

(No Model.)

T. DRUMMOND.
REFRIGERATOR SHIPPING BOX.

No. 533,794.

Patented Feb. 5, 1895.

FIG. 1.

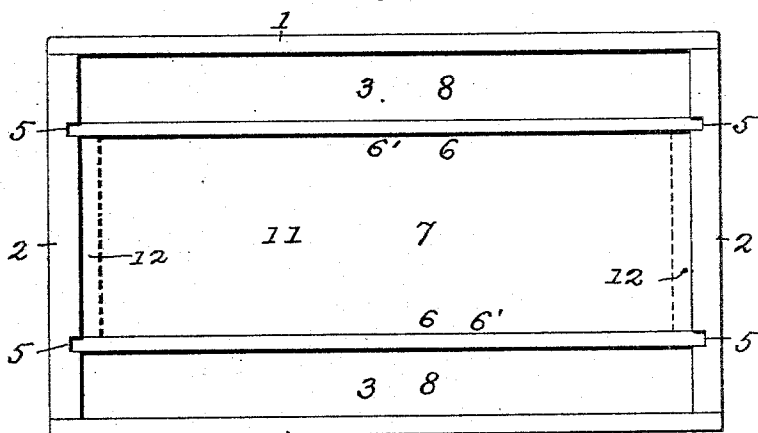


FIG. 2.

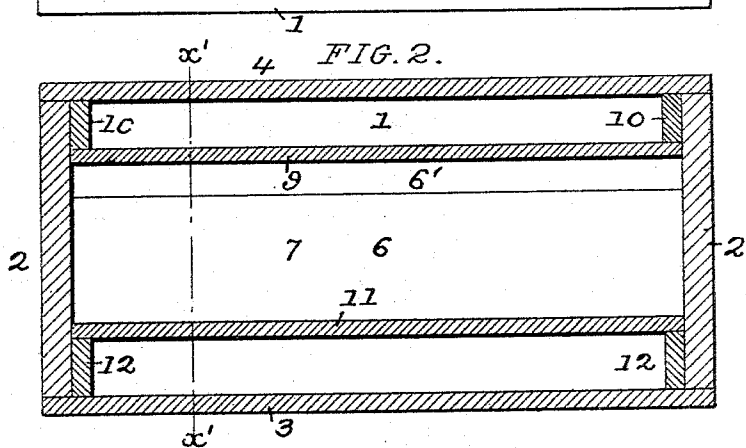
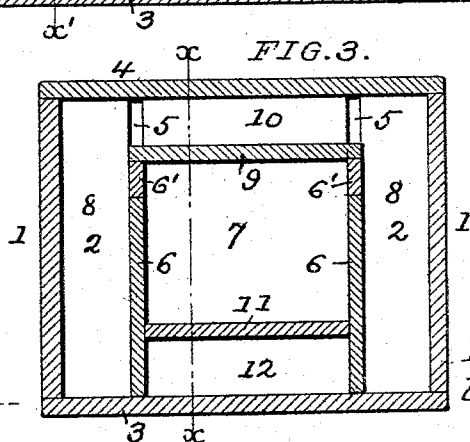


FIG. 3.



ATTEST:

Geo. H. Arthur

W. H. Holmes

INVENTOR:

Thos. Drummond,
by *Robert Burns*
Att'y.

UNITED STATES PATENT OFFICE.

THOMAS DRUMMOND, OF CHICAGO, ILLINOIS, ASSIGNOR TO GEORGE T. COOK AND W. W. RATHBORNE, OF SAME PLACE.

REFRIGERATOR SHIPPING-BOX.

SPECIFICATION forming part of Letters Patent No. 533,794, dated February 5, 1895.

Application filed February 10, 1893. Serial No. 461,795. (No model.)

To all whom it may concern:

Be it known that I, THOMAS DRUMMOND, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Refrigerator Shipping Boxes or Cases; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification.

The present invention relates to that class of refrigerator shipping boxes that are partitioned off into separate chambers for the ice and the perishable articles to be shipped.

The object of the present improvement is to provide a simple and cheap construction of such shipping cases or boxes embodying the following features, to-wit: an arrangement of the vertical partition wall in a removable manner within vertical grooves in the end walls of the box, so as to permit of a ready and convenient detachment of the interior partitions when it is desired to use the case or box for ordinary shipping purposes, and which admits of the ready and convenient replacement of such interior partitions when it is desired to reconvert the box or case to its original use; a sectional formation of the vertical partition walls that form the inner receiving compartment, so as to permit of a ready change in the capacity of such inner compartment to suit the quantity of goods to be shipped; a false bottom arranged removably between the vertical partitions, so as to form a bottom compartment for the reception of ice and which is capable of being removed when it is desired to further increase the capacity of the shipping compartment; and cleats arranged between the main box cover and the inner compartment to hold the latter in place in a simple and effective manner during shipment. I attain such objects by the construction and arrangement of parts illustrated in the accompanying drawings, in which—

Figure 1, is a plan view of a case or box with the top covers removed, embodying the present improvements. Fig. 2, is a longitudinal section of the same at line $x-x$, Fig. 3,

Fig. 3, is a transverse section at line $x'-x'$, Fig. 2.

Similar numerals of reference indicate like parts in the several views.

As represented in the drawings, the main outer box or case will be of the usual rectangular form and consist of vertical side walls 1, end walls 2, bottom 3, and cover 4, nailed or otherwise attached together in the usual manner.

In the present invention the end walls 2 will be provided with a pair of vertical grooves 5, located a suitable distance away from the side walls 1, and adapted to receive the vertical partitions 6, that extend the length of the case, and form the central receiving chamber 7 for the articles to be shipped, and the side chambers 8 for ice to preserve the same. These partitions 6 do not extend the full height of the interior of the box, but are curtailed, as shown, so as to leave a cross space above the cover 9 that fits on top of said partitions to cover and inclose the top of the receiving chamber 7. This cover 9 extends the full length of the box, and is held in place by the removable end cleats 10, inserted between said cover 9 and the main box cover 4, as shown in Fig. 3. The partitions 6 are preferably made in sections, a main or lower section, and an upper or supplementary section 6', that is capable of ready removal when it is desired to decrease the capacity of the receiving chamber or compartment 7.

In my preferred construction as illustrated in the drawings, the bottom of the receiving chamber 7 is formed by a removable horizontal partition or bottom 11, supported a distance away from the main bottom 3 of the case or box, by end cleats 12 to form a lower ice receiving compartment beneath the receiving compartment 7, and which bottom is capable of ready removal when it is desired to increase the capacity of the receiving compartment 7.

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

1. A refrigerator shipping box or case, comprising in combination a box or case the end

walls 2 of which are formed with the pair of vertical grooves 5, a pair of vertical partitions 6 removably placed therein and made a less height than the interior of the box, and a cover 9 inclosing the central chamber formed by such partition, substantially as set forth.

2. A refrigerator shipping box or case, comprising in combination a box or case, the end walls 2 of which are formed with the pair of vertical grooves 5, a pair of vertical partitions 6 removably placed therein and made in two sections, a main lower section and an upper supplementary section, and a cover 9 inclosing the central chamber formed by such partitions, substantially as set forth.

3. A refrigerator shipping box or case comprising in combination, a main box or case the end walls of which are formed with the pair of vertical grooves 5, the vertical parti-

tions 6 removably placed therein, the cover 9, and the end cleats 10, inserted between the cover 9 and the main box cover 4, substantially as set forth.

4. A refrigerator shipping box or case comprising in combination, a main box or case the end walls of which are formed with the pair of vertical grooves 5, the vertical partitions 6 removably placed therein, the cover 9, and horizontal partition or bottom 11 removably supported by end cleats 12, substantially as set forth.

In testimony whereof witness my hand this 6th day of February, 1893.

THOMAS DRUMMOND.

In presence of—

GEO. J. KEENLER,
ROBERT BURNS.