

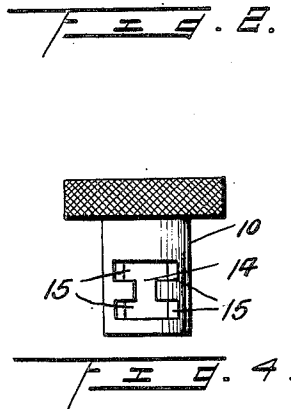
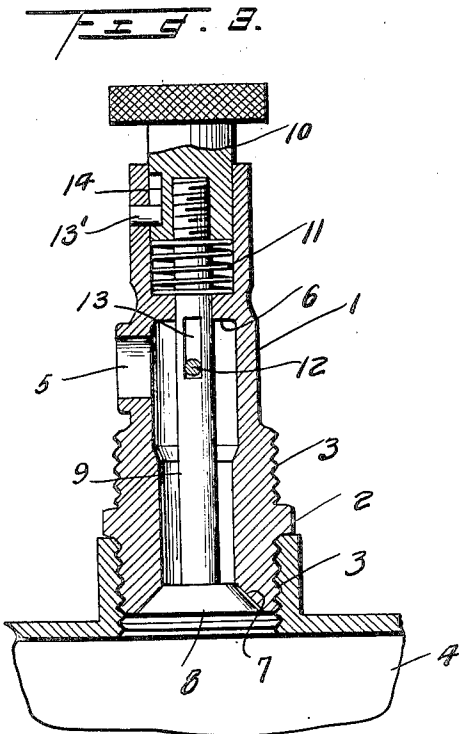
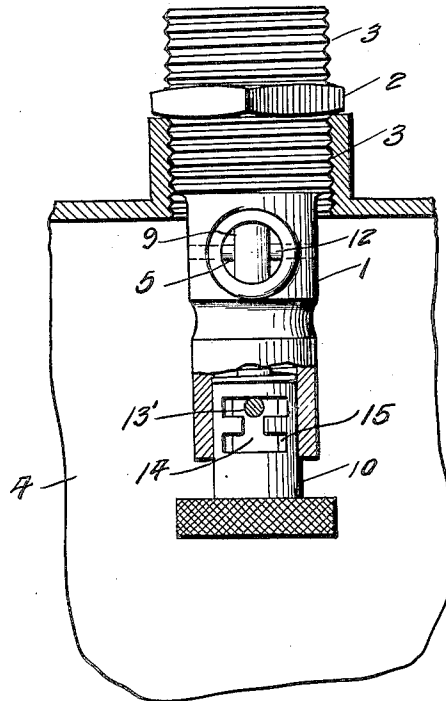
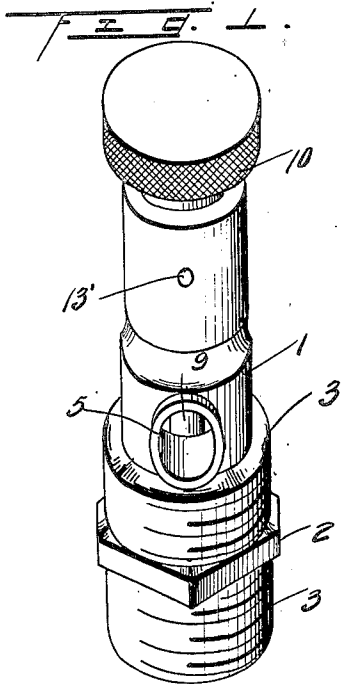
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1,463,735

H. O. VARRIEUR

COMBINED CLOSURE AND FAUCET FOR LIQUID CONTAINERS

Filed March 18, 1922



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UNITED STATES PATENT OFFICE.

HENRY OZA VARRIEUR, OF PLACERVILLE, CALIFORNIA.

COMBINED CLOSURE AND FAUCET FOR LIQUID CONTAINERS.

Application filed March 18, 1922. Serial No. 544,961.

To all whom it may concern:

Be it known that I, HENRY OZA VARRIEUR, a citizen of the United States, residing at Placerville, in the county of Eldorado and State of California, have invented certain new and useful Improvements in Combined Closures and Faucets for Liquid Containers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The invention provides a reversible nozzle for cans and other containers adapted to hold oil or other fluid to be drawn therefrom at different intervals.

The principal purpose of the invention is the provision of an article of the nature aforesaid which in one position may be used as a closure for sealing the can or container and which, when reversed, serves as a nozzle, the device embodying a valve and actuating means therefor including locking means for holding the valve unseated when required, whereby a large quantity of the liquid contents of the container may be drawn off without requiring personal attention to hold the valve unseated.

Other objects and advantages will be apparent and suggest themselves as the nature of the invention is understood.

While the drawings illustrate an embodiment of the invention, it is to be understood that in adapting the same to meet different conditions and requirements, various changes in the form, proportion and minor details of construction may be resorted to without departing from the nature of the invention.

Referring to the accompanying drawings forming a part of the application,

Figure 1 is a detail perspective view of a combined nozzle embodying the invention,

Figure 2 is a sectional detail, showing the application of the nozzle as closing means for a can or liquid container,

Figure 3 is a sectional detail of the device when adapted for use as a faucet, and

Figure 4 is a detail view of the pressure piece.

Corresponding and like parts are referred to in the following description and designated in the several views of the drawings by like reference characters.

The nozzle comprises a tubular body 1 having a polygonal portion 2 near one end

adapted to receive a wrench, spanner or like tool whereby to forcibly rotate the nozzle when coupling or uncoupling the same. The body 1 has portions adjacent and upon opposite sides of the polygonal part 2 screw threaded, as indicated at 3, whereby to make screw thread connection with a can or container 4. The nozzle is provided in a side with a discharge opening 5 for the delivery of the liquid contents of the can or container 4 when drawing off the same. An inner shoulder 6 is provided near one end of the body 1 and the opposite end is formed with a valve seat 7.

A valve 8 is adapted to close upon the seat 7 and its stem 9 extends centrally through the body 1 and is threaded into a pressure piece 10 which constitutes a button or plunger to be pressed upon. An expansible helical spring 11 is disposed between the shoulder 6 and the pressure piece 10 and normally holds the valve 8 seated. Rotation of the valve 8 is prevented by means of a pin 12 which is supported at its ends in opposite walls of the body 1 and passes through a longitudinal slot 13 formed in the stem 9.

The device thus described is adapted for use as a closure, as indicated in Figure 2, or as a faucet, as shown in Figure 3. When used as a faucet, the can or container 4 may be placed upon its side and pressure applied to the part 10 unseats the valve 8 thereby admitting of the liquid contents of the can or container passing off therefrom through the nozzle and the outlet 5 thereof. If a small quantity is desired to be drawn from the can or container, pressure is applied to the part 10. Upon removal of the pressure, the spring 11 automatically seats the valve 8. If a large quantity is to be drawn from the container 4, the valve 8 may be held unseated by means of a pin 13', which projects inwardly and engages a slot 14 in a side of the pressure piece 10, said slot 14 having lateral extensions 15 at opposite ends adapted to receive the inner end of the pin 13' when the part 10 is turned in either direction, whereby to positively hold the valve 8 seated or unseated as required. The pin 12 passing through the slot 13 holds the valve stem 9 against rotation and the pressure piece 10 is rotatable relative to the valve stem 9 to cause the lateral extensions of the pressure piece to receive the pins 13'. The rotation of the pressure piece relative to the valve stem is

permitted by the screw threaded connection between these parts.

As illustrated in Figures 2 and 3, the nozzle may be applied with either end extending within the can or container 4 and is retained in the desired position by means of a threaded portion 3 engaging a correspondingly threaded opening of the can or container as will be readily appreciated.

10 What is claimed is:

1. A combined closure and faucet comprising a hollow body having an external polygonal portion near one end, and portions adjacent and upon opposite sides of the polygonal portion externally screw threaded, and
15 provided in a side with a lateral discharge opening, a valve closing the end of the body adjacent the polygonal portion, and a pressure piece at the opposite end of the body
20 having connection with said valve to effect unseating thereof.

2. A combined nozzle of the character specified comprising a hollow body having a lateral discharge opening and provided at

one end with a valve seat, and having an inner shoulder near its opposite end and having an exterior polygonal portion and externally threaded portions adjacent and upon opposite sides of the polygonal portion, a valve for closing upon said seat
25 and having its stem extending through the body, a pin and slot connection between the stem of the valve and said body, a pressure piece having screw thread connection with the valve stem, an expansible helical spring
30 between said pressure piece and the inner shoulder of the body, and a pin and slot connection between the pressure piece and body, said slot having lateral extensions to receive the pin whereby the valve may be held
40 either in open or closed position.

In testimony whereof I affix my signature in presence of two witnesses.

HENRY OZA VARRIEUR.

Witnesses:

FRANK V. BORDWELL,
ESTHER A. MAHLER.