

(No Model.)

W. ROGERS & T. A. MAHER.

ICE CREAM FREEZER.

No. 278,276.

Patented May 22, 1883.

Fig. 1.

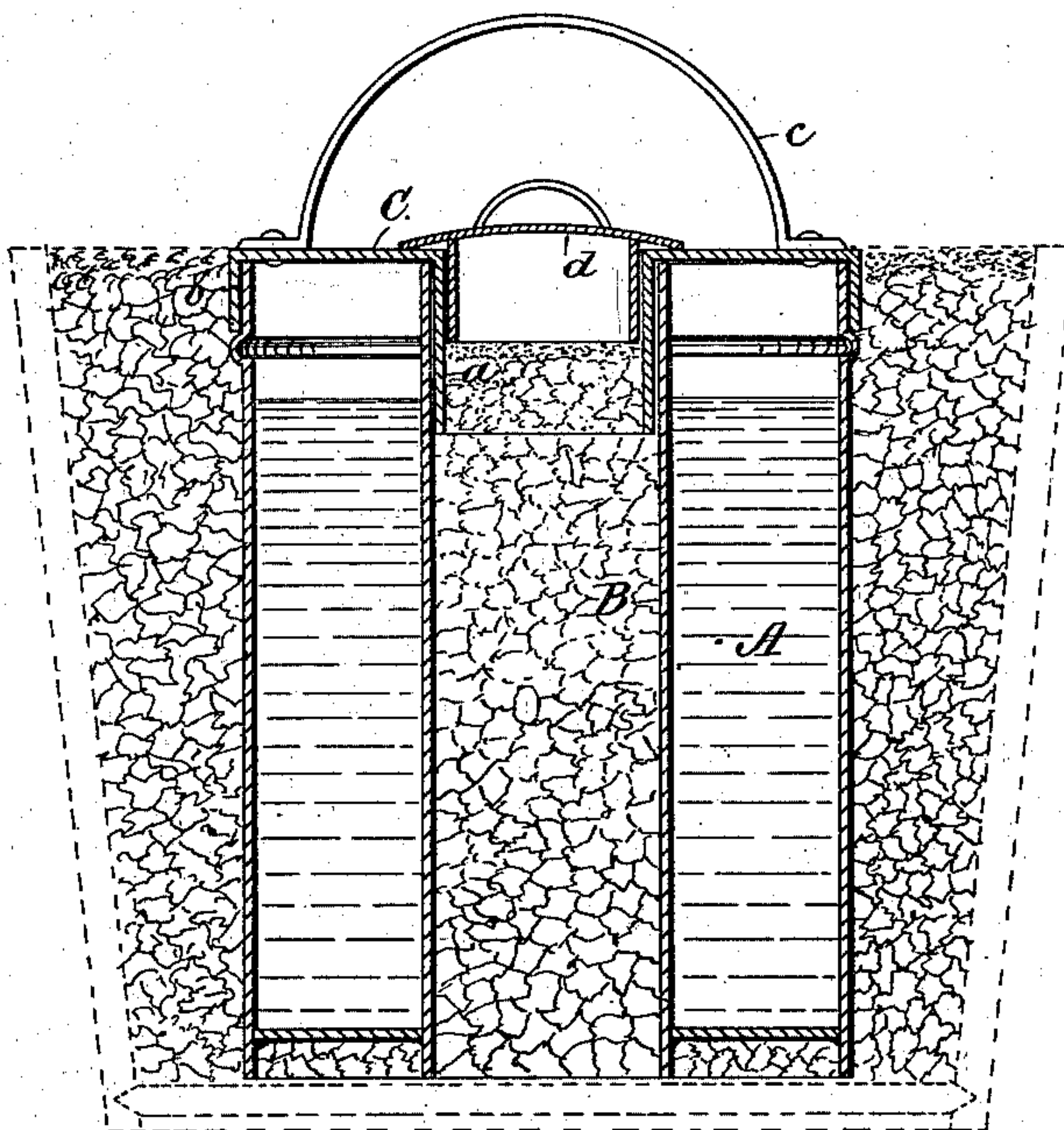


Fig. 2.

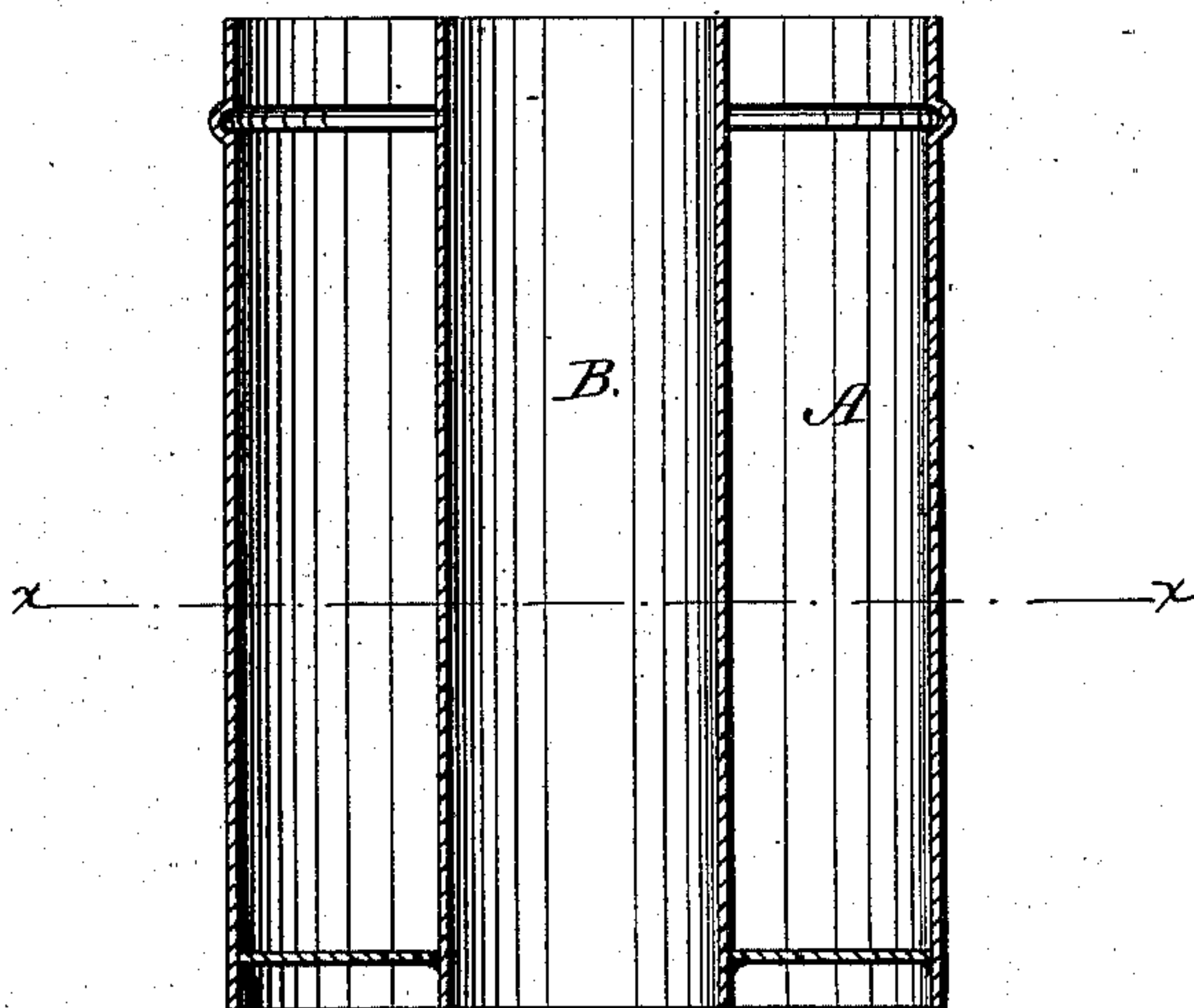
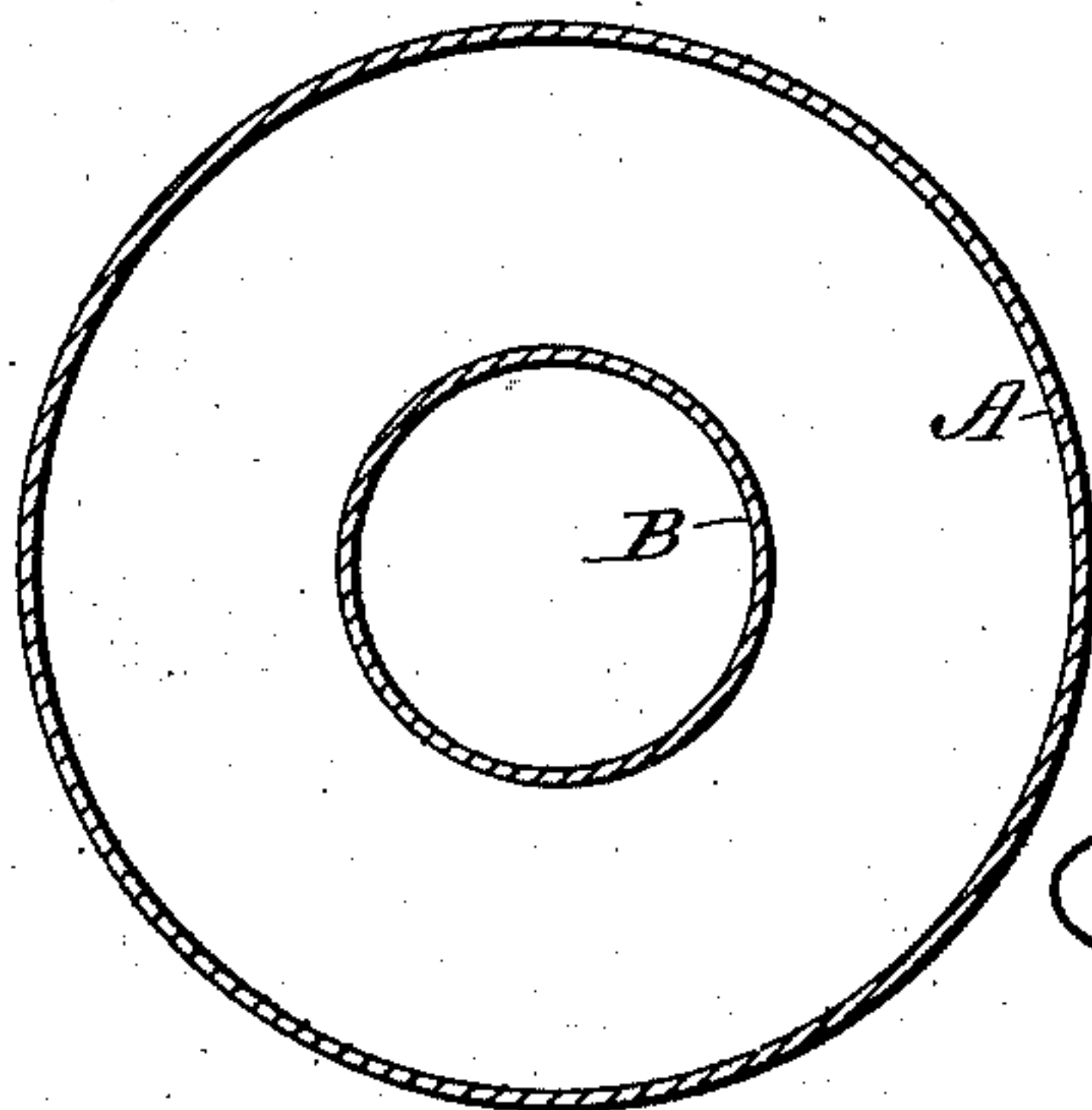


Fig. 3.



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WILLIAM ROGERS AND THOMAS A. MAHER, OF NEW ORLEANS, LA.

ICE-CREAM FREEZER.

SPECIFICATION forming part of Letters Patent No. 278,276, dated May 22, 1883.

Application filed June 5, 1882. Renewed March 26, 1883. (No model.)

To all whom it may concern:

Be it known that we, WILLIAM ROGERS and THOMAS AMEDÉE MAHER, of New Orleans, in the parish of Orleans and State of Louisiana, have invented a new and Improved Ice-Cream Freezer; and we do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a vertical section of the freezer-can, with the position of the tub shown in dotted lines thereabout. Fig. 2 is a vertical section of the can alone, and Fig. 3 is a transverse section of the same.

Our invention relates to an improved ice-cream freezer designed to avoid the old and tiresome method of rotating the can. It is an improvement upon that form of freezer in which the can is made with a central ice-chamber, so that the cream is chilled and frozen from both the exterior and interior of the can.

Our improvement consists in making the internal or central ice-chamber in the can entirely open throughout its full diameter at both ends, so that when the can is raised the ice in this central chamber remains in the tub or bucket; and it consists, also, in forming the annular cover to the can with a flange at its outer periphery and a longer sleeve at its inner periphery, to facilitate the fitting on of the cover, as will be hereinafter more fully described.

In the drawings, A represents the can, which is formed with a central tube, cylinder, or well, B, open at top and bottom, and which gives to the can A an annular cream-chamber. C is the cover, which has a hole in the center of it, with a long sleeve, *a*, about the edge of the same and fitting down into the top of the well or tube B. This cover has also a skirt or flange, *b*, at its outer edge, that fits over the top edge of the can, and is, furthermore, provided with a handle, *c*, for applying or removing the cover. The inner sleeve, *a*, is made considerably longer than the outer skirt or flange, *b*, so that said sleeve may be first fitted into the top of the well or tube B before the flange is forced down on the can, then guiding the cover into proper place, and facilitating the application of the same in making the double joint at the top of the can. This cover C is made with a hole in the mid-

dle of it, so that after it is applied ice and salt may be packed into the well through the said hole without getting any into the cream. After said tube or well is properly charged with ice and salt or other freezing-mixture an independent cover, *d*, is placed over the hole in the main cover C. The can as thus described is to be put in a tub or bucket, as shown in dotted lines, and between it and the exterior of the can ice and salt are packed in the ordinary way, the ice and salt around the can being in open communication at the bottom with the ice and salt in the central well or tube.

With this construction of freezer it will be seen that the cream is chilled and frozen very quickly by the large amount of surface exposed to the freezing-mixture, the cream being acted upon both from the exterior and the interior. This enables us to dispense with the rotary action ordinarily resorted to, for we have found that by simply charging the freezer with ice and salt and placing the cream therein the latter is properly frozen without any labor whatever. By making the central tube open at both ends we are enabled at once to draw off the water from the inside and outside of the freezer-can, and also to repack the well or tube with ice or salt without disturbing the cream; and, furthermore, by having the central chamber of the can entirely open throughout its full diameter, in contradistinction to being perforated, the can may be lifted out of the tub without withdrawing the ice in said central chamber.

Having thus described our invention, what we claim as new is—

1. An ice-cream-freezer can having a central ice-chamber entirely open throughout its full diameter at both its ends, as and for the purpose described.

2. An ice-cream-freezer can having a central well, tube, or cylinder open at both ends, in combination with a cover, C, having a hole in its center, with an elongated sleeve, *a*, about the same, and a flange, *b*, at its outer edge, and the supplemental cover *d*, substantially as shown and described.

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Witnesses:

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