

C. H. & M. C. TURNER.
Refrigerator Shipping-Box.

No. 199,332.

Patented Jan. 15, 1878.

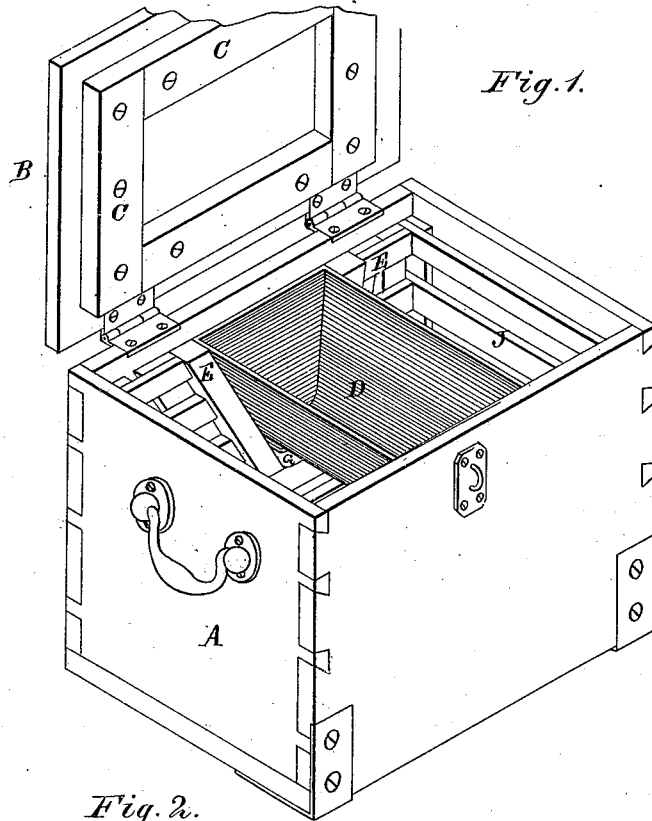


Fig. 1.

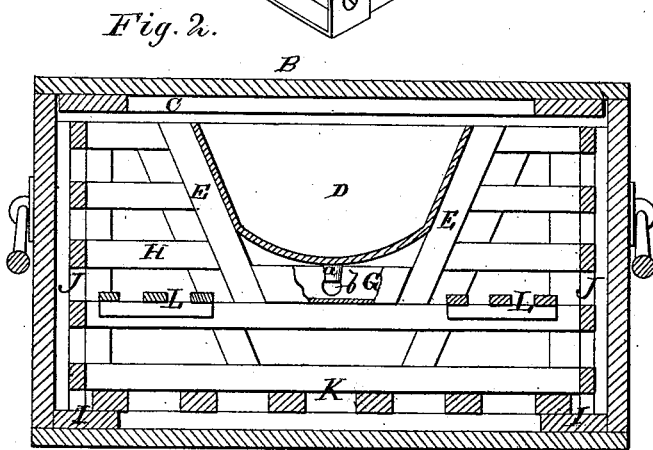


Fig. 2.

WITNESSES
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CALVIN H. TURNER AND MARCUS C. TURNER, OF BATAVIA, NEW YORK.

IMPROVEMENT IN REFRIGERATOR SHIPPING-BOX.

Specification forming part of Letters Patent No. **199,332**, dated January 15, 1878; application filed July 19, 1877.

To all whom it may concern:

Be it known that we, CALVIN H. TURNER and MARCUS C. TURNER, of Batavia, in the county of Genesee, and in the State of New York, have invented certain new and useful Improvements in Refrigerator-Box for Shipping Meats; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of our invention consists in the construction and arrangement of a refrigerating shipping-box, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which our invention appertains to make and use the same, we will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a perspective view of our invention. Fig. 2 is a longitudinal vertical section of the same.

A represents the outside case or box, provided with a hinged lid, B, having on its under side cleats C, fastened to it, substantially as shown in Fig. 1, so as to form a tight joint when the lid is closed down on the box. On the inside of the front and back of the box are secured inclined cleats E E, which form a support for the central ice-pan D, extending from front to back of the box, as shown. The bottom of the ice-pan D inclines slightly toward the rear, and at the rear end is an outlet-tube, *a*, which conducts the waste-water into a small pan, G, secured to the box. The pan G has an outlet, *b*, through the back of the box A for the escape of the waste-water.

On the bottom of the box A, at each end, is a cross-bar I, upon which are placed four vertical racks, H H and J J. The front and back racks H H are constructed to fit around the cleats E, as shown, and said racks may or may not be fastened to the box by a screw or pin, if desired. It will thus be seen that the cleats E not only support the ice-pan, but prevent any upward movement or slipping of

the racks H when the latter are not held by nails or screws. The end racks J J are slid vertically down at the ends, as shown.

A bottom rack, K, is placed within the frame formed by the vertical racks, and a small rack, L, is placed on each side of the ice-pan, said racks L being supported in the front and rear by the racks H, as shown.

When the small racks L are in position they act as braces to prevent the front and back rack H from falling toward each other when the box is in transit, as well as forming racks for holding meats, &c.

It will be understood, of course, when the racks L are used, the racks H need not be secured by screws or nails to the front and back of the box. When said racks are not in use, unless the racks H are secured to the box, they will be liable to fall toward each other.

This refrigerating shipping-box is mainly designed for inland transportation, and is to be used by butchers in shipping meat from the country to private families in cities. The ice is put in the pan or chamber D, the waste-water running out through the tube *b* at the back of the box into the car.

The construction and arrangement of the racks furnish means of circulation for the cold air off the ice.

The ice-pan D and all the racks are easily removable from the box for cleaning and other purposes.

Having thus fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

A refrigerating shipping-box, A B, provided with the stationary cleats E E, ice-pan D, and the removable side and bottom racks, all substantially as and for the purposes herein set forth.

In testimony that we claim the foregoing we have hereunto set our hands this 29th day of June, 1877.

CALVIN H. TURNER.
MARCUS C. TURNER.

Witnesses:

H. A. MEREDITH,
R. S. LUSK.