

(No Model.)

G. McDERMOTT.
FASTENER FOR MILK CANS.

No. 527,247.

Patented Oct. 9, 1894.

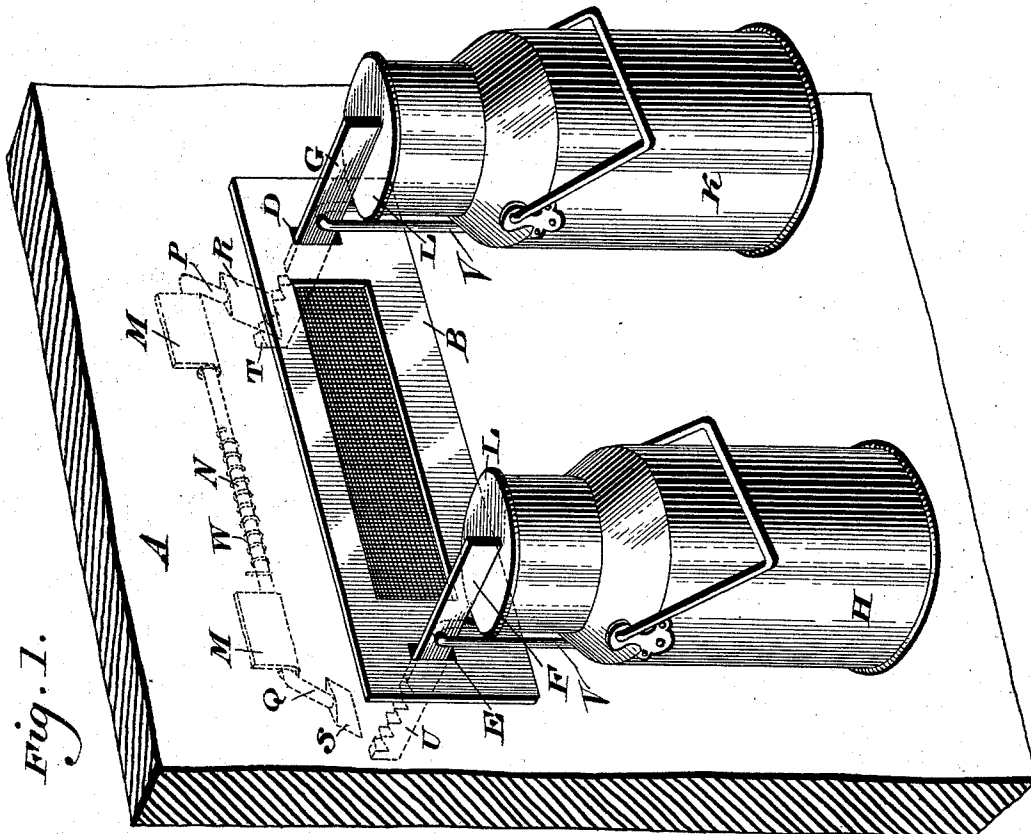
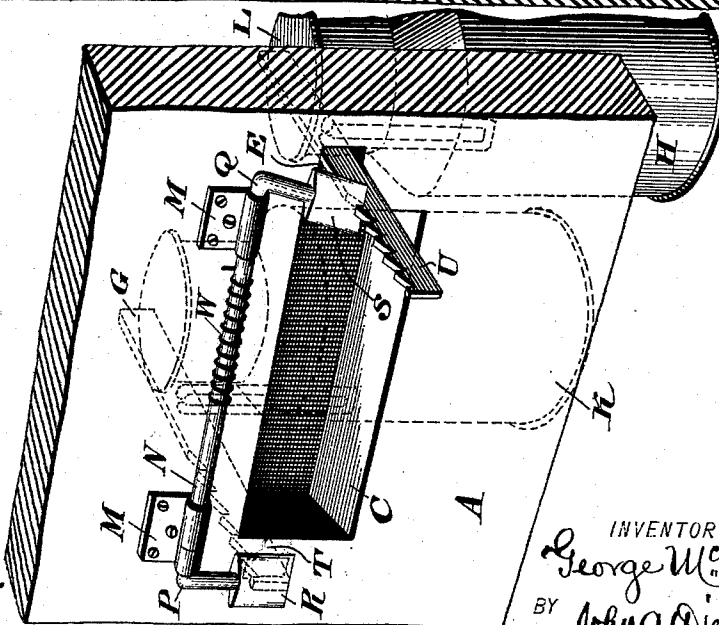


Fig. 2.



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FASTENER FOR MILK-CANS.

SPECIFICATION forming part of Letters Patent No. 527,247, dated October 9, 1894.

Application filed April 26, 1894. Serial No. 509,072. (No model.)

To all whom it may concern:

Be it known that I, GEORGE McDERMOTT, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Fasteners for Milk-Cans, which improvement is fully set forth in the following specification and accompanying drawings.

My invention consists of improvements in fasteners for milk cans, whereby access to the interior of the can is prevented, and either full or empty cans are prevented from being carried off except by some one properly authorized to remove them, all as will be hereinafter set forth.

Figure 1 represents a perspective view of the front of a fastener for milk cans embodying my invention. Fig. 2 represents a perspective view of the rear of the same.

Similar letters of reference indicate corresponding parts in the two figures.

Referring to the drawings: A designates a gate, door, wall, partition, &c., provided on the outside with the frame B, preferably of metal, which surrounds the letter box opening C. The frame B is provided near each end with the slots D and E.

F and G designate the ends of racks T and U, from which are suspended the milk cans H and K, the can H being the empty one and the can K being the full one (in the present instance), the suspension being accomplished by means of hangers or rods V, which are suitably attached to the cans, and to the racks F and G near the outer ends thereof.

L designates the covers of the cans.

M designates bearings on the inside of the door A, for the rock shaft N, which is provided at its ends with the arms P and Q, bent at right angles thereto, and carrying at their ends, the dogs R and S adapted to engage the teeth on the racks T and U, when the same are inserted through the slots D and E, as will be explained.

W designates a spring on the shaft N, which is adapted to force the dogs R and S downwardly at all times.

The ends F and G of the racks T and U on the outside of the partition, are adjacent to and extend over the covers of the cans H and

K, when the same are in the positions shown in Fig. 1, so that it is impossible to remove the covers or to tilt a full can so as to pour out the milk, but when the racks, &c., are removed from the slots, the covers of the cans can be easily removed. It is obvious however that if desired, the ends F and G of the racks can terminate near the hangers or rods V, the locking feature in said instance being dispensed with.

The bent arms P and Q of the shaft N are bent axially at different angles from each other, for a purpose to be hereinafter referred to, so that when one dog R of said shaft N, is down in contact with the side of the door or partition A, the other dog S will be slightly raised, as shown in Fig. 2.

The operation will now be apparent: Suppose both cans and their racks T and U, &c., to be withdrawn from the slots. When the servant or other party places the rack U of the empty can H in the slot E, as seen in Fig. 2, said rack cannot be withdrawn from the exterior on account of the engagement of the dog S therewith, until the milkman inserts the rack T of the full can K in the slot D, which act is shown as just taking place in Fig. 2. After the said rack T has been moved into the position shown in Fig. 1, it will be locked by the dog R, but by reason of the difference of angularity of the dogs R and S, the dog S will be raised and thus disengaged from the rack U, as is clearly seen in Fig. 1, whereby the milkman can now withdraw the empty can and take it away for filling, but the remaining full can is locked in place so that it cannot be removed, except by the properly authorized person disengaging the dog R from the rack T, thus permitting the removal and emptying of said can, and then inserting the rack U in the opening E, so that said rack is locked by the dog S, as in Fig. 2, and so remains until the rack of the next full can is inserted in the slot D.

It is obvious that if desired my device may be employed to support and lock a single can in position, only a single slot being required in the partition, and a single dog being necessary to lock the rack of the cans suspended therefrom after said rack has been inserted in position.

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

1. A milk serving device, comprising two
5 cans, racks from which the same are supported, locking devices for said racks whereby the removal of one of the latter cannot be effected except by the placing of the other can in position, substantially as described.
- 10 2. A milk serving device comprising a partition, two slots through the same, and a latch pivoted above and provided with the dogs R, S, projecting at different angles and adapted to engage the racks T and U of the cans, substantially as described.
- 15 3. A milk serving device, comprising milk cans, racks for supporting the same, locking devices for said racks, whereby the removal of one of the latter can not be effected until the
20 other rack is placed in position, an end of each bar extending over the top of the can suspended therefrom, so that no access can be had

to interior when said racks are placed in position, said parts being combined substantially as described.

4. A partition having a slot therein, a latch pivoted over one end of said slot, and a rack from which a can is suspended having one end adapted to be engaged by the latch, and the other end adapted to extend over the cover of said can and prevent access thereto when the same is in position, said parts being combined substantially as described.

5. A bar having a rack on the inner end thereof, and a milk can suspended from said bar, the outer end of said bar being adapted to extend over the top of the can and lock the same, said parts being combined substantially as described.

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Witnesses:

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