

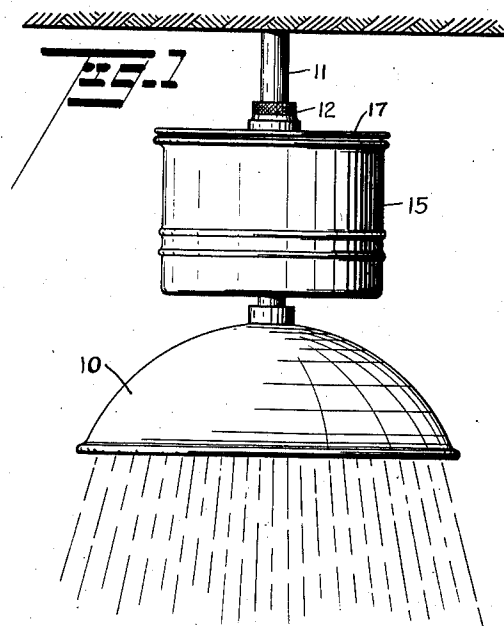
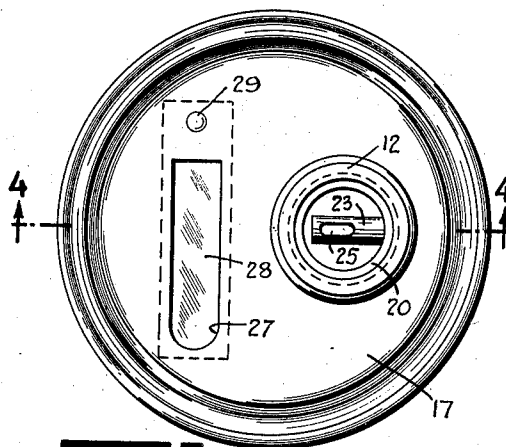
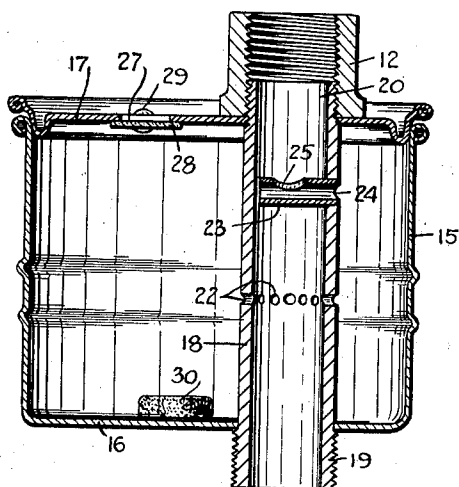
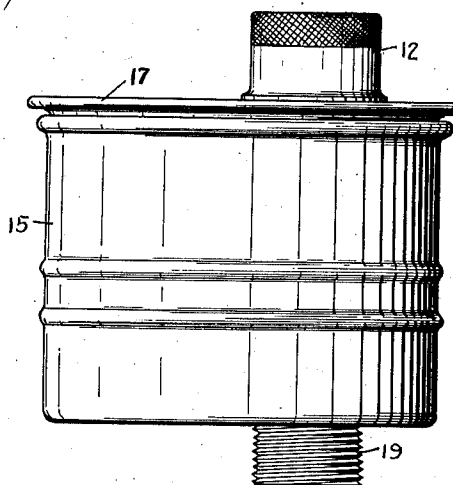
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MIXER FOR DELIQUESCENT BATH SPRAY TABLETS

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MIXER FOR DELIQUESCENT BATH SPRAY
TABLETS

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3 Claims. (Cl. 299—84)

This invention relates to apparatus in which a deliquescent substance is slowly dissipated in a liquid.

Such devices are used in bathrooms, sick rooms, and other places where it is desired to impart a fragrant odor, or a medicated atmosphere, and more particularly to bath sprays whereby they are rendered more pleasurable or healthful due to the incorporation of antiseptics, perfumes or medicaments.

An object of the invention is to provide a container attachable to a liquid supply, as a water pipe, and having therein a lozenge shaped block, cake, or tablet of the substance selected to purify, perfume or medicate the bath.

A further feature is in the provision of a container having a normally closed passage through which may be inserted the tablet without opening the container, the same being closed by a removable cover, permitting access, when it is desired to cleanse the interior.

Another purpose is to produce a liquid disseminating container, provided with means whereby the tablet is exposed to turbulent liquid and slowly liquified, causing its fragrance to be dispensed through openings therein to the liquid stream.

A still further object is to provide a container for this purpose of neat appearance, inexpensive to produce, and easily installed.

These several objects are accomplished by the novel construction and arrangement of few and simple parts hereinafter described and illustrated in the accompanying drawing, forming an essential component of this disclosure, and in which—

Figure 1 is a side elevational view showing the preferred type of installation and purpose of the invention.

Figure 2 is a top plan view of the container.

Figure 3 is a side elevation view of the same.

Figure 4 is a longitudinal section view taken on line 4—4 of Figure 2.

Referring in greater detail to the drawing, the numeral 10 designates a conventional type of spray head, here shown as suspended from above by a pipe 11, connected with a water supply.

The apparatus consists of a hollow container 15 cylindrical in form, stiffened by ornamental beading as indicated. Its bottom 16, may be integral with the side wall, at the beaded top of which is a removable cover 17.

Fixed in the bottom 16 is a tube 18, its enlarged lower portion 19 threaded to engage with

the spray head 10, while the upper reduced portion 20 of the tube is suited to connect with the suspending supply pipe 11 having a coupling 12 by which to clamp the cover in position.

It is to be noted that the tube 18 is offset from the axis of the container and extends through the cover plate 17.

In the midway portion of this tube are a series of small perforations 22, discharging liquid and causing a turbulent condition therein, while in the upper portion, but well below the cover 17, is inserted a small transverse duct 23, open at one of its ends 24 to the container and having in its upper side an orifice 25.

The cover 17 has an elongated slot 27 provided with an internal resilient flap cover 28, preferably of transparent material, secured by a rivet 29.

The cover of the slotted opening 27 is depressed upon the insertion of a tablet or cake 30 of the material used, which rests upon the bottom, as shown best in Figure 4.

In operation the device having been assembled as indicated in Figure 1 the water flows through the tube 18, a portion entering the duct 23, through the orifice 25, to be discharged at its open end 24, partially filling the container 15; thence to reenter the tube 18 through the minute perforations 20 in a charged condition so that the water will be perfumed or medicated by the immersed tablet, as it is slowly dissolved, and mixed with the outflow to be dispensed by the spray head 10; the cover 17 preventing splashing of the liquid solution.

It will be understood that the tablets are composed of substances having medicinal properties, such as an antiseptic, menthol shampooing preparations, etc., or solidified perfumes to impart a pleasant and agreeable odor to the bath spray, eventually emanating from the head 10; the device, therefore, will be agreeable both for individual baths and for hospital use.

Although the foregoing is generally descriptive of the best known embodiment of the invention, it will be understood that various modifications may be made within the scope of the invention as denoted by the appended claims.

Having thus described the invention and set forth the manner of its use, what is claimed as new and sought to secure by Letters Patent, is:

1. A mixer for deliquescent tablets for bath sprays, comprising a container, a tube fixed longitudinally in said container to extend there-through, its upper end connected with a supply

pipe and its lower end with a spray head, said tube having a plurality of perforations in the enclosed lower portion, a duct set transversely in said tube, said duct having an orifice in its wall, a cover for said container having a passageway through which a tablet may be passed, resilient means to normally close said passageway and means on said tube to clamp said cover on said container.

10 2. A mixer for deliquescent tablets for bath sprays, an open topped cylindrical container, a cover engageable thereover, a tube set in the bottom wall of said container extending therebelow to engage a spray head and above said cover to connect a supply pipe, means adjustable on said tube to clamp said cover said tube offset from the axis of the container and provided with a plurality of fine perforations, a duct passing transversely through the wall of said tube and open to the container above the perforations, said duct having an orifice in its upper surface, a slot in said cover to admit a tablet into the

container, and a resilient flap of transparent material normally covering said slot from its under side.

3. A mixer for deliquescent tablets for bath sprays comprising a cup-shaped container, a tube fixed in the bottom wall of said container connecting between a supporting supply pipe and a pendant spray head, the axis of said tube eccentric to the axis of the container, said tube having a multiplicity of lateral ports adapted to cause movement of the liquid within the container, a duct set transversely in said tube to receive liquid at its open top therefrom, said duct being open at its end adjacent the closest portion of the side wall of the container, a tight fitting splash preventing cover on said container, said cover having an elongated slot remote from said tube, a transparent plate resiliently mounted on the inner side of said cover to the slot and means carried by said tube to clamp said cover on said container.

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