

R. ARMIGER.
Refrigerators.

No. 145,081.

Patented Dec. 2, 1873.

Fig. 1.

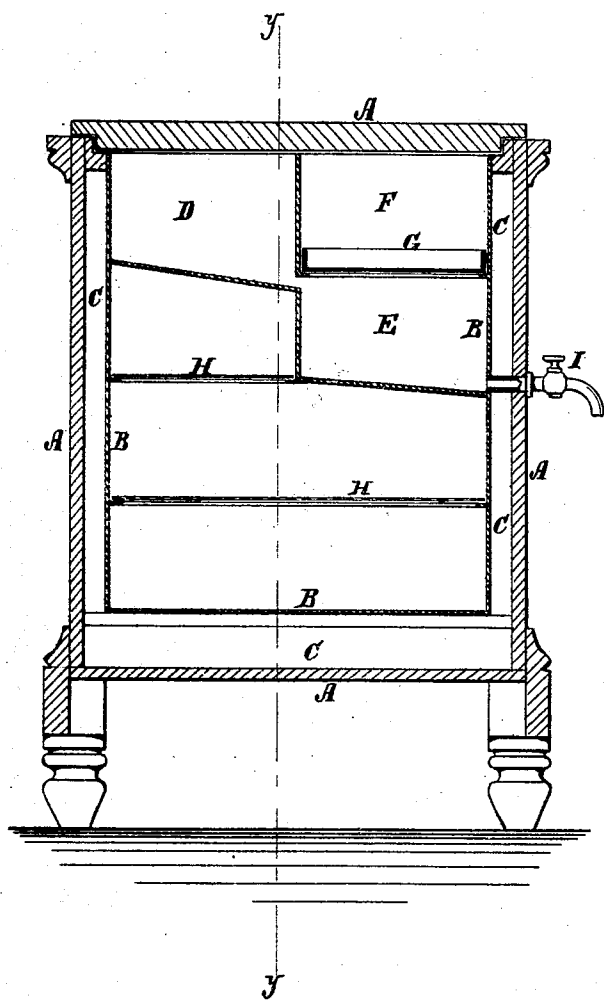
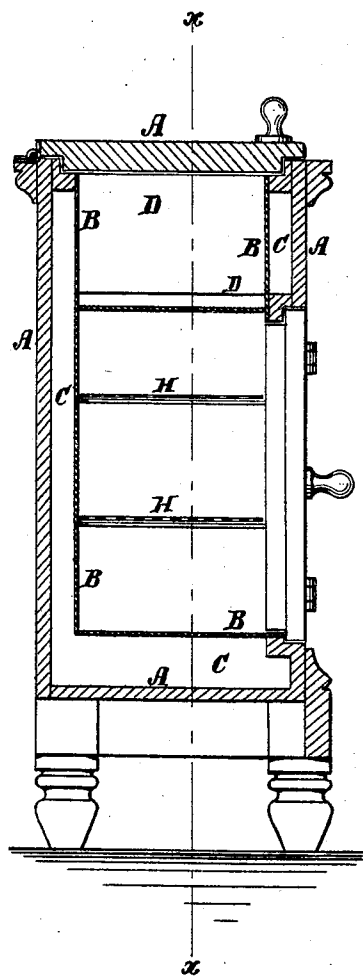


Fig. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

RICHARD ARMIGER, OF BALTIMORE, MARYLAND.

IMPROVEMENT IN REFRIGERATORS.

Specification forming part of Letters Patent No. 145,081, dated December 2, 1873; application filed October 11, 1873.

To all whom it may concern:

Be it known that I, RICHARD ARMIGER, of Baltimore, in the county of Baltimore and State of Maryland, have invented a new and useful Improvement in Refrigerators, of which the following is a specification:

Figure 1 is a vertical section of my improved refrigerator, taken through the line *xx*, Fig. 2. Fig. 2 is a vertical section of the same, taken through the line *yy*, Fig. 1.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish refrigerators which shall be so constructed that the ice-water can be utilized for cooling the provision-chamber, and which shall be simple in construction and convenient in use.

The invention will first be fully described, and then pointed out in the claim.

A is the outer box or case of the refrigerator, which is made of wood, and within which is placed a box, B, made of galvanized iron. The box B is made enough smaller than the box A to leave a space, C, between them upon all their sides. D is the ice-chamber, which is formed in one part of the top of the box B, and the bottom of which is made inclined, so that the ice-water may flow off as fast as the ice melts. E is the ice-water tank, which is also placed in the upper part of the box B, but at a lower level than the ice-chamber D, so that the ice-water may be received and held in the said tank E, as it drips from the said ice-chamber D. In the space F, above the ice-

water tank E, is secured a pan, G, in which articles to be kept cool may be placed, and which is made detachable, to allow the water-tank to be conveniently cleaned. In the space below the ice-chamber D and water-tank E are placed shelves or racks H, of perforated sheet metal or wire rods, to receive the articles to be kept cool. The shelves or racks H rest upon cleats or flanges attached to or formed upon the box B.

By this arrangement a greater space in a refrigerator of a given size is made available for use than is possible with other constructions.

By this construction the sweat or moisture condensed upon the outer side of the iron box B can flow down and escape without wetting and rotting the wood and tainting the air. The bottom of the ice-water tank E is inclined, so that all the water can be drawn from it, when desired, through the faucet I, which passes in through the walls of the boxes A B.

Having thus described my invention, I claim as new, and desire to secure by Letters Patent—

The inclined ice-chamber D and inclined water-discharge tank E, arranged, with respect to each other, diagonally, and in the upper part of refrigerator, as described, for the purpose set forth.

RICHARD ARMIGER.

Witnesses:

GEO. N. BARRIERE,
W. L. ARMIGER.