

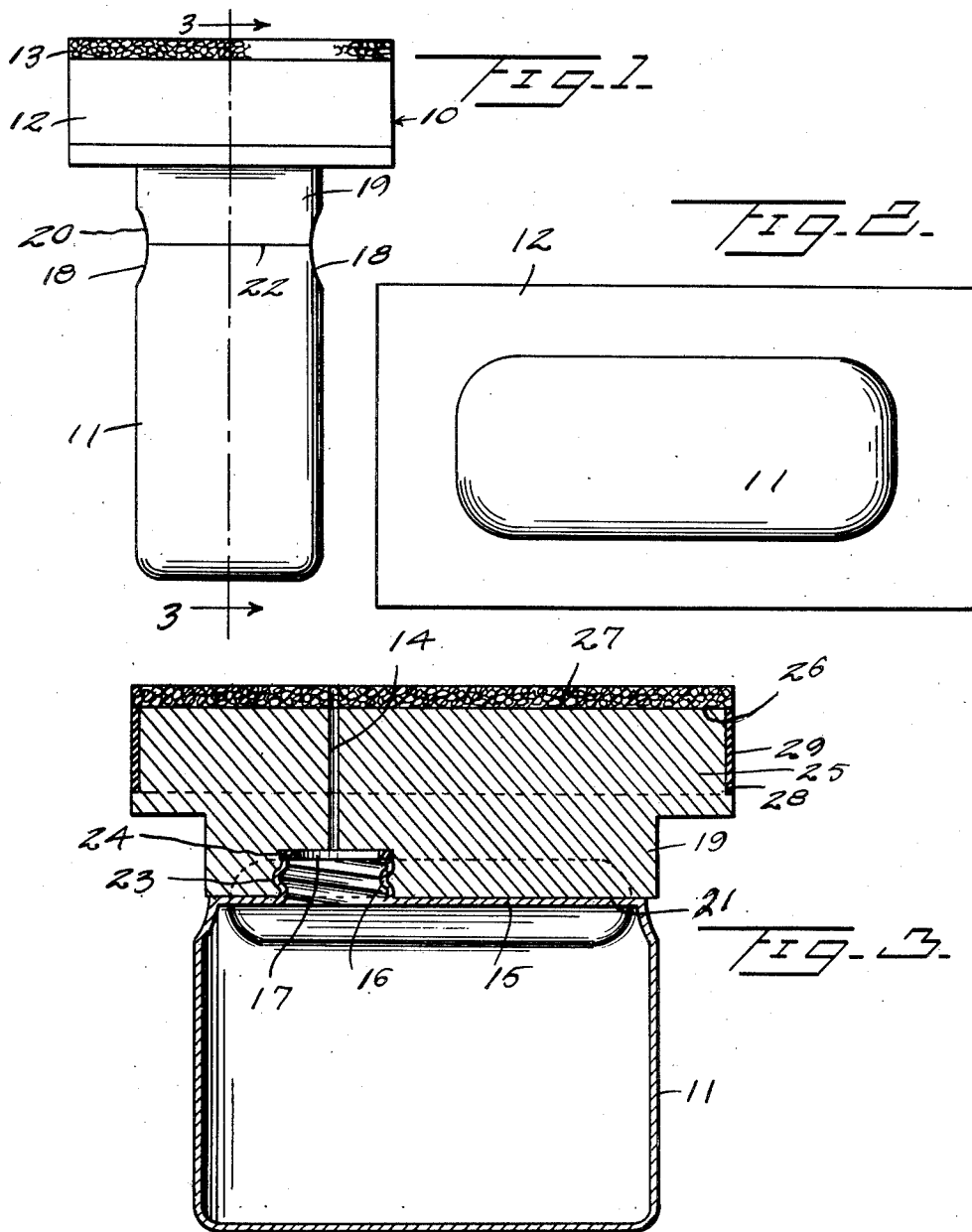
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H. W. DECKER

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RESILIENT RESERVOIR WITH APPLICATOR CLOSURE

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INVENTOR

H.W. Decker

BY

BY *Kimmel & Crowell*
ATTORNEYS

ATTORNEYS

UNITED STATES PATENT OFFICE

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RESILIENT RESERVOIR WITH APPLICATOR
CLOSURE

Howard William Decker, Batesville, Ind.

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1 Claim. (Cl. 15—136)

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This invention relates to applicators and more particularly a device having a liquid reservoir combined with a sponge rubber cleaning pad.

It is among the objects and purposes of this invention to provide a convenient means of supplying a cleaning liquid direct to a sponge-like pad having a flat cleaning surface disposed from a reservoir.

A further object is to provide a combination liquid dispensing cleaning unit ready for instant use.

A still further object is to provide a hand unit workable as a squeeze-squirt fluid applicator of cleaning fluid for cleaning automobile windshields, windows and the like as a one hand operation.

Other objects and purposes than those stated will become apparent upon an understanding of the invention had from the following description taken in conjunction with the drawing in which like numerals refer to like parts in the different views.

In the drawing:

Figure 1 is an end elevation of the present invention.

Figure 2 is a bottom plan view.

Figure 3 is a section taken on line 3—3 of Figure 1.

Referring now in detail to the drawing the applicator of this invention is shown generally by the numeral 10. The applicator 10 is comprised of a liquid reservoir or container 11 suitably secured to a mount block or plate 12 having a sponge rubber pad 13 attached to the upper surface thereof with a duct or passage 14 formed in the mount block and the pad for conducting fluid from the container to and outwardly of the pad. The container 11 is formed of suitable material such as metal or plastic capable of being compressed sufficiently in the hand of the user to effect "oil can" propulsion of a liquid therefrom through passage 14. The applicator 10 is well suited for use with different kinds of cleaning liquids such as an emulsified cleaning fluid, water or the like. At the top 15 of the container 11 is provided a neck 16 opening upwardly as at 17. The sides of the container 11 are preferably provided with depressed side areas 18 extending lengthwise of the container and spaced downwardly from the top 15 as finger grips for the fingers of a user of my device with the container placed in the palm of the user's hand.

The block or base 12 is preferably formed in one piece from suitable material such as plastic

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with a bottom portion 19 of approximately the same length and width as the container 11 and provided with side depressions as at 20 to conform with the container depressions 18 to allow more space for the user's fingers. The position of these depressions also allow the user to move his fingers onto the block for non-squeezing holding of the container when sufficient fluids has been propelled outwardly of the pad 13. The underside 21 of the portion 19 is formed to fit in close engagement with the top 15 of the container 11 at a common juncture line 22 with the neck 16 of the container inserted in a socket 23 formed in portion 19 and extending upwardly from the common juncture line 22. A liquid seal between the neck 16 and the block 12 is provided by a suitable gasket 24 seated in the socket 23. The top portion 25 of the block 12 is formed generally rectangular to any suitable size convenient of handling and has a flat upper surface 26 spaced above the container 11 to which is adhesively attached the flat undersurface 27 of pad 13 formed of sponge rubber or other highly porous material capable of dispersion of a fluid throughout its body on the pump-like action attained when the sponge is squeezed against the surface to be cleaned. Extending through the block 25 and opening outwardly of the pad 13 is a fluid passage 14 extending from the container neck receiving socket 23. The sponge rubber pad 13 is formed with a planar top surface terminating in straight outer edges with square corners which facilitates cleaning close to the edges of a framed glass which is to be cleaned. The outer surface of the block 25 is formed with a peripheral countersunk portion 28 in which is adhesively secured a bumper strip 29 formed of rubber or like resilient material to prevent injury in case the applicator 10 should strike against the window frame or similar structure spaced above the glass surface engaged by the pad 13.

The operation of my applicator is very simple. The container 11 is filled with a suitable cleaning fluid such as emulsified window cleaning solution and is then ready for use. Before using, the operator merely squeezes the side of the container 11 to force the liquid therein into passage 14 and on to the surface to be cleaned. The sponge pad 13 acts as a spreader and also absorbs any excess fluid preventing waste or spillage of fluid.

Although I have shown and described my invention in detail, it will be appreciated that certain changes, alterations, modifications and sub-

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stitutions can be made without departing from the spirit and scope of the invention as defined by the claim.

I claim:

In an applicator having a reservoir having flexible compressible sides and depressed side areas for application of hand pressure, a threaded pouring neck for said reservoir, a base threadedly attached to said neck having a plane surfaced portion spaced from the reservoir, the spacing means comprising a reduced portion of said base coinciding in area with the area of the top of said reservoir and having depressed side areas coinciding with said first-mentioned depressed side area, said first and second mentioned depressed side areas forming a finger grip when said reservoir is in the palm of the hand, a sealing gasket between said neck and said base, a sponge rubber pad attached to the plane surface, a tubular conduit extending from the reservoir through the base to the sponge for transmission of liquid.

HOWARD WILLIAM DECKER.

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