May 3, 1927. 1,627,424

C. BINDER

BRICK ICE CREAM CONTAINER

Filed July 25, 1923 2 Sheets-Sheet 1

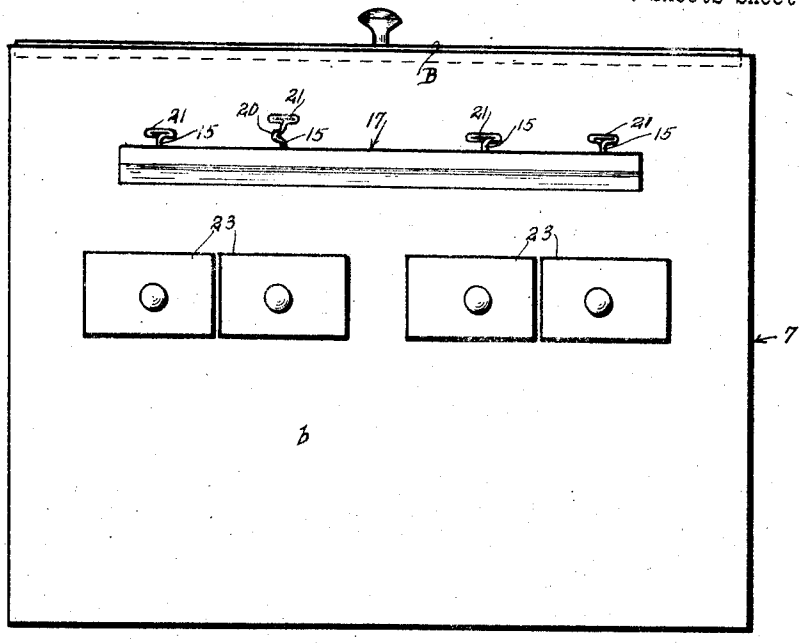


FIG. 1.

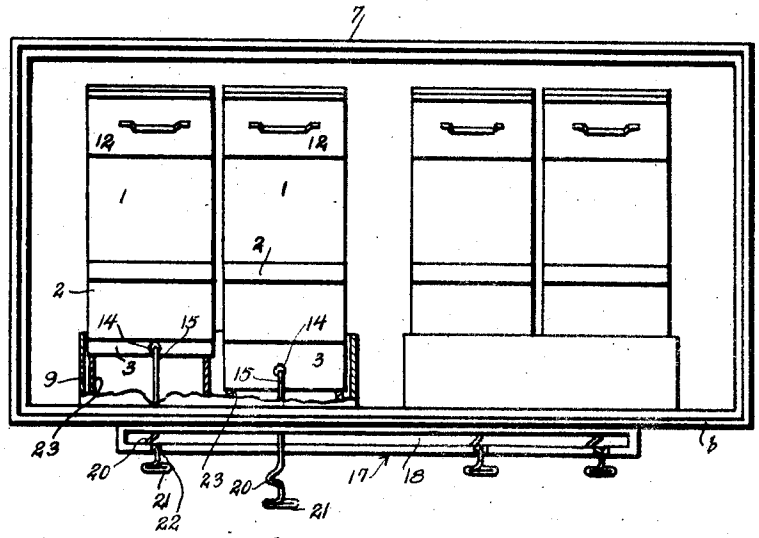


FIG. 2.

C. BINDER INVENTOR

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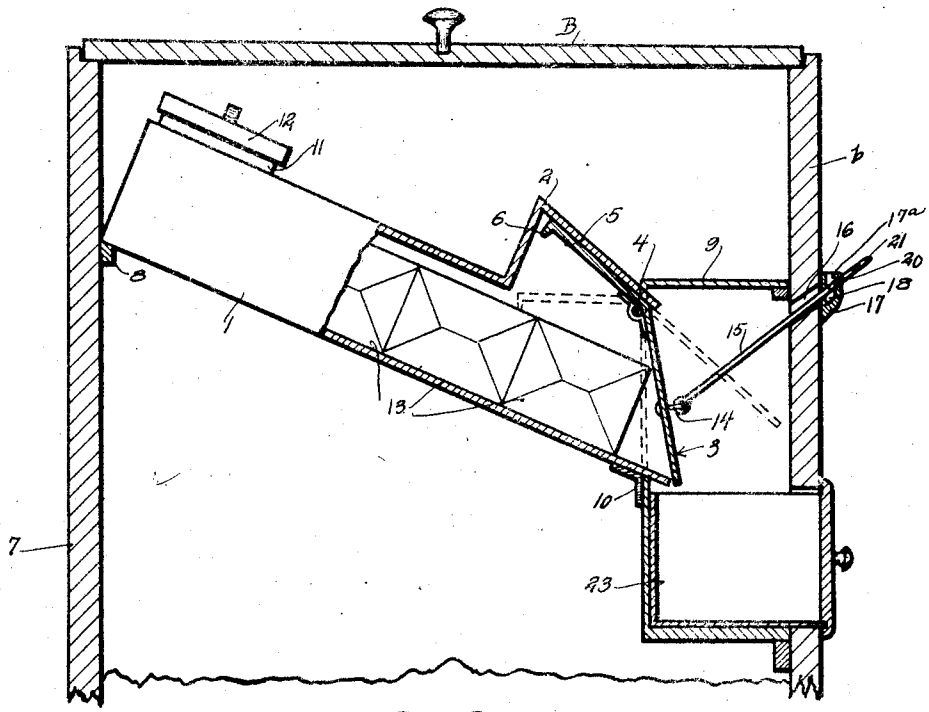


FIG. 3.

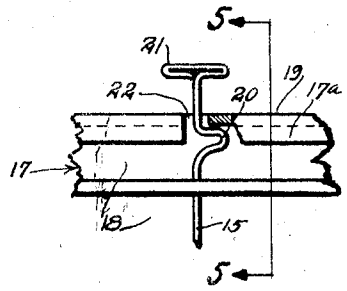


FIG. 4.

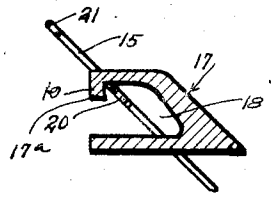


FIG. 5.

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Patented May 3, 1927. 1,627,424

UNITED STATES PATENT OFFICE.

CHRISTIAN BINDER, OF PITTSBURGH, PENNSYLVANIA.

BRICK-ICE-CREAM CONTAINER.

Application filed July 25, 1923. Serial No. 653,811.

This invention relates to dispensing devices, and more particularly to a container for dispensing ice-cream in the form of bricks.

One of the main objects of the invention is to provide a device of the character stated of simple construction and operation which may be readily produced at small cost. A further object is to provide a device by means of which ice-cream bricks may be dispensed singly and entry of warm air into the container or the ice compartments will be prevented thus effecting a material saving in the amount of ice used. Further objects will appear from the detailed description.

In the drawings:—

Figure 1 is a front view of a cabinet in which the device is mounted;

Figure 2 is a top plan view with the top or cover of the cabinet removed, partly broken away;

Figure 3 is a transverse section through the cabinet, the container and associated parts being also shown in section;

Figure 4 is a fragmentary top plan view of the locking bar and associated parts;

Figure 5 is a section taken substantially on line 5—5 of Figure 4.

The container is formed of sheet metal or any other suitable or preferred material and includes a body 1 of boxlike construction provided at its forward portion with a hood 2. A closure member or door 3 is rockably mounted on a rod 4 extending through the forward portion of the hood, this door being provided, at its upper end, with an angularly disposed arm 5 which is normally positioned adjacent to and in parallelism with the inner face of the top wall of hood 2, this arm being provided at its inner end with a downwardly directed flange 6. The body 1 is supported at an inclination in a suitable cabinet 7, the inner end of the body resting upon a strip 8 secured to the inner face of the cabinet and the outer or forward end of the body fitting snugly into a casing 9 secured to the inner face of the front wall of the cabinet. An angle strip 10 is secured to the under face of body 1 and fits against casing 9 so as to hold the body against downward movement, the angle strip 10 co-operating with casing 9 and strip 8 to support body 1 at an inclination downwardly and forwardly of cabinet 7. At its upper portion body 1 is provided with a neck 11 normally closed by a cover 12. By removing cover B of cabinet 7 and removing cover 12 of neck 11, bricks 13 of ice-cream may be readily placed within body 1 and these bricks will slide toward the lower end of the body until the lowermost brick contacts with door 3, as in Figure 3.

An eye 14 is loosely secured through door 3 and a locking rod 15 is loosely secured at its inner end through this eye. This rod slides through an opening 16 provided through front wall *b* of cabinet 7. This rod also slides through a locking bar 17 which extends across the front of the cabinet. Bar 17 has a longitudinally extending channel 18 in its upper face and the outer wall of the bar is provided at its upper edge with an inwardly projecting flange 19. Rod 15 is bent intermediate its ends to form an angular projection 20 and the outer end of this rod is also bent to provide a gripping element or head 21, the bar being provided with a vertical slot 22 extending from the upper face of outer wall 17^a to accommodate projection 20 when this projection is turned into vertical position. Normally bar 15 is in the position illustrated in Figures 3, 4 and 5, projection 20 being positioned beneath flange 19 to outer wall 17^a and in contact with the outer wall, this serving to effectually secure door 3 in closed position. When it is desired to remove a brick from body 1, the rod 15 is turned so as to bring projection 20 into vertical position, this turning of the rod being permitted due to its inclination. After the rod has been turned into this position it is pulled outwardly so as to raise door 3, rocking the door into the position indicated in Figure 3. This permits the lowermost brick 13 to slide out of the lower forward end of body 1. Movement of the door 3 into open position depresses arm 5 so as to bring flange 6 thereof into contact with the next to the lowermost brick 13 thus effectually holding this brick and the ones above it against downward movement in the body. When the door is again closed the bricks are released so as to slide toward door 3 in the manner previously described. The brick discharged when door 3 is raised drops into a drawer 23 provided for this purpose beneath the forward end of body 1, this drawer being slidable in the lower portion of casing 9. In this manner, by releasing the rod 15 and pulling it outwardly and then depressing the rod and locking against

outward movement, a brick of ice-cream is discharged into drawer 23 so that by pulling this drawer out the brick may be readily removed. This effectually prevents entry of warm air into either the container or the cabinet 7 thus effecting a very material saving in ice used, it being understood that cabinet 7 is filled with a freezing mixture about the container. In practice I arrange the containers in sets or pairs in the cabinet, as illustrated in Figure 2, though it will be understood that any number of containers preferred may be positioned within the cabinet, and these containers may be arranged in any suitable or preferred manner. As will be understood, and as indicated herein, changes in details of construction and arrangement of parts of the invention may be resorted to without departing from the field and scope of the same, and I intend to include all such variations, as fall within the scope of the appended claims, in this application in which a preferred form only of my invention is disclosed.

What I claim is:—

In combination with a cabinet having an opening formed in a wall thereof, a casing mounted within the cabinet, a drawer slidably mounted in the lower portion of the casing, a container supported at an inclination to the cabinet and having its lower end portion positioned within the casing above the drawer, a door normally closing the lower end portion of the container, an angularly shaped arm operable on one of several objects within the container inwardly of the door when said door is open to permit discharge of the lowermost of one of said objects for holding the other objects against downward movement during discharge of said lowermost one of the objects, a locking member pivotally connected to the door and having a portion projecting through the opening, said locking member including an angular projection formed in its body, and a member carried by the wall of the cabinet defining the opening and provided with a longitudinally extending channel for the accommodation of the angular projection, said member having a vertical slot formed therein for the passage of said angular projection to permit opening of said door, substantially as described.

In testimony whereof I affix my signature.

CHRISTIAN BINDER.