, for the purpose of holding small articles to be preserved or cooled. Secured in the upper portion of the chamber C, in an inclined position, is the plate *e*, upon which rests the ice intended to cool the upper parts of the chest. The water, as it flows from the melting ice, escapes through the lateral opening *f* in the partition B, and thence down the said partition to the water-cooler D. The interior surface of the chamber C is provided with the projecting strips *h*, at convenient distances apart, designed to support the bars *i* upon which the larger articles to be preserved are placed. The chambers C and C' are furnished with suitable doors F, protected on the inner surface by linings of a non-conducting character.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

The chest A, divided by the conducting-partition B into the chambers C and C', having, in combination the inclined plate *e*, water-cooler D, perforated plate *b*, and tray E, substantially as and for the purpose herein set forth and described.

In testimony whereof I have hereto subscribed my name in the city of Baltimore this 14th day of February, in the year of our Lord 1873.

JAMES S. BATEMAN.

Witnesses:

WM. T. HOWARD,
WM. HAMMEL.