

UNITED STATES PATENT OFFICE.

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ICE-CREAM-PACKING CABINET.

SPECIFICATION forming part of Letters Patent No. 751,168, dated February 2, 1904.

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To all whom it may concern:

Be it known that I, EDWARD HADLEY, a citizen of the United States, residing at Ottawa, in the county of Franklin and State of Kansas, have invented certain new and useful Improvements in Ice-Cream-Packing Cabinets, of which the following is a specification.

This invention relates to ice-cream-packing cabinets of that type in which the can containing the cream is embedded in ice and which is provided with a hollow lid containing ice, said lid being adapted to fit down over the lid of the can in order to preserve the cream in a frozen state for a comparatively long period of time; and my object is to provide a lid of this character which when raised or lowered, respectively, will remove the can-lid or replace it upon the can.

A further object is to produce a device of this character of comparatively simple, strong, durable, and cheap construction.

With these general objects in view and others as hereinafter appear the invention consists in certain novel and peculiar features of construction and combinations of parts, as hereinafter described and claimed, and in order that it may be fully understood reference is to be had to the accompanying drawings, in which—

Figure 1 represents a central vertical section of an ice-cream-packing cabinet embodying my invention. Fig. 2 represents a section similar to Fig. 1, but taken at right angles to said figure. Fig. 3 is an inverted plan view of the lid of the cabinet. Fig. 4 is a detail perspective view of the hinge of the cabinet-lid. Fig. 5 is a detail perspective view of a socket secured to the cabinet, with which said hinge is adapted to be detachably connected.

Referring to the drawings in detail, 1 designates a cabinet of any suitable form and provided with a socket 2 in its bottom for the reception of the pin 3, depending from the can 4, in which the ice-cream is packed, said pin and socket serving to centralize the lower end of the can in the cabinet. Near its upper end the cabinet is provided with a number of radiating arms 5 to engage the can and therefore centralize the upper end of the can, in

order that the wall of ice may be of uniform thickness and more conveniently packed around the can.

On the upper end and outside of the cabinet a plate 6 is secured and is provided with vertical angle-ribs 7 to receive the depending member 8 of a hinge, the upper member 9 of said hinge being secured to the lid of the cabinet. Said lid comprises the upper portion 10 and the lower portion 11, adapted to depend into the cabinet to about the plane of the top of the lid 12 of the can, which lid is preferably flared at its lower margin, as at 13, in order to insure its proper engagement with the can when forced thereon by the closing of the cabinet-lid, as hereinafter explained.

The cabinet-lid is provided with a hasp 14 for engagement with a staple 15 on the cabinet. A lock (not shown) may be used to secure the hasp in position, if desired, or any other suitable fastening in lieu of that described may be employed, it being understood, of course, that the fastening is only desirable under certain conditions—for instance, when the cabinet is to be transported from one point to another.

To make a water-tight joint between the cabinet and its lid, a rubber gasket 16 may be secured to the latter. To give access for the purpose of charging the lid with ice, it is provided with an opening 17, adapted to be closed by a hinged door 18, equipped with a gasket 19 to exclude air and a suitable handle 20 for its convenient manipulation, a turn-button 21 being secured to the lid to fasten the door in its closed position. The lower or receptacle part of said lid is preferably formed of sheet metal stamped centrally to provide an elongated recess 22 in its under side of somewhat greater length, width, and depth than the handle 23 of the can-lid, and riveted or otherwise secured in said recess is a spring-catch 24, substantially U shape in cross-section and having the lower ends of its arms flaring, as at 25, so that when the lid 12 is on the can and the cabinet-lid is closed said spring-catch will automatically engage the handle 23 of the can-lid, in order that when the cabinet-lid is raised it will incidentally raise the lid from the can and give instant access to its contents. When

the lid is again lowered, it automatically replaces lid 12 upon the can, as shown.

- The water from the melting ice in the cabinet-lid drains through the hole 26, formed in the bottom of lid portion 11 at the point nearest to its hinge, so that while said lid is being raised or lowered the water is given an opportunity to drain into the cabinet, from which it escapes through the drain-tube 27.
- While the cabinet-lid is detachably connected to the cabinet, as described, it will be understood, of course, that this detachable relation need not exist, as for most purposes an ordinary hinge would serve equally well.
- The detachable relation is of advantage where space is limited, and for the further reason that the weight of the cabinet-lid when in the position shown in dotted lines would render the cabinet unstable when empty.
- At the present time ice-cream is usually packed in an ordinary freezing-can, and the latter is placed in a bucket or equivalent receptacle, said bucket or receptacle being then filled with ice until the can is completely covered, so that to give access to the can-lid to remove the same the dealer must first remove some of the ice or else pile it to one side with his hands. He thus runs the risk of getting salt in the cream. After removing the desired quantity of cream he must replace the lid and then recover the lid with the ice, and if he wishes to keep the cream frozen solid for a long period he must repeat these operations with each sale of cream.
- With my invention the annoyance of repeatedly handling the ice and can-lid is avoided and practically all chance of spoiling the cream with salt is eliminated.

It will be understood that the invention is susceptible of modification in various particulars without departing from the essential spirit and scope or sacrificing any of the advantages.

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

1. The combination of a cabinet, a can therein, having a detachable lid, and a hollow lid for the cabinet and hinged to the same, and having a spring-catch for engagement with the can-lid so as to lift the latter off or replace it upon the can.
2. The combination of a cabinet, a can therein, having a detachable lid provided with a handle, and a hollow lid for the cabinet having a recess at its bottom to receive the can-lid handle, and provided with a spring-catch to engage said handle.
3. The combination of a cabinet, a can therein having a detachable lid provided with a handle, a lid for the cabinet having a recess in its bottom, and a spring-catch secured to the base of such recess and of substantially inverted-U form in cross-section.
4. The combination of a cabinet having a hinged lid, provided with a recess in its bottom, and a spring-catch in said recess, with a can within the cabinet and having a lid provided with a handle to be automatically engaged by said catch when the cabinet-lid is closed.

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

EDWARD HADLEY.

Witnesses:

H. F. HADLEY,
W. E. HADLEY.