No. 691,093. Patented Jan. 14, 1902.

C. H. BAGLEY.

MILK CAN.

(Application filed July 20, 1901.)

(No Model.)

Fig 1

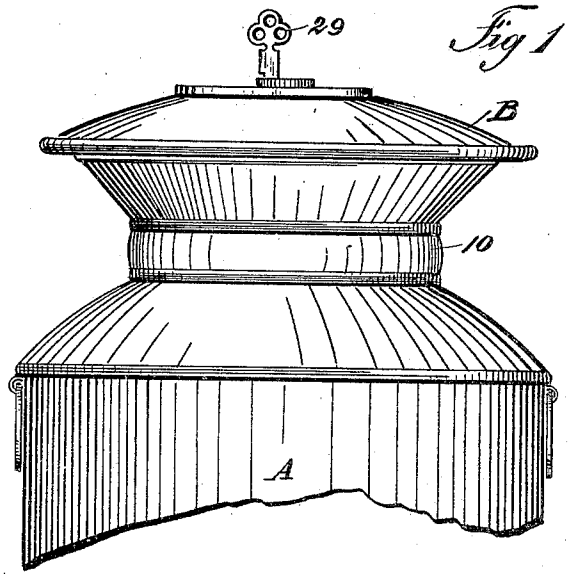


Fig 2

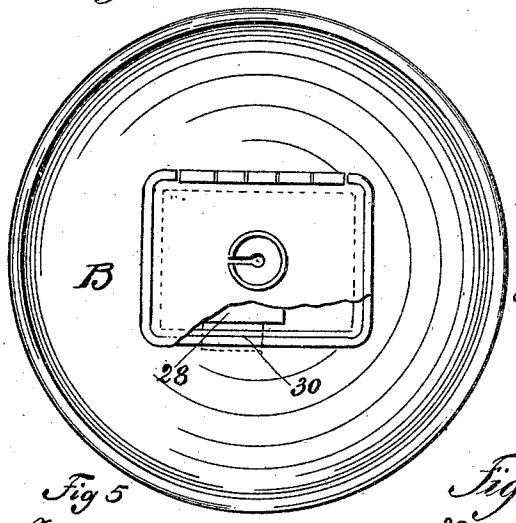


Fig 3

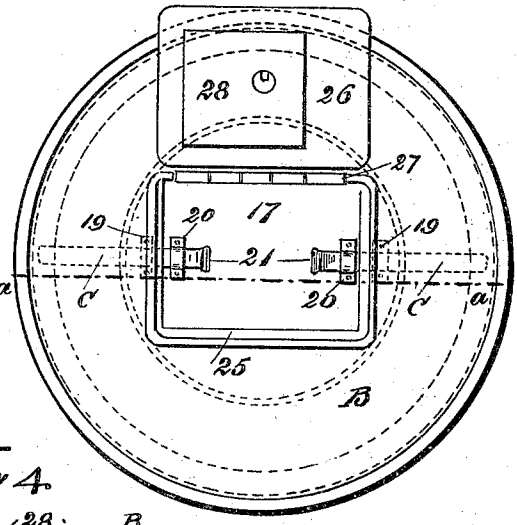


Fig 5

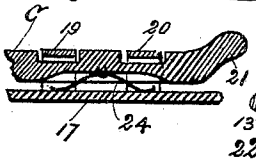
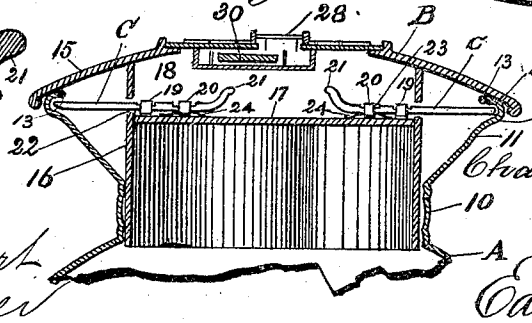


Fig 4.



WITNESSES

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CHARLES HODGE BAGLEY, OF HOBOKEN, NEW JERSEY, ASSIGNOR OF ONE-HALF TO LOUIS BENDER, OF HOBOKEN, NEW JERSEY.

MILK-CAN.

SPECIFICATION forming part of Letters Patent No. 691,093, dated January 14, 1902.

Application filed July 20, 1901. Serial No. 69,055. (No model.)

To all whom it may concern:

Be it known that I, CHARLES HODGE BAGLEY, a citizen of the United States, residing at Hoboken, in the county of Hudson and State of New Jersey, have invented certain new and useful Improvements in Milk-Cans, of which the following is a full and complete specification, such as will enable those skilled in the art to which it appertains to make and use the same.

The object of my invention is to provide a receptacle for milk and like fluids with a removable cover provided with means for securely locking such cover to the receptacle, whereby tampering with the contents of such receptacle while in transit will be absolutely prevented.

To such end my invention consists, in substance, of a receptacle having an outwardly-flaring circular orifice provided at the top with an inner circumferential groove formed by an inwardly-extending wire-strengthened flange; a cover having a downwardly-depending central stopper portion fitting into the portion of the orifice below the flare and a cover portion or plate extending over the flare; a bolt-compartment in the upper part of the cover; a door for such bolt-compartment; a lock for the door actuated by a removable key; sliding bolts located in the bolt-compartment and extending through the walls thereof, adapted when pushed outward to lock the cover upon the receptacle by coaction with the inwardly-extending top flange, and means for locking the sliding bolts when in the outward position against accidental displacement; a master-key for each of a large number of the receptacles, and an individual key for each of the receptacles or for each of a small plurality thereof.

In the accompanying drawings, forming part of this specification, in which like characters of reference designate corresponding parts in the several views, Figure 1 is a side view in elevation of my improved milk-can or fluid-receptacle. Fig. 2 is a top plan view thereof, the door of the bolt-chamber being closed, a portion thereof being broken away in order to show the lock mechanism. Fig. 3 is a view similar to Fig. 2, the cover being shown in the open position. Fig. 4 is a view thereof in central vertical section on the line *a a* of Fig. 3 looking in the direction of the arrow, the cover, however, being in this case shown in the closed position, as in Figs. 1 and 2; and Fig. 5 is a detailed view, on an enlarged scale, of one of the lock-bolts in position.

In the drawings, A designates the receptacle, and B the cover, such receptacle being usually provided with a central circumferential orifice portion 10, smaller than the main body of the receptacle, from which extends upward the outwardly-flaring mouth portion 11, provided at its upper end with the inwardly-turned flange provided in its inner edge with a strengthening-wire 13, over which the sheet metal of the receptacle is turned to hold such wire in position in the well-known manner, so as to leave a circumferential groove 14 below such flange and wire, as shown. The cover B, like the receptacle, is usually of the well-known milk-can form shown, consisting of a dished cover piece or plate 15, from the inner side of which extends downward a central circular stopper-piece 16. In my improved form of milk-can and fluid-receptacle such stopper is provided near the top with a central transverse plate 17, above which is the lock-bolt chamber 18, and upon this plate upon either side are secured two keepers 19 and 20, through which reciprocate back and forth the lock-bolts C. Such lock-bolts C are provided at the rear inner ends with upwardly-extending handle or thumb portions 21 and with slots 22 and 23, which slots are adapted to engage, as hereinafter explained, with the keepers 19 and 20 when in the outward or locking position, (shown in Fig. 4,) the slots 22 engaging with the keeper 19 and the slots 23 engaging with the keeper 20, and when in the rearward or unlocked position (shown in dotted lines in Fig. 3) the slots 22, engaging with the keeper 19, a spring 24, secured to the under side of each of the lock-bolts C, of any desired form, serving to keep the lock-bolts pressed up against the keepers, so that when in registry with such slots, whether in the outward or inward position, the same will be firmly locked against displacement by jarring or other accidental means, a detail of one of such bolts and the keepers partially in section being shown in somewhat an enlarged scale in Fig. 5. As will be seen on examination of Fig. 4, when the lock-bolts are in the outward

or locking position by reason of their extending outward through the wall of the lock-bolt chamber 18 into the annular groove 14 under the flange 12 they will in such position firmly and securely lock the cover B upon the receptacle A and that by reason of the flange being annular no adjustment or seeking for proper position will be necessary, as no matter in what position the cover may be when it is once pushed down into position the bolts C being shot outward will pass under such flange at some portion thereof.

The cover B is provided at the center with an orifice 25, usually of the rectangular form shown and provided with a cover 26, usually hinged to the cover by means of a hinge 27, which cover is provided with a lock 28, of any desired form, adapted to be locked and unlocked by means of a removable key 29. By this arrangement it will be seen that in dairies or milk-supply houses or those of other persons vending liquids upon filling the receptacle with the required quantity of such liquids and placing the cover in position thereon, inserting the hand through the orifice 25, springing the bolts back into the locked position, (shown in full lines in Fig. 4,) closing down the cover or door 26 by means of the key 29, locking such door 26 in the closed position by throwing outward under the side of the orifice opposite the hinge 27 the lock-bolt 30, such receptacle will be locked against interference by unauthorized persons, whereby dilution, contamination, or theft of the milk or other fluid contained in the receptacle will be absolutely prevented.

Usually where the milk or other fluid is dispensed to a large number of different persons the locks 28 are so formed that they may be provided with a master-key, which will fit a large number or all of the cans owned by one dispenser and also so formed that small numbers of them will also open to individual keys, which will not fit any of the locks of others of such cans except those belonging to that particular series, only the person to whom such small series is delivered being supplied with an individual key opening the receptacles of such set or series, whereby the tampering by one customer with the milk or fluid intended for another customer will be absolutely prevented.

It will be apparent that changes in and modifications of the construction herein described may be made without departing from the spirit of my invention or sacrificing its advantages, and I reserve the right to make all such alterations therein and modifications thereof as fairly come within the scope of my invention.

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

1. In a device of the class described, a receptacle provided with a tubular neck or orifice having an outwardly-flaring rim at the top thereof, said rim being provided at the top edge thereof with an inwardly-curved annular portion forming an annular groove, a removable cover provided with a central tubular portion adapted to enter said neck or orifice, said cover being adapted to rest on the top flange or rim of the neck or orifice portion and said central tubular portion of said cover being provided with a transverse plate having diametrically-arranged keepers, at the opposite sides thereof, sliding locking-bolts mounted in said keepers and passing through each side orifice in the tubular portion of the cover and the outer ends of which are adapted to enter said annular groove, said cover being also provided centrally of the top with an opening closed by a hinged lid or supplemental cover and means for locking said hinged lid or supplemental cover, substantially as shown and described.

2. In a device of the class described, a receptacle provided with a tubular neck or orifice having a flaring top flange at the top of which is an annular groove, a cover adapted to rest on said top flange and provided with a depending central tubular portion adapted to enter the neck or orifice of the receptacle, said central tubular portion of the cover being provided with radially-arranged locking-bolts adapted to enter said groove and said cover being also provided centrally of the top thereof with an opening closed by a hinged door and means for locking said door, substantially as shown and described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 18th day of July, 1901.

CHARLES HODGE BAGLEY.

Witnesses:
ALBERT S. SCHILLAR,
EDWARD W. MARTIN.