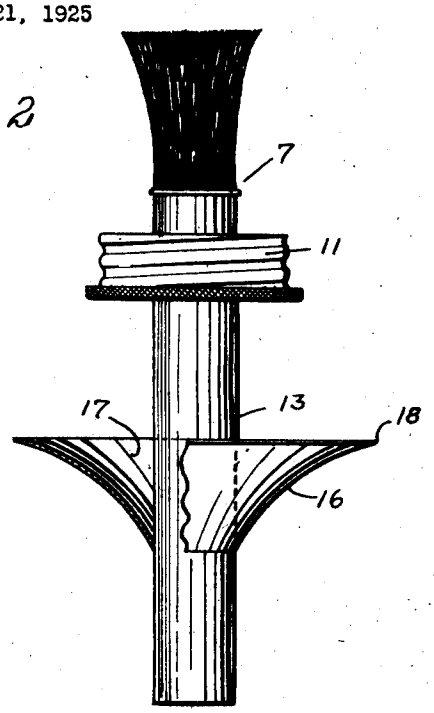
Feb. 28, 1928. 1,660,969

W. H. LANGSTON

LIQUID CONTAINING AND APPLYING MEANS

Filed April 21, 1925

Fig. 2



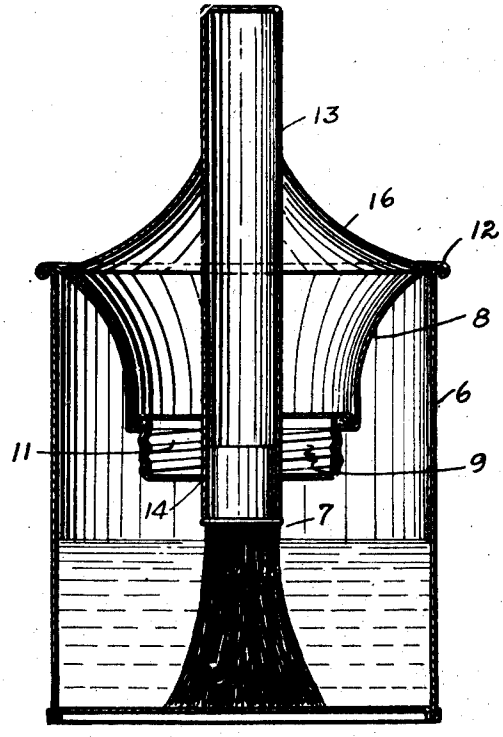


Fig. 1

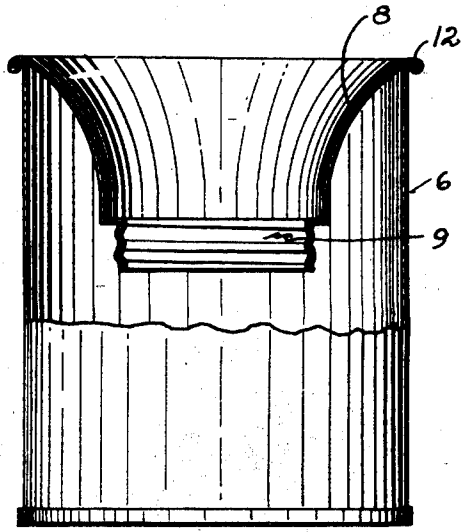


Fig. 3

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UNITED STATES PATENT OFFICE.

WILLIAM H. LANGSTON, OF OAKLAND, CALIFORNIA.

LIQUID CONTAINING AND APPLYING MEANS.

Application filed April 21, 1925. Serial No. 24,891.

My invention relates to a container for paint or the like having associated therewith a liquid applying means which provides a closure for the container.

An object of the invention is to provide a device of the character described in which a trap member carried by the applying means is arranged to catch and hold any drip from the applying means when the latter is held in an inverted position, and so protect the hand of the user.

Another object of the invention is to provide a device of the character described in which the trap member is also arranged to serve as a dust cover for the container when the brush is inserted therein.

A further object of the invention is to provide a container and a liquid applying means arranged to cooperate to provide a sealed receptacle for a liquid.

The invention possesses other objects and features of advantage, some of which, with the foregoing, will be set forth in the following description of the preferred form of my invention which is illustrated in the drawings accompanying and forming part of the specification. It is to be understood that I do not limit myself to the showing made by the said drawings and description, as I may adopt variations of the preferred form within the scope of my invention as set forth in the claims.

Referring to said drawings:

Figure 1 is a side sectional view of the assembled device of my invention.

Figure 2 is a side view, partly in section, of the liquid applying portion of the device in inverted position.

Figure 3 is a side view, partly in section, of the liquid containing portion of the device.

As illustrated in the drawings, the device of my invention comprises a liquid container 6 and a brush 7 for use in applying liquid therefrom. The container 6 is here shown in the form of a cylindrical can having the top 8 thereof provided with a threaded opening 9 in which a correspondingly threaded cover 11, preferably of considerably less diameter than that of the can, is arranged to be engaged. In the present embodiment, the can top 8 is inclined conically inwardly from the top edge 12 of the can to cause the positioning of the opening 9 considerably below the plane of the edge 12 with the result that a structure results which will prevent spilling of the contents of the can when tipped on its side, even though it be filled to the level of the bottom of the opening 9, which would, of course, be the limiting filling height. Furthermore, the surfaces of the top portion 8 provide a convenient wiping surface for the brush as it is removed from the can, the liquid expelled therefrom running downwardly and back into the can, so that none of the expelled liquid escapes over the can edge, as in the usual type of can. It will be noted that the top is preferably, and as here shown, of outwardly curved section, which facilitates the brush wiping operation and increases the capacity of the can adjacent its top.

To keep the brush moistened with the liquid which it is used to apply is the most convenient and best possible means of preserving it in usable condition, and accordingly, the handle 13 of the brush 7 is here shown fixed in a perforation 14 provided in the cover 11, the bristles of the brush being arranged to extend to the bottom of the can when the cover is screwed into place, and the handle extending outwardly therefrom beyond the can edge. In this manner, it will now be noted, the cover may be conveniently screwed into or out of the opening 9 by twisting the handle 13 in an appropriate direction, so that the necessity for direct handling of the cover is eliminated, and the brush is satisfactorily stored in a manner to best preserve it. As here shown, the brush is removably mounted in the handle so that it may be readily replaced without involving a replacement of other parts. it being obvious that it might be directly mounted on the cover without departing from the spirit of my invention.

Since a brush must frequently be used in inverted positions with the result that the liquid thereon tends to fall onto the hands and clothing of the user, means are provided for catching such drip and holding it for return to the container. As here shown, such means comprises a trap member 16 preferably fixed to and encircling the brush handle and of generally conical shape, with a cavity 17 defined therein opening toward the bristle end of the brush, so that liquid falling from the brush and striking the member 16 will be trapped therein and the user will thus be protected. The member 16 is preferably provided with a circular edge 18 of slightly smaller diameter than

that of the top of the can, so that when the brush is inserted in the can, the trapped liquid from the cavity will be caught by the can top and be conducted down its sloping side to the opening 14 and thence into the interior of the can. It will now be noted that the outer surface of the member 16 will, when the brush is in the can, serve as a dust shield therefor. The member 16 is preferably so positioned on the handle that when the cover 11 is screwed down to seal the can, the edge 18 thereof will tightly engage the top 9 and thus provide a most desirable secondary sealing of the can.

It will now be noted that the device of my invention would prove of particular value to plumbers, electricians, or other mechanics who have occasion to use a brush only intermittently, as in wiping joints, and thus have particular need of a brush kept wet with the liquid to be applied. Also, since mechanics must frequently work in awkward positions, the protection from drip when the brush is inverted is of vital importance. Furthermore, the non-spillable features of the container of my invention make it particularly adapted for use by such mechanics and for carrying it in a mechanic's tool box since it may be safely placed in any position in which it will fit. And since placing the brush in the can automatically provides a dust cover therefor, possible contamination of the liquid is reduced to a minimum.

I claim:

1. A liquid containing and applying means comprising a container having the top thereof sloping downwardly to a centrally disposed opening provided therein, a brush having a handle extending therefrom, a cover for said container arranged to operatively engage in said opening and provided with a perforation extending transversely therethrough and in which said brush handle is arranged to be fixed, and a liquid trap carried on said handle outwardly of said cover and arranged to intercept liquid falling from said brush when said brush is in inverted position, the edges of said trap being arranged to lie within the area of the top of said container when said cover is operatively positioned thereon.

2. A device of the character described comprising a liquid container provided with a cover, a brush and a handle extending from opposite sides of said cover, and a liquid trap fixed on the extending end of said handle outwardly of said cover and provided with a cavity encircling said handle and opening toward said cover, the edges of said trap being arranged to lie within the area of the top of said container when said cover is operatively positioned thereon.

3. A device of the character described comprising a cylindrical liquid container provided with a cover, a brush fixed to said cover, a handle fixed to and extending from said cover on the opposite side from said brush, and a conical trap surrounding said handle outwardly of and opening toward said cover.

4. A device of the character described comprising a cylindrical container having the top thereof sloping downwardly to an opening provided therein, a cover arranged to engage said opening, a brush fixed to a side of said cover, a handle fixed to and extending from said cover on the opposite side from said brush, a conical trap mounted on and surrounding said handle outwardly of and opening toward said cover and of less diameter than said container, the peripheral edge of said trap being arranged to be disposed closely adjacent the surface of said top when said cover is engaged in said top opening.

In testimony whereof, I have hereunto set my hand this 8th day of April, 1925.

WILLIAM H. LANGSTON.