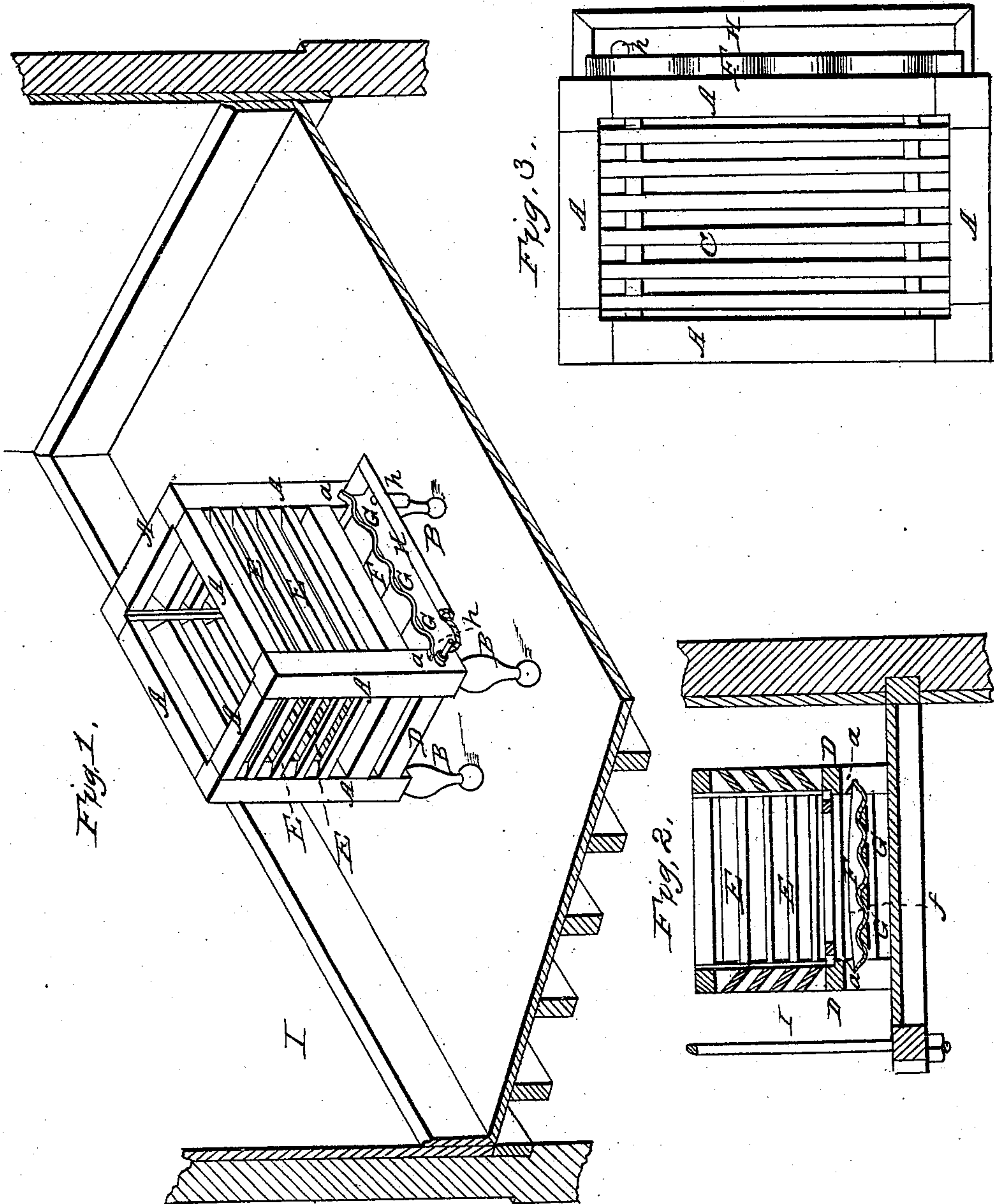


M. C. LONGACRE.

Refrigerator.

No. 41,931.

Patented March 15, 1864.



Witnesses:

Charles D. Smith,
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UNITED STATES PATENT OFFICE.

MANOAH C. LONGACRE, OF CLEVELAND, OHIO.

IMPROVED REFRIGERATOR.

Specification forming part of Letters Patent No. 41,931, dated March 15, 1864.

To all whom it may concern:

Be it known that I, MANOAH C. LONGACRE, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented a certain new and useful Improvement in Refrigerators; and I do hereby declare the following to be a full and exact description of the same, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a perspective view of my improved ice-box. Fig 2 is a plain or top view of the same. Fig. 3 is a vertical longitudinal section of the same in the line *xx*, Fig. 2, representing it supported in the upper part of the provision-room.

Similar letters of reference indicate corresponding parts in the several figures.

This invention consists in the use of an ice-box of peculiar construction, to be placed within a provision-room, whereby the air in the said room may be kept in a cool, dry state adapted for the preservation of perishable articles of food. The construction of the said box also adapts it to be very readily kept clean.

In order that others skilled in the art to which my invention appertains may be enabled to fully understand and use the same, I will proceed to describe its construction and operation.

In the accompanying drawings, A may represent various parts of a rectangular frame or box, which may be either supported upon legs B or attached at any desirable height to the wall I of a provision-room.

C represents a rack or false bottom, upon which the ice is to be placed and through which the water resulting from the ice may drip. The rack C is supported at its ends upon the ledges formed by the transverse pieces D. Below the rack C is placed a corrugated metallic plate, F, which is supported upon transverse bars G, the latter being shaped in conformity with the corrugations of the plate F, as shown in Fig. 2. The ends of the said plate F occupy notches *a*, formed in the lower end of the box, and fit loosely therein, so as to allow

the plate to be withdrawn when it is desired to clean the same. Upon one side of the plate F is formed a flange, *f*, to prevent the passage of water on the side on which it is situated, and said plate F may be slightly inclined, so as to cause the water to flow into a trough, H, whence said water is discharged through a spout, *h*. The trough H may be supported by pins *h'*, projecting from the box or frame, and fitting within corresponding sockets formed at the respective ends of the trough, so that when the plate F is to be withdrawn from the box the trough may be removed to facilitate the operation.

An ice-box constructed as above described may be employed with great advantage in all cases where a cool, dry atmosphere is required for the preservation of fruits, meats, butter, provisions, and other perishable articles.

The box may be attached at any desirable height to the walls of the apartment containing the provisions and be then filled with ice.

The plate F may be readily withdrawn to admit of being cleaned, and, as before stated, the trough H may be movably attached to the box to facilitate the removal of the said plate.

Air coming in contact with and circulating through the body of ice within the box is thereby cooled and dried and passes out between the slats E and the bars of the rack C, so as to maintain a constant circulation and preserve the air of the room in the most desirable condition.

Having thus described my invention, the following is what I claim as new therein and desire to secure by Letters Patent:

The combination with the open frame A E of the rack C, removable corrugated plate F, trough H *h*, and pins *h'*, all constructed and arranged in the manner and for the purposes specified.

MANOAH C. LONGACRE.

Witnesses.

D. W. GAGE,
H. H. MERIAM.