

W. S. THOMSON & L. H. SCHMITT.

ICE CREAM FREEZER.

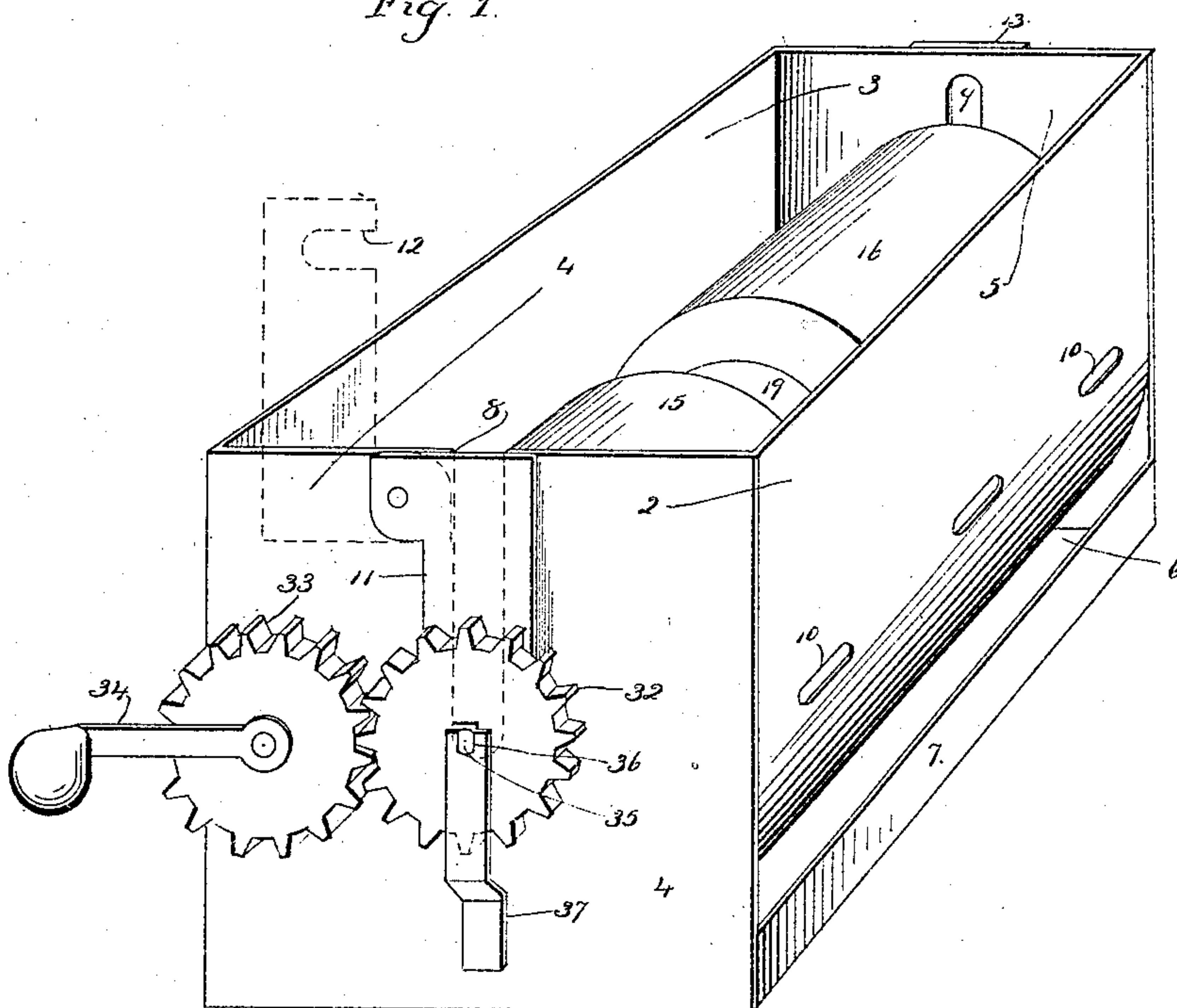
APPLICATION FILED MAY 25, 1908.

936,384.

Patented Oct. 12, 1909.

2 SHEETS—SHEET 1.

Fig. 1.



Witness
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2 SHEETS—SHEET 2.

Fig 2

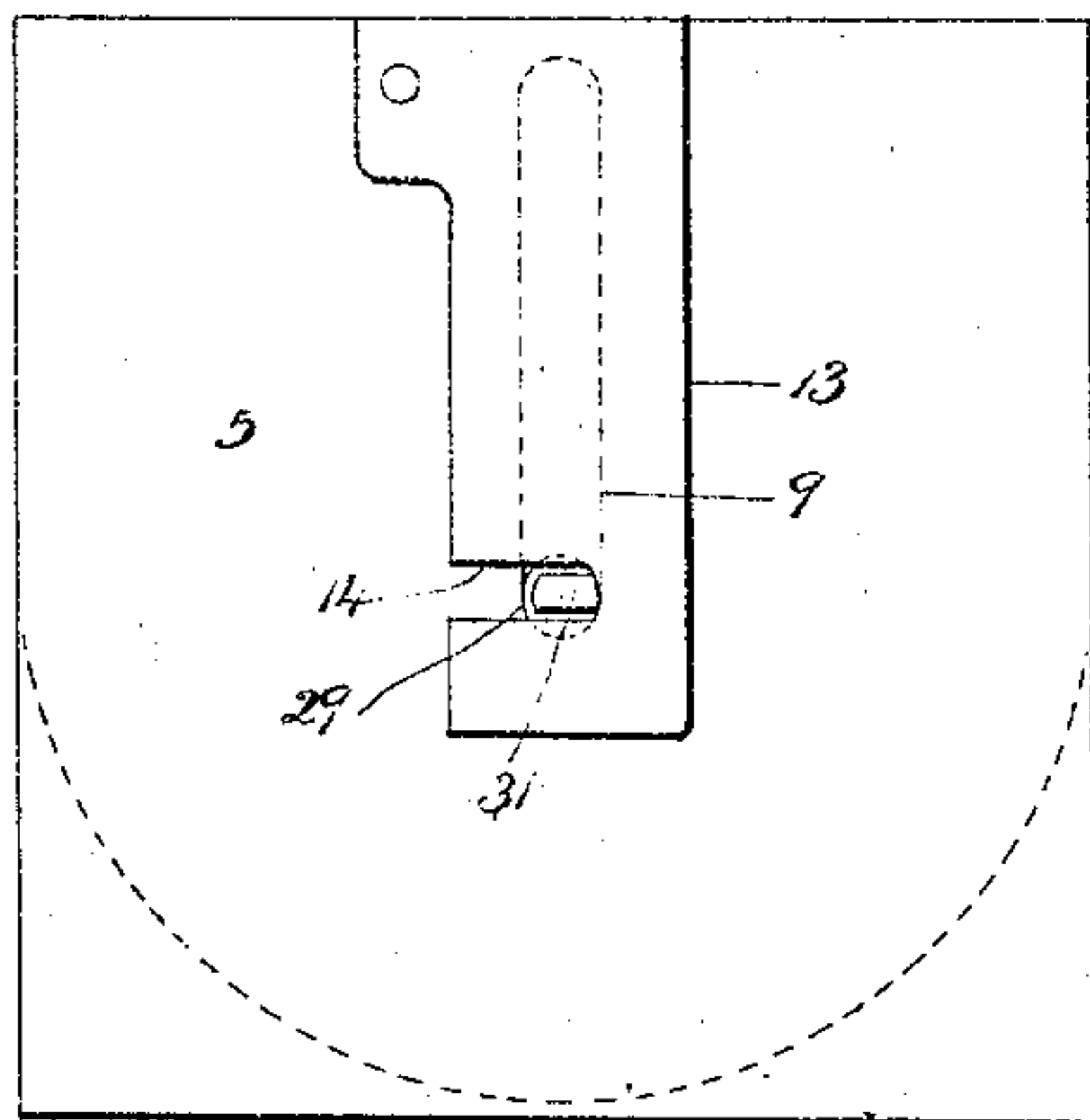


Fig 3

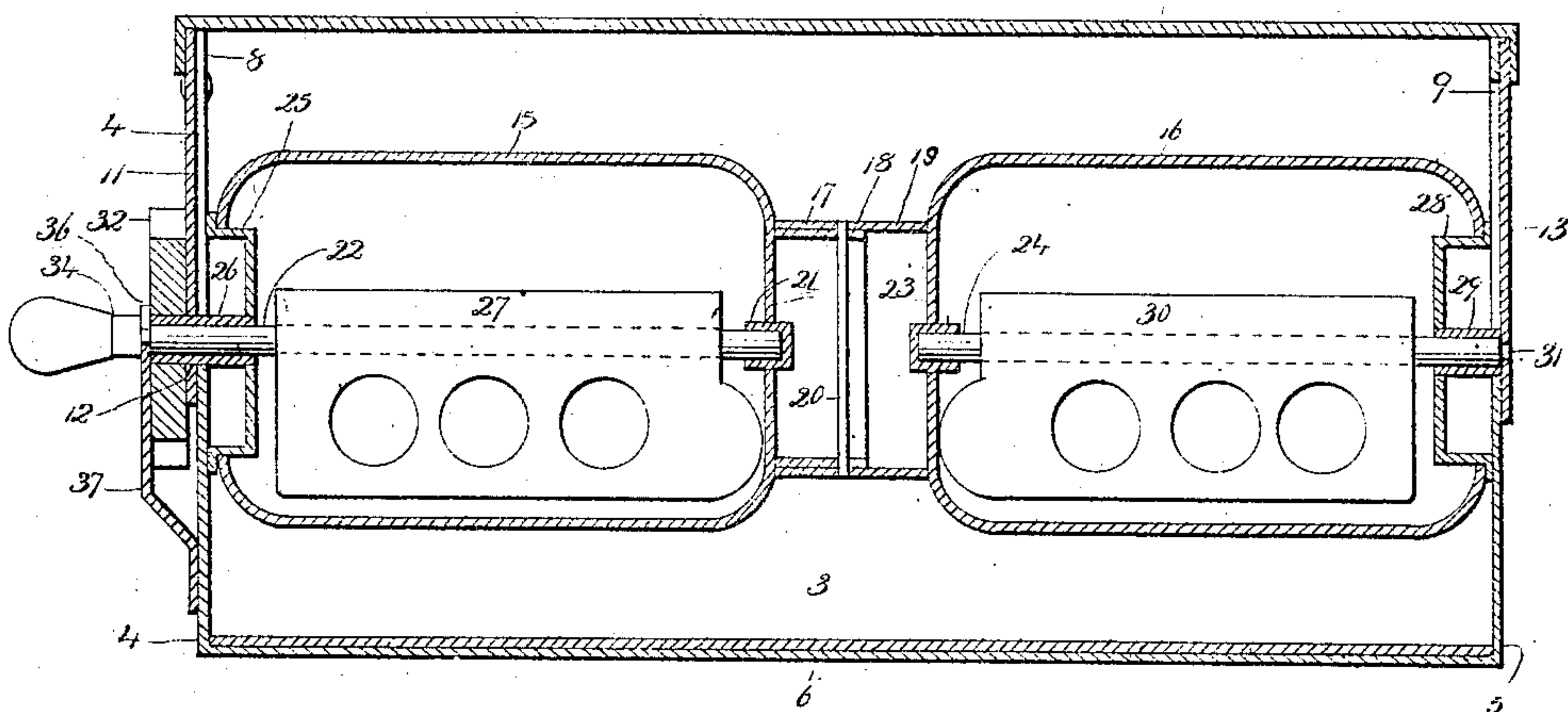


Fig 4

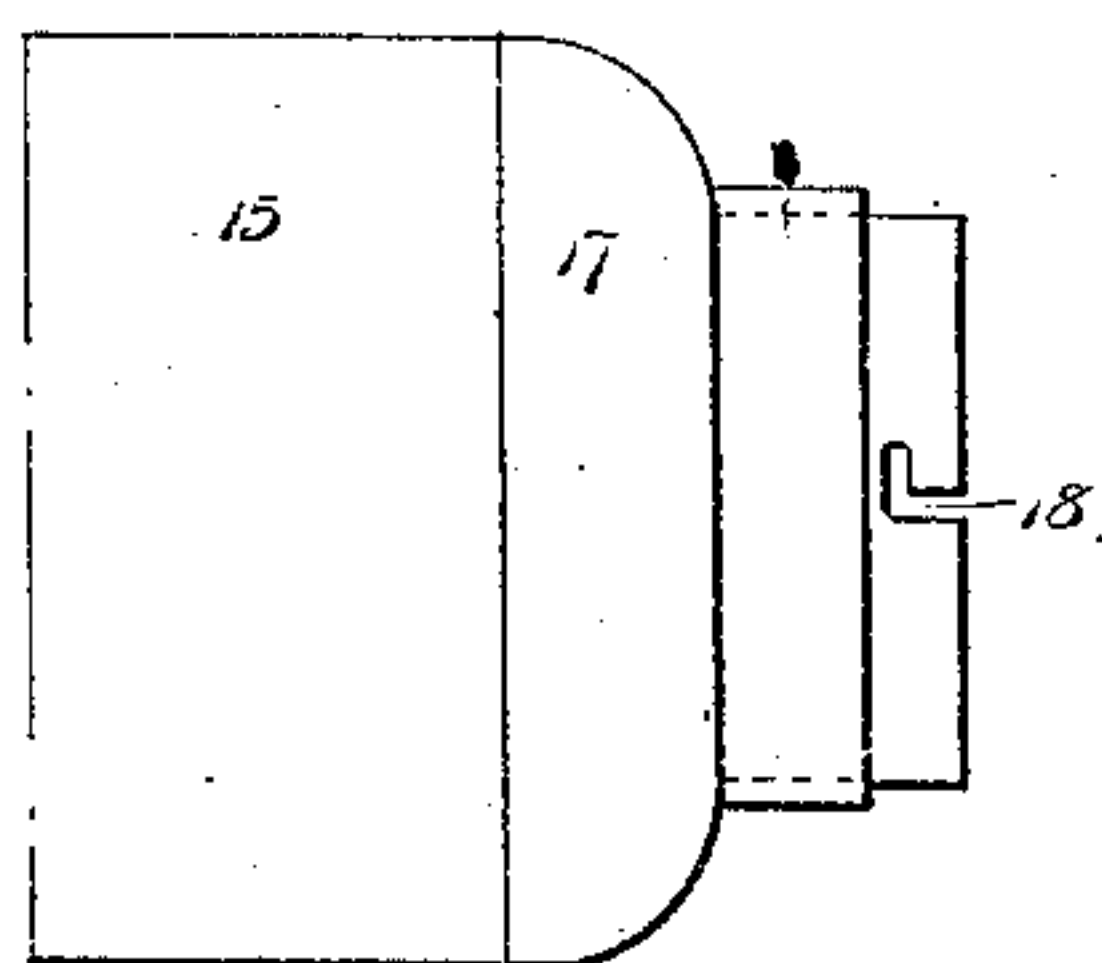
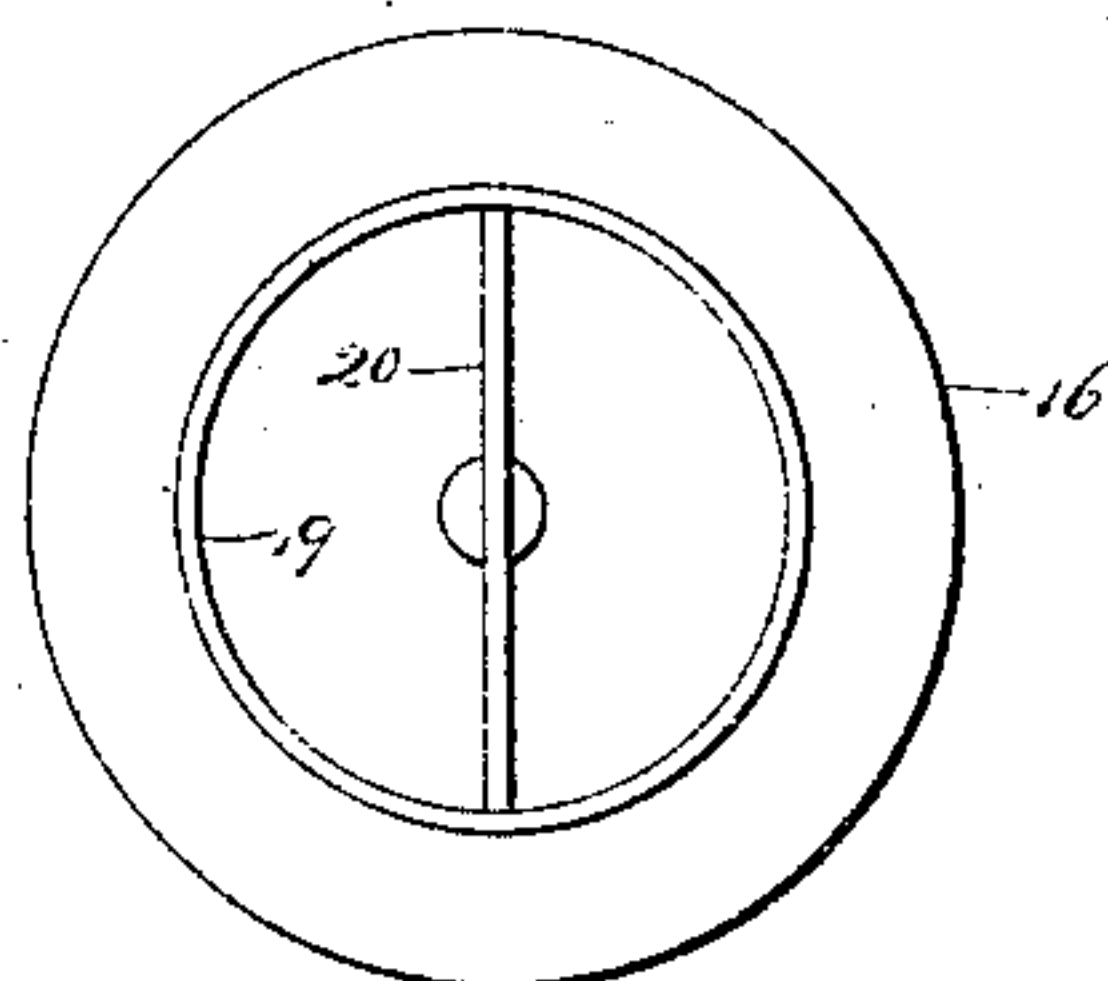


Fig 5



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UNITED STATES PATENT OFFICE.

WILLIAM S. THOMSON AND LOUIS H. SCHMITT, OF PLANTSVILLE, CONNECTICUT.

ICE-CREAM FREEZER.

936,384.

Specification of Letters Patent.

Patented Oct. 12, 1909.

Application filed May 25, 1908. Serial No. 434,941.

To all whom it may concern:

Be it known that we, WILLIAM S. THOMSON and LOUIS H. SCHMITT, citizens of the United States, residing at Plantsville, in the county of Hartford and State of Connecticut, have invented a new and useful Improvement in Ice-Cream Freezers; and we do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1 a perspective view of a freezer constructed in accordance with our invention. Fig. 2 an end view of the rear of the casing. Fig. 3 a vertical longitudinal sectional view. Fig. 4 a side view of one end of one of the cans. Fig. 5 an end view of the other can.

This invention relates to an improvement in ice cream freezers, and while adapted for large sizes, is especially designed for small freezers for domestic use. In the manufacture of ice cream for domestic use it is frequently desirable to make cream of two flavors, the foundation being the same for both, the flavoring being put in just as the cream is ready to be frozen.

The object of this invention is to provide a freezer having two independent chambers or cells which are connected and adapted to be turned by a single crank; and the invention consists in the construction and arrangement of parts as will be hereinafter described and particularly recited in the claims.

In carrying out our invention as herein shown, the ice case or tub is of box-like character comprising sides 2, 3, formed from a single piece of metal bent into U-shape and secured to ends 4, 5 which are connected to a bottom 6, and at the bottom the ends 4, 5, are also connected by guard strips or flanges 7, forming a drip pan. In the end 4 is a deep notch 8 and in the end 5 is a slot 9, while in the sides are one or more longitudinal slots 10 in a plane slightly below the bottom of the notch 8 and slot 9. Pivoted to the end 4 is a latch 11 having a bearing notch 12, and secured to the outer face of the end 5 is a latch 13 having a locking notch 14. The cans or containers 15 and 16 are cylindrical, with rounding ends so as to

avoid corners which tend not only to the more ready removal of the contents, but permits the cans to be more perfectly cleaned.

At the inner end, the can 15 is provided with a collar 17 having a locking notch 18, while the can 16 has a collar 19 into the edge of which the collar 17 extends, the collar 19 carrying a transverse rod 20 with which the locking notch 18 is adapted to engage for coupling the cans together. In the bottom end of the can 15 is a socket 21 to receive the end of the spindle 22, while the can 16 has a socket 23 to receive the inner end of the spindle 24. The can 15 is closed by a cap 25 having a centrally arranged sleeve 26 which enters the notch 8 in the end 4, this sleeve being of a size to closely fit the outer end of the spindle 22 which carries a blade or dasher 27.

The mouth of the can 16 is closed by a cap 28 like the cap 25, and having a sleeve 29 which is of sufficient length to enter the slot 9 in the bottom of which it rests, and through which sleeve the spindle 24 extends, this spindle carrying a blade or dasher 30, and at its outer end has a square projection 31 with which the locking notch 14 of the latch 13 engages whereby the spindle is held against rotation. Secured to the sleeve 26 of the cap 25 is a pinion 32 which meshes with a pinion 33 mounted on the outer face of the end 4 and adapted to be turned by the crank 34. The end of the spindle 22 extends beyond the pinion 32 and has a square end 35 which enters a notch 36 in a bracket 37 secured to the outer face of the end 4, and when the parts are in place the sleeve 26 is supported by the bearing notch 12 of the latch 11. It will thus be seen that the spindles 22 and 24 are held against rotation, and when the parts are assembled as described, turning the handle 34 will turn the pinion 32, and as this is fixed to the sleeve 26 of the cap 25 it follows that the cans which are coupled together at their inner ends, will both be revolved, the dashers 27 and 30 being fixed to their respective spindles remaining stationary. These cans after the cream has been placed in them, are located in the casing and the casing packed with ice in the usual manner of ice cream freezers. The melted ice as it accumulates, will escape through the slots 10 into the drip pan formed by the bottom 6 and guard strips or flanges 7.

By providing independent spindles and connecting the cans together inner end to in-

ner end, the cans are closed at their inner ends and consequently leakage at this point is avoided.

Applicants' cans are independent cans in one sense, but are coupled together and interlocked so that turning one can drives the other can, the spindles being held stationary.

We claim:—

1. In an ice cream freezer, the combination with a case or container, of two cans arranged therein and coupled together at their inner ends, a dasher in each can, and means for holding said dashers in a stationary position, and means coupled with one of the cans for revolving the two cans simultaneously.

2. An ice cream freezer comprising a casing, two cans arranged inner end to inner

end and adapted to have their said inner ends interlocked, an independent spindle in each can, means for holding the spindles against rotation, a dasher secured to each spindle, caps to close the outer ends of said cans, a pinion coupled with one of said caps, and means for turning said pinion whereby both cans are turned, substantially as described.

In testimony whereof, we have signed this specification in the presence of two subscribing witnesses.

WILLIAM S. THOMSON.
LOUIS H. SCHMITT.

Witnesses:

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