

W. D. GUILBERT, D. GOUCHENOUR, & F. E. MOOR.
Boxes for Transporting Butter.

No. 155,373.

Patented Sept. 29, 1874.

Fig. 1.

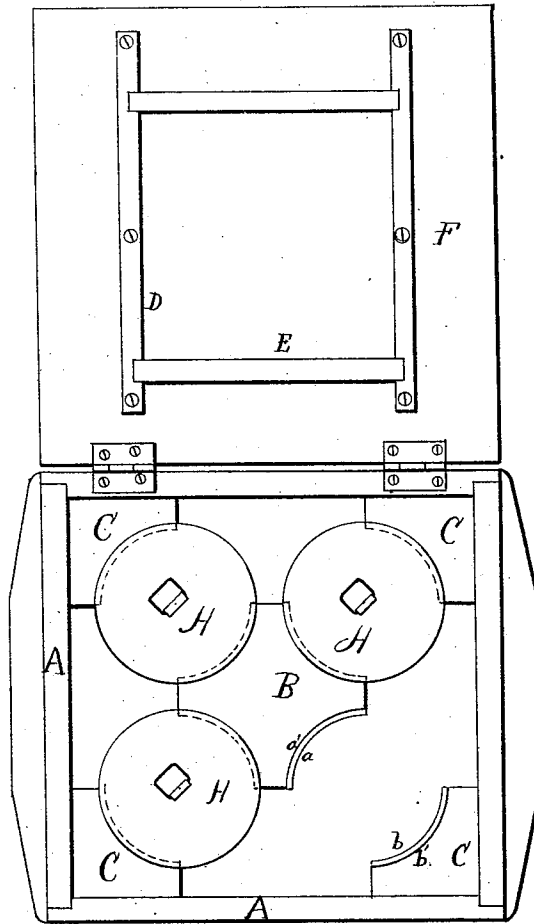
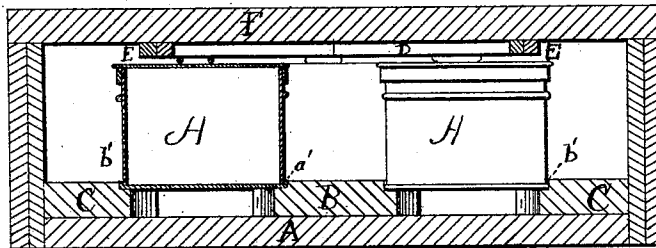


Fig. 2.



WITNESSES.

Colborne Brooks del.
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Walter Guilbert, INVENTOR
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per Robt. A. Lacey, Attorney

UNITED STATES PATENT OFFICE.

WALTER D. GUILBERT, DAVID GOUCHENOUR, AND FRED E. MOOR, OF
SOUTH OLIVE, OHIO.

IMPROVEMENT IN BOXES FOR TRANSPORTING BUTTER.

Specification forming part of Letters Patent No. **155,373**, dated September 29, 1874; application filed
July 22, 1874.

To all whom it may concern:

Be it known that we, WALTER D. GUILBERT, DAVID GOUCHENOUR, and FRED E. MOOR, of South Olive, in the county of Noble and State of Ohio, have invented certain new and useful Improvements in Boxes for Shipping Butter; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The object of our invention is to furnish a substantial packing-box for use in shipping butter, where it is desired to have the latter preserved by ice. It consists in the combination, with the outer casing, of a series of blocks, of peculiar construction, and cross-bars, whereby the cans or butter-firkins are held securely in place, and separated from each other and the outer casing, thereby securing ample space, entirely surrounding the same, for the reception of ice or non-conducting material.

In the drawings, Figure 1 is a plan view with lid thrown open, and Fig. 2 is a diagonal sectional elevation with lid closed.

A is an ordinary packing-box, made strong and substantial to resist rough handling. B and C are a series of under blocks, secured to the bottom of the casing. They are made of such thickness that when the firkins are placed thereon sufficient space will intervene between them and the bottom of the box for the reception of ice. The blocks C are one-fourth the size of the central block B, and are constructed so as to fit in the corners of the box. These blocks have their sides recessed by the circular scallops *a* and *b*. The block B has four recesses, which are so arranged as to be directly opposite the corners of the box, and opposite to the recesses in the blocks C. The recesses are formed so that when the blocks are properly placed the recess *b* on the corner-block, and its corresponding recess *a* on the center block, will describe arcs of the same circle, or portions of the contour of a figure corresponding to the contour of the bottom of the firkin or butter-can used. On the upper side of the blocks,

and on the edge of the recess, we cut the half-mortise *a' b'*, in which we set the firkin. These hold the firkins securely, and prevent them from slipping about. D and E are a series of cross-bars, secured to the lid F. The number of bars used is regulated by the number of rows of firkins, lengthwise and crosswise of the box, there being a bar for each row each way. They are so arranged that two bars will cross above each firkin. They are of such thickness as to extend to, and press lightly on, the top of the firkins.

The firkins or cans used do not reach to the top of the box, but only to that height that will leave a space between their tops and the lid of the box equal to about the thickness of the block B.

We do not confine ourselves, in the construction of our box, to the number of four cans, as shown in the drawing.

It will be readily seen that a box can be constructed, according to our invention, for any number of cans.

Where the box is large, and designed for more than four cans, blocks half the size of the block B, having two recesses, are secured to the side of the box at proper distances, and as many central blocks are used as may be required.

It will be readily seen that butter-cans packed according to our invention will be held securely in place in whatever position the box may be placed, and that around the cans, on all sides, ample space is secured for packing ice for the preservation of the butter.

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

In a packing-box, the combination, with the casing A, of the blocks B C, having the recesses *a b* and half-mortises *a' b'*, and cross-bars D E, substantially as and for the purposes specified.

In testimony that we claim the foregoing as our own we hereto affix our signatures in presence of two witnesses.

WALTER D. GUILBERT.
DAVID GOUCHENOUR.
FRED E. MOOR.

Witnesses:

LEMON L. WOODS,
JAMES W. GOUCHENOUR.