

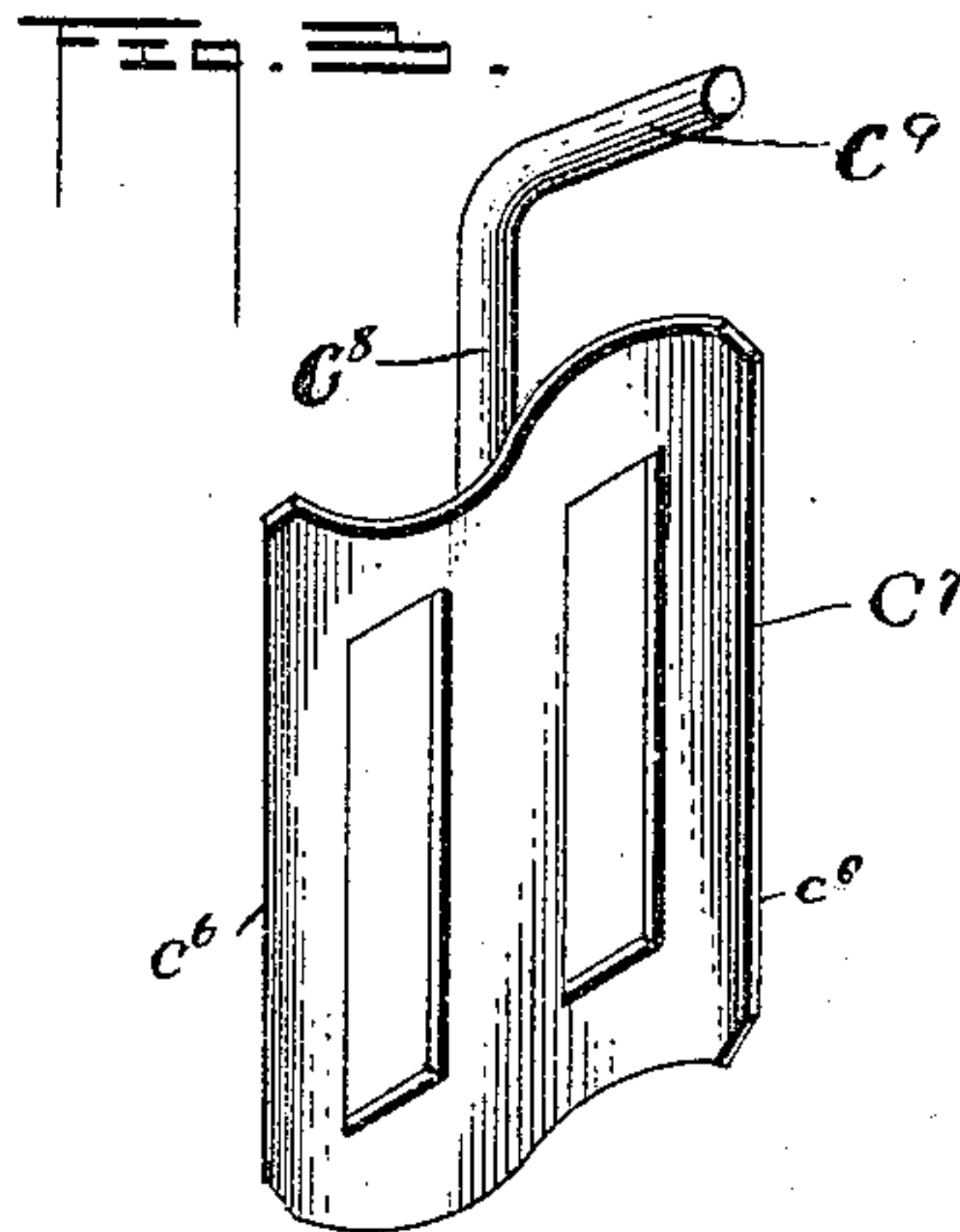
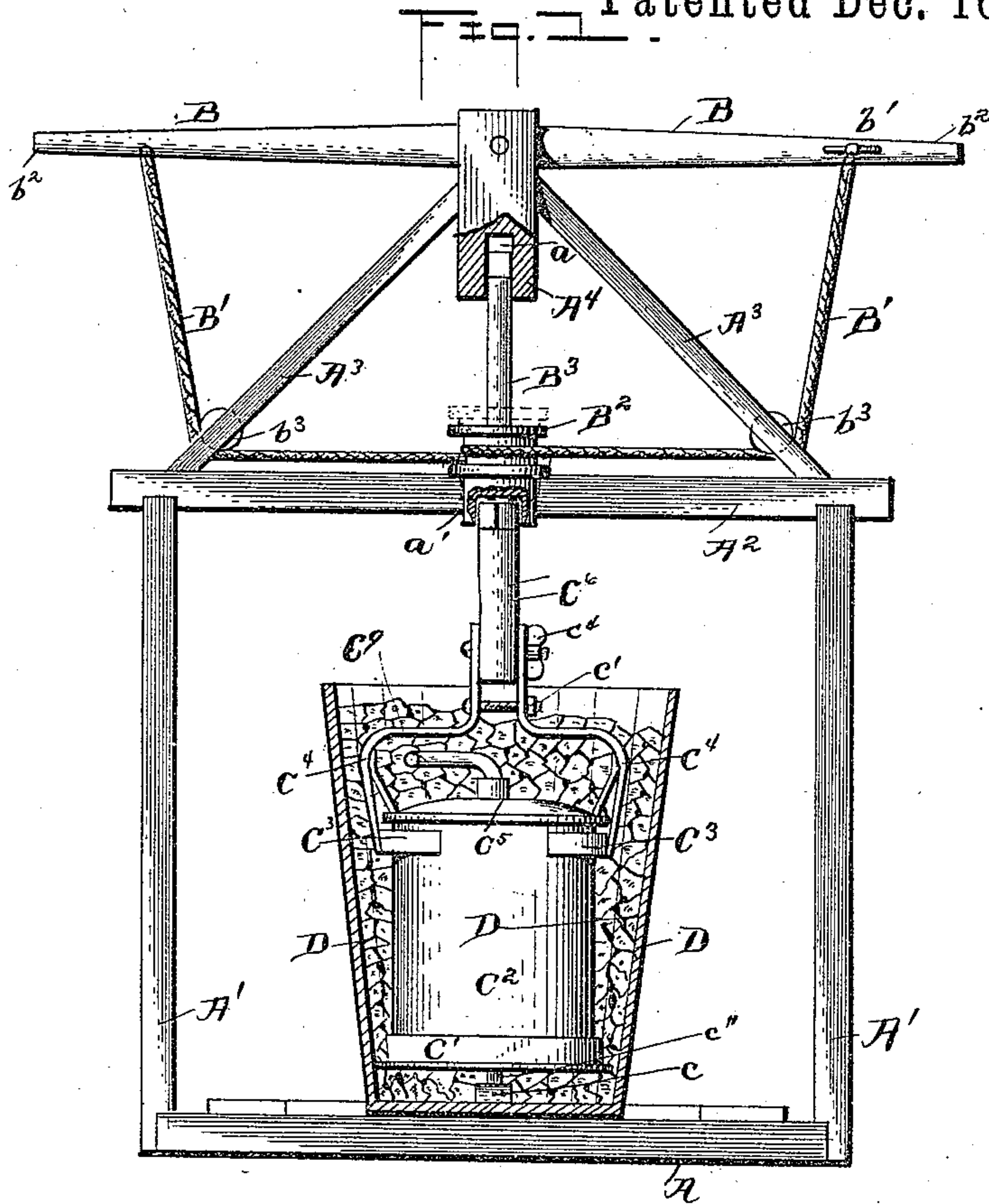
(No Model.)

2 Sheets—Sheet 1.

F. C. WILSEY.
ICE CREAM FREEZER.

No. 442,742.

Patented Dec. 16, 1890



WITNESSES:

W. E. Augustine
R. H. Bishop

INVENTOR

Frank C. Wilsey
BY *J. B. Lawyer*
ATTORNEY.

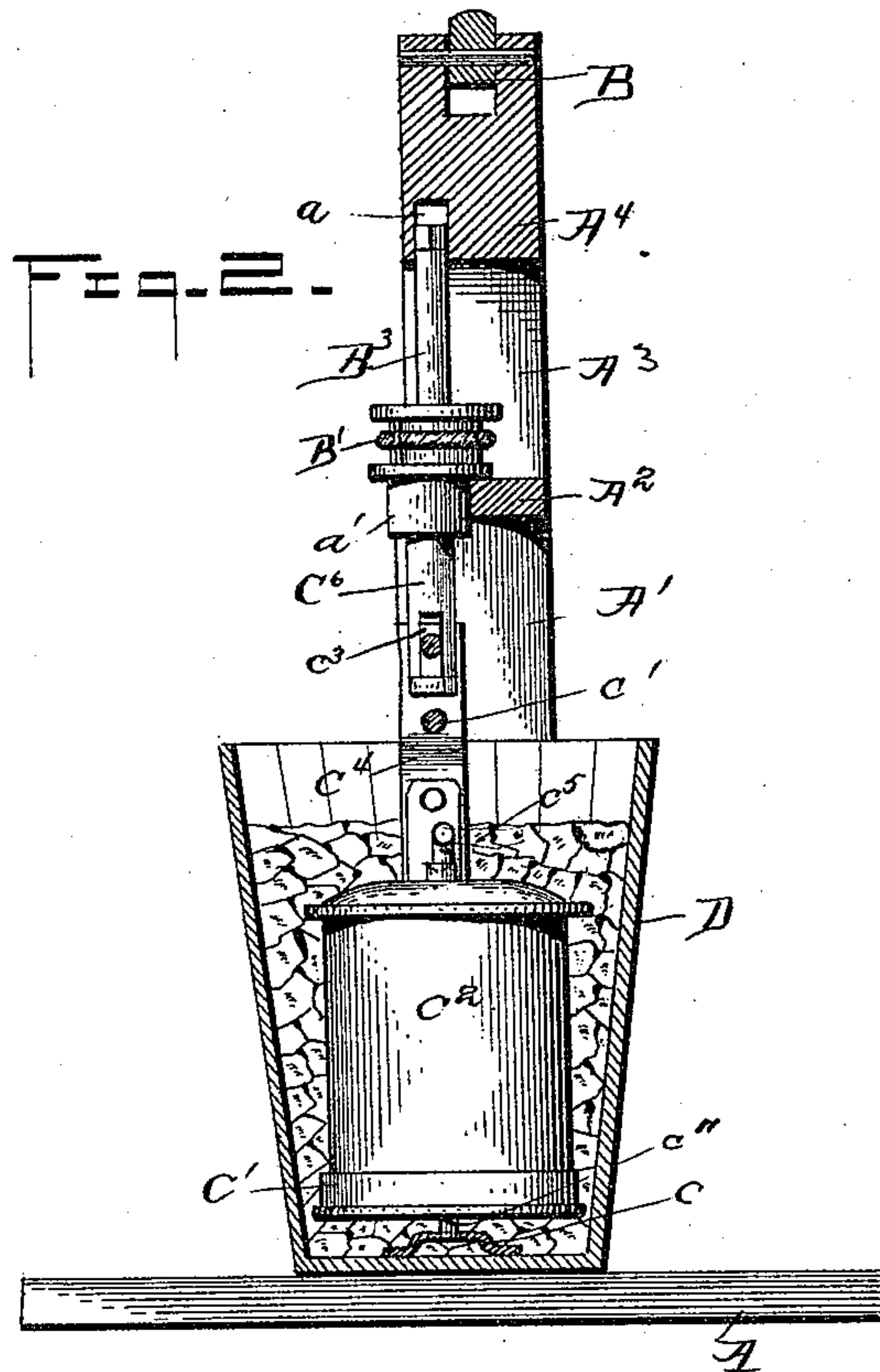
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UNITED STATES PATENT OFFICE.

FRANK. C. WILSEY, OF BENTONVILLE, ARKANSAS.

ICE-CREAM FREEZER.

SPECIFICATION forming part of Letters Patent No. 442,742, dated December 16, 1890.

Application filed September 5, 1890. Serial No. 363,996. (No model.)

To all whom it may concern:

Be it known that I, FRANK. C. WILSEY, a citizen of the United States, residing at Bentonville, in the county of Benton and State of Arkansas, have invented certain new and useful Improvements in Ice-Cream Freezers; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to certain new and useful improvements in ice-cream freezers; and it consists in the construction, combination, and arrangement of these several parts of which it is composed, as will be hereinafter more fully described and claimed.

Referring to the accompanying drawings, in which corresponding parts are designated by similar letters, Figure 1 is a side elevation of my invention, parts thereof being broken away. Fig. 2 is an end elevation thereof, partly in section. Fig. 3 is a perspective view of the scraper.

The base A has at each end thereof an upright A', which carry the cross-piece A² on their upper ends, the upper ends of the inclined braces A³ (the lower ends of which are over the uprights A') carrying the post A⁴.

The double lever B is pivoted at its center in the upper end of the post A⁴, and has attached to its opposite ends the cord B', the central portion of which passes around the barrel B², carried by the vertical shaft B³, the upper end of which is housed in the recess *a* in the base of the post A⁴, while the lower end is within the notch *a'* in the center of the cross-piece A². One end of the cord B' is secured to the lever B by means of the clamp *b*, which is provided with a thumb-nut *b'*, thereby permitting the cord to be tightened by unscrewing the clamp and pulling the cord therethrough, when the clamp may be again tightened. It will be seen that by rocking the lever B by means of the handles *b²* upon its end the barrel B² will be rotated first in the one direction and then in the other, and it will also be seen that as the cord B passes from the opposite pulleys *b³*,

carried in the braces A³ to the barrel B² in a straight line, that the elasticity of the cord will tend to retain the latter in the position shown in full lines in Fig. 1, although the shaft B³ is so constructed as to be capable of being raised, it then having the position shown in dotted lines in the said figure. The bottom of the shaft B³ has a squared recess *b⁴* therein, which is adapted to receive the heads of the posts of the freezer or dasher, as will be hereinafter described.

The base A has at each end thereof, but within the uprights A', the arc-shaped plates C, between which the vessel D is held, which vessel may be either the outer vessel of the freezer or the churn. In the former case the vessel has a bridge *c* secured upon its bottom, the said bridge having a hole therein, in which rests the stud *c²* upon the cap C', in which rests the inner vessel C² of the freezer. The upper part of the vessel C² is grasped on its sides by the arc-shaped clamps C³ upon the lower end of the forked arms C⁴, which are adapted to be drawn together at their bottom by the screw and nut *c'* passing therethrough below their upper ends, thus holding the vessel C² securely. Cams *c²* are secured to the inner sides of the said arms and are adapted to be rotated, engaging the cover C⁵ of the vessel C², forcing the former securely into its seat. The upper ends of the arms C⁴ are arc-shaped and are upon the opposite sides of the post C⁶, which has a vertical slot C³ therein, through which passes a bolt secured to one of the arms C⁴, a thumb-nut *c⁴*, bearing upon the opposite arm, being provided in order to clamp the said post within the said arms at any desired position, thereby permitting the distance from the stud *c'* to the squared head *c⁵* upon the top of the post C⁶ to be varied, if desired, the said head *c⁵* being adapted to fit within the recess *b⁴* in the shaft B³. A scraper C⁷ is contained within the vessel C², it being of the same width as is the interior diameter of the vessel, and having its scraping-edges bent in opposite directions. A stem C⁸ is secured to the top of the scraper at its center and passes through the cover C⁵, it being bent upon the outside thereof, the crank C⁹ of the said stem C⁸ projecting above the cover to the outside of the vessel C². It will thus be seen that the crank C⁹ will be held the more

or less tightly by the freezing-mixture contained within the vessel C and prevented from moving freely while the vessel C² is being rotated first in the one direction and then in the other by the motion imparted to the barrel B², thus causing the scraping-edges c⁶ on the scraper C⁷ to scrape off the frozen cream from the interior of the vessel C² as it may be formed, keeping the metallic surface thereof clear and causing the contents thereof to freeze the quicker.

It will be seen that the post C⁶ may be readily removed and replaced by lifting the shaft B³ to the position shown in dotted lines in Fig. 1, thus disengaging the head c⁵ and the recess c⁴, it being as readily replaced by putting it in position and permitting the shaft B³ to be drawn into its normal position by the tension of the cord B', or vice versa. It will also be seen that by means of the slot c³ and thumb-nut c⁴ the post C⁶ may be so raised as to cause its head c⁵ to be at a proper height to be engaged by the recess b⁴, irrespective of the size of the vessel C².

The operation of my invention will be readily understood from the foregoing, and therefore needs no further description here.

Having thus described my invention, what I claim is—

1. In an ice-cream freezer, the combination, with an ice-receptacle, of a freezing-vessel contained therein, a scraper within the said vessel, having a handle projecting beyond the outside of the said vessel and adapted to be held by the ice, and means for alternately turning the said vessel in opposite directions, as described.

2. The combination, with a post having a longitudinal slot therein, of bifurcated arms, one upon each side of the said post, a bolt passing through the said slot and holding the said parts adjustably together, arc-shaped clamps upon the base of the said arms, a vessel between the said clamps, a cover on the top of the said vessel, cams upon the said arms bearing upon the said cover, and a scraper within the said vessel, having a crank secured thereto and projecting on the outside of the said vessel, as described.

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

FRANK. C. WILSEY.

Witnesses:

SAMUEL W. HARMAN,
FRANK R. SEITZ.