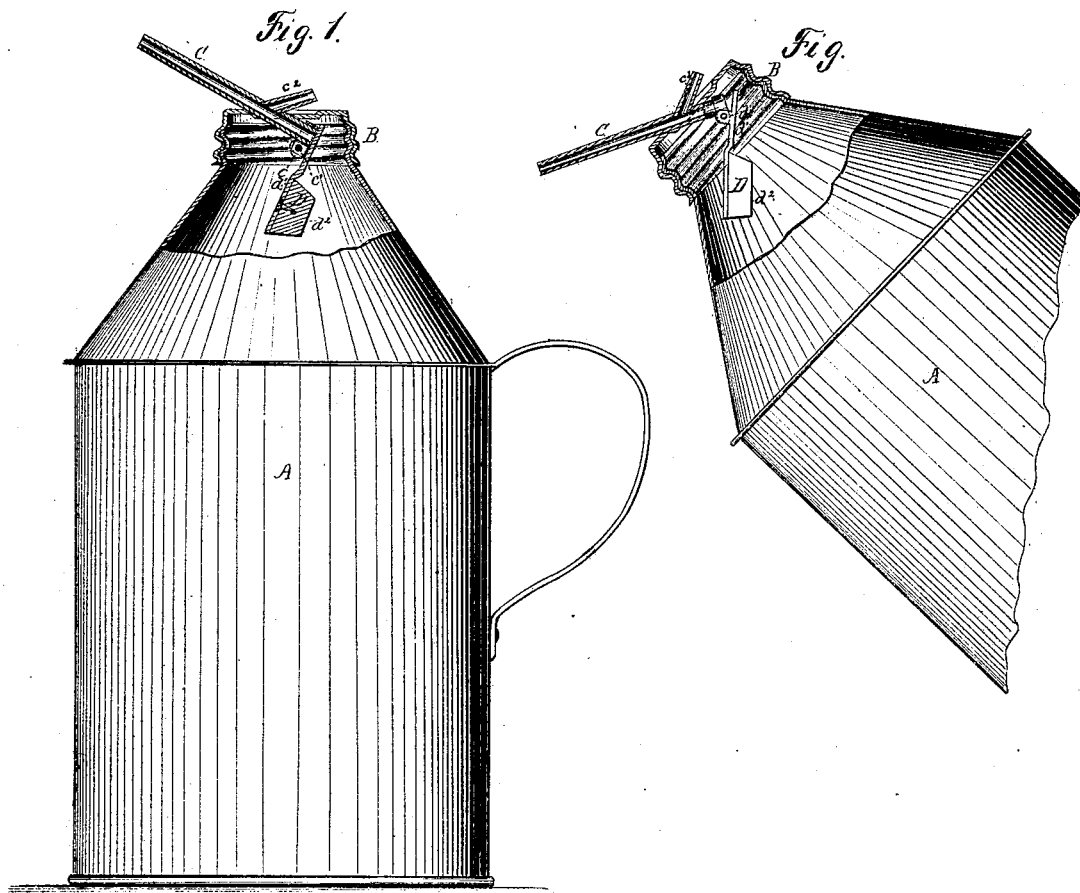


H. S. Snow,

Oil Can.

No. 110,166.

Patented Dec. 13. 1870.



Witnesses.

A. Ruppert.
J. W. Miller

Inventor.

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HEMAN S. SNOW, OF WEST MERIDEN, CONNECTICUT.

Letters Patent No. 110,166, dated December 13, 1870.

IMPROVEMENT IN SELF-ACTING VALVES OR CUT-OFFS FOR LIQUID 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, HEMAN S. SNOW, of West Meriden, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Self-acting Valves or Cut-offs for Liquid Cans; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing forming a part thereof, and in which—

Figure 1 represents a longitudinal central section of my invention which is attached to an ordinary oil-can, a portion of said can being removed so as to show its application thereto, and the position it occupies in relation to its spout or tube when the can is placed in an upright position or when the contents thereof are not being poured out or emptied; and

Figure 2 is a similar view of the same, showing the valve, which is represented in a side view and with its upper or tighter end released or thrown out from its spout, caused by decanting or tilting the can, as shown.

This invention relates to certain improvements in oil-cans or other cans or vessels for holding liquids, and from which the same is obtained through a spout or tube fastened to the top thereof, and passing through the said top with a portion of its surface projecting inwardly in an inclined position, and of sufficient length to receive a cylinder or ferrule or strap, upon which are formed perforated projections or lugs forming a bearing for the fulcrum of the valve, which consists of a sheet-metal plate, having formed on it, at a point near its upper end, right-angular perforated projections or ears, through which its axle or fulcrum passes, and supplied at its lower end with a weight constructed as hereinafter shown and described.

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

In the accompanying drawing—

A is an ordinary oil-can supplied with the top B, which is screwed thereon.

C is a tube inserted through an orifice or aperture in the top B in an inclined position, and acting in the

capacity of a spout, through which the contents of the can A may be poured out.

To the inner projecting end of the spout C is fastened a metallic strap, c, the pendent ends of which are supplied with apertures, through which passes a key or rod, c', after having first passed through the perforated right-angular projections or ears d formed on the plate d' of valve D, thereby connecting and pivoting the valve to the spout C.

D is the valve, which consists of the flat-metal plate d' formed at a point near its upper end with the right-angular perforated projections or ears d, at which points the said valve is pivoted, and of the weight d², which is screwed to the said plate d'.

The plate d' of the valve D is slightly curved at or near its center, in the manner shown in the drawing, for the purpose of allowing its loaded or weight portion to be readily relieved from the spout.

c² is a vent-tube.

It will be seen from the foregoing that, when the can is resting or standing in an upright position, the valve will close its spout by its own action, and that, when the can is tilted or decanted for the purpose of emptying its contents, or a portion thereof, as the case may be, the valve will, by means of its weighted portion and the inclination given to the can, be withdrawn from the inner end of the spout C, thereby allowing the contents of the can to enter said spout and be relieved therefrom or emptied.

Having thus described my invention,

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

A self-acting valve or cut-off, consisting of the valve D, composed of ears d, plate d', and weight d², arranged to operate substantially as set forth.

In testimony that I claim the foregoing as my invention, I have hereunto set my hand this 14th day of November, 1870, in the presence of two subscribing witnesses.

Witnesses:

J. B. BACON,
J. W. BISHOP.

HEMAN S. SNOW.