

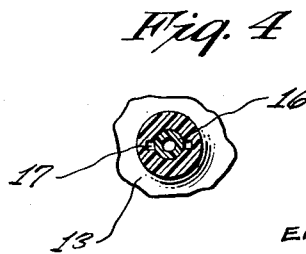
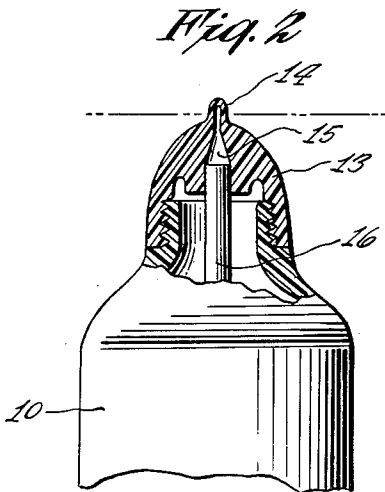
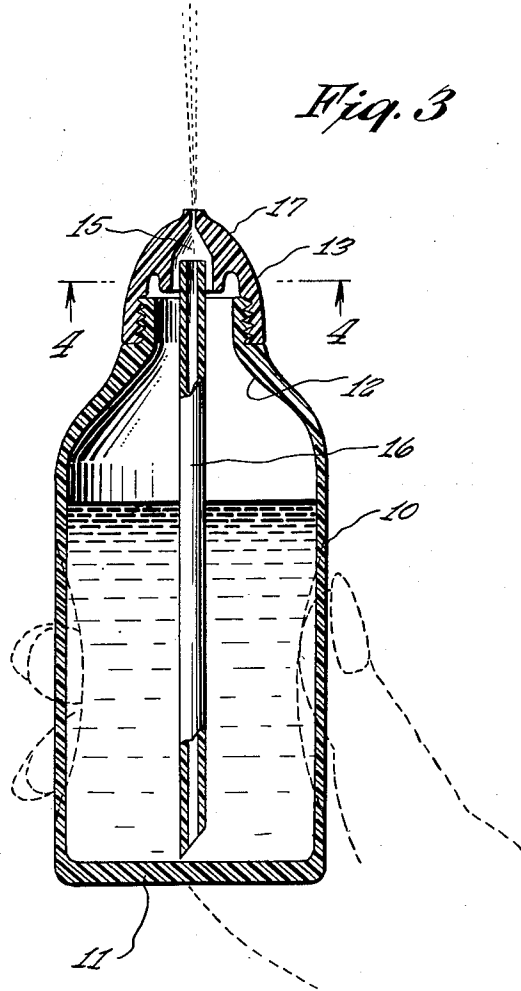
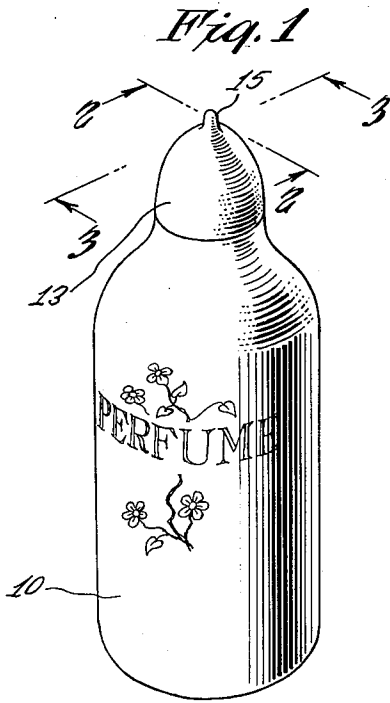
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2,631,064

ATOMIZING DISPENSER

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ATOMIZING DISPENSER

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1 Claim. (Cl. 299—90)

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This invention relates to an atomizing container for perfume and the like liquids.

It is an object of the present invention to provide an atomizing container formed of a bottle made of resilient and flexible material and having a neck portion adapted to receive a head containing a tube which extends downwardly into the bottle to receive the perfume and the head being so formed as to permit the inflow of air to the top of the perfume and the outflow of air to effect the atomizing action upon the perfume and wherein the head is normally formed with a small nipple formation closing the orifice.

Other objects of the present invention are to provide an atomizing container which is suitable for dispensing perfume and the like and formed of resilient and flexible material, which is of simple construction, inexpensive to manufacture, of pleasing appearance, easy to operate, 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 a perspective view of the perfume bottle with the head thereon and the nipple protruding from the head.

Fig. 2 is an elevational view, in section, taken through the head, and on line 2—2 of Fig. 1.

Fig. 3 is a sectional view, in elevation, taken on line 3—3 of Fig. 1.

Fig. 4 is a transverse sectional view of the head taken on line 4—4 of Fig. 3.

Referring now to the figures, 10 represents a bottle having a closed bottom 11 and formed of resilient and flexible material so that the bottle after being squeezed will automatically resume its original shape. The material is preferably polyethylene, but may be of any other suitable material which is resistant proof to perfume. The upper end of the bottle has a neck formation 12 with threads thereon adapted to receive in a fluid tight manner, a head 13 also formed of the same material as the bottle. On this head 13 is a nipple formation 14 which closes an orifice 15 into which is extended a tube 16 that passes downwardly into the bottom of the bottle to receive and convey liquid upwardly as the bottle is squeezed.

When the bottle is to be put into use, the tip 14 is removed to expose the orifice 15. Recesses 17 are provided in the head 13 to permit the flow of air to the bottle and over the perfume

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and also the outward flow of the air to effect an atomizing action upon the perfume being lifted through the tube 16 and delivered to the orifice 15.

It will be apparent that there has been provided an effective perfume container which is of simple construction and wherein the container itself may be squeezed to effect the atomizing action of the perfume through the head contained upon the neck portion of the bottle.

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.

I claim:

An atomizing container comprising a bottle formed of resilient flexible material and having a closed bottom, said bottle having a neck portion formed to receive a closure cap, said closure cap being removably secured to the neck portion in a fluid tight manner, said cap having a nipple portion and an orifice disposed beneath the nipple portion whereupon the bottle may be sealed through the orifice for the purpose of transport and whereupon a severing of the nipple the orifice will be exposed, the orifice continuing downwardly into an expanded conical bore, said bore terminating into a cylindrical and open-ended bore, a tube extending downwardly from and held in said cylindrical bore and proceeding into the bottom of the bottle, said cylindrical bore having passages communicating externally of the tube with the top of the bottle whereby air may be received by the bottle and extended by the bottle to effect atomizing action of the liquid lifted by the tube.

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REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
553,765	Ruppolt	Jan. 28, 1896
630,277	Weitling	Aug. 1, 1899
679,436	Sonn	July 30, 1901
905,296	De Vilbiss	Dec. 1, 1908
911,646	Cook et al.	Feb. 9, 1909
1,655,678	Dorment	Jan. 10, 1928
1,739,288	Brown	Dec. 10, 1929
2,571,921	Morris	Oct. 16, 1951