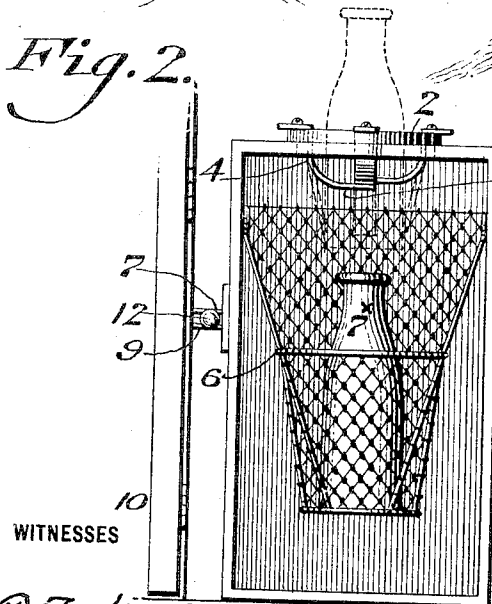
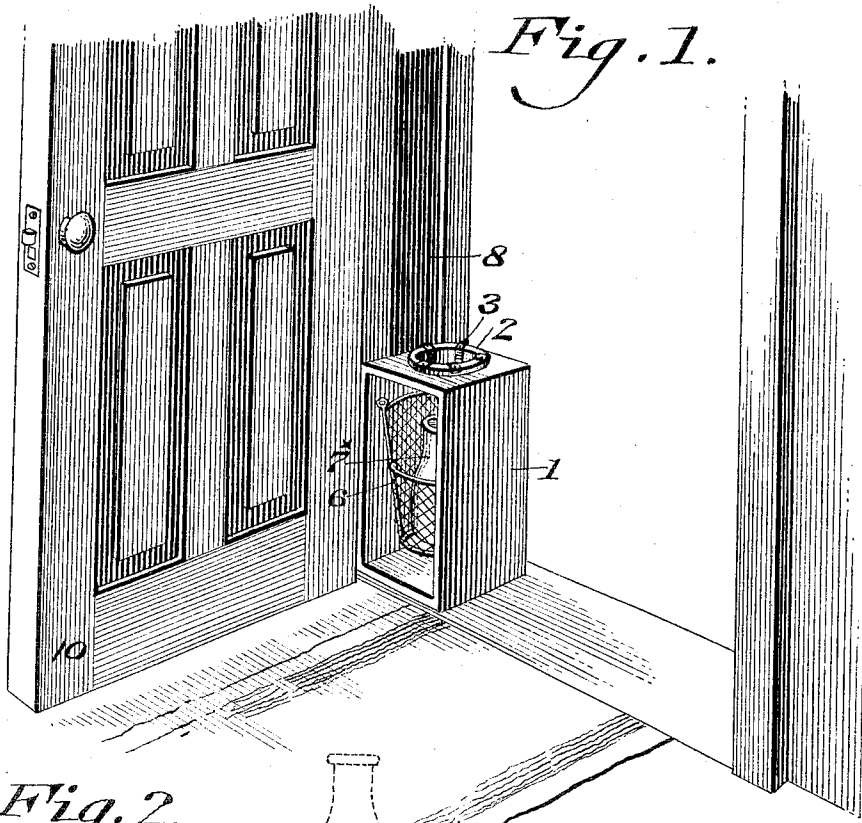


D. AINIS.
MILK BOTTLE RECEIVER.
APPLICATION FILED MAY 27, 1911.

1,051,534.

Patented Jan. 28, 1913.

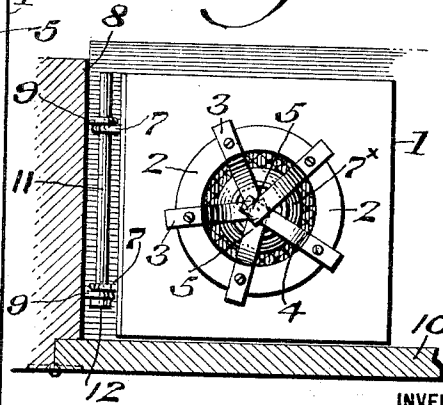


WITNESSES

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Fig. 3.



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UNITED STATES PATENT OFFICE.

DENNIS AINIS, OF PHILADELPHIA, PENNSYLVANIA.

MILK-BOTTLE RECEIVER.

1,051,534.

Specification of Letters Patent.

Patented Jan. 28, 1913.

Application filed May 27, 1911. Serial No. 629,866.

To all whom it may concern:

Be it known that I, DENNIS AINIS, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Milk-Bottle Receiver, of which the following is a specification.

My invention relates to a new and useful receiver for milk bottles, etc., whereby the latter are prevented from removal, and the contents thereof cannot be tampered with.

It further consists of a novel construction whereby the milk bottle can be inserted in the receiver without the necessity of the use of a key or any other opening device.

It further consists of novel means for securing the receiver in position without the use of locks.

It further consists of other novel features of construction, all as will be hereinafter fully set forth.

The annexed drawings and the following description set forth in detail one mechanical form embodying the invention, such detail construction being but one of various mechanical forms in which the principle of the invention may be used.

Figure 1 represents a perspective view showing the receiver in position, and with the door of the house or room in open position. Fig. 2 represents a rear elevation of the receiver showing a milk bottle in position. Fig. 3 represents a plan view of the device with a section of a door frame and door, the latter being in closed position.

Similar numerals of reference indicate corresponding parts in the figures.

Referring to the drawings: 1 designates the box or casing proper of the receiver, one side of which is open, and, as here shown, the upper end of which is provided with a suitable opening of proper size, in which is mounted the flanged ring 2, which is suitably secured to the box 1, in any suitable or desired manner.

Suitably connected with or carried by the said ring 2 are a plurality of spring members 3, which, as here shown, are connected with the top of the ring 2 and which are curved downwardly as at 4, and then inwardly as at 5, in order that the free ends of the spring members pass each other and are below the top portion of the box, as will best be understood from Figs. 2 and 3.

Secured within the box 1 is a receptacle 6, of any suitable construction, which is adapted

to be suitably positioned beneath the opening in the box 1, in order to catch and hold the milk bottle 7, after it has been inserted in the box. As here shown, the receptacle 6 consists of a frame which is suitably secured to the box 1 and which is provided with suitable netting in order to prevent injury to the bottles when they fall thereinto.

As stated, one side of the box 1 is open and I provide means on said box for locking the same in suitable position in order that the door or window, at which the box is to be situated, when closed, serves to close the open side of the box and prevent access to the interior thereof. For this purpose I provide eyes 7 at a suitable point on the box, which, as here shown, are at one side thereof, and in the door frame 8 I provide suitable eyes 9 at such a point that when the door is closed it will be suitably positioned with respect to the box 1 in order to close the open side.

In order to lock the box in position, I pass a bolt 11 having a head 12 thereon through the eyes 7 and 9 whereby when the door is closed it will be impossible to remove the box since the bolt 11 cannot be withdrawn outwardly, by reason of the head 12, and it cannot be moved inwardly sufficient to release the eyes 7 and 9 by reason of the door 10. By this means it will be seen that I have provided a structure wherein the bottles can be quickly and easily inserted from the exterior and which is closed, without the use of any locks.

To insert the milk bottles, the milkman passes the same through the opening in the box 1, and by a suitable amount of pressure, overcomes the tension of the spring members 3 so that the bottle will separate the same and will be deposited in the receptacle 6 in the box, the said spring members returning to their normal position. Owing to the construction and arrangement of the spring arms being depressed, as shown, the bottle will be properly guided, when inserted, and the said spring members cannot be raised in order to remove a bottle, as will be evident. In order to take out a bottle from the box 1, it is only necessary to open the door 10 when free access to the box can be had. This is a considerable advantage over the use of receptacles which employ a door or closure which must be locked, since, in many instances, the keys become

lost and it will take considerably more time to unlock a door and remove the milk bottle than in a construction of applicant's.

By arrangement of my securing device, 5 without the use of locks or keys, the box can be quickly removed when the door is opened by pulling out the bolt 11 from its engagement with the eyes, and the box can be quickly replaced in position by returning 10 the bolt 11 into its proper position.

It will of course be understood that the opening in the box 1 can be situated at any desired point and that the device may be made of sufficient size or provided with a 15 plurality of openings in order to receive and accommodate any suitable number of milk bottles.

Other modes of applying the principle of my invention may be employed, for the 20 mode herein explained. Change may therefore be made as regards the mechanism thus disclosed, provided the principles of construction set forth, respectively, in the following claims are employed.

25 Attention is directed to the fact that when I refer to a door, it will be understood that the same refers to a window or any other closure adjacent which the box is secured.

Having thus described my invention, what 30 I claim as new and desire to secure by Letters Patent, is:—

1. In a device of the character stated, a 35 box having an opening in its top, flat spring-arms having their upper and outer ends secured to the edge of said opening and curved downward and inward to radially project

beneath said opening with their free ends overlapping to form a support for the article to be inserted in the box, and a receptacle supported in the box and beneath the 40 opening and overlapping arms to receive the article when the latter has been pushed through between the ends of the spread spring-arms.

2. In a device of the character stated, a 45 box formed with an opening in its top, flat spring-arms having their upper ends bent outwardly and secured around the periphery of said opening and said arms being 50 downwardly and inwardly curved and extending radially beneath and across the opening with their free ends overlapping to form a yielding and separable support for the article to be inserted in the box, and a flexible support in the box and be- 55 neath the opening and overlapping arms to receive the article when the latter has been pushed through between the ends of the spread spring-arms.

3. In a device of the character stated, a 60 box having an opening in its top, and flat spring-arms having their outer ends secured to the edge of the opening and curved downward and inward to project radially beneath 65 said opening and with their free ends overlapping to form a concave support for the article to be inserted.

DENNIS AINIS.

Witnesses:

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C. D. McVAY.