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I. BERGER & A. UHAZY.

MILK CAN LOCK.

APPLICATION FILED OCT. 7, 1905.

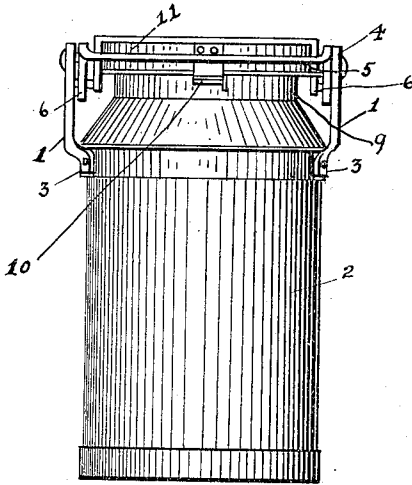


Fig. 1.

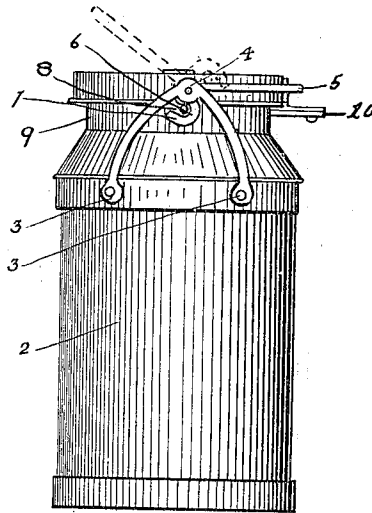


Fig. 2.

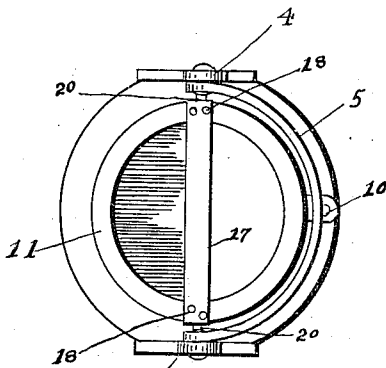


Fig. 3.

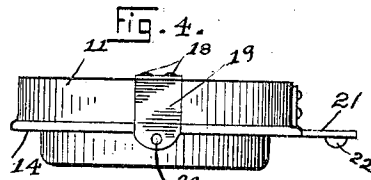


Fig. 4.

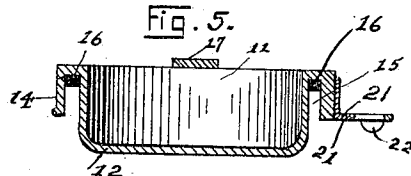


Fig. 5.



Fig. 6.

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UNITED STATES PATENT OFFICE.

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MILK-CAN LOCK.

No. 830,821.

Specification of Letters Patent.

Patented Sept. 11, 1906.

Application filed October 7, 1905. Serial No. 281,838.

To all whom it may concern:

Be it known that we, IGNATZ BERGER and ALBERT UHAZY, subjects of the Emperor of Austria-Hungary, residing at Allegheny, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Milk-Can Locks, 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 locks, and the invention relates more particularly to a novel form of lock adapted to be used in connection with milk-cans.

The primary object of this invention is to provide a novel form of lock wherein positive and reliable means are employed for locking a lid upon a milk-can, also means whereby a lid can be forced into engagement with a can to form an air-tight and non-leakable connection between the can and the lid.

A further object of this invention is to provide a lock for milk-cans which can be easily and quickly operated and manufactured at a comparatively small expense.

With the above and other objects in view the invention consists in the novel construction, combination, and arrangement of parts to be hereinafter more fully described and then specifically claimed.

Referring to the drawings accompanying this application, like numerals of reference designate corresponding parts throughout the several views, in which—

Figure 1 is a front elevation of a milk-can equipped with our improved lock. Fig. 2 is a side elevation of the same. Fig. 3 is a plan view of the can. Fig. 4 is a side elevation of the lid thereof. Fig. 5 is a cross-sectional view of the lid, and Fig. 6 is a side elevation of one end of a strap used in connection with the lock.

To put our invention into practice, we provide milk-cans with diametrically-opposed yokes 1 1, these yokes being secured to the upper edge of the cylindrical body portion 2 of the can, as at 3 3. The uppermost point of each yoke is enlarged to form a pierced boss 4 and between the bosses of the yokes is pivotally mounted a semicircular bail 5. The pivoted ends of said bail are enlarged to form a cam-surface, as at 6 6, and these ends of the bail are provided with outwardly-extending hook-shaped members 7 7, which

form a segment-shaped slot 8 at each end of the strap.

The contracted neck portion 9 of the milk-can is provided with an outwardly-extending pierced lug 10 and adapted to fit upon the neck portion of the can is a lid 11, said lid being formed with a central depending or countersunk portion 12, adapted to fit within the can. The lid is provided with depending sides 14 14, which provide an annular recess 15 for the reception of the upper end of the contracted neck 9 of the can. In the annular recess 15 is placed a gasket or washer 16, adapted to form an air-tight and non-leakable connection between the lid 11 and the can. The lid is also provided with a transversely-arranged bar 17, that is riveted, as at 18 18, to the top edges of the lid. The bar has its ends bent downwardly, as at 19, and provided with outwardly-extending pins 20. The lid 11 is provided with an outwardly-extending pierced lug 21, said lug being formed with a depending lip 22.

When it is desired to lock the lid 11 upon the can, the bail 5 is elevated or raised to the position shown in dotted lines, Fig. 2, at which time the lid 11 is placed upon the contracted end of the can and rotated until the depending lip 22 of the pierced lug 21 of the lid engages the pierced lug 10 of the can, the engagement of these lugs causing the openings of the lugs to register, also positioning the pins 20 20 of the bar 17 to be engaged by the bail 5. The bail 5 is now swung over until the cam-surfaces 6 6 of the ends of the bail engage the pins 20 20, this engagement forcing the pins downwardly, and consequently the lid, and a further movement of the bail causes the hook-shaped members 7 7 to pass around the pins 20 20, the pins passing into the segment-shaped slots 8 8. When the bail has been placed in the horizontal position, as illustrated in Figs. 1 to 3, inclusive, a conventional form of seal or lock can be employed for locking the bail and the pierced lugs 10 and 21 together, the seal passing through the openings of said lugs and engaging around the bail 5.

When the lid is locked upon the can, the transversely-disposed bar 17 serves as a handle or grip for carrying the can, it also being possible to use the yokes 1 1 as handles when an extremely large can is to be lifted. The countersunk portion of the lid permits of the bar 17 being easily gripped, at the same time providing a construction which

will insure an air-tight connection being made between the can and the lid.

Attention is directed to the fact that were it not for the hook-shaped members 7 7 on the ends of the bail 5 and the lid merely held down by the cam-shaped ends of the bail it would be comparatively easy to spread apart, as the lid could be rotated a sufficient distance to throw the pins 20 from under the ends of the bail, and this would permit the revolving of the lid, even though lugs 10 and 21 were locked together. The hook-shaped members 7, however, absolutely prevent the rotation of the lid in either direction when the pins 20 are engaged therewith, thus securely locking the lid.

It is thought from the foregoing that the construction, operation, and advantages of the herein-described milk-can lock will be apparent without further description, and various changes in the form, proportion, and minor details of construction may be made without departing from the spirit of the invention or sacrificing any of the advantages thereof.

What we claim, and desire to secure by Letters Patent, is—

The combination with a milk-can, diametrically-opposed yokes carried by the can, and an outwardly-extending pierced lug carried by the can, of a bail pivotally mounted in said yokes, said bail having cam-shaped ends and hook-shaped members carried by said ends, a lid, a strip carried by said lid and having depending ends on diametrically opposite sides of the lid, pins carried by the depending ends of said strip, said pins being adapted to be engaged by the cam-shaped ends of the bail and the hooks carried by the bail, a pierced lug carried by said lid, a depending lip carried by the pierced lug of the lid and engaging the pierced lug of the can.

In testimony whereof we affix our signatures in the presence of two witnesses.

IGNATZ BERGER.
ALBERT UHAZY.

Witnesses:

H. C. EVERT,
E. E. POTTER.