

**D. MULCAHY.**  
**Refrigerators.**

No. 138,095.

Patented April 22, 1873.

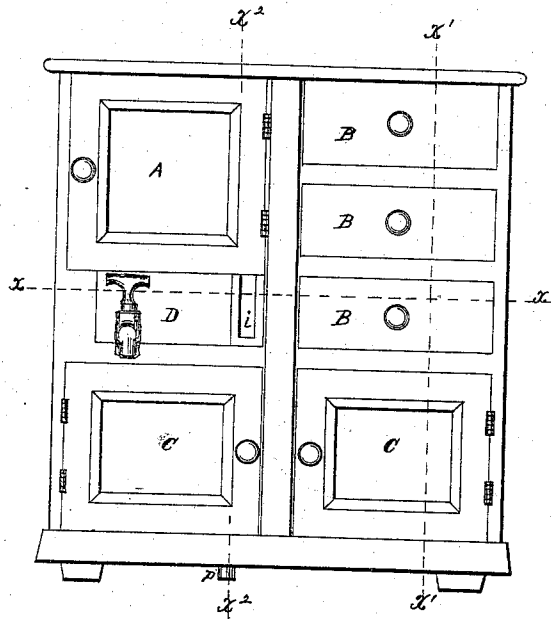


FIG. 1.

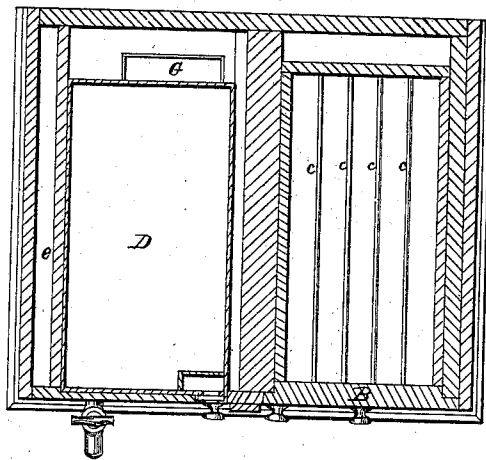


FIG. 2.

WITNESSES.

*William W. Swan*  
*Chas. H. Swan.*

INVENTOR.

*Dennis Mulcahy.*

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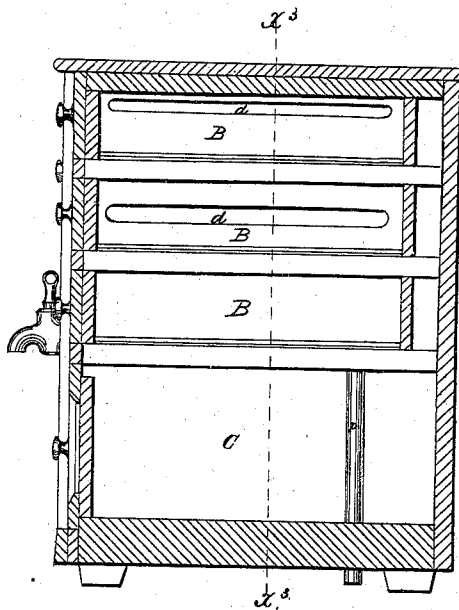


FIG. 3.

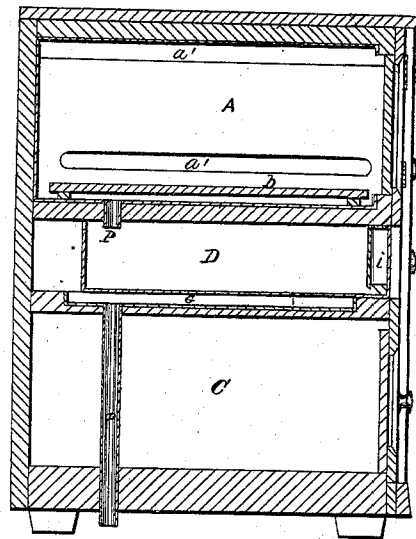


FIG. 4.

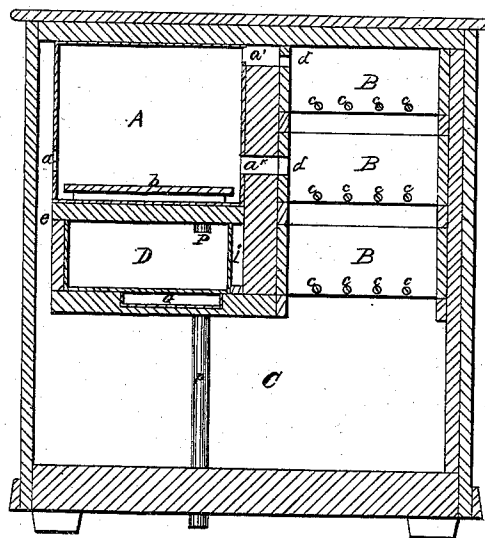


FIG. 5.

WITNESSES.

*William W Swan*  
*Chas. H. Swan.*

INVENTOR.

*Dennis Mulcahy.*

# UNITED STATES PATENT OFFICE.

DENNIS MULCAHY, OF BOSTON, MASSACHUSETTS.

## IMPROVEMENT IN REFRIGERATORS.

Specification forming part of Letters Patent No. **138,095**, dated April 22, 1873; application filed February 15, 1873.

### *To all whom it may concern:*

Be it known that I, DENNIS MULCAHY, of Boston, in the State of Massachusetts, have invented certain Improvements in Refrigerators; and I do hereby declare the following to be a full and correct description of the same, reference being had to the accompanying drawing, in which—

Figure 1 is a front elevation. Fig. 2 is a plan, showing the parts below the line  $xx$  of Fig. 1. Fig. 3 is a sectional elevation, showing parts to the left of the line  $x^1 x^1$  of Fig. 1. Fig. 4 is a sectional elevation, showing the parts to the right of the line  $x^2 x^2$  of Fig. 1. Fig. 5 is a sectional elevation through the line  $x^3 x^3$  of Fig. 3.

The object of this invention is the construction of a refrigerator in which all parts shall be kept at the same temperature, while articles may easily be placed in one part or readily got at without disturbing articles in another part. The invention consists, first, in the construction and arrangement of a series of drawers and closets communicating with each other and the ice-closet; second, in the combination and arrangement of a series of drawers in contact with the ice-chamber and communicating with each other; and, third, in a portable cistern, so constructed and located as to form a drawer in the refrigerator. A is the ice-chamber, lined with zinc, but having openings  $a$  and  $a'$  in its side, which communicate with other parts of the refrigerator, as hereafter described.  $b$  is the ice-rack. B B B are drawers, the bottoms of which are formed of strong wires  $c$ . The upper drawers have slots  $d$  in their sides corresponding to the openings  $a'$  in the sides of the ice-closet. C is a large closet at the bottom of the refrigerator, having two doors. The closet C communicates with the ice-closet by means of the space  $e$  above the closet at one side of the refrigerator, and the opening  $a$  in the side of the ice-closet.

By means of the space  $e$ , the openings  $a$ ,  $a'$ , and  $a'$ , the slots  $d$ , and the wire bottoms of the drawers a free circulation of air is kept up throughout the refrigerator, and there is a tend-

ency to keep all parts at the same temperature.

D is a portable cistern or drip-pan, forming a part of the refrigerator proper, as shown. It has a glass index-plate,  $i$ , to show the height of the water. It has a faucet, as shown, by which water may be drawn off; but, being in itself a drawer, it may be removed from the refrigerator and thoroughly cleaned. This cistern is an important part of my invention.

The refrigerator is set close upon the floor, and the space usually lost under a refrigerator or on each side of the drip-pan is saved, and made use of as a closet-room, while I have every advantage of seeing how full my drip-pan is, and every advantage for cleaning it.

It is obvious that the same cistern or drip-pan might be used with refrigerators otherwise resembling the common box refrigerator.

P is a pipe to conduct water from the ice-closet to the drip-pan. G is a gutter underneath the drip-pan. It has a pipe,  $p$ , running to the floor underneath the refrigerator; the object of the gutter and its pipe being to prevent any trouble within the refrigerator from accidental overflow of the pan, as with ordinary drip-pans the overflow is upon the floor.

Where there is good sewerage or drainage provided the pipes P and  $p$  may be connected with each other and with the sewer, and the need of any drip-pan avoided.

I claim—

1. The combination and arrangement of the ice-chambers A, wire-bottomed drawers B B, and portable cistern D, substantially as and for the purposes described.

2. A portable cistern, furnished with an index-glass, and forming a part of the refrigerator, substantially as described, for the purpose described.

The above specification of my said invention signed and witnessed at Boston this 10th day of February, A. D. 1873.

DENNIS MULCAHY,

Witnesses:

WILLIAM W. SWAN,  
CHAS. H. SWAN.