W. DOYLE.

Bottle or Can Fastener.

No. 218,719. **Patented Aug. 19, 1879.**

Fig. 1.

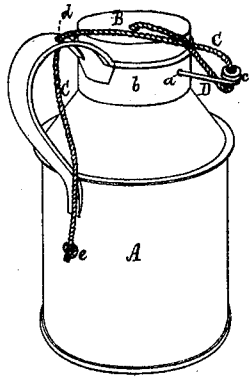
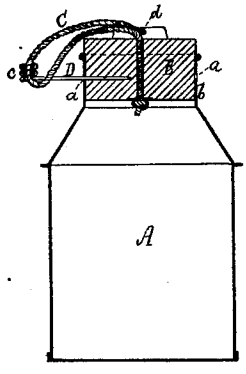


Fig. 2.



Witnesses.
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UNITED STATES PATENT OFFICE.

WILLIAM DOYLE, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN BOTTLE OR CAN FASTENERS.

Specification forming part of Letters Patent No. **218,719**, dated August 19, 1879; application filed January 22, 1879.

To all whom it may concern:

Be it known that I, WILLIAM DOYLE, of Boston, of the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in Bottles or Milk-Cans; and do hereby declare the same to be fully described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a perspective view, and Fig. 2 a transverse section, of a milk-can provided with my invention, the main object of which is to preserve the stopper in place in the mouth of the can.

It frequently happens during the transportation of a milk-can in a wagon that the stopper of such can becomes loosened in and ejected from the mouth of the can, the milk or liquid contents being thereby liable to be spilled or thrown out of the vessel.

With my invention the stopper is not only attached to the can, but is provided with a ready means of keeping it in place in the neck or mouth thereof.

In carrying out my said invention or improvement, I provide the bottle or can A with one or more holes, *a*, made radially in or diametrically through its neck *b*, in that part thereof into which the cork or stopper B is to be inserted; and I fasten to the stopper and to the can a chain or cord, C, which I also run through the eye *c* of, or fix to, a pin or needle, D. The chain or cord goes through a hole, *d*, in the handle, and has a knot, *e*, made on it at its end, to prevent it from becoming detached from the handle.

From this it will be seen that to secure the stopper in the neck of the can or bottle the needle or pin is to be inserted into one of the radial holes of the neck and thrust into or through the stopper, or through both neck and stopper, after which, in order to keep the pin firmly in place, the cord or chain may be drawn taut through the hole in the handle and the eye of the pin or needle, and afterward be tied to itself or to the handle.

As wooden stoppers are generally used for milk-cans, the holes thereof for reception of the pin I purpose to make somewhat larger in diameter than the pin, in order that it may be readily inserted through the stopper, in which case the necessity of drawing the cord taut through the pin, eye, and the handle, and tying the cord to itself or to the handle, will be apparent.

In lieu of the hole in the handle, an eye or a projection with a hole in it may be fixed to the bottle or its neck; but having in the handle the fastening-hole for the cord saves the expense of a perforated projection or eye, as mentioned, separate from the handle.

I claim as my invention as follows:

In combination with the bottle or milk-can A, provided with one or more holes, *a*, in its neck *b*, and with a stopper, B, to such neck, a pin or needle, D, and a chain or cord, C, connecting it with the stopper and with the bottle or the handle thereof, all being substantially and for the purposes or objects as set forth.

WILLIAM DOYLE.

Witnesses:

R. H. EDDY,

S. N. PIPER.