

E. L. ALLEN,  
Refrigerators.

No. 133,961.

Patented Dec. 17, 1872.

Fig. 1.

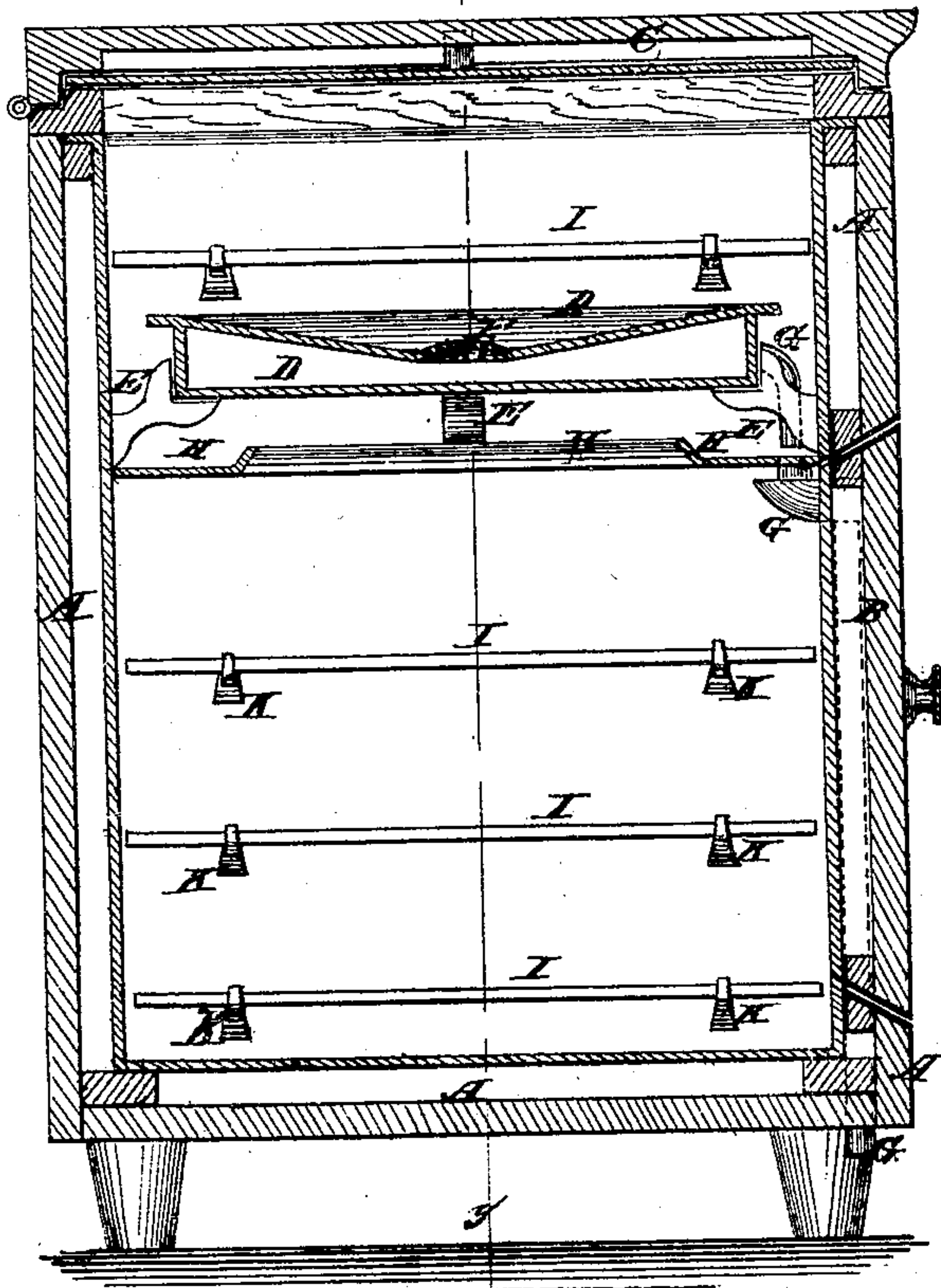
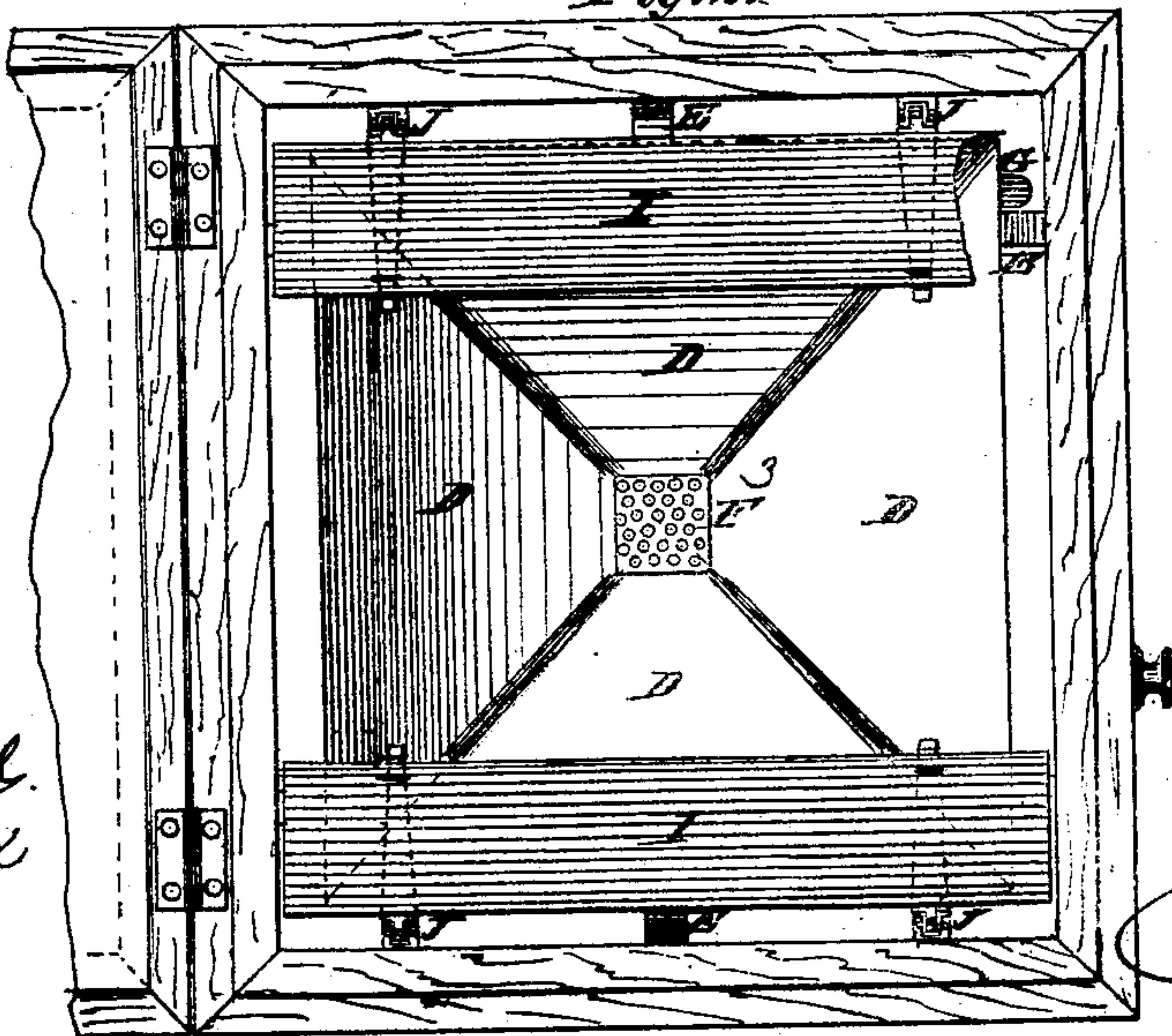


Fig. 2.



WITNESSES:  
P. C. Dietrich.  
C. Froquien

INVENTOR:  
E. L. Allen  
BY *[Signature]*  
ATTORNEYS.



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Fig. 3.

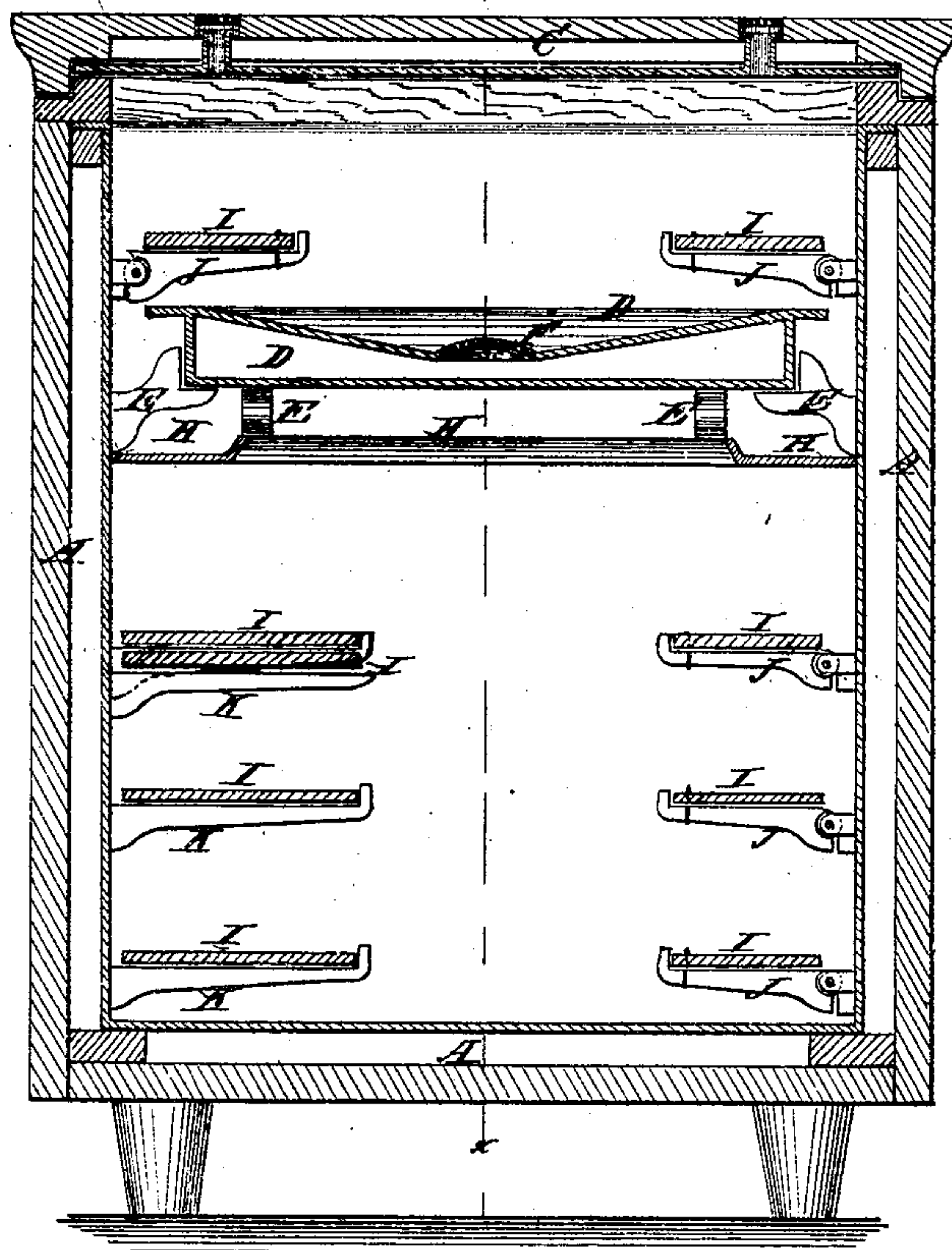


Fig. 6.

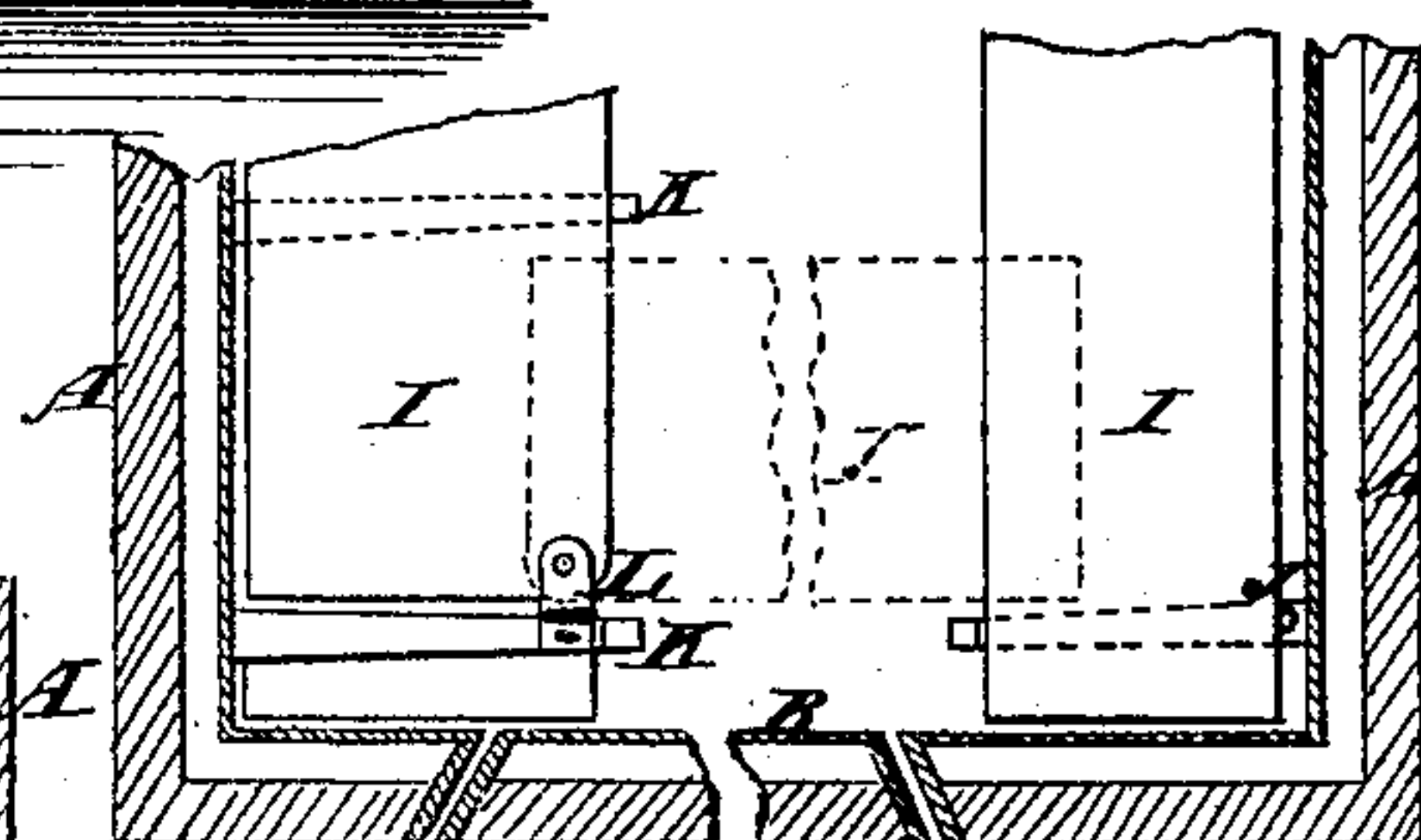
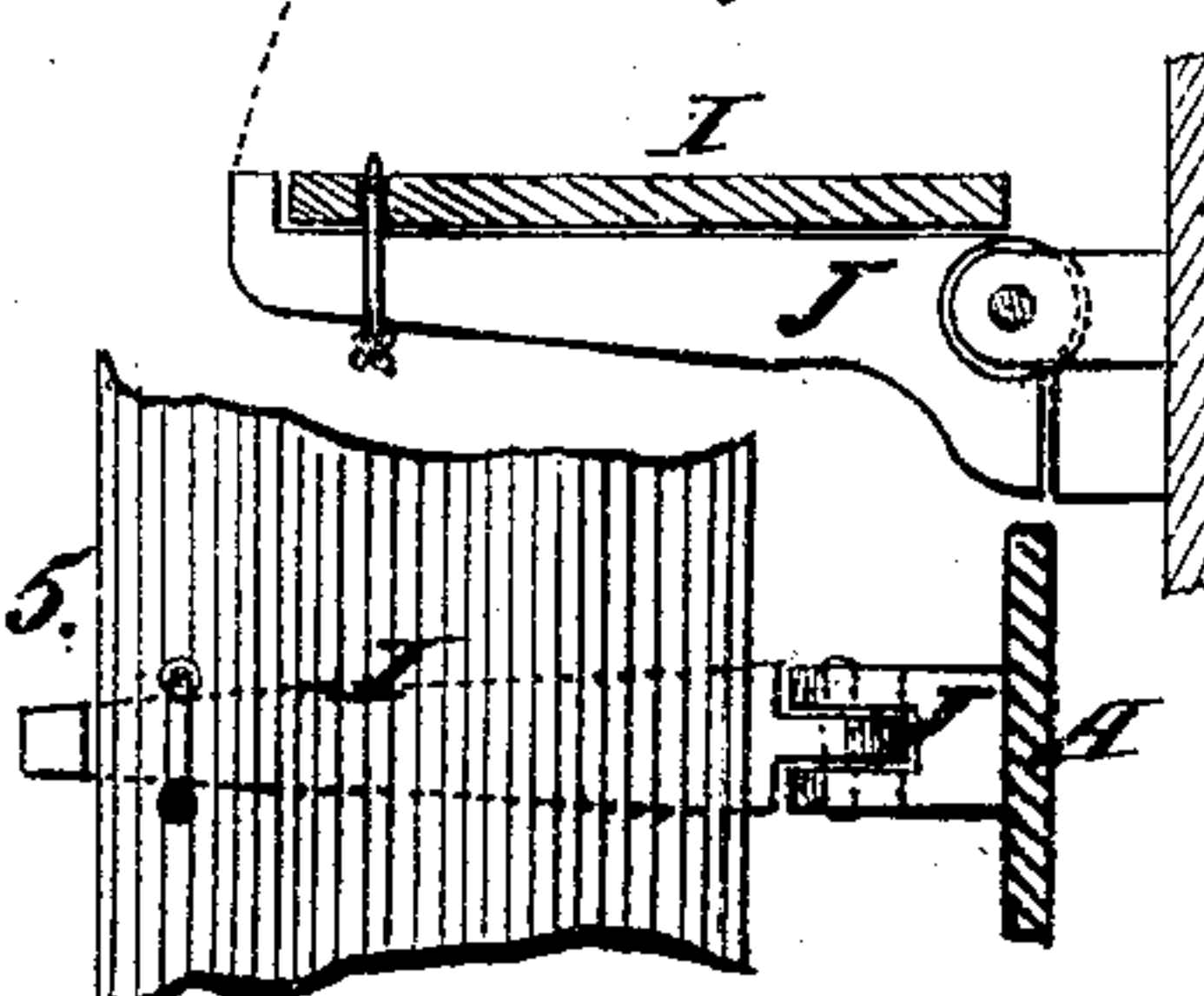


Fig. 4.



WITNESSES:

P. C. Gierke Fig. 5.  
C. Senguer

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# UNITED STATES PATENT OFFICE.

EDWARD L. ALLEN, OF FAIR HAVEN, VERMONT.

## IMPROVEMENT IN REFRIGERATORS.

Specification forming part of Letters Patent No. 133,961, dated December 17, 1872.

*To all whom it may concern:*

Be it known that I, EDWARD L. ALLEN, of Fair Haven, in the county of Rutland and State of Vermont, have invented a new and useful Improvement in Refrigerators, of which the following is a specification:

Figure 1, Sheet I, is a detail vertical section of my improved refrigerator taken through the line *x x*, Fig. 3. Fig. 2, Sheet I, is a top view of the same, the cover being turned back. Fig. 3, Sheet II, is a detail vertical section of the same taken through the line *y y*, Fig. 1. Fig. 4, Sheet II, is a side view of one of the hinged brackets. Fig. 5, Sheet II, is a top view of the same. Fig. 6 is a detail view of one of the swinging shelves.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish an improved refrigerator which shall be so constructed and arranged as to make it more convenient in use and more effective in operation than refrigerators constructed in the ordinary manner; and it consists in the construction and combination of various parts of the refrigerator, as hereinafter more fully described.

A are the walls, B is the door, and C is the top or cover, of the refrigerator, which parts are made with double walls, the space between which being filled with a suitable non-conducting material. D is a platform to support the ice, which is placed in the upper part of the refrigerator, and which forms the bottom of the ice-chamber. The bottom D rests upon brackets E attached to the walls A of the refrigerator, and is made a little smaller than the space in which it is placed so as to leave a space all around between its edges and the walls, as shown in Figs. 1, 2, and 3, to allow the cold air from the ice-chamber to pass down readily into the interior or provision chamber of the refrigerator. The upper side or surface of the platform D is made concave, or inclined from its edges toward its center, as shown in Figs. 1, 2, and 3, so that the ice, however small it may be, may always be in the center of said platform, and may thus cool the refrigerator evenly. In the center or lowest part of the platform D is formed the discharge-opening for the waste-water, which opening is covered with a screen or strainer, F, to prevent sawdust or other substances from passing through, which might clog or choke the waste-pipe G which passes

down through the space between the double walls A and out through the bottom, as shown in Fig. 1. H is a gutter extending all around the interior of the refrigerator. The gutter H is placed a little below the platform D, and projects inward sufficiently to overlap the edges of said platform and catch any water that may drip from said edges and conduct it into the waste-pipe G. I are the shelves, which, at one side of the refrigerator, are attached to hinged brackets J so that the said shelves and brackets may be turned up against the side of the refrigerator to allow large articles to be placed in the provision-chamber. At the other side of the provision-chamber the shelves I are attached to rigid brackets K. To the inner side of the ends of the outer rigid brackets K are attached lugs L, to which is pivoted the corner of the swinging shelves I, so that the said shelves, when required for use, can be swung out, and when not required for use can be swung back beneath the shelves I that are attached to the rigid brackets K where their inner ends rest upon rigid brackets K set a little below the other rigid brackets, and so arranged as to support the inner corner of the pivoted shelves. The free ends of the swinging shelves I, when swung out for use, rest upon and are supported by the shelves upon the other side of the refrigerator.

By this arrangement two-thirds of all the shelves of the refrigerator can be put out of the way to allow large articles to be placed in the provision-chamber when required.

To the walls of the refrigerator within the ice-chamber are secured hinged brackets, to which shelves are attached, so that the said shelves may be turned up against the said walls for convenience in putting in ice or removing the platform D.

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

1. A refrigerator provided with shelves on hinged brackets J that may be folded up against the wall, as and for the purpose described.

2. The brackets J K on opposite sides of a refrigerator, combined with hinged and folding shelves I that rest upon both brackets, as and for the purpose described.

EDWARD L. ALLEN.

Witnesses:

N. C. DAVEY,  
ED. H. LEWIS.