H. MAYO, DEC'D.

H. T. MAYO, ADMINISTRATRIX.

SHIPPING BOX FOR CANS.

APPLICATION FILED JAN. 6, 1910.

**969,386.** Patented Sept. 6, 1910.

2 SHEETS—SHEET 1.

Fig. 1.

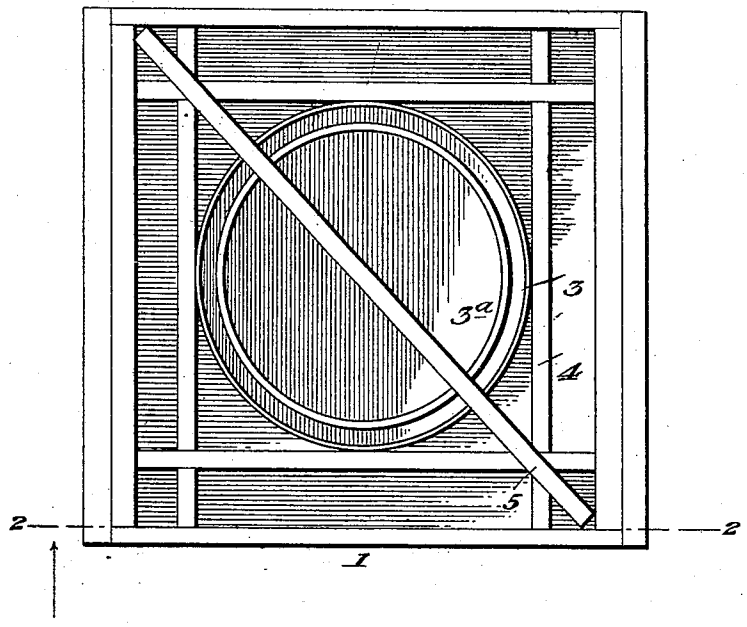
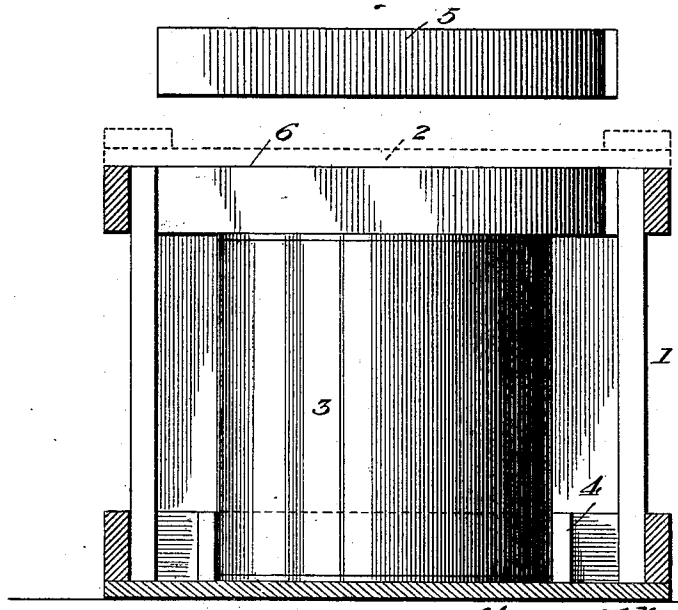



Fig. 2.

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2 SHEETS—SHEET 2.

Fig. 3.

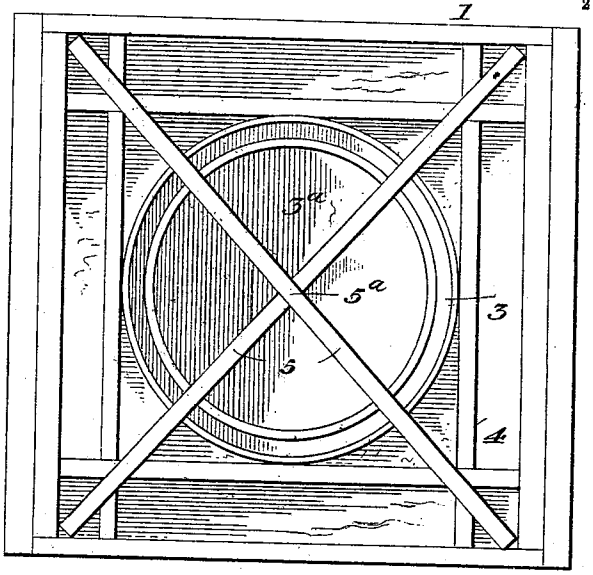



Fig. 4.

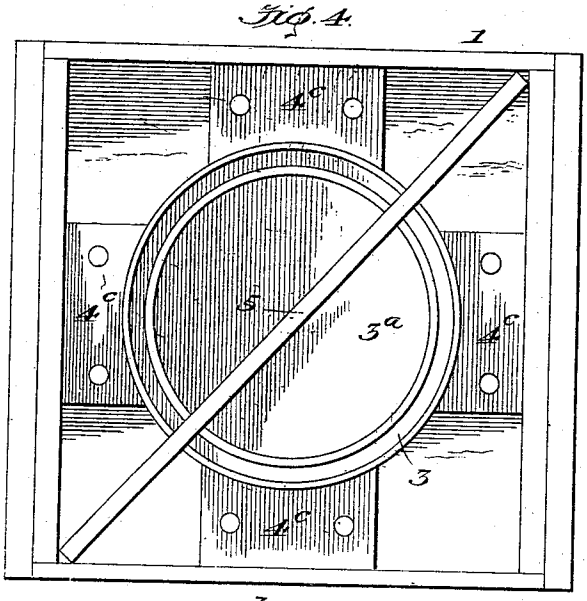
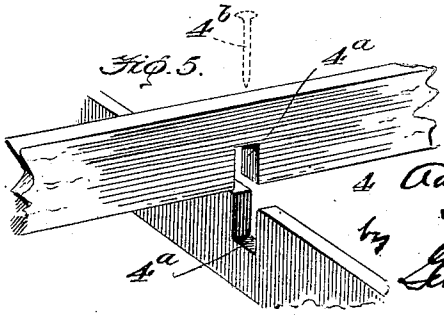



Fig. 5.

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# UNITED STATES PATENT OFFICE.

HENRY MAYO, DECEASED, LATE OF NORFOLK, VIRGINIA; HULDA T. MAYO, ADMINISTRATRIX.

## SHIPPING-BOX FOR CANS.

969,386. Specification of Letters Patent. **Patented Sept. 6, 1910.**

Application filed January 6, 1910. Serial No. 536,744.

*To all whom it may concern:*

Be it known that HENRY MAYO, deceased, late a citizen of the United States, residing at Norfolk, county of Norfolk, and State of Virginia, did invent a new and useful Shipping-Box for Cans, of which the following is a specification.

This invention relates to shipping boxes for cans.

The present invention has for its object the provision of a shipping or packing box for cans having simple, inexpensive, easily positioned and easily removable, and efficient means for holding the can in the box and securing the lid or closure in position at all times.

In carrying out the invention, there is provided novel means to hold the can in position in the box, and a retaining strip or strips requiring no nails or other fastenings and held in position by the box top or cover, the arrangement being such that the can is held so that it will not move about within the box; the retaining strip holds the can in position and prevents the can cover or lid from becoming accidentally displaced, and the can is securely retained so that it cannot become damaged.

The present invention is particularly adapted for use with cans which are for the shipment of oysters and other foods or substances which it is desirable to pack in ice to keep them in a proper state of preservation during transit, and the invention contemplates the retention of the can regardless of the melting of the ice packing therefor which may seep through the box.

In the accompanying drawings:—Figure 1 is a plan view, the box cover being removed and the frame, can, and retaining strip being in position; Fig. 2 is a vertical section on line 2—2 of Fig. 1, the retaining strip being shown in full lines above the box, as well as in position to illustrate its detachment, and the box cover being shown in dotted lines. Fig. 3 is a view like Fig. 1 but showing how crossed retaining strips may be used; Fig. 4 is a view like Fig. 1, but showing the substitution of a modified arrangement for holding the can away from the sides of the box; and Fig. 5 is a detail view illustrating one of the joints of the retaining frames of either Figs. 1 or 3.

The box 1 is preferably square or rectangular and of any suitable construction, the cover 2 thereof being shown in dotted lines in Fig. 2.

The can to be packed or shipped is shown at 3 and may be cylindrical, square, or of any other shape and provided with any kind of a lid or closure $3^a$.

In Figs. 1 and 2, there is disclosed a frame 4 composed of four crossed strips, said frame snugly yet easily fitting the box 1 and being removable therefrom. The frame is of such size that the square part thereof snugly yet easily receives the can 3, thereby positioning the can and holding it against lateral shifting in the box. This frame may be of any preferred construction, having notched engaging parts $4^a$ (Fig. 5), where the strips cross, and used with or without fastening nails thereat, as shown by dotted lines at $4^b$; or, if desired, such notches may be omitted and nails substituted therefor.

A retaining strip 5 of such length that it will fit diagonally in the box and have its ends retained by the corners of the latter, although it might be otherwise disposed, is designed to be placed on top of the can cover $3^a$ and when so placed, have its upper edge 6 sufficiently flush with the upper edge of the box, or, at least so positioned that it will be engaged by the box cover 2 when the latter is nailed on.

In Fig. 3, instead of but one retaining strip 5, two are used, said strips being notched to interlock and fastened, if desired, at $5^a$.

In Fig. 4, in place of the frame 4, blocks $4^c$ are secured to the sides of the box 1 at the bottom thereof and are adapted to engage the sides of the can.

I have illustrated the present invention as adapted for holding but a single can, but it is just as well adapted for holding a number of cans by adapting the retaining frame 4 or retaining blocks $4^c$ to a plurality of cans and by the proper arrangement and disposition of the retaining strips, and I wish it understood that I claim the use of the invention in connection with one or more cans and subject to various modifications falling within the spirit and scope of the invention.

If the loose frame 4 is used, it is first

placed in the box 1, and the can or cans are then positioned in said frame and the retaining strip or strips are finally placed in position across the lid or cover of the can or cans, after which, the cover of the box is nailed down. When the cover is removed the can or cans can at once be lifted out after first removing the retaining strip or strips. In the form shown in Fig. 4, the can or cans are simply placed in position and the retaining strip or strips placed on top thereof.

In the present invention, it is not necessary to resort to nails or other fastenings, except such as secure the cover, the can or cans being securely held within the box, but all the parts are arranged so that the can or cans may be readily removed on taking off the cover.

The invention is particularly designed for use in connection with metal cans containing oysters, liquids, etc., the disposition of the can or cans permitting crushed ice to be packed therearound, when desired, the melting of the ice while the box is in shipment, not affecting the position of the can or cans.

I wish it understood that the frame 4 or retaining blocks $4^c$ need not necessarily be positioned at the bottom of the can or cans, as they may be located at different heights without affecting the function of serving as a positioning device.

Having thus described the invention, what is claimed as new and is desired to be secured by Letters Patent, is:—

1. A packing or shipping box for cans, comprising a polygonal box, means for holding the can therein, a cover, and a retainer strip located between the cover and can end which extends diagonally of the box and is held at its ends by the box corners, said retainer being held against the can end by the cover.

2. A packing or shipping box for cans, comprising a polygonal box, a cover, a retainer strip located between the cover and can end, which extends diagonally of the box and is held at its ends by the box corners, and against the can end by the cover, and a loose or removable frame composed of crossed strips engaged at their points of intersection and so arranged as to fit in said box and to snugly receive and position a can in a square of said frame, said frame having its margin disposed away from the walls of the box.

In testimony whereof, I hereunto affix my signature in presence of two witnesses.

HULDA T. MAYO,
*Administratrix of the estate of Henry Mayo, deceased.*

Witnesses:
J. C. HEARD,
J. A. MARKEL.