Nov. 2, 1926. 1,605,480

J. W. STRUNK

MILK BOTTLE CONTAINER

Filed March 6, 1926

Fig. 1.

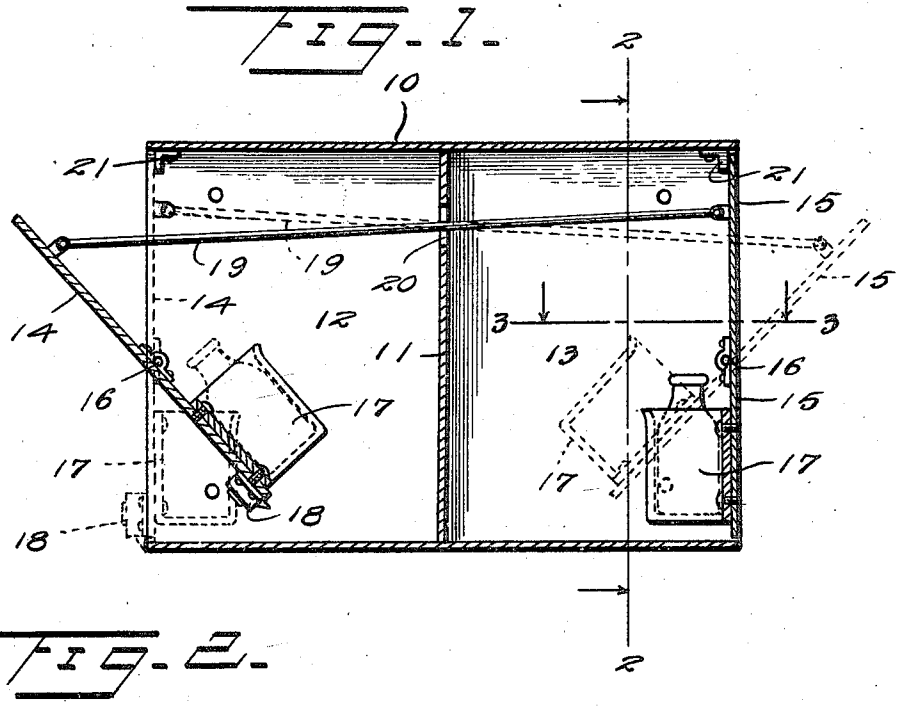


Fig. 2.

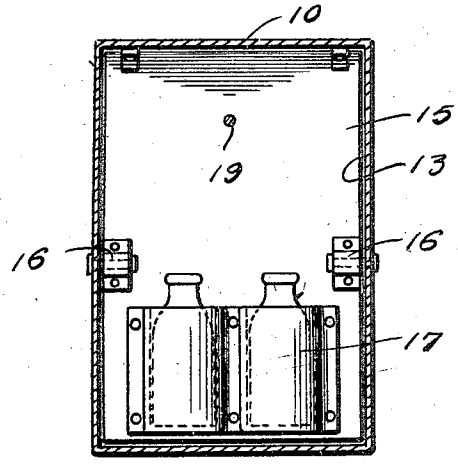
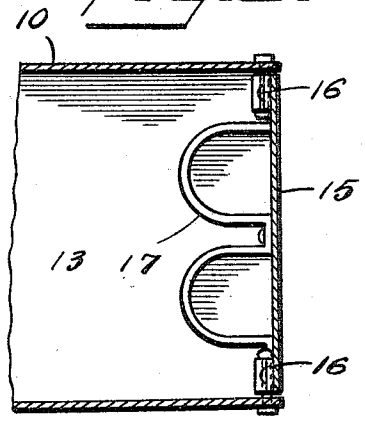


Fig. 3.



Inventor

J. W. Strunk

By Watson E. Coleman

Attorney

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UNITED STATES PATENT OFFICE.

JOSEPH W. STRUNK, OF SOMERSET, KENTUCKY.

MILK-BOTTLE CONTAINER.

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This invention relates to milk bottle containers and more particularly to a device for arrangement upon the exterior of a house for receiving full and empty milk bottles and so constructed that it prevents access to the bottle by dogs, cats or other germ infested animals.

An important object of the invention is to provide a device of this character having two compartments, each provided with a door and each adapted for the reception of milk bottles, the doors of the compartments being so connected that the insertion of a bottle or bottles in either of the compartments causes the door thereof to close and the door of the opposite compartment to open, thereby permitting removal of bottles which are arranged in the opposite compartment.

A further object of the invention is to provide a device of this character in which one of the compartments is intended for the reception of full and the other for the reception of empty milk bottles, the compartment receiving the full milk bottles having associated with the door thereof a spring lock latching the door in closed position after the milk bottles are inserted therein until opened by an authorized person.

These and other objects I attain by the construction shown in the accompanying drawing, wherein for the purpose of illustration is shown a preferred embodiment of my invention and wherein:—

Figure 1 is a vertical sectional view taken through a milk bottle container constructed in accordance with my invention;

Figure 2 is a section on the line 2—2 of Figure 1;

Figure 3 is a section on the line 3—3 of Figure 1.

Referring now more particularly to the drawing, the numeral 10 generally indicates a rectangular casing having a central partition 11 dividing the casing into two compartments 12 and 13. The opposite end walls of the casing are formed by pivoted doors 14 and 15, the pivots of which are arranged slightly below the center of the door, as indicated at 16. The inner surface of each door below the pivot thereof is provided with two or more pockets 17 for the reception of milk bottles, the doors being of such height that substantially the entire weight of the bottles is thrown against the lower half of the door when the bottles B are placed in position in the pocket. The door 14 is provided with a spring latch 18 locking when the door is in closed position to prevent re-opening thereof. Between the doors 15 and 16 is arranged a link 19 connected to each of the doors and passing through the central partition, as at 20, this link being of such length that when one of the doors is closed, the other door is open. Suitable stops 21 are provided against which the doors 14 and 15 may engage to limit their swinging movement in the closed position.

In the operation of the device, the compartment 13 is intended for the reception of empty milk bottles and when the bottles are placed in position in the pockets 17 thereof, the weight of the bottles or bottle will be sufficient to cause the door to swing about its hinges to the closed position with the result that the link connection opens the door 14. The person delivering the milk inserts the full bottles of milk in the pockets 17 of the doors 14 and since the filled bottles are of greater weight than the empty bottles, the door 15 is swung to its open position and the door 14 closes and is locked. The door 15 being open, the empty milk bottles may be removed from the compartment 13. The householder, before removing the bottles from the pockets of the door 14, places empty bottles in the pockets of the door 15 and releasing the lock 18 moves the door 14 to the open position and removes the full milk bottles. It will, of course, be obvious that with these bottles removed, the weight of the pockets of the door 15 will hold the door 14 in the open position ready to receive the full bottles at the next trip of the dairyman.

Since the construction hereinbefore set forth is capable of a certain range of change and modification without materially departing from the spirit of the invention, I do not limit myself to such specific structure except as hereinafter claimed.

I claim:—

In a milk bottle receptacle of the character described, a casing having doors at its opposite ends, said doors being arranged upon horizontal pivots arranged midway between the ends thereof, a bottle receptacle carried by the inner face of each door at a point spaced below the pivot, a connection between the doors whereby one of the doors

opens as the other of the doors closes, said connection limiting opening of the open door at a point where the weight of a milk bottle inserted in the receptacle is applied to the door at a point below the pivot thereof whereby the insertion of a bottle in the receptacle of an open door causes said door to close and the other door to open, and means within the casing between the doors preventing access through an open door to a bottle arranged adjacent the other of the doors.

In testimony whereof I hereunto affix my signature.

JOSEPH W. STRUNK.