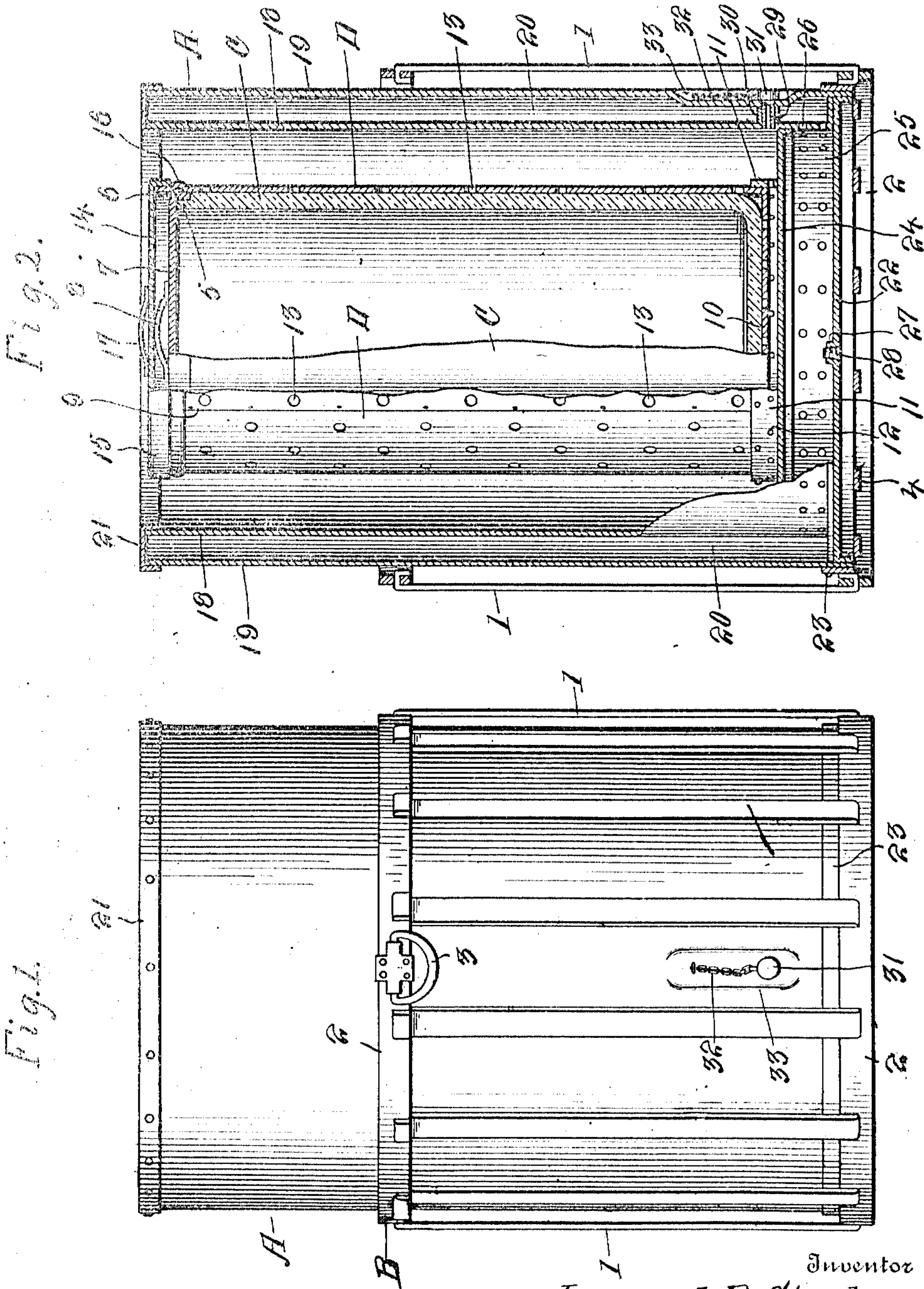


L. R. STEEL.  
ICE CREAM RECEPTACLE.  
APPLICATION FILED APR. 19, 1910.

980,077.

Patented Apr. 18, 1911.



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# UNITED STATES PATENT OFFICE.

LEONARD R. STEEL, OF CLEVELAND, OHIO.

## ICE-CREAM RECEPTACLE.

990,077.

Specification of Letters Patent.

Patented Apr. 18, 1911.

Application filed April 19, 1910. Serial No. 556,322.

*To all whom it may concern:*

Be it known that I, LEONARD R. STEEL, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented new and useful Improvements in Ice-Cream Receptacles, of which the following is a specification.

This invention relates to a container in which ice cream and the like can be stored for shipment from the manufacturer to the consumer or while it is being sold by the retailer.

The invention has for one of its objects to provide an extremely simple, inexpensive, and practical device of this character which requires a minimum quantity of ice to keep the ice cream hard by reason of the casing of the container being provided with a vacuum chamber completely surrounding the can. Another object of the invention is to improve and simplify the construction of the various parts of the ice cream can so that the same can be readily kept in a sanitary condition, since the parts are easily and quickly assembled and disassembled.

With these objects in view, and others, as will appear as the description proceeds, the invention comprises the various novel features of construction and arrangement of parts which will be more fully described hereinafter and set forth with particularity in the claim appended hereto.

In the accompanying drawing, which illustrates one embodiment of the invention:—Figure 1 is an elevational view of the ice cream can shown complete for shipment. Fig. 2 is a central vertical section thereof, with portions in elevation.

Similar reference characters are employed to designate corresponding parts throughout the several views.

Referring to the drawing, A designates the casing of the device which is set into a protective crate B which may be of any approved construction and preferably made of metal slats 1 and bands 2, the crate having carrying handles 3 on the top band, and also having bottom slats 4 for holding the casing in the crate. Within the casing, which may be cylindrical, square, or any other approved shape, is a correspondingly shaped ice cream holder or vessel C, made of glass, stone, china, or the like. This holder is reduced at its upper end to form a shoulder 5 on which rests the flange 6 of a metal cover 7, which has a handle 8. Surrounding the

holder C is a metal protective cover or jacket D which is made of a sheet of metal, formed into a hollow structure with the ends of the sheet riveted together at the joint 9. Disposed in the bottom of the jacket D is a perforated bottom plate 10 on which the holder or can C rests. Extending around the jacket is a reinforcing metallic band 11, which raises the bottom plate a suitable distance to permit brine and water to enter under the same, the band having perforations 12 through which the brine passes. The body of the jacket has numerous perforations through which the brine comes into immediate contact with the holder C and thus insures quick results in freezing. The jacket has a cover 14 that is provided with a flange 15 that fits around the top of the jacket and rests on a shoulder 16 extending around the latter, said cover having a handle 17. The jacket is of a less diameter than the internal diameter of the casing A so that a surrounding ice and brine space will be provided.

The casing A consists of inner and outer shells 18 and 19 which are spaced apart to form a dead-air space or vacuum space 20, which serves to prevent as much as possible the passage of heat to the ice and brine. The chamber 20 is closed at the top of the casing by a ring 21 and the chambers close at the bottom by a bottom plate 22. Surrounding the outer shell at the bottom is a reinforcing band 23 that protects the casing from injury. The casing is formed with a false bottom 24 spaced above the bottom plate 22 to form a vacuum chamber 25 which communicates with the vacuum chamber 20 through numerous perforations 26 in that portion of the inner shell disposed below the false bottom 24. In the bottom plate 22 is a nipple 27 that can be connected with an exhaust pump for removing air from the chambers 20 and 25, and when exhausted, the nipple is closed by a cap or plug 28 which is soldered in place, and after being once exhausted, the case can be used indefinitely as a non-conductor of heat. To permit the brine to be drained out of the ice space, a short drain pipe 29 extends through both shells of the casing adjacent the false bottom, and in order to provide an air-tight joint around this pipe, a short tube 30 is soldered to the shell of the casing to permit the pipe to pass therethrough. The outer end of the pipe is threaded to re-



ceive a cap stopper 31 that is secured to a chain 32 fastened on the outer shell of the casing, said casing being depressed or countersunk at 33 allow the cap and chain to  
5 set into the casing and be flush with the exterior thereof, so that the casing can be placed into or removed from the crate B without the cap and chain forming an obstruction.

10 In using the ice cream receptacle, the ice cream is packed in the holder C and then closed by the cover 7, the cover 14 of the jacket is then inserted, and the space surrounding the jacket filled with ice and salt.  
15 This ice, salt, and brine will thus completely surround the ice cream holder and the loss of cold will be prevented by the vacuum containing casing.

What I claim as new and desire to secure by Letters Patent is:—

A container of the class described including a holder, a sheet metal protective jacket surrounding the holder and provided with closely arranged perforations, a reinforcing band surrounding the bottom of the jacket  
25 and having perforations, the bottom of the jacket being set inwardly from the bottom edge of the band to permit brine to enter under the bottom of the jacket, a cover for the holder, and a cover for the jacket. 30

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

LEONARD R. STEEL.

Witnesses:

CHARLES S. CLARK,  
THOMAS F. BROOM.