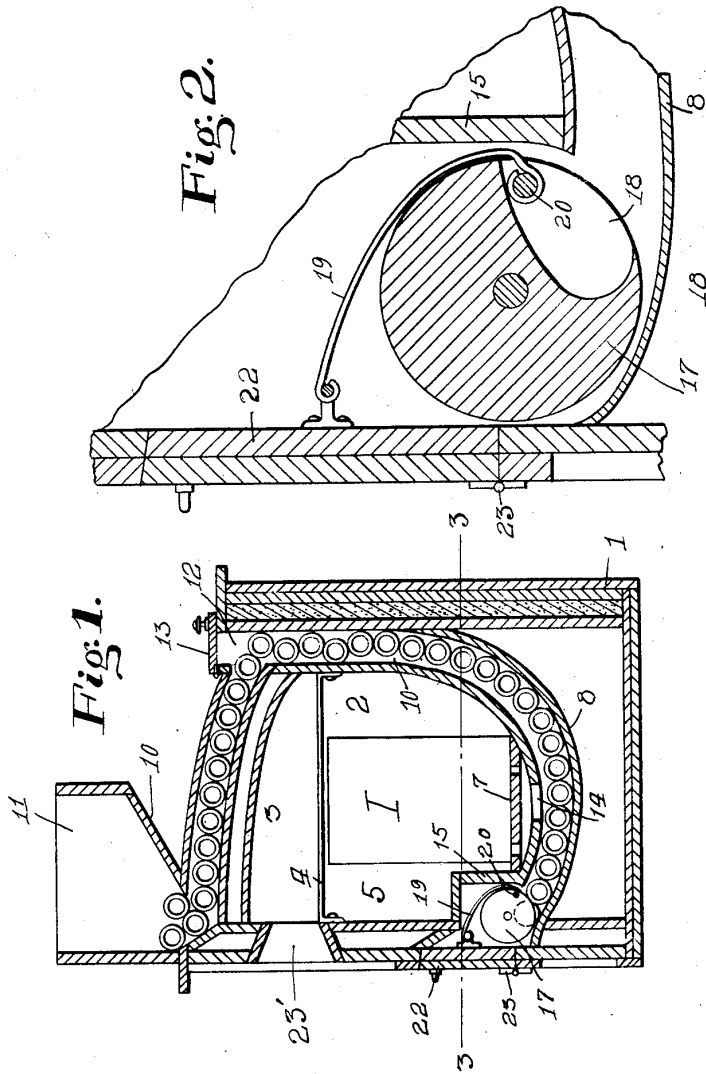


L. J. JONES.
 REFRIGERATOR.
 APPLICATION FILED DEC. 10, 1919.

1,369,440.

Patented Feb. 22, 1921.
 2 SHEETS—SHEET 1.



Witness

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Inventor
L. J. Jones.

By *C. A. Snow & Co.*
 Attorneys

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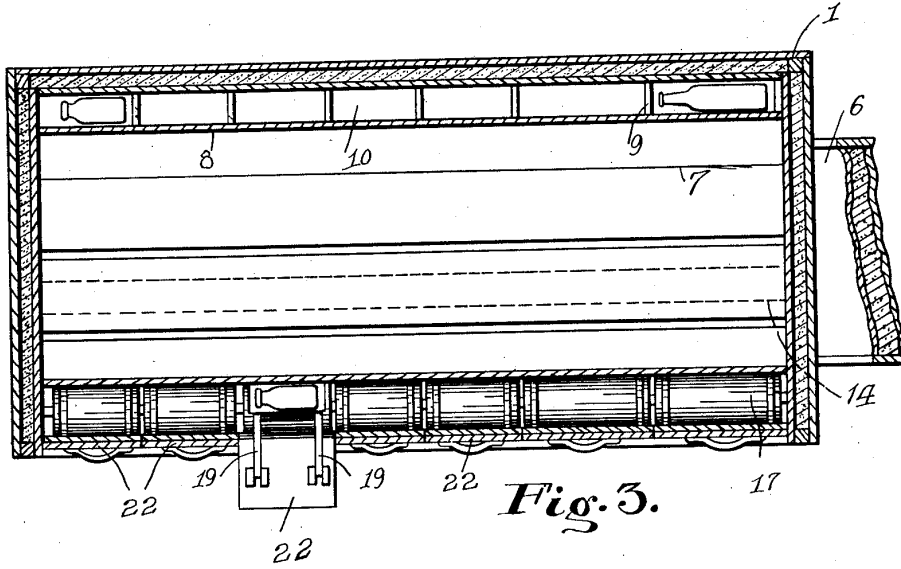


Fig. 3.

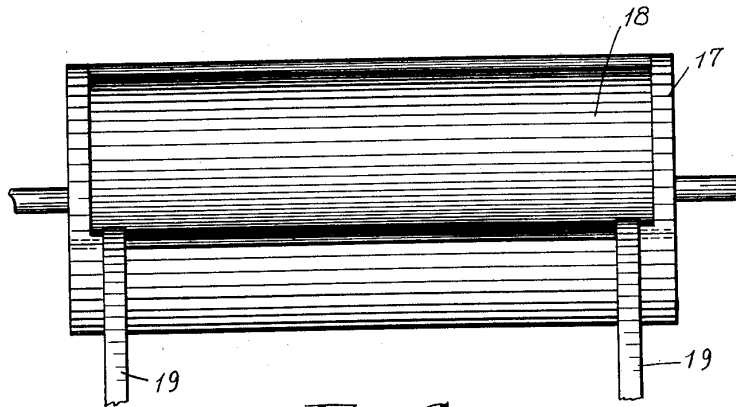


Fig. 4.

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UNITED STATES PATENT OFFICE.

LEANDER JACKSON JONES, OF HIGH POINT, NORTH CAROLINA.

REFRIGERATOR.

1,369,440.

Specification of Letters Patent. Patented Feb. 22, 1921.

Application filed December 10, 1919. Serial No. 343,923.

To all whom it may concern:

Be it known that I, LEANDER J. JONES, a citizen of the United States, residing at High Point, in the county of Guilford and State of North Carolina, have invented a new and useful Refrigerator, of which the following is a specification.

This invention relates to refrigerators especially designed for use in holding and dispensing bottles containing beverages, one of the objects of the invention being to provide bottle holding and dispensing means in connection with an ordinary provision chamber.

A further object is to provide means whereby, by the actuation of a door, a bottle dispensing device will be operated for lifting bottles one at a time from the refrigerator and delivering them.

Another object is to provide means whereby the bottles can be supplied to the refrigerator continuously without allowing any of the cold air to escape.

With the foregoing and other objects in view, which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that, within the scope of what is claimed, changes in the precise embodiment of the invention shown can be made without departing from the spirit of the invention.

In the accompanying drawings the preferred form of the invention has been shown.

In said drawings—

Figure 1 is a vertical section through the refrigerator taken from front to rear.

Fig. 2 is an enlarged section through the bottle delivering mechanism.

Fig. 3 is a section on line 3—3, Fig. 1.

Fig. 4 is a plan view of one of the delivering cylinders.

Referring to the figures by characters of reference 1 designates the casing of the refrigerator which can be of any size and proportions. This casing is provided with a chamber 2 having an upper compartment 3 provided with a shelf 4 for supporting provisions and with a lower compartment 5 adapted to hold a cake of ice indicated generally at I and which cake can be placed in the chamber 5 through a side door 6 which, in Fig. 3, is shown open and broken away, this door being adapted to swing

downwardly around a horizontal axis. The ice is adapted to rest on a removable shelf 7 supported on the hollow arcuate bottom 8 of the compartment 2 and this bottom curves upwardly to form the back of said compartment and then forwardly to constitute the top thereof. The interior of this hollow wall 8 is divided into separate channels by longitudinal partitions 9. A hopper 10 is arranged upon the top of the refrigerator and has outlets opening into the upper forward ends of the respective channels or passages between the partitions 9. This hopper 10 is preferably divided into separate compartments by means of partitions 11, one compartment opening into each of these passages or channels in the wall 8.

Formed in the top of the refrigerator above the back portion of the wall 8 is an opening 12 closed by means of a door 13. By opening this door access can be had to the contents of the rear portion of the wall 8. Another opening 14 is formed in the top portion of the bottom of wall 8 and by removing the shelf 7 access can be had to said bottom portion of the wall for the purpose of removing broken glass, etc.

The front portion of the hollow bottom 8 opens into a casing 15 formed back of the front wall of the refrigerator and which casing is divided into separate compartments into which the respective passages in the wall 8 open. In each of these compartments a cylinder 17 is mounted for rotation and said cylinder has a recess 18 in its periphery big enough to hold one bottle. A string strip 19 extends over each end portion of each cylinder, the rear ends of these strips, which are in pairs, being attached to a cross rod 20 mounted in one end of the recess 18 while the other ends of the string strips are pivotally attached, as at 21, to a door 22 hinged as at 23 to the wall of the refrigerator. One of these doors is provided for each of the cylinders 17 and it will be obvious that when said door is swung outwardly and downwardly it will pull, through the straps or strips 19 upon its cylinder 17 so as to rotate it.

In using the device the bottles are placed in the compartments in hoppers 10 and will gravitate along the hollow wall 8 until they reach their lowermost position, the forward bottle of each series being pressed by the weight of the other bottles in said series into the recess 18 in the cylinder in the path

thereof. The bottles while thus held will be kept cool by the ice and water contained in the refrigerator. By opening one of the doors the bottle contained in the recess 18 in the cylinder connected to said door will be moved upwardly into the casing 15 and thence forwardly where it will be delivered to the person operating the door. While the parts are thus positioned the cylinder 17 acts as a cut-off and prevents other bottles from moving forward. When, however, the door is closed and the cylinder 17 thus rotated back to its normal position, the forward bottle of the series will advance into the recess 18 so that the parts are thus set for again operating in the manner pointed out.

Access to the provision chamber 3 can be had by opening a door 23', as will be obvious. It will also be understood that other doors can be placed wherever desired.

What is claimed is:

In a refrigerator the combination with an

ice chamber, of a hollow wall extending over, back and under the chamber and having an inlet at its upper end and an outlet at its lower end, a feed device opening into the inlet, there being a clean out opening in line with the back portion of the wall, a closure for said opening, there being another clean out opening in the top of the bottom portion of the wall, a delivery device mounted for movement within the outlet portion of the wall, a door for closing said outlet, and means operated by the door for actuating the delivery device to deliver articles one at a time when the door is opened.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

LEANDER JACKSON JONES.

Witnesses:

LUCILLE GOLDSTON,
HENRY M. WARE.