An applicator for use with a container having a neck comprising a fitting disposed in the neck and a cap having a brush extending through the fitting. The fitting includes a conical slitted portion which wipingly engages a tapered shank and a brush to remove excess fluid therefrom.

1 Claim, 4 Drawing Figures
DRIPLESS BRUSH APPLICATOR CONSTRUCTION

This invention relates to a dripless brush applicator for use in application of correction fluid and the like.

In the past, various brush-type applicators have been provided for applying various types of pigments, lacquers, paints, correction fluid and the like.

These brush-type applicators employ brushes which extend into the liquid. Usually the liquid is relatively quick drying when exposed to air and substantial quantities of the liquid gather on the shank of the applicator and on the brush so that not only is there the possibility of liquid dripping in an undesirable manner, but too much liquid is usually left on the brush for careful application, and substantial quantities of the liquid are wasted by pouring on the shank of the brush.

The concept of this invention is to employ a fitting which is inserted in the neck of the container and wipingly engages both the tapered shank of the brush and the bristles to wipe all of the liquid from the shank and excess fluid from the bristles so that an accurate marking for obliterator errors can be obtained through the use of this device.

Still further objects and features of this invention reside in the provision of a dripless brush applicator which is simple in construction, which is capable of being used with various existing formulations of correction liquid, and like lacquers, yet which is simple in construction and manufacture and inexpensive to produce so as to permit wide use and distribution.

These, together with the various ancillary objects and features of this invention, will become apparent as the following description proceeds, are attained by this dripless brush applicator, a preferred embodiment of which is illustrated in the accompanying drawing, by way of example only, wherein:

FIG. 1 is an exploded sectional view of the dripless brush applicator constructed in accordance with the concepts of the present invention;

FIG. 2 is a bottom plan view of the fitting looking in the direction of line 2—2 in FIG. 1;

FIG. 3 is a vertical sectional view of the invention shown in an assembled condition; and,

FIG. 4 is a view similar to FIG. 3, but showing the manner of operation of the device as the cap is being removed.

With continuing reference to the accompanying drawing, wherein like reference numerals designate similar parts throughout the various views, reference numeral 10 generally designates a container formed of glass or the like having a neck 12 provided with external threads 14 thereon. The container 10 is preferably formed with a firm base and is adapted to be filled with a correction liquid 16 or similar lacquer which is relatively quick drying. The neck 14 terminates in a mouth 18 forming a shoulder 20.

A fitting, generally indicated at 22, is provided and includes a cylindrical portion 24 having a downwardly and inwardly tapering truncated conical portion 26 integral therewith. Also integral with the cylindrical portion at the top thereof is a peripheral flange 28 which is adapted to engage the shoulder 20 when the fitting 22 is force fitted in the neck. The cylindrical portion 24 clampingly engages the inside of the neck 12. The conical portion 26 has four annularly spaced slits 30 therein which extend substantially or a little more than half way the height of the truncated conical portion 26 so that when in engagement with said shank the uppermost portion of the conical portion is forced against the neck.

A cap, generally indicated at 34, is provided which includes a cylindrical portion 36 having internal threads 38 adapted to readily engage the threads 14 and a top portion 40 having a dependent cylindrical portion 42 extending downwardly therefrom. The cap 34 further includes a shank 44 integral with or detachably secured to the cylindrical portion 42. The shank 44 is downwardly and inwardly tapered. Affixed to the lower end 46 of the shank 44 are a plurality of bristles 48 forming a brush.

After the fitting 22 has been force fitted in the neck 12, the cap is inserted through the fitting 22 and thread ed on the neck 12. The shank 44 and the bristles 48 extend into the fluid 16. When it is desired to withdraw the brush from the container, it is merely necessary to unscrew the cap and lift the cap. The inner diameter of the tapered conical portion is of less diameter than the smallest diameter of said shank 44 and the bristles 48 so that it will wipe the shank 44 entire clean from liquid, while removing excess fluid from the bristles so that the brush will be in a position for effective operation and use such as marking out typewritten characters and the like.

A latitude of modification, substitution and change is intended in the foregoing disclosure, and in some instances, some features of this invention may be employed without a corresponding use of other features.

We claim:

1. An applicator comprising a fluid container having a neck provided with external threads and provided with a mouth forming a shoulder, a fitting disposed in said neck, said fitting including a cylindrical portion force fitted in said neck and a downwardly and inwardly extending resilient truncated conical portion, a cap threadedly removable disposed on said neck, a downwardly and inwardly tapered shank depending from said cap and extending through said fitting, bristles on the lower end of said shank forming a brush, said conical portion having a circular opening of less internal diameter than the smallest diameter of said shank and being engageable with said bristles to wipe said shank clean of fluid while removing excess material from said brush when said cap is moved from said container, said conical portion having four annularly equally spaced slits therein forming a plurality of wiper blades, said slits extending substantially only half the height of said conical portion so that when said wiper blades are in engagement with said shank the uppermost part of said conical portion is additionally forced against said neck to further clampingly hold said fitting in said neck.

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