

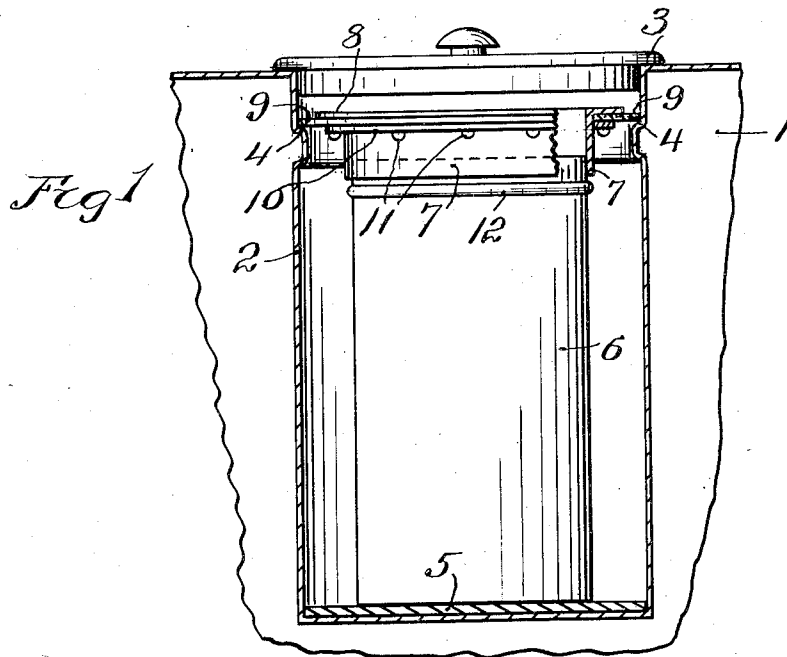
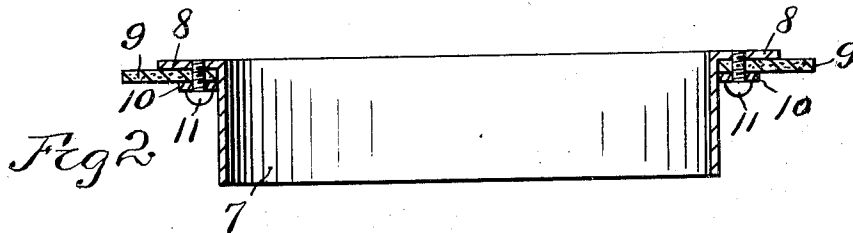
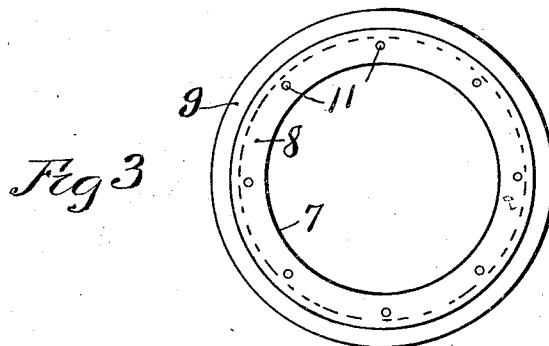
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G. V. HAMMACK

2,016,675

REFRIGERATING CABINET

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Witness
H. Vernon Olson

INVENTOR
George V. Hammack
BY Warren R. House
His ATTORNEY

UNITED STATES PATENT OFFICE

2,016,675

REFRIGERATING CABINET

George V. Hammack, Kansas City, Mo., assignor
of one-half to Joe C. Shryock, Odessa, Mo.

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4 Claims. (Cl. 220—85)

My invention relates to improvements in refrigerating cabinets, particularly of the type adapted for holding and keeping cool ice cream cans and the like from which the contents are to be served to the trade from time to time.

One of the objects of my invention is the provision of novel means for excluding the outside air from entrance between an ice cream can and its container in the cabinet, when the cover to the container is removed for access to the contents of the can, and for the prevention of ice cream falling in between the can and its container, and for holding the can from lateral shifting in the container, when the contents are being dug out of the can.

My invention provides a novel extension collar adapted for being telescopically fitted to the upper end of an ice cream can held in a container in a cabinet, the collar being adapted for removable mounting in the container, and having an annular peripheral flange which extends to the inner periphery of the container, thereby excluding air and contents of the can entering between the can and its container and holding the can from lateral shifting.

The novel features of my invention are herein-after fully described and claimed.

In the accompanying drawing, which illustrates the preferred embodiment of my invention,

Fig. 1 is a side elevation of my improved extension collar shown fitted on the upper end of an ice cream can and upon the annular shoulder of the container holding the can, the container and a portion of the cabinet being shown in vertical section, a portion of the collar being broken away.

Fig. 2 is an enlarged central vertical sectional view of my improved extension collar.

Fig. 3 is a plan view of the same.

Similar characters of reference designate similar parts in the different views.

1 designates part of the body of a refrigerating cabinet provided with the usual ice cream container 2 having a removable cover 3 and provided in its inner periphery near its upper end with an annular peripheral shoulder 4.

5 designates a circular plate on which is adapted to be mounted an ice cream can 6 of usual type the side walls of which are spaced from the inner periphery of the container 2.

To hold the can 6 in place and to prevent outside air and ice cream out of the can from passing into the space between the can 6 and the container 2, I provide a collar 7 which is adapted to be removably telescopically fitted on the upper

end of the ice cream can 6, preferably, as shown, on the outer side thereof.

Said collar 7 may have its cylindrical body portion made of suitable material such as stainless steel, aluminum or other suitable metal.

The extension collar is provided with an annular peripheral flange portion, including a metal part 8 and a flexible, preferably resilient, ring 9, as of soft rubber, which is held clamped between the flange portion 8 and a metal ring 10 by screws 11.

The resilient ring 9 projects outwardly beyond the flange portion 8 and the ring 10, and is adapted to have its under side bear upon the shoulder 4 and its peripheral edge to fit the inner periphery of the container 2.

When a filled can is to be placed in the container 2, the cover 3 thereof, the collar 7 and the empty can 6 are removed from the container 2.

The filled can 6 is then placed in the container after which the collar 7 is fitted over its upper end of the can 6 with the rubber ring 9 resting on the shoulder 4.

By providing the collar 7 with the resilient ring 9, the device adapts itself to variations and inequalities in the inner peripheries of containers, and makes a close seal at the periphery of the resilient ring. In utilizing a resilient sealing ring 9 of heat insulating material, such as soft rubber, to make the joint between the ice can 6 and the collar 7, the collar is not liable to become frozen to the can, as often occurs with the use of metal in contact with metal, and if such freezing occurs, the soft rubber ring can be readily freed from the can without denting or permanent bending.

By wholly supporting the collar on the shoulder 4 of the container 2, and independently of the can 6, the collar may be freely slidable on without tightly engaging the can, so as to be adapted for use with cans having no peripheral shoulders, and so as to be easily removed therefrom.

By having the cylindrical part 7 of the collar extending above the upper end of the can 6, the holding capacity of the portion 7 is added to that of the can, and, by having the portion 7 of metal, the contents thereof are held out of contact with the rubber ring 9. Also the locating of the rubber ring 9 below the flange 8 prevents ice cream which falls on the flange from contact with the rubber ring 9.

Any ice cream or other material that is dropped outside the ice cream can, during the dipping out of the material, will fall upon the peripheral flange portion of the collar 7 and can be brushed

back into the can, without permitting any of it to fall between the can and the container 2. The outside air will also be prevented from entering between the can and the container, when the cover 3 is removed.

As shown in Fig. 1, most ice cream cans are provided below their upper ends with an annular peripheral shoulder 12. The collar 7 is made of such length that, when the rubber ring is resting on the shoulder 4, the lower end of the collar 7 will be above the shoulder 12.

I do not limit my invention to the structure shown and described, as modifications, within the scope of the appended claims, may be made without departing from the spirit of my invention.

What I claim is:—

1. In a refrigerating cabinet, the combination with a can container having an open upper end, and an ice cream can mounted in and spaced from the inner periphery of said container and removable therefrom through the upper end thereof, of a collar having telescopic removable connection with and removable over the upper end of said ice cream can and removably fitted in said container and having an annular peripheral flange which includes a flexible ring of heat insulating material the peripheral portion of which engages and is wholly supported by the inner periphery of said container.

2. In a refrigerating cabinet, the combination with a can container having an inner annular peripheral shoulder, and an ice cream can mounted in and spaced from the inner periphery of said container and removable therefrom through

the upper end thereof, of a collar removably mounted in said container and having removable telescopic connection with and removable over the upper end of said ice cream can, and having an annular peripheral flange which includes a flexible ring of heat insulating material which extends over and is removably mounted on and is wholly supported by said shoulder.

3. In a refrigerating cabinet, the combination with a can container having an open upper end and an inner peripheral shoulder, and an ice cream can in and spaced from the inner periphery of said container, and removable through said upper end, of a collar having a cylindrical metal portion having free telescopic engagement with, without pressing against, the can, and removable over the upper end of the can, said collar having a flexible ring of heat insulating material carried by said cylindrical portion at the outer side thereof and supporting said cylindrical portion and wholly supported by said shoulder.

4. In a refrigerating cabinet including a can container and a can in and spaced from the inner periphery of said container and removable through the open upper end of said container, a metal collar adapted for telescopic engagement with said can and having an outwardly extending annular peripheral flange and removable over the upper edge of said can, and a flexible ring of heat insulating material encircling said collar and fastened to the under side of and projecting outwardly beyond said flange and adapted to press against the inner periphery of said container.

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