J. A. MEEKS.

Refrigerator.

No. 161,626. Patented April 6, 1875.

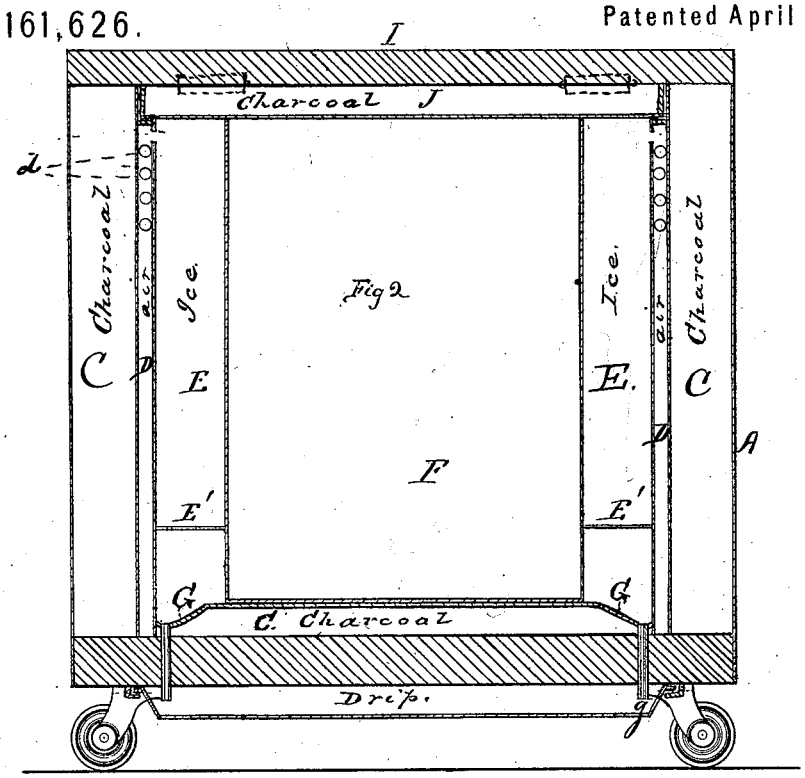
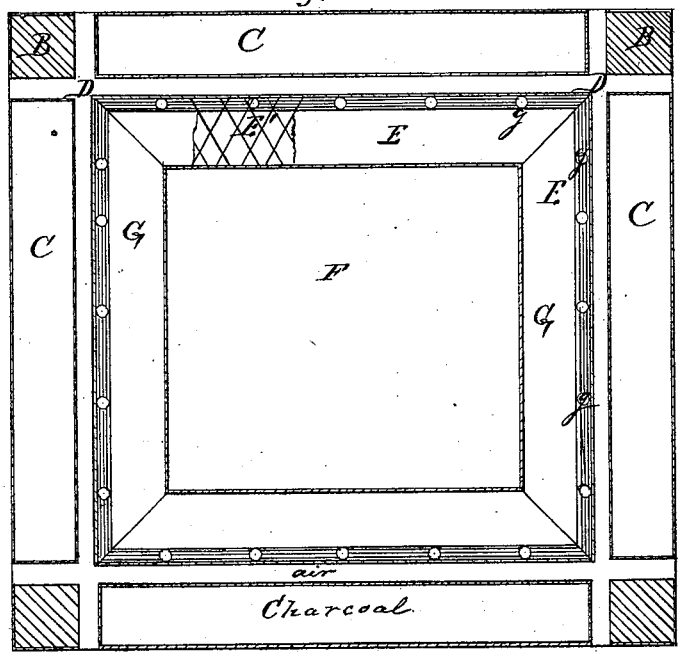


Fig 1



WITNESSES

Walter Miller

Wells W Leggett

INVENTOR

John A. Meeks.

By Leggett & Leggett Attys

THE GRAPHIC CO. PHOTO-LITH. 39 & 41 PARK PLACE, N.Y.

UNITED STATES PATENT OFFICE.

JOHN A. MEEKS, OF BEREA, OHIO.

IMPROVEMENT IN REFRIGERATORS.

Specification forming part of Letters Patent No. **161,626**, dated April 6, 1875; application filed March 6, 1875.

To all whom it may concern:

Be it known that I, JOHN A. MEEKS, of Berea, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Refrigerator or Preserver; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improved refrigerator or preserver, designed for employment in preserving meats and other perishable articles.

My invention consists in the combination of devices and appliances hereinafter set forth and claimed.

In the drawings, Figure 1 is a plan view of my improved refrigerator or preserver. Fig. 2 is a vertical section through the same.

A is the outside of the box, made of boards or any suitable material. B are corner posts for supporting the said structure. C are spaces left on all sides except the top, which spaces are filled with charcoal or other non-conductor of heat, and lined with zinc or any other non-conductor on the inside, next to the air-chamber. D is an air-chamber situated just inside of the spaces C. These air-spaces D extend all around the structure. E is an ice-chamber extending around all the upright sides of the inside portable box F. E′ is a cross-piece near the bottom of the said ice-chamber, upon which the ice rests. G is an inclined drip extending around the bottom of the box F, which permits the water to drip and to flow from the refrigerator through orifices *g*. The inside of the portable box F rests upon a charcoal bottom, or bed of charcoal or other non-conducting material. The said portable box F is composed, preferably, of zinc or galvanized iron, so as to resist oxidation. So, also, the partition between the ice-chamber E and the air-chamber D may be made of similar material, to resist the action of the moisture in the ice-chamber. I is the top of the box. It is provided with a dependent chamber, J, of zinc or galvanized iron, or other suitable material, which is filled with charcoal or other non-conductor below the air-cells in the top. *d d*, &c., are openings to the external air from the air-chamber D, so as to permit the air to circulate through this chamber.

The brace or board E′, upon which the ice rests, may be perforated, so that water that may drip from the ice can readily pass through and out from the orifice *g* down into the water-pan under the refrigerator; or I prefer to place the ice in the ice-chamber in sacks or rolls of cloth, so that they will the better resist external heat, and so also to enable the same to be readily introduced into or removed from the ice-chamber.

The interior box F may be arranged in any suitable manner to receive articles designed to be preserved, the arrangement of the said box forming no part of my invention.

What I claim as new, and desire to secure by Letters Patent, is—

The refrigerator or preserver consisting of a box or case, A, provided with the charcoal-spaces C, the air-space D, with its openings *d*, the ice-chamber E, water-drip G, with its openings *g*, and interior portable box F, substantially as and for the purpose described.

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

JOHN A. MEEKS.

Witnesses:

J. M. WATSON,

JACOB KURTZ.