Oct. 26, 1926.

1,604,919

W. H. KLUCK

MILK BOTTLE CONTAINER

Filed Nov. 8, 1924

Fig. 1.

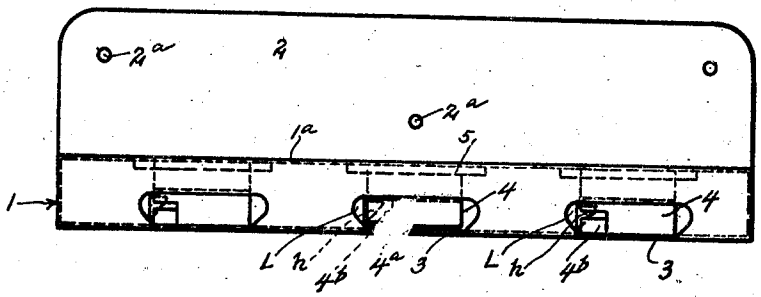


Fig. 2.

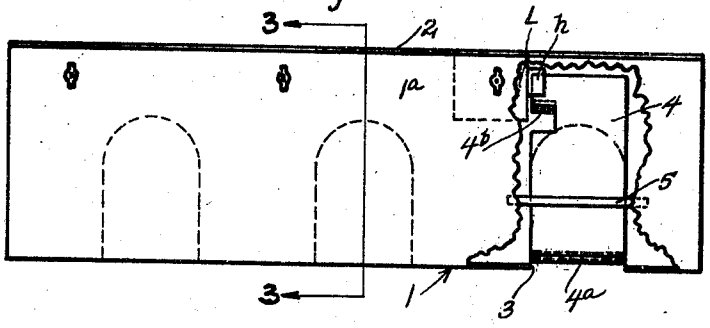
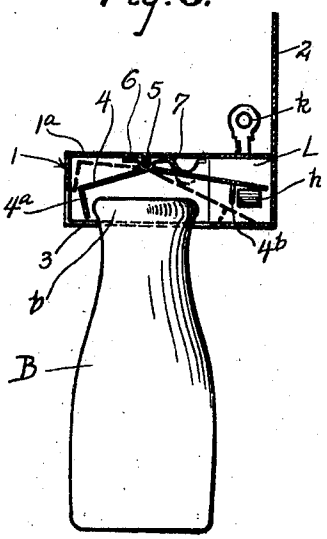


Fig. 3.



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Patented Oct. 26, 1926. 1,604,919

UNITED STATES PATENT OFFICE.

WALTER H. KLUCK, OF PITTSBURGH, PENNSYLVANIA.

MILK-BOTTLE CONTAINER.

Application filed November 8, 1924. Serial No. 748,684.

This invention relates to containers, and more particularly to what I term a milk bottle container.

One of the main objects of the invention is to provide a container of simple and inexpensive construction which is adapted for the reception of milk bottles and is provided with means for effectually preventing unauthorized removal of the milk bottles from the container. A further object is to provide a device of this character which consists of a minimum number of parts, can be readily produced and assembled at small cost, and presents a neat and attractive appearance. Another object is to provide a container of the character stated which will act to effectually cover the top of the bottle so as to eliminate the collection of foreign materials on the disc or stopper and possible entry of some of these materials into the bottle. Further objects will appear from the detail description.

In the drawings:—

Fig. 1 is a front view of the container;

Fig. 2 is a top plan view partly broken away;

Fig. 3 is a section taken substantially on line 3—3 of Fig. 2;

The container includes a sheet metal casing 1 of boxlike construction and rectangular cross-section from the back of which projects an upwardly extending back plate 2 provided with suitable openings 2^a for securing the container to a wall or other suitable supporting structure. Casing 1 is provided through its bottom wall with a plurality of transversely extending openings 3 which are shaped in cross-section to correspond approximately to the cross sectional shape of the neck portion of a milk bottle. A locking plate 4 is rockably mounted above each opening 3 by means of a shaft 5 secured to the plate and rockably mounted in bearing sleeves 6 secured to the under face of top wall 1^a of casing 1. At its forward end plate 4 is provided with a downwardly directed flange 4^a which, when the plate is in operative position, extends across opening 3 in front of the upper end portion b of a milk bottle B inserted into the casing so as to effectually prevent removal of the bottle. The plate 4 is locked in operative position by bolt h, of a spring lock L of known construction, the lock being so positioned that the bolt thereof engages beneath the rearward end portion of plate 4 when the plate is moved into operative position, thus effectually locking the plate in such position. The plate is cut adjacent one edge and turned down to provide a guard element 4^b which, when the plate is in operative position, is positioned in front of bolt h and coacts with flange 4^a to prevent tampering with the lock, opening 3 terminating an appreciable distance away from the back wall of the casing, as illustrated.

Plate 4 is normally urged into inoperative position by means of a bowed leaf spring 7 secured to the under face of top wall 1^a of casing 1 and bearing upon the upper face of the inner arm of the plate. This spring acts to normally hold the plate in the dotted line position illustrated in Fig. 3 thus leaving opening 3 unobstructed so that a milk bottle can be inserted therein. When the plate is in this position, the inner arm thereof is inclined downwardly and rearwardly of the casing so that by raising the bottle as it is inserted into the casing the plate is turned into operative position so as to bring the inner arm of the plate above bolt h as illustrated in Fig. 3. By retracting bolt h of lock L, by means of a suitable key k provided for this purpose, the plate is released and is returned to inoperative position by the action of spring 7 thus permitting bottle B to be removed and leaving the plate in proper position for the insertion of a bottle into the container. This provides simple and efficient means whereby unauthorized removal of bottles of milk from the container is effectually prevented and the device is of such simple and inexpensive construction as to justify its use by the average householder. While I have illustrated the container as having three openings for reception of a corresponding number of bottles of milk, the container can be varied to accommodate any desired number of bottles of milk, as will be understood. It will also be obvious that changes in details of construction and arrangement of parts of the invention can 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 claim, in this application in which the preferred form only of my invention is disclosed.

What I claim is:—

In a holder of the character described, a casing having an opening for reception of a bottle neck, a holding plate rockably mount-

ed between its ends above the opening and provided at its outer end with an element disposed to close the outer end of the opening when the plate is rocked into operative position, and a lock mounted in the casing and including a normally projected bolt positioned to project across the path of movement of the inner portion of the plate, the bolt being disposed to be forced inwardly of the lock by the inner portion of said plate as the plate is rocked into operative position and to engage beneath the inner portion of the plate and hold it against downward movement when the plate is in operative position.

In testimony whereof I affix my signature.

WALTER H. KLUCK.