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PATENTED MAR. 28, 1905.

F. HAMMOND.
RECEPTACLE FOR MILK BOTTLES OR THE LIKE.
APPLICATION FILED JUNE 27, 1904.

Fig. 1.

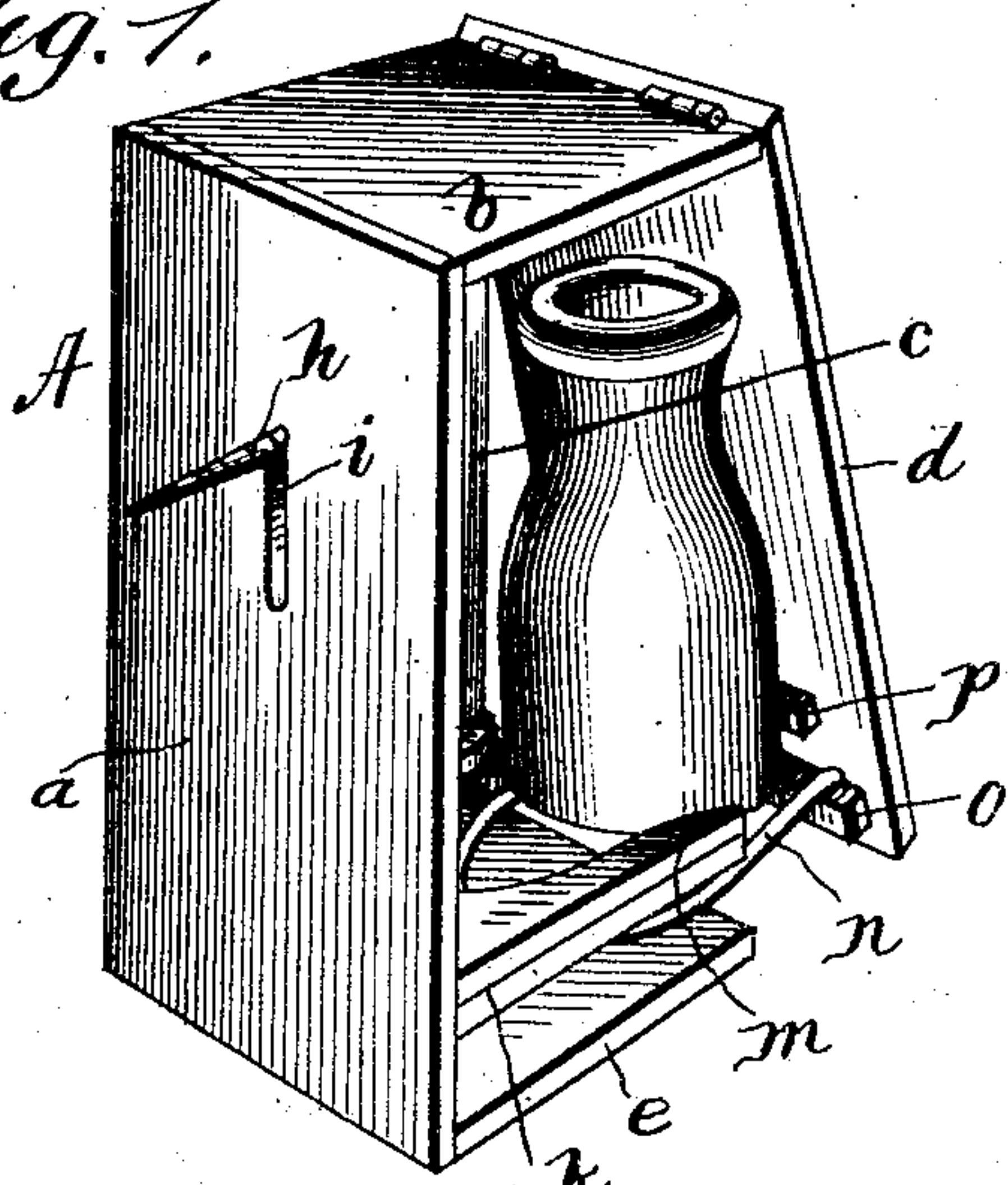


Fig. 2.

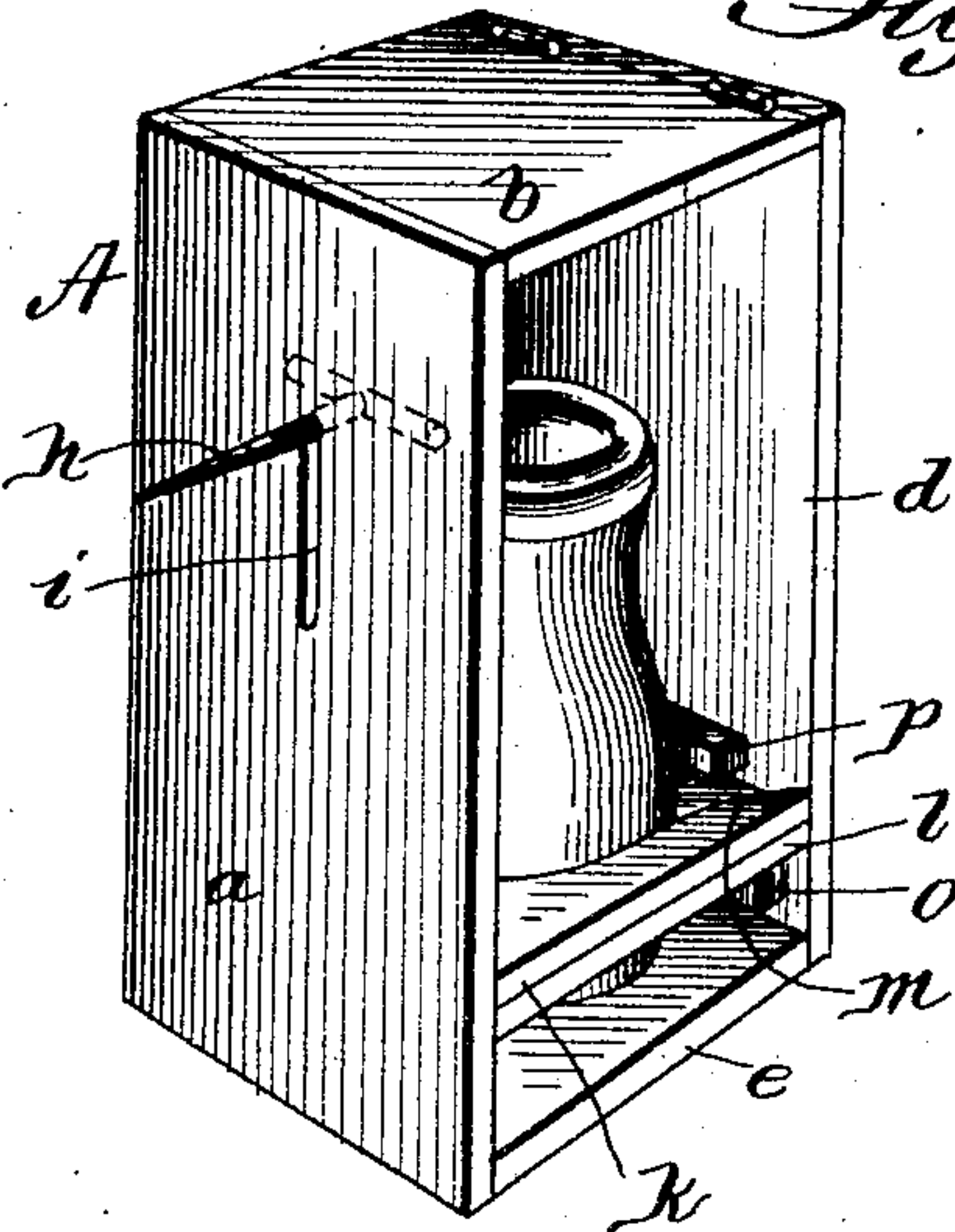
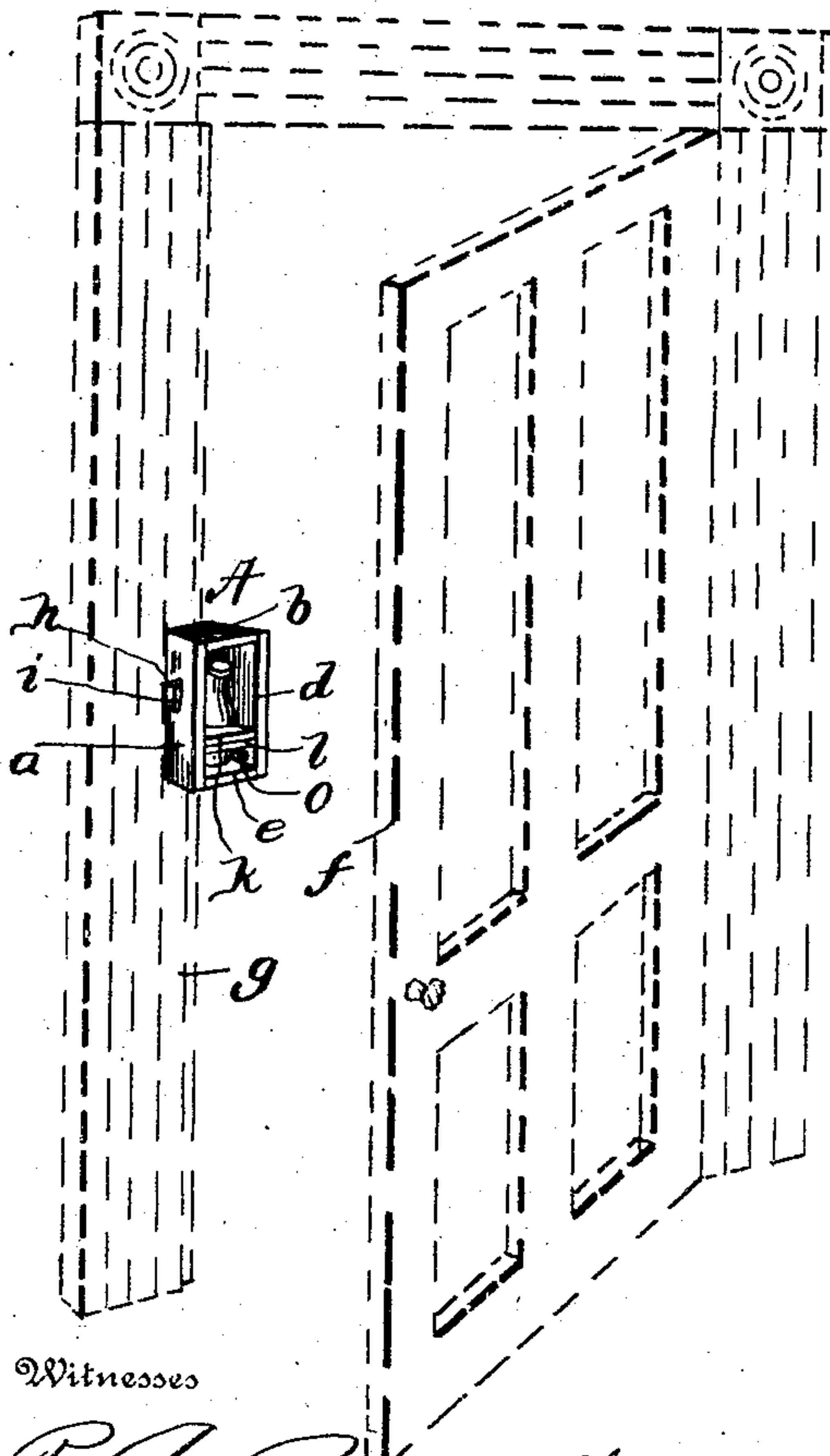


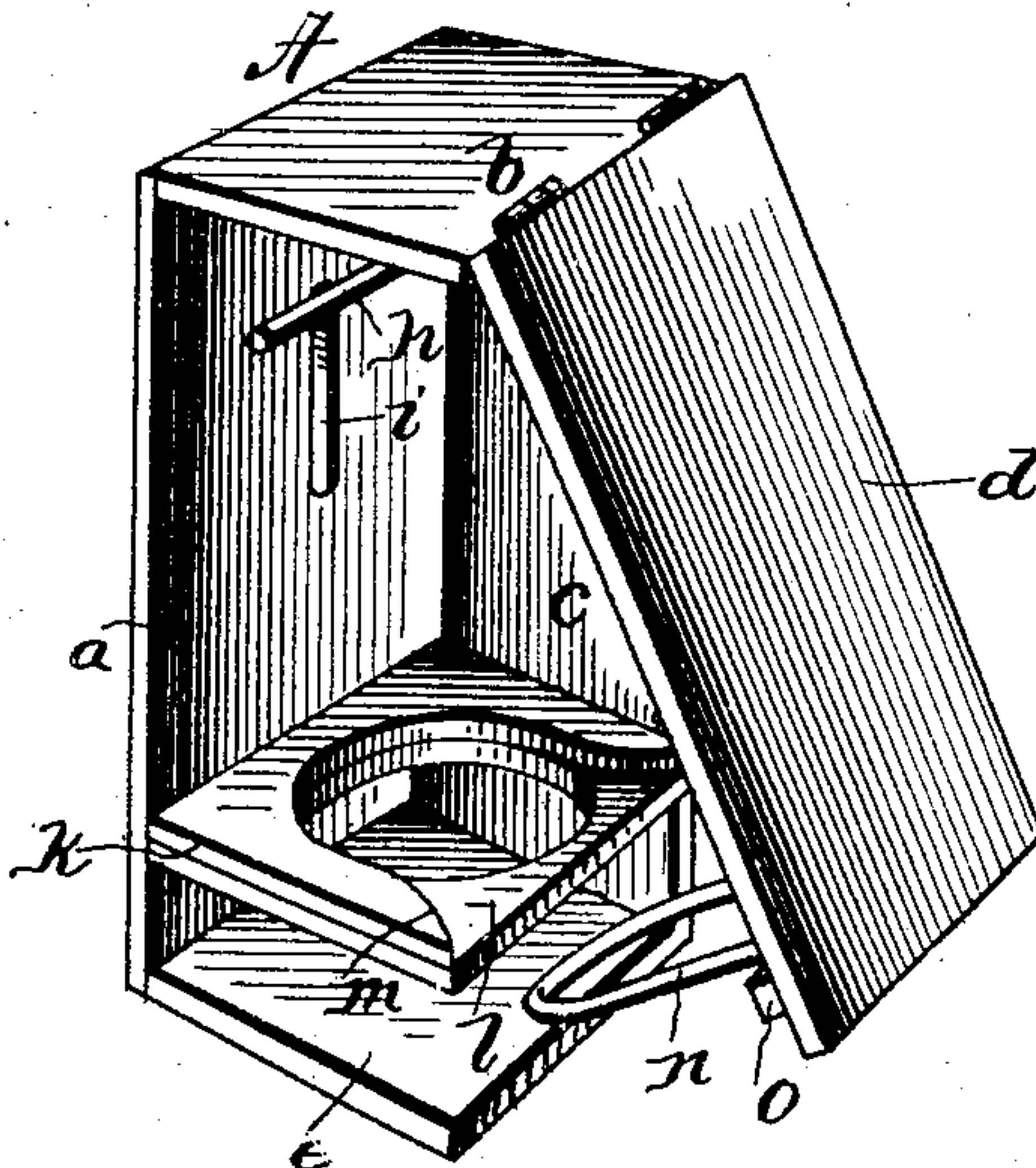
Fig. 3.



Witnesses

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Fig. 4.



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UNITED STATES PATENT OFFICE.

FRANK HAMMOND, OF WASHINGTON, DISTRICT OF COLUMBIA.

RECEPTACLE FOR MILK-BOTTLES OR THE LIKE.

SPECIFICATION forming part of Letters Patent No. 786,212, dated March 28, 1905.

Application filed June 27, 1904. Serial No. 214,313.

To all whom it may concern:

Be it known that I, FRANK HAMMOND, a citizen of the United States of America, residing at Washington, in the District of Columbia, have invented certain new and useful Improvements in Receptacles for Milk-Bottles or the Like, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in receptacles for milk-bottles and the like; and the object of the invention is to provide a receptacle in which bottles containing milk or the like may be placed and from where they may only be removed by the opening of a door that acts as a closure for one side of the receptacle.

It is the object of my invention to provide a device in which the milk-bottle may be placed within the receptacle, and as the door is closed the milk-bottle is moved to its seat or support, and during such movement it enters into a lock-keeper carried by the door of the receptacle, whereby the milk-bottle itself acts as the bolt, or, in other words, as one of the elements of the lock, and the door of the receptacle can only be opened after the milk-bottle has been removed from the open side of the receptacle, access to which is only had when the door of the building is opened.

In the accompanying drawings I have shown a practical embodiment of my invention, and I will now proceed to describe same in detail, using like reference characters to indicate like parts throughout the different views of the drawings, in which—

Figure 1 is a perspective view of a milk-receptacle constructed in accordance with my invention, showing a milk-bottle placed therein in the position it occupies before the door is closed. Fig. 2 is a perspective view showing the door of the receptacle closed and locked by the bottle. Fig. 3 is a perspective view of the receptacle in position on a door-jamb, the door-frame and door being shown in dotted lines. Fig. 4 is a perspective view of the receptacle, showing the door opened, so as to illustrate clearly the interior construction of the receptacle.

To put my invention into practice, I pro-

vide a receptacle A, which embodies a side *a*, top *b*, back *c*, a door *d*, and bottom *e*. The remaining face of the receptacle is open, and this open face or side of the receptacle or box is adapted to face toward the door *f*, to the frame *g* of which the receptacle is adapted to be attached. It is preferable to provide means for firmly securing the receptacle to the door frame or jamb in such a manner that it will be held securely and yet permit its ready attachment and removal when desired. One convenient and practical form of doing this is illustrated and consists in providing a T-shaped screw *h*, that is adapted to be screwed into the door-jamb with the head thereof lying horizontal, and I provide the side wall *a* of the receptacle with a vertical slot *i*. To place the receptacle in position on the screw, it is held horizontal and the screw entered through the slot *i* and the box or receptacle then given one-quarter turn downward, which will bring it to the upright position, and locked on the screw or support. Other convenient means of supporting the box may be employed than that shown.

Inside the receptacle and located a short distance above the bottom thereof is a bottle-holder *k*, which, as shown, may be secured to the members *a* and *c* of the receptacle. Generally in practice I have cut this bottle-holder away on its upper face for a portion of its thickness at the side next to the hinged door *d*. This is to provide a ledge *l*, forming a temporary support for the bottle and shoulders *m*, which serve to hold the bottle on this temporary support or ledge and guide the same into the opening in the bottle-holder *k*, so that the bottle will fall by gravity to and rest on the bottom *e*. The member *d*, as stated, forms one side of the receptacle, and it is preferably hinged to the top *b*. Near its lower end it carries an inwardly-extending lock-keeper *n*, which as the door *d* is closed enters between the bottle-holder *k* and bottom *e*. This lock-keeper may be secured to the door *d* in any desired manner, that illustrated being a simple form and consists in bending down the ends of the keeper and binding these downturned ends, by means of a cleat *o*, to the inner face of the door *d*. I find it advantageous to

attach a strip *p* to the inner face of the door *d*, which is of a width sufficient to insure the door *d* in its closing movement forcing the bottle from off ledge or temporary support *l* into the opening in the bottle-holder.

It will be observed that when the receptacle has been placed in position on the door-jamb as described and the door *f* of the building is closed the party or person delivering the milk has access to the receptacle from the exterior, as the door *d* is unlocked, owing to the absence of a bottle therein, and is free to be opened. The bottle containing the milk is placed by the delivering party or person upon the ledge or temporary support *l* and the door *d* then forced closed. The closing of door *d* causes loop or keeper *n* to enter between the bottle-holder *k* and bottom *e*, and as the strip or projection *p* of the door *d* comes into engagement with the bottle the latter is forced off the ledge or temporary support *m* into the opening in the bottle-holder *k* and drops by gravity onto the bottom *e*, in which position it is encircled by the loop or keeper *n* and the door *d* is effectually locked, the bottle acting as the bolt member or element of the lock. It will be observed that the bottle may now only be removed by opening the door *f*, which gives access to the receptacle through the open side, so that the bottle may be lifted out of the bottle-holder *k*. At the same time the receptacle may be removed from the door-jamb, so as not to be in the way during the day. It is to be observed that should the delivering party place the bottle within the bottle-holder instead of upon the ledge *l*, the loop or keeper being caused to describe an arc of a circle in the closing movement of the door enters under the bottle, lifting the latter so as to permit loop or keeper to pass into position encircling the bottle.

Wood, metal, or other desirable material may be employed in the manufacture of the receptacle, one advantage in the employment of wood being that it tends to preserve the milk from freezing during cold weather.

While I have shown and described the invention in detail in a practical form, yet I do not wish to be understood as confining myself to the form shown, as various changes may be made in the details and still embody a device in which the bottle acts as the bolt or element

of a lock without departing from the spirit of my invention.

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

1. A receptacle having a hinged door, a stationary bottle-holder in said receptacle, and means carried by the door into which the bottle is received when the door is closed.

2. A receptacle having a hinged door, a stationary bottle-holder within the receptacle, and a locking-keeper carried by the door and into which the bottle is received when the door is closed.

3. A receptacle provided with an open side, and having a hinged door, stationary bottle-holding means within the receptacle, comprising a horizontal partition with a hole in the center, and locking means operable by the door coacting with the bottle to lock the door.

4. A receptacle having an open side and provided with a hinged door, a bottle-holder within the receptacle and on which the bottle is temporarily supported, means carried by the door for forcing the bottle into the bottle-holder, and locking means coacting with the bottle to lock the door.

5. A milk-receptacle adapted to be removably secured to a door-jamb, and comprising a box having an open side and a hinged door, a bottle-holder within the receptacle, and a keeper carried by the door and adapted to surround the bottle and coacting with the bottle when the latter is in position in the bottle-holder to lock the door.

6. In combination with a bottle-holding receptacle removably secured to the jamb of a door, said receptacle having an open side and a hinged door, a keeper adapted to be engaged by the bottle and carried by the hinged door to lock the same.

7. A receptacle for bottles having an open side, a hinged door, a bottle-support having a central opening therein and a keeper carried by the said door and coacting with the bottle to lock the door.

In testimony whereof I affix my signature in the presence of two witnesses.

FRANK HAMMOND.

Witnesses:

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THEODORE L. BAKER.