E. M. CRANDAL

Can-Vent and Stopple.

No. 164,813. Patented June 22, 1875.

Fig. 1.

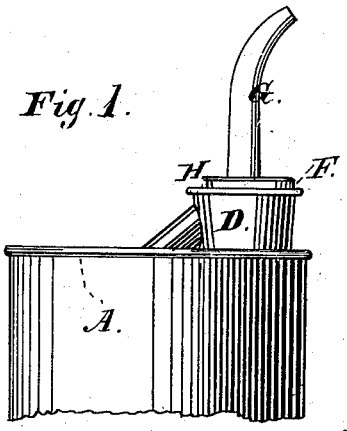


Fig. 2.

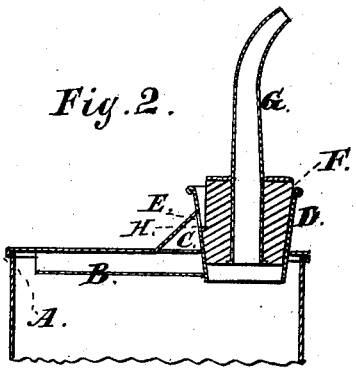
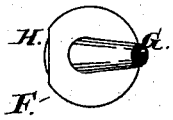


Fig. 3.

Fig. 4.



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UNITED STATES PATENT OFFICE.

EDWARD M. CRANDAL, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN CAN VENTS AND STOPPLES.

Specification forming part of Letters Patent No. **164,813**, dated June 22, 1875; application filed February 3, 1875.

To all whom it may concern:

Be it known that I, EDWARD M. CRANDAL, of Chicago, county of Cook, State of Illinois, have invented a Can Vent and Stopple, of which the following is a specification:

The object of my invention is to make a simple, cheap, and efficient vent for a can for the admission of air thereto, as its contents are being poured out, and also to provide a can with a spout-stopple, which, by being turned, opens or closes the vent, as desired.

In the annexed drawing, Figure 1 represents the side elevation of the top portion of the can. Fig. 2 represents the transverse vertical sectional view of the same, and Fig. 3 a transverse vertical sectional view, taken at right angles to the section in Fig. 2; and Fig. 4 represents a top view of the stopple detached from the can.

A represents the top of any ordinary can, and it may be a flat or a pitch top can. B represents a piece of tin, soldered to the inside of the top of the can, making an air vent or duct, opening into the can at one end, and extending through the top of the can into the chamber C, through an opening into the nozzle D, near its top, as shown at E. F is an ordinary cork-stopple, into which, through its center, the metallic spout G is securely fastened. H is a recess cut in one side of the cork-stopple, extending from its top down on its side, so that when the stopple is in place in the nozzle of the can, it reaches just below the vent-hole E.

It will be observed that, when the stopple is in position, as shown in Figs. 1 and 2, as the can is tipped to pour its contents through the spout G, the air passing down in the slot on the side of the cork, through the opening E, under the tin piece B, into the can, and thus admit of the fluid flowing freely out through the spout placed in the stopple.

When it is desired to keep the air from passing into the can by turning the stopple, the recess H is removed from the opening E in the nozzle, so that the stopple seals the opening in the side of the nozzle, as well as the nozzle itself.

I use any ordinary spout-cap to cover the end of the spout G.

Having thus fully described the construction and operation of my invention, what I claim, and desire to secure by Letters Patent, is—

The combination of the stopple F, provided with the recess H, and the opening E in the top of the nozzle, chamber C, and the tube B, substantially as and for the purpose described.

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