

(No Model.)

C. M. HIGGINS.
BOTTLE FOR MUCILAGE, &c.

No. 471,003.

Patented Mar. 15, 1892.

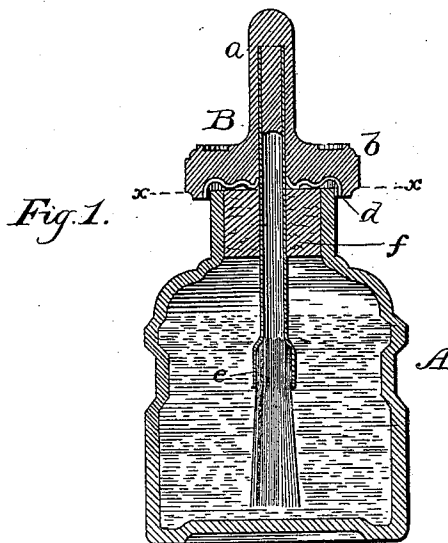
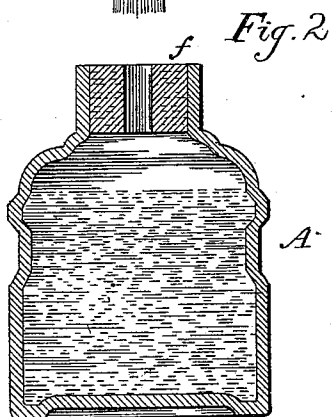
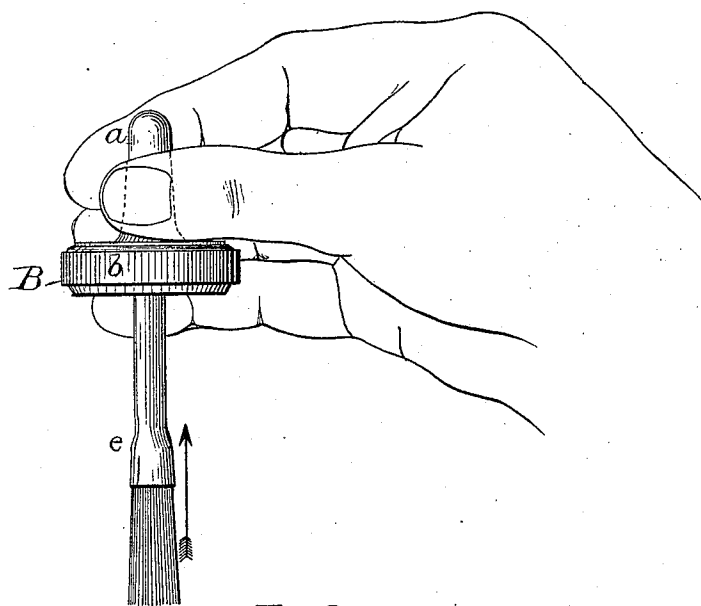


Fig. 5.

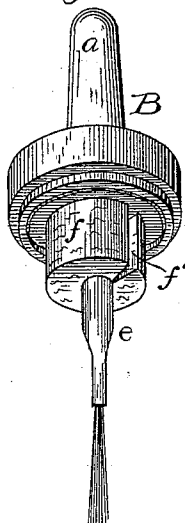


Fig. 3.

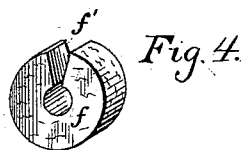
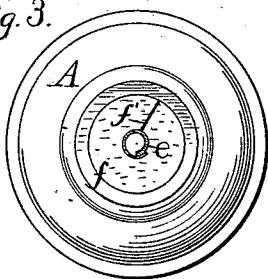


Fig. 4.

Witnesses
Thos. S. Robertson.
W. E. Sandaniel

Inventor
Charles M. Higgins
By T. W. Robertson
Attorney

UNITED STATES PATENT OFFICE.

CHARLES M. HIGGINS, OF BROOKLYN, NEW YORK.

BOTTLE FOR MUCILAGE, &c.

SPECIFICATION forming part of Letters Patent No. 471,003, dated March 15, 1892.

Application filed August 29, 1887. Serial No. 248,136. (No model.)

To all whom it may concern:

Be it known that I, CHARLES M. HIGGINS, of Brooklyn, Kings county, New York, have invented certain new and useful Improvements in Bottles for Mucilage and other Liquids, of which the following is a specification.

My invention relates more especially to the putting up of bottles of mucilage for transportation and sale—such bottles as are usually furnished with capped brushes to cover the mouth of the bottle and apply the mucilage. Heretofore the bottles have been corked tightly with a solid cork in the ordinary way and the brushes are furnished separate or detached from the bottles to be afterward placed in the bottle when the cork is removed, and these corked bottles, with the detached brushes, are usually packed in sawdust in boxes or cases.

Now the object of my invention is to furnish the bottles tightly corked with the capped brushes attached or inserted therein when the bottles are presented for sale. By this means separate packing of brushes and bottles is obviated and each package is complete in itself for the use of the purchaser and is presented thereto in a much more convenient and salable form. To this end I provide each bottle with a brush having an external handle and a cap to cover the mouth of the bottle, with an underlying brush-stem projecting into the bottle, while the neck of each bottle is tightly closed by a split or perforated cork unattached to the brush, but tightly embracing the stem thereof. By this system the bottle becomes tightly closed with the brush therein, but unattached to the cork, so that the bottle is easily opened for use by first pulling the brush up out of the cork and then removing the cork from the neck and replacing the brush therein after the cork is thrown away.

My invention therefore consists in the features above outlined, as hereinafter fully set forth and claimed.

In the accompanying drawings, Figure 1 represents a vertical central section of a bottle having my improvement. Fig. 2 is a section of the corked bottle with the brush shown pulled out preparatory to preparing the bottle for use. Fig. 3 is a sectional plan on x , x ,

Fig. 1. Fig. 4 is a perspective view of the split cork, and Fig. 5 is a perspective view of the brush with the cork slipped thereon preparatory to forcing it into the bottle when putting up the packages.

In putting up my improved packages the bottles A, as seen in Figs. 1 and 2, are first filled with the mucilage or other liquid in the usual way. Brushes are then provided to go with the bottles, as shown at B, which may be of any suitable kind, having a handle and cap. I prefer to provide brushes of an improved design and construction, claimed in pending application, Serial No. 243,334, filed July 5, 1887, and illustrated in the drawings annexed, having a tapering handle a and cap b , formed of solid resinous compound, cast on the tin cap d and tin brush-stem e , as best seen in Fig. 1; but any other suitable capped brush may be used. I also provide corks f , (shown best in Figs. 3, 4, and 5,) which are a tight fit for the necks of the bottles and are also perforated at the center with a hole which is a tight fit for the stem of the brush. These corks may be divided into diametrical halves, but are preferably split on one side of the hole only by a radial cleft f' , running into the central hole, and this split cork is then slipped sideways over the stem of the brush, so as to spring the brush into the central hole, after which the cork is slid up close under the cap of the brush, as seen in Fig. 5. The corked brush is then inserted in the neck of the bottle, as seen in Fig. 1, so that the cap snugly overlies the neck, while the cork is tightly compressed into the neck and also around the stem of the brush, at the same time closing the split of the cork firmly together, as will be understood from Fig. 3, thereby corking the bottle tightly, preventing leakage of the contents at any of the joints between the cork, brush, or bottle, and yet firmly holding the brush in proper position in the bottle, while yet the cork is entirely unattached to the brush.

When the purchaser desires to use the contents of the bottle, he will seize the brush by the handle and pull it up out of the bottle, as in Fig. 2, the brush thus slipping out of the perforated cork, which will usually remain in the neck of the bottle. The cork

may then be readily removed from the neck
by a small pry of any kind, no cork-screw be-
ing required, as the central perforation in the
cork and the radial cleft will admit of its
5 easy removal by any simple instrument—
such as a penholder, pencil, knife-blade, nail,
&c.—which is a very convenient advantage
of this feature. The cork being thus re-
10 moved and thrown away, the brush may then
be replaced in the bottle, and the bottle and
brush will be then ready for use in the ordi-
nary way on the desk or table. It will there-
fore be seen that this method renders the
15 easier operation than is the case where solid
corks are used in the common way.

Varnish, liquid glue, and other liquids may
of course be put up in the same manner as
mucilage.

What I claim as my invention is—

1. The combination of the bottle A and the
brush B, having an external cap and handle
and internal stem, with the unattached cork
f, embracing the brush-stem and fitting the
neck of the bottle, substantially as and for 25
the purpose set forth.

2. The combination of the bottle A and the
brush B, having external cap and internal
stem, with the unattached cork f, perforated
and split to admit the brush-stem and tightly 30
embracing the same and fitting the neck of
the bottle, substantially as and for the pur-
pose set forth.

CHAS. M. HIGGINS.

Witnesses:

JNO. E. GAVIN,
JOHN BECKER.