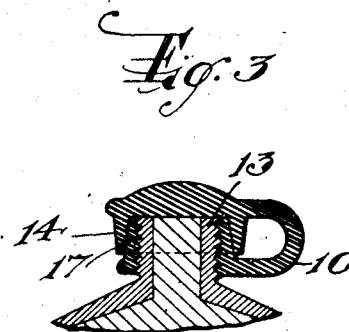
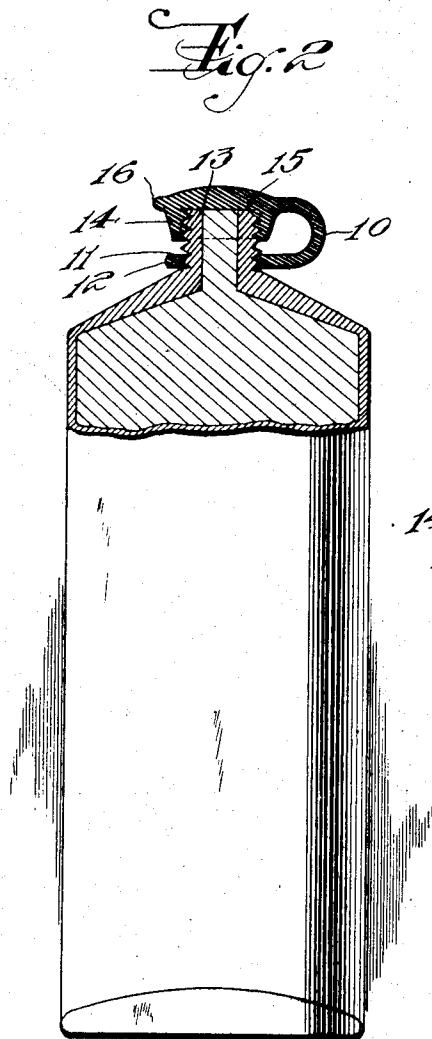
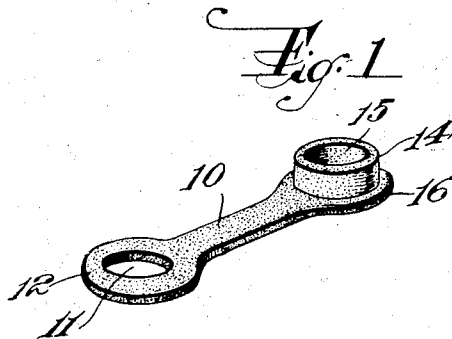


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W. J. SNYDER
CLOSURE FOR RECEPTACLES
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CLOSURE FOR RECEPTACLES.

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This invention relates to an improved closure for receptacles and while it may be adapted for various forms of receptacles and applicable to bottles, it is particularly designed for such articles as require a frequent removal of the cap or cork, such as collapsible tubes.

The article is designed to replace the permanent closure after purchase and can be operated quickly and easily, as is desirable when using tooth cleaning or shaving materials, in which case it is convenient to have a device that can be closed or opened with one hand.

The device embodies a cup-like closure which can be pressed over the outlet end such as the threaded cap of the collapsible tube and is readily removed without turning it and when the device is open the closure is held attached to the article.

The invention is illustrated in the accompanying drawing in which Figure 1 is a perspective view of the closure embodying my invention. Figure 2 is a section of the closure shown in Figure 1, the collapsible tube being illustrated, the top part of which is shown in section, and Figure 3 is a section of a modified form of construction.

The closure is fastened to the receptacle by a suitable connection and the embodiment illustrated comprises a band 10 which is made of flexible material and I prefer to use an elastic material such as rubber, one end of which is attached to the receptacle.

In the case of a collapsible tube, the attaching end is formed by providing an opening 11 in one end which enables the washer-like tab 12 which fits over the neck 13 or any other desirable part of the receptacle, the end being held in place by its own elasticity as will be evident from Figure 2, to firmly grasp the neck 13 and thus firmly hold the closure in position. The ready attachment and removal of this end of the tab will be apparent.

The other end of the band 10 consists of a cup-like closure 14 with a recess 15 which, having relatively thin walls and being made of flexible material, can be readily pushed down the finger so that the walls fit down over the outside of the outlet portion and by the resiliency of the material make a tight closure.

In the case of a threaded neck as at 13, it is not necessary to turn the cup-like closure in as the resiliency of the material

enables the wall 14 to pass down over the threads and then the material also has enough resiliency to project slightly into the recessed parts of the threads to make the closure tight enough to prevent leakage under ordinary use.

The extension or collar 16 on the base of the cup-like closure is desirable because it can be used for pulling the closure from the neck 13 when the device is to be opened and when made of soft rubber the thumb can be employed alone to force the closure from the neck 13.

It will be evident that slight modifications can be made in the structure without departing from the scope of the invention.

When rubber is employed for making the closure, which is of one piece, the rubber is stiff enough so that the band 10 holds the cup-like end approximately horizontal when it is released from the neck of the receptacle so that it is readily accessible to the thumb of the hand that is holding the tube and all that has to be done is to press the thumb upward and then over to set the closure in its sealing or closing position as shown in Figure 2.

As shown in Figure 3, the device can be modified to an extent to form the collar that embraces the neck of the tube so that it is of substantial height to form the neck 17, the outside surface of which is adapted to engage and frictionally hold the wall 14 of the cup-like closure.

I claim:

1. A closure for receptacles comprising a rubber strip with a perforated enlargement on one end and a socket on the other end, the socket having walls that are stiff enough to receive and hold the threaded end of a receptacle.

2. A one-piece closure for receptacles comprising a flexible band with one end formed with a circular opening of such size to embrace the top part of a paste tube and to be resiliently retained thereon and having a resilient socket on the other end so that when the band is flexed the socket functions as a closure for the tube.

3. A closure for receptacles comprising a band with a perforation on one end and a socket on the other end, the parts being made of one piece of elastic material.

In testimony whereof I affix my signature.

WILLIAM J. SNYDER.