May 27, 1952 L. I. COLEMAN 2,598,357

LIQUID DISPENSING AND ILLUMINATING DEVICE FOR BOTTLES

Filed June 11, 1949

Fig. 1

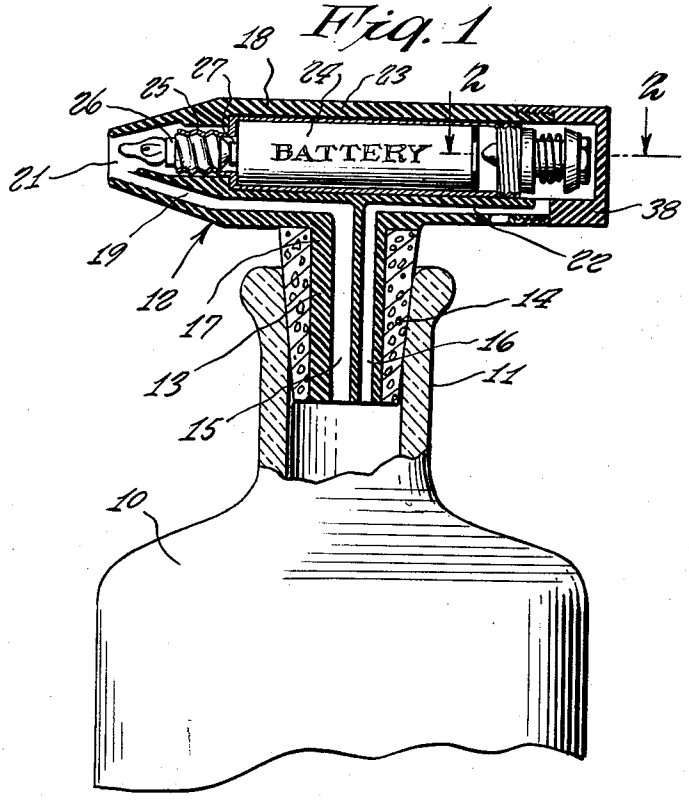


Fig. 2

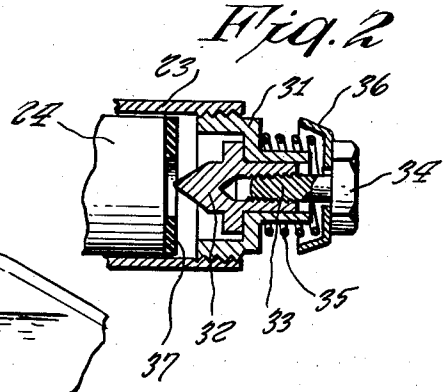
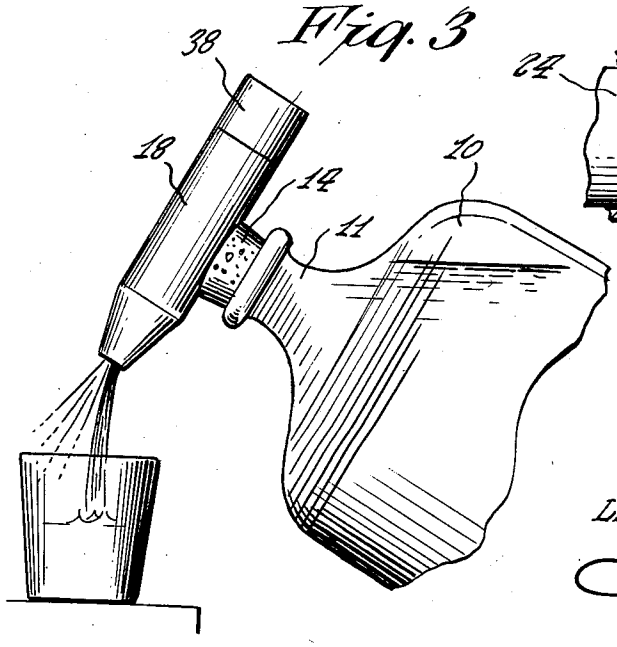


Fig. 3



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LIQUID DISPENSING AND ILLUMINATING DEVICE FOR BOTTLES

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1 Claim. (Cl. 222—113)

1

This invention relates to a liquid dispenser for bottles.

It is an object of the present invention to provide a liquid dispenser for bottles having an electric light and battery arrangement therein to direct rays of light toward the vessel receiving the liquid from the dispenser whereby the operation can be performed in the dark.

Other objects of the present invention are to provide a combined flash light and liquid stopper or dispenser which is of simple construction, inexpensive to manufacture, has a minimum number of parts, consumes little space, of pleasing appearance, convenient to use and efficient in operation.

For other objects and for a better understanding of the invention, reference may be had to the following detailed description taken in connection with the accompanying drawing, in which

Fig. 1 is an elevational view of the bottle with the combined flash light and dispenser stopper embodying the features of the present invention.

Fig. 2 is a sectional view taken on line 2—2 of Fig. 1.

Fig. 3 is an illustrative view in elevation, showing the bottle tilted in the manner to dispense liquid.

Referring now to the figures, 10 represents a bottle having the usual neck portion 11 adapted to receive my combined flash light and liquid dispenser stopper, indicated generally at 12. The stopper portion 13 having cork material 14 thereon which fits tightly into the neck portion 11 of the bottle. Extending upwardly through the stopper portion are passages 15 and 16. Within the cork material 14 is an insulating formation 17 containing the passages 15 and 16. This formation is integral with a horizontally extending hollow formation 18. The passage 15 extends through this horizontal formation as to provide a continuation thereof. The passage 15 connects with a horizontal passage 19 to lead off liquid through outlet and tapered end 21 of the horizontal portion 18. The passage 16 connects with a passage 22 to provide air for the bottle while the liquid is being dispensed through the passages 15 and 19.

Within the portion 18 is a metal casing 23 adapted to receive a battery 24. This casing has a threaded sleeve portion 25 thereon for receiving a lamp bulb 26 which will be projected toward the outlet 21.

The battery 24 has a terminal 27 engageable with the lamp bulb contact 26 at the center thereof. On the outer end of the sleeve 23 there is secured a fitting 31 having a contact element 32 spring mounted thereon. This contact element is connected to a threaded projection or shank 33 of a bolt 34. A spring 35 surrounds the fitting 31 and is held in place by a stop part 36 which bears against the head of the bolt 34. By depressing the bolt 34, the contact terminal 32 will engage the end of the battery whereby to establish a circuit connection through the same, an insulating piece or ring 37 is fixed to the end of the battery to prevent its contact with the fitting so as to establish a circuit.

2

Over the fitting 31 and the terminal parts there can be disposed a cap 38 of insulating material which can be screw threaded upon the horizontal portion 18 which will enclose these parts when the bottle is not in use.

This combined light and liquid dispenser will enable one, when in a darkened or fully lighted room, to pour liquids from a bottle or container into a glass or other container without the hazard of spilling or overflow. It can be made to fit almost any size of bottle or jug.

The cap will have been removed and the plunger or terminal pressed to close the electric circuit before the actual pouring operation of the liquid is effected. Upon release of the terminal plunger, the light will be extinguished.

While various changes may be made in the detail construction, it shall be understood that such changes shall be within the spirit and scope of the present invention as defined by the appended claim.

Having thus set forth and disclosed the nature of my invention, what is claimed is:

A combined flashlight and bottle liquid dispenser comprising a stopper adapted to fit the neck of the bottle, a dispensing member comprising a horizontal and a vertical portion, the latter passing through the stopper, and said horizontal portion having a large central chamber open at one end and extending from said open end to the other end, said portions having air and liquid passages, one of the passages extending upwardly through the vertical portion and forwardly through the horizontal portion towards the open end of said center chamber, a metal casing disposed in the center opening of the horizontal portion and having a threaded portion disposed adjacent to the open end of said center chamber and adapted to receive a lamp bulb, the latter being inserted into said threaded projection and extending outwardly thereof into the open end of said center chamber, said center chamber forming a mouth adjacent its open end and said

liquid passage of the horizontal portion as well as said lamp bulb extending into said mouth of said center chamber whereby rays of light will be directed through the mouth and said open end through which the liquid is dispensed, said metal casing being internally threaded at its opposite end, a battery slidable in said casing and having a terminal adapted to engage with the lamp bulb whereby to establish an electric circuit therethrough, depressible means connected to the threaded end of the metal casing and operable to engage the battery and to slide the same into engagement with the lamp bulb, said other passage being adapted to direct air to the top of the liquid in the bottle extending upwardly through the

stopper portion and rearwardly along the horizontal portion.

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