(No Model.)

W. FROSCH.

OIL CAN.

No. 535,578. Patented Mar. 12, 1895.

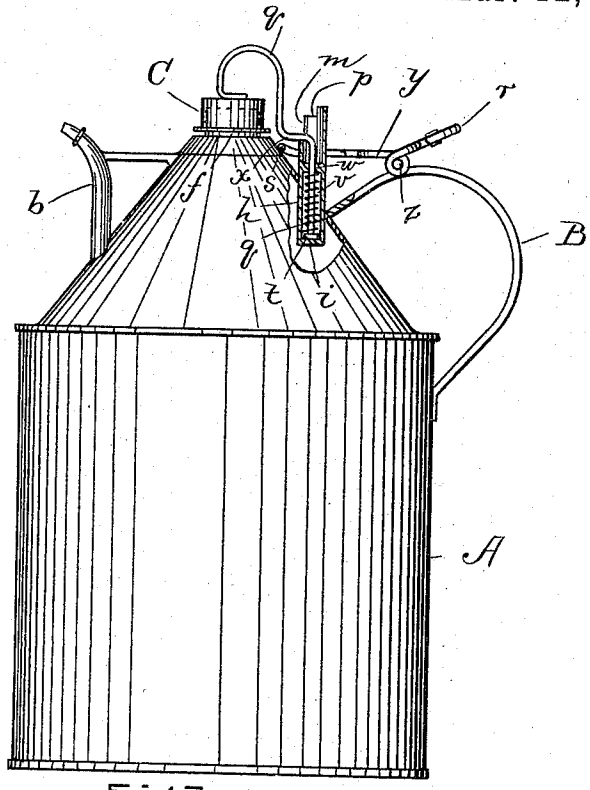

Fig. 1.

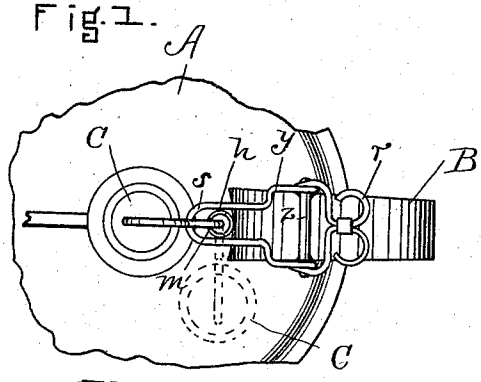

Fig. 2.

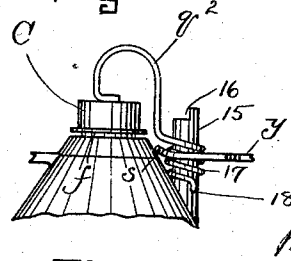

Fig. 3.

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WILLIAM FROSCH, OF BALLARD VALE, MASSACHUSETTS.

OIL-CAN.

SPECIFICATION forming part of Letters Patent No. 535,578, dated March 12, 1895.

Application filed January 2, 1895. Serial No. 533,517. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM FROSCH, of Ballard Vale, in the county of Essex, State of Massachusetts, have invented certain new and useful Improvements in Oil-Cans, of which the following is a description sufficiently full, clear, and exact to enable any person skilled in the art or science to which said invention appertains to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a side elevation of my improved oil can; Fig 2, a top plan view of the same, the body of the can being shown as broken off; and Fig. 3, an elevation illustrating a modification.

Like letters and numerals of reference indicate corresponding parts in the different figures of the drawings.

My invention relates especially to a device for operating the filler-cap of oil-cans; and it consists in certain novel features hereinafter fully set forth and claimed, the object being to produce a simple, cheap and effective article of this class.

The nature and operation of the improvement will be readily understood by those conversant with such matters from the following explanation:

In the drawings, A represents the body of the can which is provided with a handle, B, and nose, *b*, in the usual manner. Its filler nipple, *f*, is closed by the ordinary cap, C. Adjacent the handle, B, I secure in the top of the can a tube, *h*, having a closed bottom, *i*. This tube is slotted vertically in its outer end for a determined distance at *m*, and on the upper end of said tube a shoulder, *p*, is formed. An angle-rod, *q*, has one end secured to the cap, its opposite end projecting into the tube, *h*, and provided within said tube with a nut, *t*. A coiled spring, *v*, is interposed between said nut and a projection, *w*, within the tube. The off-set, *x*, of the rod, *q*, projects through the slot, *m*, in the tube. The spring, *v*, acts expansively to throw the tube downward normally holding the cap, C, in engagement with the filler-nipple, *f*. From a single strand of wire I form a lever, *y*, pivoted at *z*, to the handle, B. This lever is provided with a thumb-piece, *r*, and the wire composing the lever passes around the tube, *h*, its outer end being bent upward forming a cam, *s*, disposed below the right-angle off-set, *x*, and cap rod, *q*.

In the use of my improvement, the operator manipulates the can in the usual manner by grasping the handle, B. The thumb-piece, *r*, is then depressed driving the rod, *q*, upward against the pressure of the spring, *v*, and carrying with it the cap, C, until disengaged from the nipple, *f*, at which point the off-set, *x*, is above the mouth of the slot, *m*. The cam, *s*, inclining, as shown, now causes the rod, *q*, to rotate and the off-set, *x*, thereof to slip onto the shoulder, *p*, throwing the cap, C, laterally into the position shown by dotted lines in Fig. 2. This shoulder holds the rod against the pressure of the spring, *v*. To close the nipple, *f*, of the cap, the cap is rotated until the off-set registers with the slot, *m*, when the spring will act to drive the rod downward and engage the cap with the nipple in a manner which will be understood without a more explicit description.

In Fig. 3 a modification is shown. Instead of the tube, *h*, I employ a solid post, 15, having a shoulder, 16, on its upper end. The rod, q^2, connecting with the cap, C, has its opposite end coiled, as at 17, around said post, the extreme end of the spring thus formed being secured to said post. This is a somewhat cheaper method of making the device and when actuated by the cam the spring will act contractively and torsionally.

Having thus explained my invention, what I claim is—

1. In an oil can a slotted cylinder provided with a shoulder in combination with a spring-pulled rod fitted to slide and rotate in said cylinder; a filler nipple cap on the outer end of said rod; an offset in said rod projecting through said slot and adapted to engage said shoulder and a cam lever pivoted on said can and engaging said rod, substantially as and for the purpose set forth.

2. In an oil-can, a slotted cylinder on the can; a spring-tensioned rod fitted to slide and rotate in said cylinder; a filler-nipple cap on said rod; a lever pivotally connected to said can and adapted to elevate and rotate said rod whereby the cap is disengaged from the nipple; and devices for supporting the rod thus elevated against the pressure of the spring substantially as set forth.

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