CHARLES O. PECK.

Improvement in Refrigerators.

No. 127,919. Patented June 11, 1872.

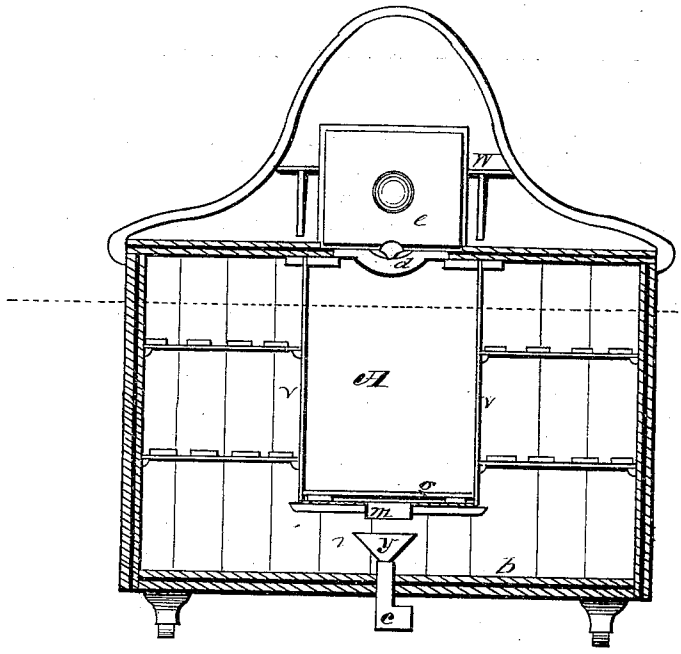
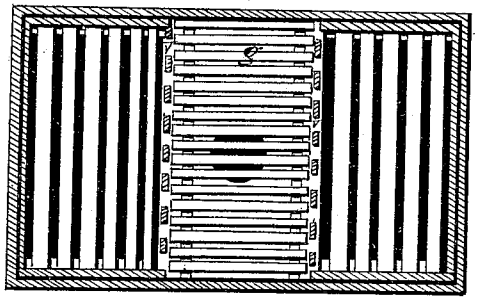


Fig. I

Fig. IV

Fig. II



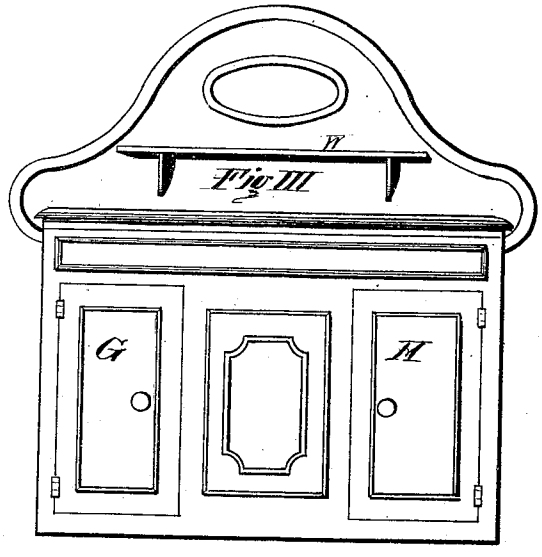


Fig. III

Witnesses.

Chas. P. Kemp.

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UNITED STATES PATENT OFFICE.

CHARLES O. PECK, OF PITTSFIELD, MASSACHUSETTS.

IMPROVEMENT IN REFRIGERATORS.

Specification forming part of Letters Patent No. 127,919, dated June 11, 1872.

To whom it may concern:

Be it known that I, CHARLES O. PECK, of Pittsfield, Berkshire county, State of Massachusetts, have invented an Improved Refrigerator, of which the following is a specification:

My invention relates to the construction and arrangement of the parts comprising the interior of the refrigerator, consisting of the ice-box, shelves, lining of the inside walls, and the provision for the escape of the drip, so combined as to form an improved refrigerator.

In the drawing, Figure I is a vertical section; Fig. II, a cross-section; Fig. III, a front view of the outside of my refrigerator; and Fig. IV, a detail view of a part of the same.

A is the ice-box, extending across the refrigerator from side to side, and raised from the bottom *b*, as shown in Fig. I, for a purpose hereinafter described. Access to the box is had through the covers *d* and *e*, the upper one *e* having its outside surface, when closed, flush with the top of the refrigerator. The sides of the box formed by the sides of the cooler are of metal, and its bottom also; but the sides V V toward the storage-space within the cooler are formed of wooden slats, having space between them to allow a free circulation of the air from every part of the interior over the ice, and vice versa; and the ice rests upon a wooden lattice, *g*, in the base of the box, from beneath which, and through a comparatively large opening, *m*, in the base, the drip escapes from the box. Beneath the opening *m*, and at a sufficient distance below it to afford an air-space, is the detachable funnel *y*, which fits in the escape-pipe *c* for finally conveying the drip from the refrigerator. This pipe *c* has outside the refrigerator the usual trap for closing the access of the air to its interior. The funnel-head *y*, even when full of sawdust or other matter, permits the drip to filter through, and is made removable to be conveniently cleaned.

It will be seen that through the large opening *m* the drip is not only carried off, but the air, cooled by immediate contact with the ice, permitted to pass and fall over the top of funnel *y* to the base *b* of the refrigerator, and a much more rapid and complete circulation is produced than were the ice left to be more or less incased by a stratum of cold air upon its sides and top.

All sides of the storage-space I incase with wood, to avoid the condensation incident to the contact of outside and warmer air with a metallic surface, as would occur upon the momentary opening of a door of the safe; and by this means I am able to preserve the inside always dry. For the same purpose I make the shelves of wooden slats, as shown in the drawing.

The box A, being arranged in the center of the refrigerator, is surrounded on three sides by air, and all of which air-space, by the arrangement of the doors, is available and accessible for cooling purposes.

The wooden interior sides of the safe may be backed by sheet metal, or by an air-space, or by any non-conducting medium, the important feature being the inner wooden surface.

Access is had to the refrigerator by two side doors, G H, as shown in Fig. II; and the back of the refrigerator is prolonged above it to hold the shelf W, which, with the top of the refrigerator, answers the purpose of a side-board to hold plate, decanters, &c.; and the general appearance of my refrigerator is such that it may occupy the place and serve the purpose of this piece of dining-room furniture.

Now, having described my invention, what I claim is—

The combination and arrangement of the central ice-box A, having orifice *m*, the side and lower cooling-chambers, provided with wood lining and shelves, and the removable funnel *y*, all constructed as shown and described.

CHAS. O. PECK.

Witnesses:
FRANK W. ROCKWELL,
GEO. I. TUCKER.