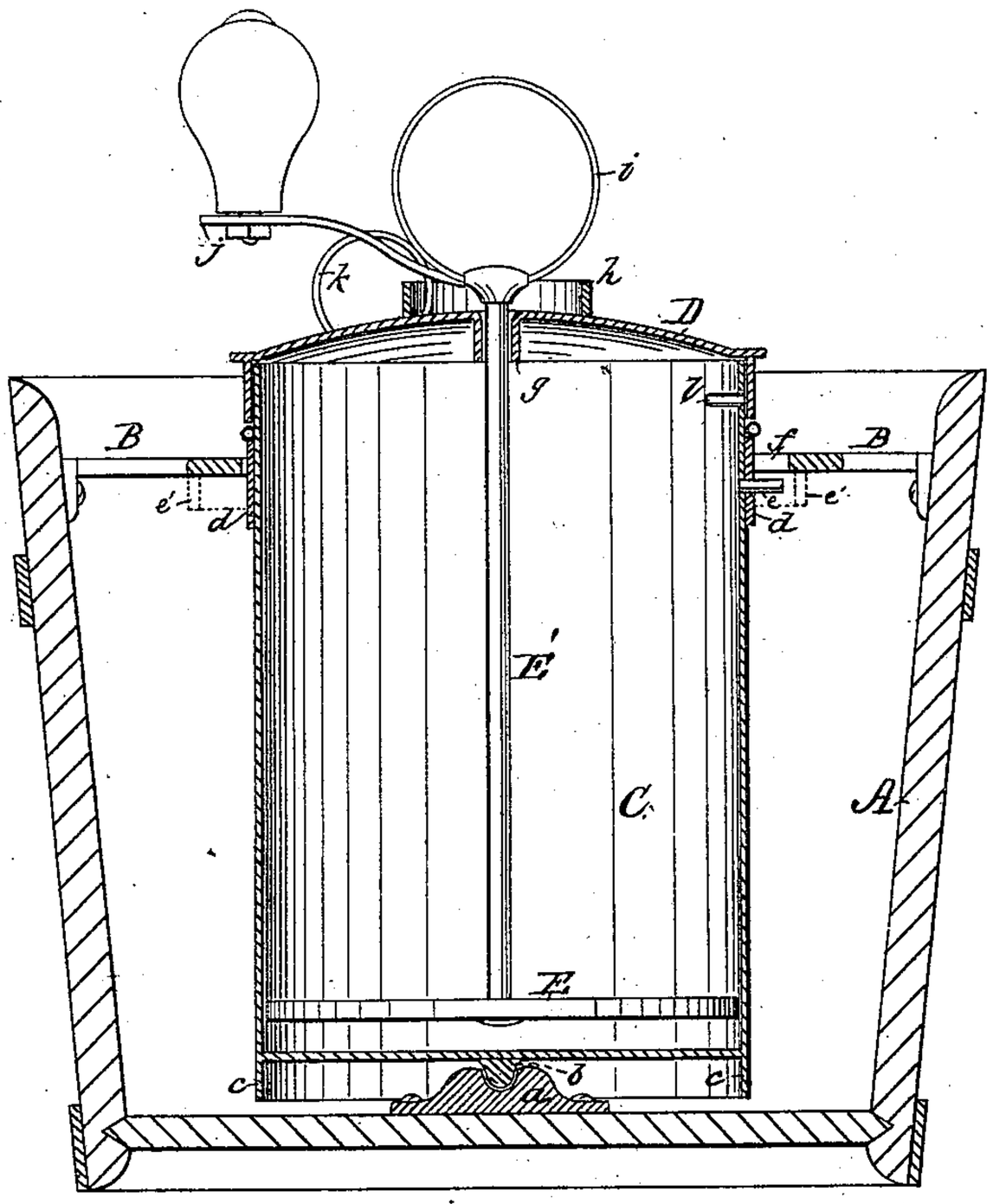
D. J. ROGERS.

Ice-Cream Freezer.

No. 227,058. Patented April 27, 1880.



WITNESSES:

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UNITED STATES PATENT OFFICE.

DAVID JAMES ROGERS, OF BARDSTOWN, KENTUCKY, ASSIGNOR TO CAROTHERS, ROGERS & CO., OF SAME PLACE.

ICE-CREAM FREEZER.

SPECIFICATION forming part of Letters Patent No. 227,058, dated April 27, 1880.

Application filed October 18, 1879.

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 the figure is a vertical section.

My invention relates to an improved ice-cream freezer of that form in which the can containing the cream is rotated upon a central pivot, and is provided with a vertical lifting beater or scraper, which removes the frozen cream from the sides of the can as it freezes thereupon.

The invention consists in constructing the can-cover with an eccentric handle and combining therewith a vertically-sliding dasher, whose shaft is provided above the can-cover with a crank-handle entirely detached from the can, so that the dasher or scraper can be lifted inside the can to scrape the cream from the sides, and yet adapted to rotate the can by striking against the eccentric handle on the cover thereof, as hereinafter fully described.

In the drawing, A represents the tub, which may be an ordinary wooden pail, in the bottom of which is arranged the central socket, *a*, and near the top of which is fixed a circular frame, B, connected by screws to the opposite sides of the tub. C is the can, which has at its lower end a pivotal casting, *b*, fitting in the socket *a*, and a peripheral skirt or flange, *c*, which enables the can to stand upright when out of the tub.

At the upper edge of the can, where it swivels in the frame B, is fastened a copper, tin, or brass band, *d*, which reduces the friction and takes up wear.

To hold the can down in the tub a lug or projection, *e*, is fixed to the can, which is passed through a slot, *f*, in the frame B when the can is inserted, and rests, when the can is revolving, beneath the frame.

As a modification of this feature, I may have upon the can a circular flange instead of lug *e*, and then fasten the frame over the flange by adjustable clamping-screws, connecting the frame with the tub. When, however, the lug *e* is used a flange, *e'*, (shown in dotted lines,) may be formed on the outer edge of the frame, which extends down and incloses the path of the lug, so that it may not be obstructed by the ice.

D is the cover of the can, and E is the beater and scraper. Said cover is provided with a thimble, *g*, at its central hole, where the beater-shaft passes through, and has around the same a raised lip, *h*, to catch the cream, which may be scraped off the beater-shaft in raising it up and down.

Upon the upper side of the cover to the can is attached eccentrically to the same a handle, *k*. Upon the upper end of shaft E' is formed a circular handle, *i*, and a crank-handle, *j*. The handle *i* may be used for simply raising or lowering the scraper, or for hanging the same up, while the crank-handle serves to rotate the can by striking against the eccentric handle *k*, and thus imparting motion to the same. It will thus be seen that the handle *k* has a double function.

The dasher, scraper, or beater E is made in the shape of a circular ring, fitting closely the cross-section of the can, and is attached to its central shaft by arms. This dasher may be made either of metal or wood, or of both. To prevent it from knocking off the cover when lifted a pin or projection, *l*, is fixed to the inside of the can at the top, which limits the upward movement of said dasher.

In using the freezer for freezing the can is rotated by the crank-handle, while for scraping the scraper is moved vertically, and in beating the cream the scraper may have a combined rotary and vertically-reciprocating movement.

By reason of the construction of the dasher and the manner in which it is used the cutting of the cream from the side while freezing is easily effected, and while using it as a

beater to whip and beat the cream it produces that firmness and smoothness in the cream which are so much desired.

Having thus described my invention, what I claim as new is—

The combination, with the rotary can having cover D, with an eccentric handle, *k*, of the vertically-sliding scraper E E′, having above the cover the handles *i* and *j*, the said handle *j* being made in the form of a crank, and adapted to strike in its revolution against the handle *k* on the can, as described.

DAVID JAMES ROGERS.

Witnesses:

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