D. J. ROGERS.

ICE-CREAM FREEZER.

No. 182,229. Patented Sept. 12, 1876.

Fig. 1.

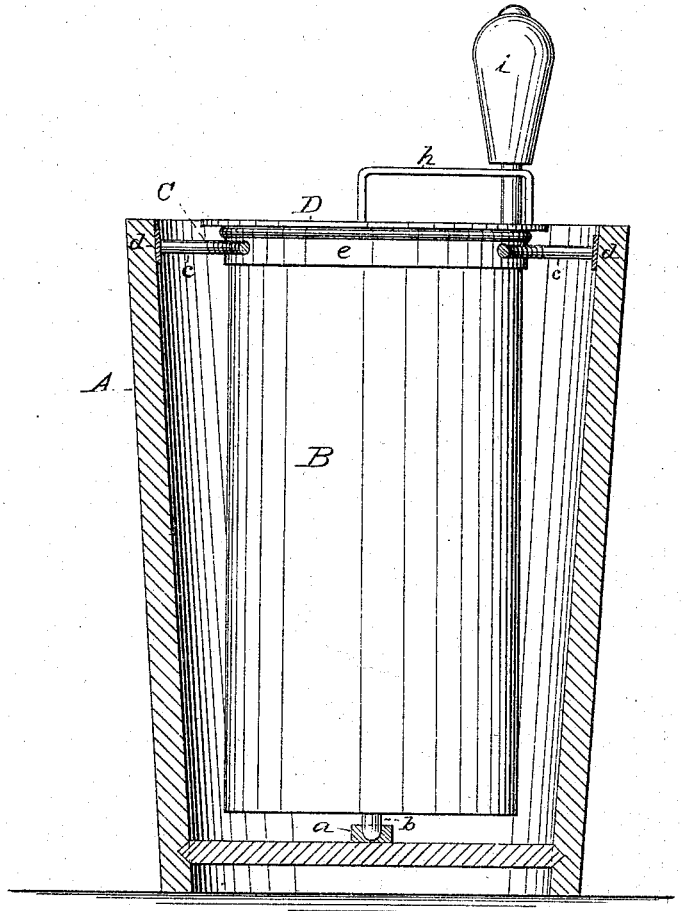
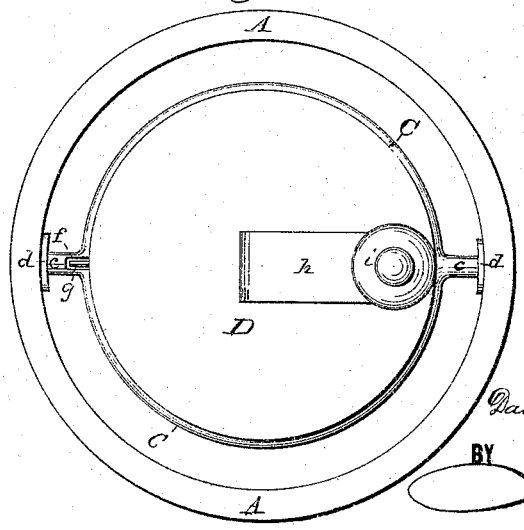


Fig. 2.



WITNESSES:

Solon C. Kemon

Edw. H. V. Byrne.

INVENTOR:

David J. Rogers

BY

Kenn & Co

ATTORNEYS.

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

DAVID J. ROGERS, OF BARDSTOWN, KENTUCKY.

IMPROVEMENT IN ICE-CREAM FREEZERS.

Specification forming part of Letters Patent No. **182,229**, dated September 12, 1876; application filed July 28, 1876.

To all whom it may concern:

Be it known that I, DAVID J. ROGERS, of Bardstown, in the county of Nelson and State of Kentucky, have invented a new and Improved Ice-Cream Freezer; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, forming part of this specification, in which—

Figure 1 is a vertical section; Fig. 2, a plan view.

My invention relates to certain improvements in that class of ice-cream freezers which consists of a can pivoted upon a step in the bottom of the tub or pail, and are adapted to be rotated to effect the freezing without any internal stirrer.

My improvements consist in the particular construction and arrangement of a rim attached to the tub, which holds the can in upright position; and also in the construction and arrangement of the handle, as hereinafter more fully described.

In the accompanying drawing, A represents the wooden tub or pail which contains the ice, and is provided in the center of its bottom with the usual step-plate *a*, which forms a bearing for the pivot of the can to swivel in. B is the can for containing the cream, which is provided with the ordinary pivot *b*, that fits and revolves in the step *a*, and supports the can in the tub. Inside the upper portion of the tub is arranged the rim C, which consists of a circular piece of metal, of a diameter sufficient to receive the upper portion of the can. This rim is arranged concentrically within the tub, and is provided with two or more extensions, *c*, which terminate in curved flanges *d*, perforated with screw-holes, and attached to the inner sides of the tub by screws, so as to hold the rim rigidly in the center. Inside of this rim revolves the upper portion of the can, which is re-enforced at *e* with an extra thickness of metal, to prevent wearing out the can.

To prevent the can from rising from its step, either from its bouyancy, or from an effort to withdraw the cover D, the rim is slotted at *f*, and the can provided with a lug, *g*, which, in the rotation of the can, moves beneath the rim and holds the can down, but which, when turned beneath the slot *f*, permits the can to be lifted out.

The cover D is made to fit inside the can, as usual, and is provided with a handle of peculiar construction, which consists of a strap of metal, *h*, one end of which is fastened to the cover near the center, and the other end near the circumference, upon which latter end a knob-handle, *i*, is mounted. This compound handle serves a double purpose, the part *i* being used for the rotation of the can, while the part *h* is used for lifting out the can or withdrawing the cover, and at the same time serves to strengthen the attachment of handle *i*.

Referring to the first feature of my invention, I would state that I am aware of the fact that a grooved rim attached directly to the tub has been used in connection with radial arms attached to the can, the ends of which arms work in said grooved rim; but this groove is liable to become obstructed with ice, &c., and the attachment, moreover, of the arms to the can is objectionable. I, therefore, confine myself, with respect to this feature of my invention, to the rim immediately encircling the can, and provided with a slot, *f*, and extensions attached to the tub, whereby an open annular space is left for the insertion or removal of the ice.

Among the advantages of my invention may be mentioned the fact that I preserve the old form of freezer, (without stirrers,) which is desired by many, on account of its simplicity, while I at the same time dispense with leaden weights, heretofore used for holding this form of freezer down, and the can being capable of easy revolution, by reason of the encircling rim and the arrangement of the handle, I am enabled to effect the freezing much more quickly, and with less labor. The device is also of cheap and simple construction, and is not liable to get out of order.

Having thus described my invention, what I claim is—

1. The can B, having lug *g*, in combination with the encircling rim C, having slot *f*, and

attached to the tub through extensions *c* and flanges *d*, substantially as and for the purpose described.

2. The combination, with the cover D, of the compound handle, consisting of strap *h*, attached at one end to the center of the cover, and at the other near the circumference, together with the knob *i*, mounted upon the strap near the circumference, substantially as and for the purpose described.

D. J. ROGERS.

Witnesses:
R. D. HACKLEY,
W. P. CASBY.