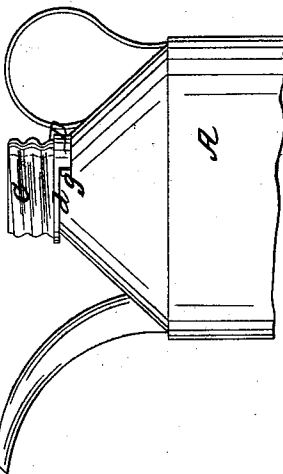


№ 76, 802.

Patented Apr. 14, 1868.



Per *Minors*
Attorneys

United States Patent Office.

JOSIAH H. NOYES, OF CENTRE ABINGTON, MASSACHUSETTS.

Letters Patent No. 76,802, dated April 14, 1868.

IMPROVEMENT IN CAPS FOR OIL-CANS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, JOSIAH H. NOYES, of Centre Abington, in the county of Plymouth, and State of Massachusetts, have invented a new and useful Improvement in Caps for Oil-Cans and other vessels; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, in which—

Figure 1 represents a side elevation of an ordinary can, with my improvement applied.

Figure 2, a sectional elevation through the line *x x*, fig. 4.

Figure 3, a plan or top view when closed.

Figure 4, a similar view when open.

Similar letters of reference indicate like parts.

The object of this invention is to provide a convenient device for opening and closing the necks or mouths of oil-cans and other vessels.

My invention consists in the combination of a revolving cap or cover with the neck and mouth of the can or vessel, the construction of my improvement being such that, when the cap is revolved in one direction, the can or vessel will be opened, and when the cap is turned in the contrary direction, the can or vessel will be closed.

A, in the drawings, represents a can of the ordinary construction. The neck B is covered on its top by a diaphragm, *a*, in which is cut an opening, *f*, through which to fill in the liquid.

On the sides of the neck a screw-thread is formed, upon which fits the cap, C, which has also a thread formed on its interior sides, corresponding with those of the neck of the can.

The cap, C, has also on its upper surface an opening, *e*, nearly corresponding with the opening *f* of the can.

Within the upper part of the cap, C, is placed a cork, rubber, or other packing, E, which is firmly secured in the cap, C, and said packing has an opening, corresponding to the openings *e f*.

The bottom part or flange D of the cap, C, is slotted or partly cut away at *d*, to allow a small pin, *g*, attached to the can A, at or near its neck, to play therein, and which has a twofold purpose: first, to prevent the cap from being turned too far either way, in opening and closing the can; second, to prevent the cap, C, from falling off while opening the can for filling in the liquids.

In opening the can or vessel for filling in the liquids or other contents, it is necessary to turn the top, C, in the direction indicated by the arrow, (fig. 3,) by which movement the opening, *e*, of the cap will come into line with that of the opening, *f*, of the diaphragm *a*, as shown in fig. 4. To close the can, the movement of the cap is simply reversed, the screw-threads serving to depress the cap, and compress the packing upon the opening, *f*, and thus seal the same, so that all leakage of gas or contents is avoided.

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

1. The construction of the revolving perforated cap, in combination with the neck of the can or other vessel, substantially as herein shown and described.

2. I also claim the combination of the sealing-packing E with the cap and the diaphragm *a*, substantially as herein shown and described.

3. I also claim the slotted flange D, in combination with the stop-pin *g*, as and for the purpose set forth.

JOSIAH H. NOYES.

Witnesses:

WM. RIPLEY,

S. A. COOMBES.