T. J. SEARCY.

MUCILAGE BOTTLE AND BRUSH.

APPLICATION FILED JAN. 26, 1916.

1,193,433.

Patented Aug. 1, 1916.

Fig. 1.

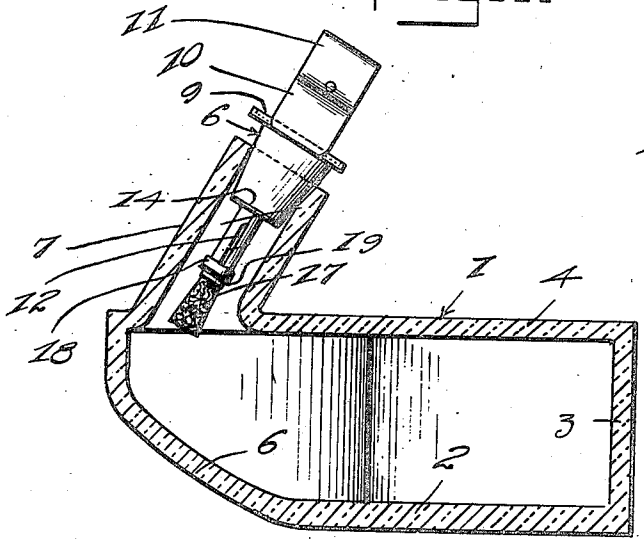


Fig. 3.

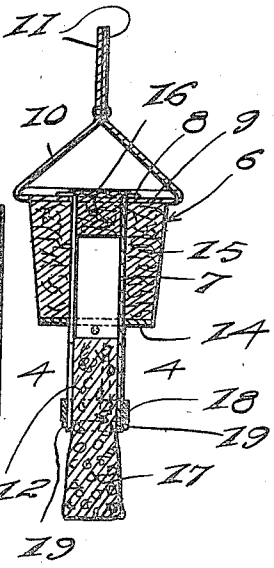


Fig. 2.

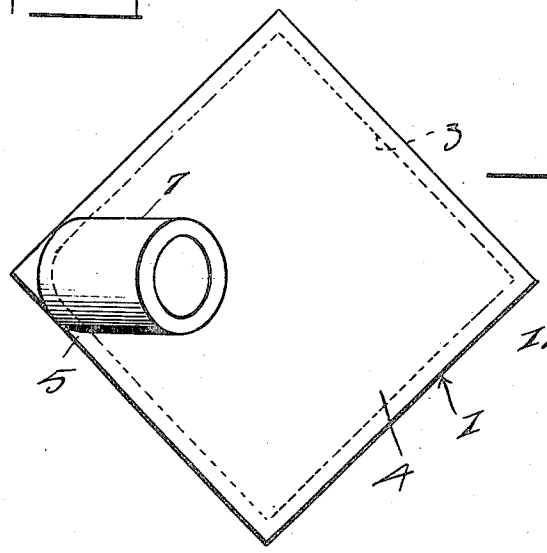
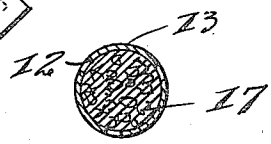


Fig. 4.



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MUCILAGE BOTTLE AND BRUSH.

1,193,433. Specification of Letters Patent. Patented Aug. 1, 1916.

Application filed January 26, 1916. Serial No. 74,431.

To all whom it may concern:

Be it known that I, THOMAS J. SEARCY, a citizen of the United States, residing at Madison, in the county of Monroe and State of Missouri, have invented certain new and useful Improvements in Mucilage Bottles and Brushes; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to new and useful improvements in mucilage bottles and brushes and the principal object of the invention is to provide a device which is adapted to prevent the mucilage from evaporating and the brush from becoming stiff and otherwise unserviceable.

A further object of the invention is to provide a novel form of mucilage spreader having a removable brush so that in event that one of the brushes becomes useless another may be substituted therefor without necessitating the throwing away of the entire stopper.

With these and other objects in view, the invention consists in the novel combination and arrangement of parts which will be fully set forth in the following specification and accompanying drawings, in which:—

Figure 1 is a transverse sectional view through a mucilage bottle constructed in accordance with this invention. Fig. 2 is a top plan view of the mucilage bottle. Fig. 3 is a vertical sectional view on an enlarged scale showing the details of construction of the device and Fig. 4 is a transverse sectional view on line 4—4 of Fig. 3.

Referring to the drawings, the numeral 1 designates as an entirety the mucilage container or bottle comprising a bottom wall 2 having the side walls 3 formed at its edges. A suitable top 4 is provided and formed in one corner of the top is an opening surrounding which is the upwardly and inwardly extending neck or stem 5. The bottom wall 2 of the same corner is curved upwardly as at 6 to form a rocker so that the bottle may be tilted backwardly to cause the liquid to engage and moisten the brush.

The stopper for the bottle is designated generally by the numeral 6 and comprises the central tubular stem 7, the upper edge of which flanges outwardly as at 8 and projects through the disk 9 having formed integral therewith the upwardly and inwardly extending arms 10 which terminate in the thumb pieces 11 by means of which the stopper may be placed in position or removed from the bottle. The lower end of the tube 7 is provided with a plurality of spaced slots 12 which extend inwardly from the end thereof and form fingers 13 for engaging and holding the mucilage brush in place. A suitable opening is formed transversely in the cylinder 7 at a point slightly above the upper terminals of the slots 12 and a cotter pin extends through said opening and holds the disk 14 in place. The space between the disks 9 and 14 is filled by a suitable stopper or cork or similar material designated by the numeral 15 which tapers and is of a size sufficient to fit within the neck 5 as clearly shown in Fig. 1. In order to prevent air from entering the bottle and causing the liquid therein to evaporate the tube 7 is provided at its upper end with a suitable stopper 16 of any desired material and it will thus be seen that the air cannot enter the bottle through the tube.

The mucilage brush is designated by the numeral 17 and comprises a piece of sponge or any other suitable material which is adapted to be clamped between the fingers 13 and in order to hold said brush in place a suitable ring 18 is slidably mounted over said fingers so that when the same is forced downwardly the fingers will be compressed around the brush to tightly hold the same and prevent its displacement. In order to limit the downward movement of the ring 18 suitable stops 19 are formed on the fingers and it will thus be seen that the ring cannot be pushed entirely off of the end thereof.

From the foregoing it will be apparent that a particularly simple and efficient stopper is provided for mucilage bottles which also carries a suitable brush and due to the fact that the brush and mucilage will be protected against the influence of the air it will be seen that the brush will at all times retain its flexibility, and should it at any time become unfit for use a new brush may be substituted without throwing away the entire stopper.

While in the foregoing there has been shown and described the preferred embodiment of this invention, it is to be understood that such changes may be made in the combination and arrangement of parts as will fall within the spirit and scope of the appended claims.

What is claimed is:—

1. In combination with a mucilage bottle, a stopper comprising a tubular core, a disk secured to one end of the core, a cork surrounding the core immediately beneath the disk and extending to a point substantially midway of the core, means to retain the cork in its place, spring fingers formed at the lower end of the core and a brush adapted to be held in place by the spring fingers.

2. In a stopper for mucilage bottles, a cylindrical core, a disk secured to the upper end of the core, a finger hold formed integral with the disk, a cork surrounding the core immediately beneath the disk to form a stopper, said cork extending to a point midway of the core, means to hold the cork in place, a closure within the upper end of the core, spring fingers forming the lower end of the core, a brush adapted to be held in place in the core by the spring fingers, and a ring surrounding the core and adapted to be slid downwardly on the spring fingers to force them into engagement with the brush.

In testimony whereof I affix my signature in presence of two witnesses.

THOMAS J. SEARCY.

Witnesses:
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JOE. M. FORSYTH.