

No. 767,321.

PATENTED AUG. 9, 1904.

F. W. WHELDON.
REFRIGERATOR.

APPLICATION FILED OCT. 3, 1903.

NO MODEL.

FIG. 1.

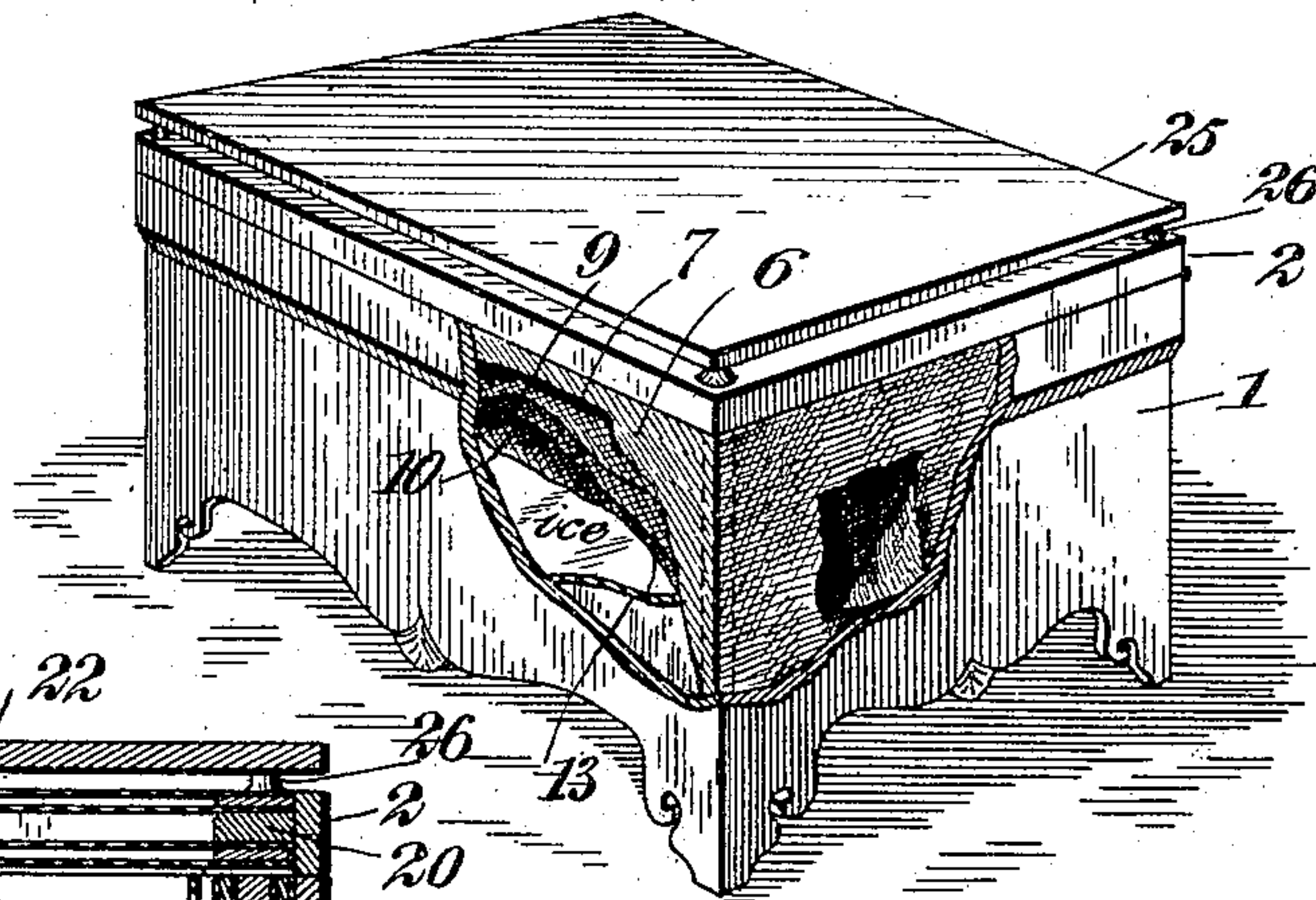


FIG. 2.

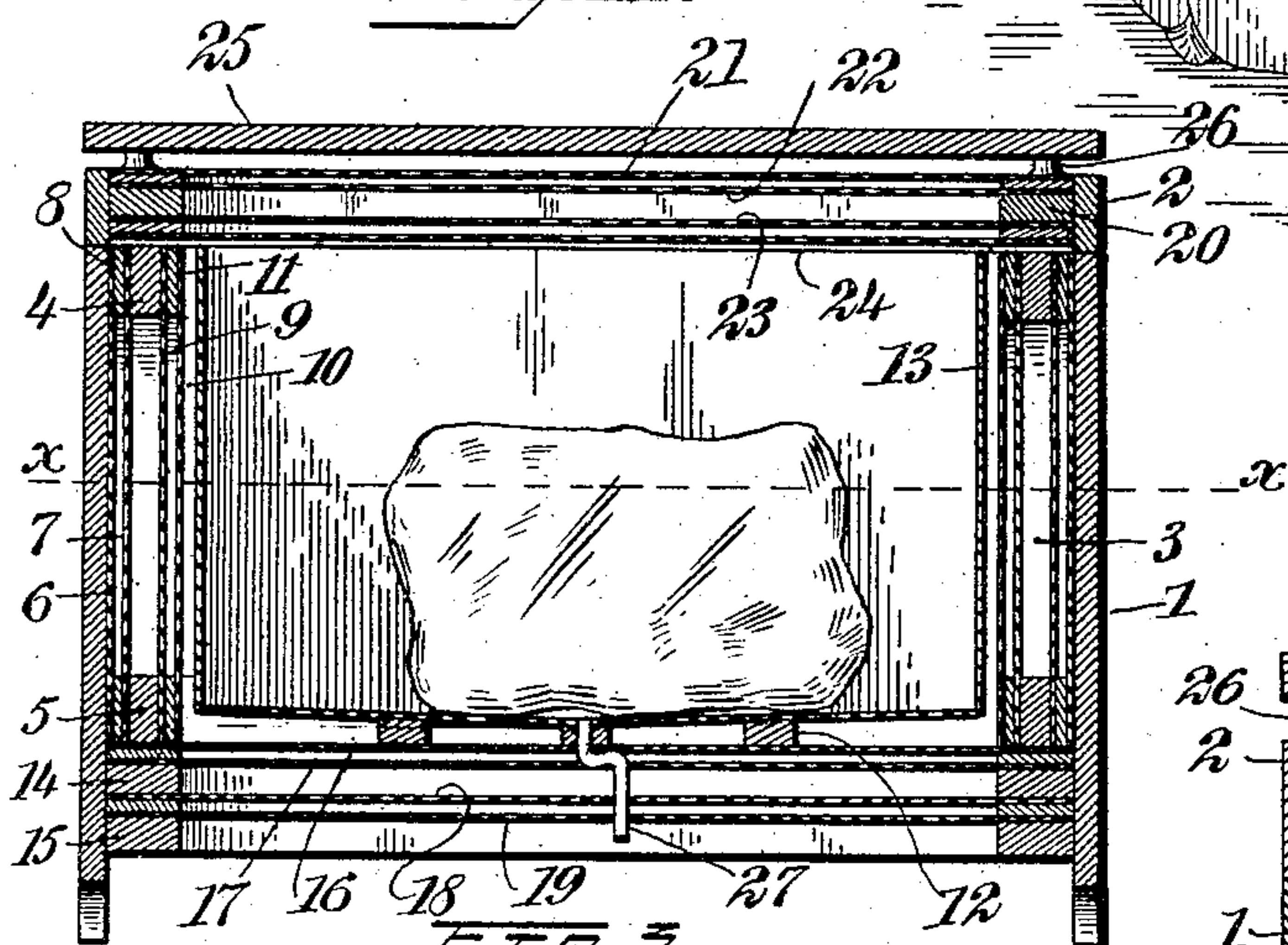


FIG. 4.

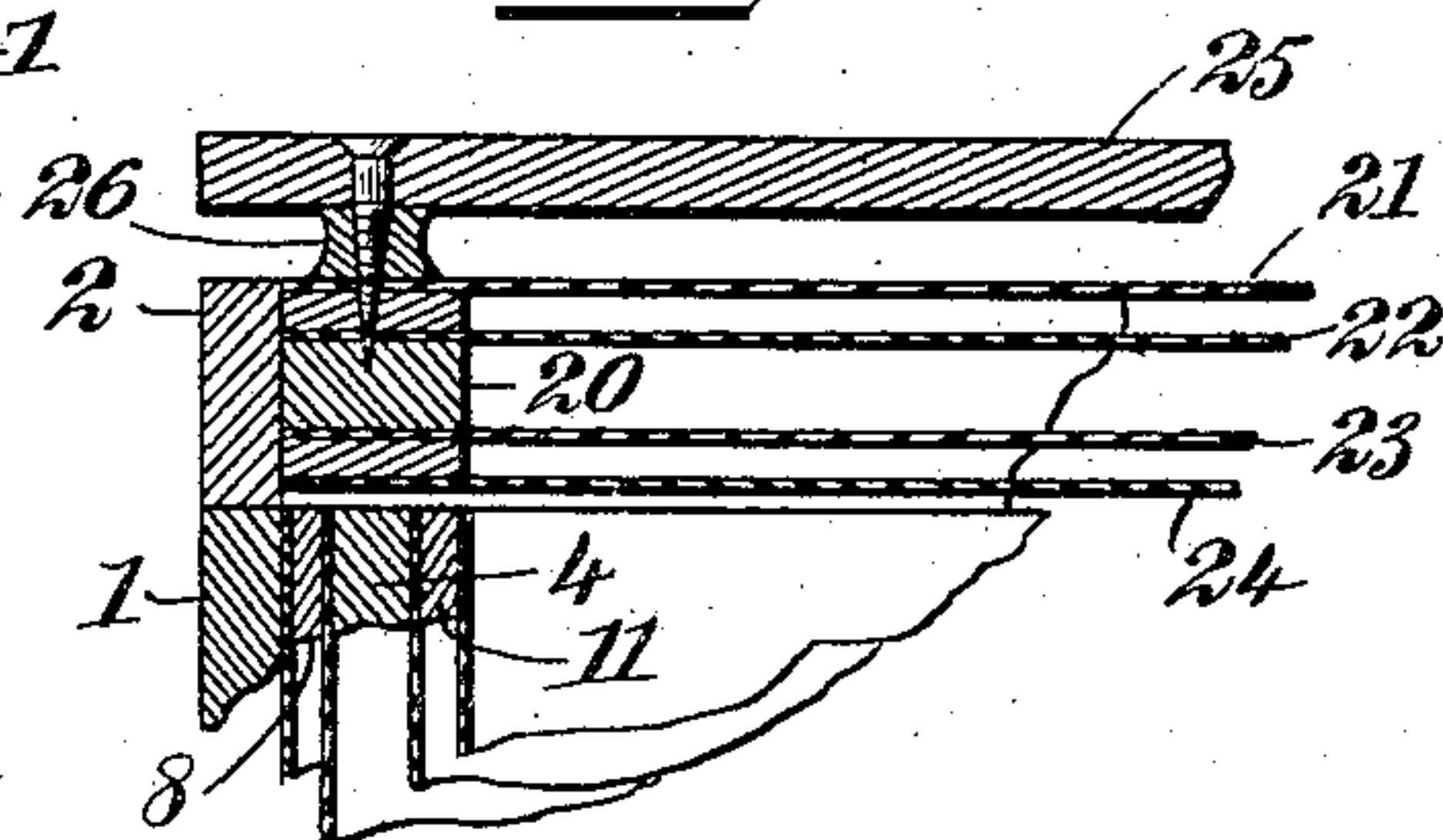
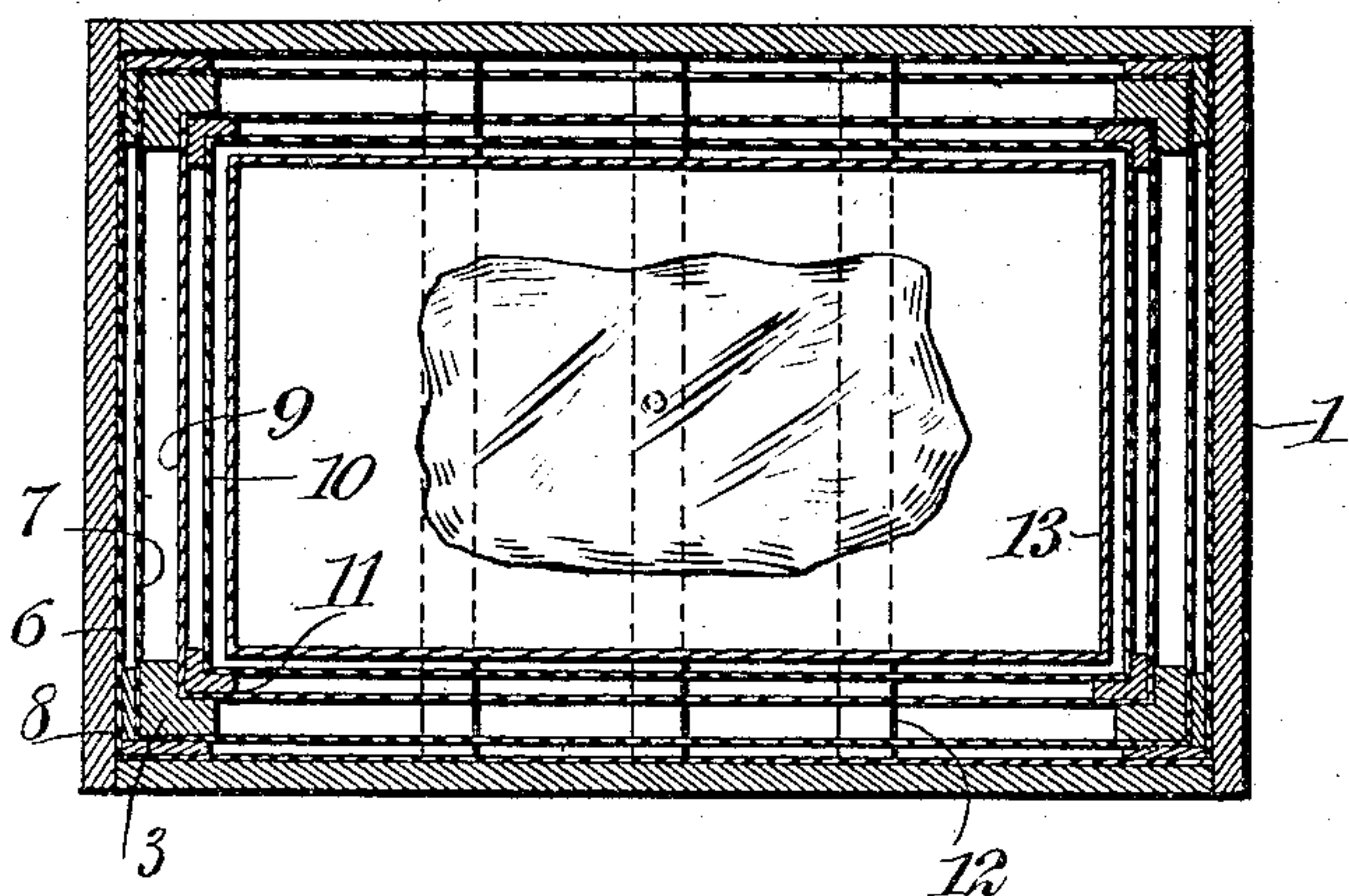


FIG. 3.



WITNESSES:

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FREDERICK W. WHELDON, OF NEW YORK, N. Y.

REFRIGERATOR.

SPECIFICATION forming part of Letters Patent No. 767,321, dated August 9, 1904.

Application filed October 3, 1903. Serial No. 175,560. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK W. WHELDON, a subject of the King of Great Britain, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Refrigerator, of which the following is a full, clear, and exact description.

This invention relates to improvements in refrigerators or ice-chests, an object being to provide a refrigerator with a plurality of inner walls of textile material spaced apart to form air-spaces, whereby there may be a free circulation of air, causing a low temperature and preserving the ice to a considerable extent, and this construction also makes the device comparatively light and inexpensive.

I will describe a refrigerator embodying my invention and then point out the novel features in the appended claim.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of a refrigerator embodying my invention with a portion broken away to show the interior construction. Fig. 2 is a sectional elevation thereof. Fig. 3 is a section on the line *xx* of Fig. 2, and Fig. 4 is a sectional detail view hereinafter more fully described.

The refrigerator comprises an outer casing or box 1, open at the bottom and having a cover comprising an outer frame 2 hinged to the said casing. Arranged in the casing is a rectangular frame comprising corner-uprights 3, top end pieces 4, bottom end pieces 5, and rear and front attaching-pieces at the top and bottom. Attached to the inner side of the box or casing 1 is a fabric 6—such, for instance, as canvas—and extended around the inner side inward of this lining 6 is a wall 7 of canvas, spaced from the canvas 6 by means of spacing-blocks 8. At the corners and inward of this wall 7 and spaced therefrom are textile walls 9 10, the said walls 9 10 being also spaced apart and secured by means of angular corner-posts 11. Attached to the lower portion of the rectangular frame are cross-bars 12, on which a metallic box 13 rests, this box 13 being designed to receive the ice and material to be kept in cool condition.

Secured in the lower portion of the box or casing are two rectangular frames 14 15, and on the upper side of the frame 14 is secured a canvas or other textile material 16, and also secured to said frame 14 is a textile bottom wall 17, spaced from the wall 16, while arranged between the frames 14 and 15 and spaced apart and also spaced from the wall 17 are textile walls or bottom strips 18 19.

Secured to the inner side of the frame portion 2 of the cover is an inner frame 20, to which top walls 21, 22, 23, and 24 are attached. The walls 21 and 22 are placed on the upper side of said frame 20 and are spaced apart, while the walls 23 and 24 are arranged at the under side and spaced apart. Secured above the top wall 21 is a lid or cover 25, of wood. This is supported above said wall 21 by means of supporting corner-blocks 26. From the receptacle 13 a drip-pipe 27 leads through the bottom walls of the refrigerator.

By this construction it will be seen that there is a free circulation of air. The same may pass through the meshes of the several bottom walls and become considerably cleaned of impurities by so passing, and thence circulate through and between the side and end walls and through and between the top textile walls. The imperforate or solid top 25 will prevent the air from passing directly upward through the refrigerator in a body.

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

A refrigerator comprising an outer casing open at the bottom, a cover comprising a plurality of lengths of canvas spaced apart to form air-spaces between them, a wooden lid supported and spaced above the upper lengths of canvas, a bottom for the casing, consisting wholly of a plurality of lengths of canvas spaced apart providing for the free circulation of air between them, canvas secured to the inner surface of the casing, and inner side and end walls spaced apart and consisting of canvas.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

FREDERICK W. WHELDON.

Witnesses:

JNO. M. RITTER,
C. R. FERGUSON.