No. 657,610. Patented Sept. 11, 1900.

W. MITCHELL.

ICE CREAM MOLD.

(Application filed July 7, 1900.)

(No Model.)

Fig. 1.

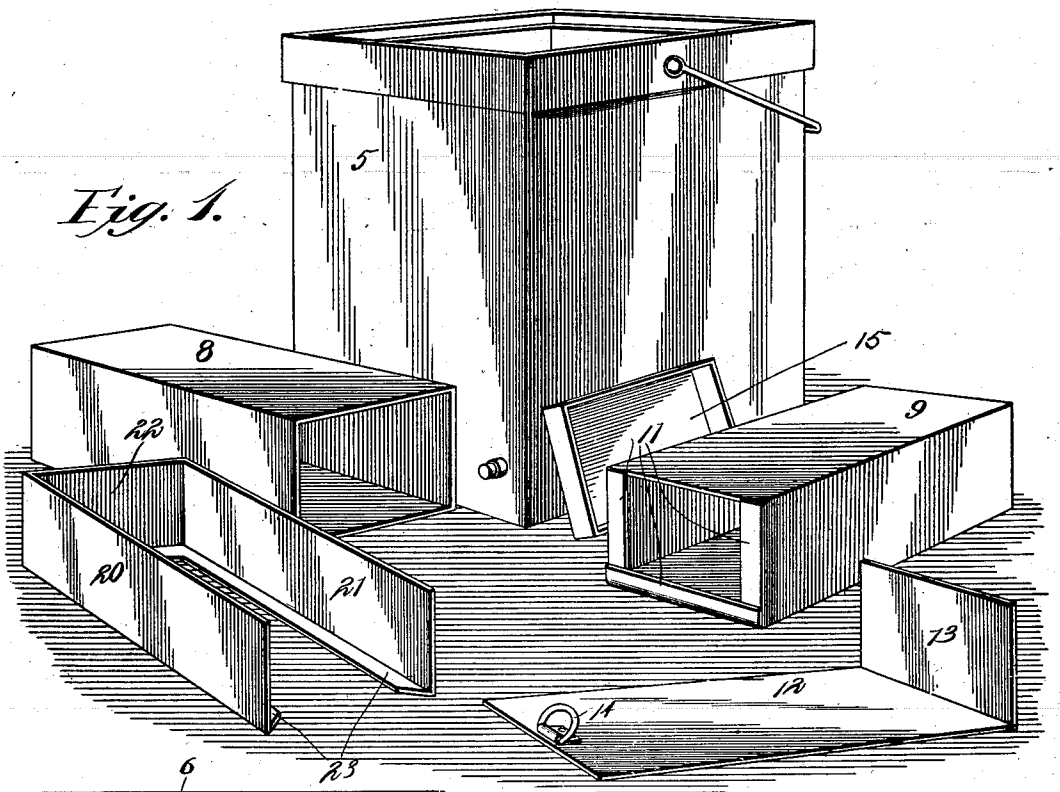


Fig. 2.

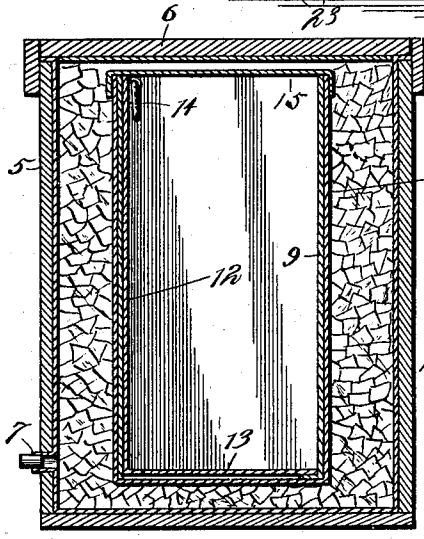
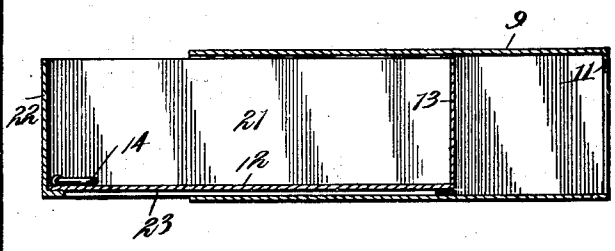


Fig. 3.



Witnesses
C. L. Walker.
Geo. H. Chandlee.

W. Mitchell Inventor
by C. A. Snow & Co.
Attorneys

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

WILLIAM MITCHELL, OF COLDWATER, MICHIGAN.

ICE-CREAM MOLD.

SPECIFICATION forming part of Letters Patent No. 657,610, dated September 11, 1900.

Application filed July 7, 1900. Serial No. 22,835. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM MITCHELL, a citizen of the United States, residing at Coldwater, in the county of Branch and State of Michigan, have invented certain new and useful Improvements in Ice-Cream Molds, of which the following is a specification.

This invention relates to ice-cream molds wherein the ice-cream is packed after having been manufactured to form it into proper shape to facilitate serving, whether in a solid cake or in layers, one object of the invention being to provide a construction of holding-can from which the brick of ice-cream may be readily removed, a further object being to provide a mold for the formation of a composite brick and means for putting it into and removing it from the packing-can.

Further objects and advantages of the invention will be evident from the following description.

In the drawings forming a portion of this specification, and in which like numerals of reference indicate similar parts in the several views, Figure 1 is a general perspective view showing the several parts of the device disassembled. Fig. 2 is a vertical central section of the device with the parts in position as when the mold is filled. Fig. 3 is a sectional view showing the method of inserting a composite brick into the storage-can.

Referring now to the drawings, the present invention includes an ice box or chest 5, having a cover 6 and a drain-opening 7, all of which is of usual construction, and which box is adapted to receive ice, in which the storage-can is packed.

The storage-can consists of a rectangular sheet-metal body 8, the upper end of which is open and the lower end closed. A lining 9 is provided for the storage-can, made of sheet metal and having both ends open, the lower or rear end thereof, however, being partly closed by extending the metal at the ends of three sides of the lining and then bending the extended portions at right angles to extend part way across the end of the lining, as shown at 11. The lining 9 has a drawer fitted loosely therein, and this drawer consists of a piece of sheet metal 12, of a width approximately equal to the width of the interior of the lining, and one end of which sheet-metal plate is bent upwardly at right angles, as shown at 13, the height of this bent-up portion being equal to the height of the interior of the lining, so that the plate or drawer may be slipped into the wide-open upper end of the lining, and its upturned end 13 may be moved to lie against the inturned end portions 11 of the lining to prevent movement of this rear end of the drawer rearwardly from the lining. The forward end of the plate 12 has a ring 14 or other form of handle attached thereto.

The operation of packing the storage-can to make a solid brick is as follows: The storage-can may be first placed in the ice-box or may be placed therein after the ice-cream is placed therein; but in either event the lining is placed in the storage-can and the plate 12 is slipped thereinto in the manner above described, after which the ice-cream is placed in the lining and upon the plate 12. The ice-cream is packed firmly, and when the lining is full the cover 15 is placed on the storage-can. When the ice-cream is to be removed, the ring 14 may be grasped and the lining, with the plate or drawer, may be lifted from the storage-can and placed on a table, the friction between the lining and the ice-cream causing the lining to move with the ice-cream as it is lifted with the plate or drawer. By then holding the lining from movement the upturned end 13 may be pressed inwardly of the lining, forcing the front end of the drawer out through the front of the lining, when it may be entirely withdrawn and dumped from the drawer or plate onto a plate, or, if preferred, a section may be cut off and the remainder returned, with the drawer, into the lining, which may be then replaced in the can.

In the formation of a composite brick there is used a mold of sheet metal consisting of two side portions 20 and 21 and a connecting end portion 22, all formed of a single piece of sheet metal, the lower edges of the sides and end being bent inwardly at right angles and soldered or otherwise connected to form a partial bottom for the mold. In the use of this member of the device the drawer is placed to rest with its bottom against or upon the inwardly-projecting portions 23 and with its upturned end 13 to close the open end of the mold. The ice-cream is then filled into the

resultant rectangular mold in layers until the mold is full. The end of the mold containing the upturned end 13 of the drawer or plate 12 is then introduced into the end of the lining and the drawer is pushed into the lining and from the mold, carrying the composite brick with it. When the brick has been thus placed entirely within the lining, the mold is withdrawn. The composite brick is withdrawn from the lining and the storage-can in the same manner as above described in connection with the solid brick.

It will of course be understood that in practice various modifications of the specific construction shown may be made and that any suitable materials and proportions may be used, and, furthermore, that the parts of the structure may be utilized and combined in any desired manner without departing from the spirit of the invention.

What is claimed is—

1. A device of the class described comprising a storage-can, an open-ended lining slidably fitted in the can, said lining having stops at its inner end, and a plate adapted to fit against the bottom of the lining and having an upturned end adapted to lie against the stops and close the end of the lining.

2. A device of the class described comprising a storage-can, a lining for the can, a mold consisting of two sides and a connected end having inwardly-projecting portions at their lower edges, said mold being adapted to lie with its open end within the end of the storage-can lining, and a plate adapted to lie upon the inwardly-projecting portions of the mold and having an upturned end to close the end of the mold, said plate being adapted to be passed from the mold into the lining of the storage-can.

3. A device of the class described comprising an ice-box, a storage-can within the box, a lining for the can having open ends and stops at its inner end, a mold comprising two sides and an end rigidly connected and having inwardly-projecting portions at their lower edges, and a drawer consisting of a plate having an upturned end, said plate being adapted to rest upon the inturned portions of the mold and to close the end thereof with its upturned portion, and to move from the mold into the lining to rest with its upturned end against the stops thereof.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

WILLIAM MITCHELL.

Witnesses:
H. R. SAUNDERS,
W. H. SIMONS.