

W. J. SCHILLING.

MUCILAGE-HOLDER

No. 174,383.

Patented March 7, 1876.

Fig 1.

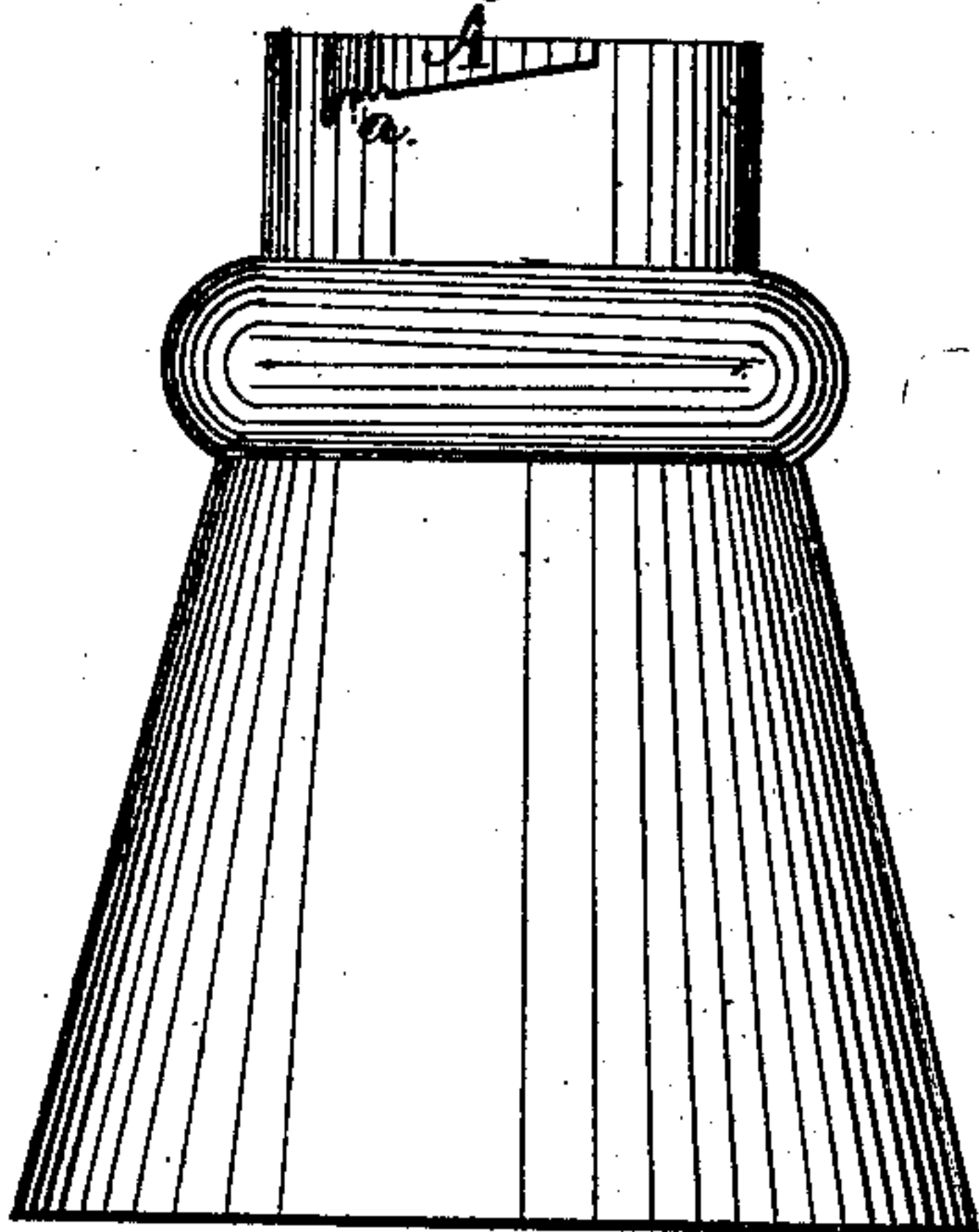


Fig 2.

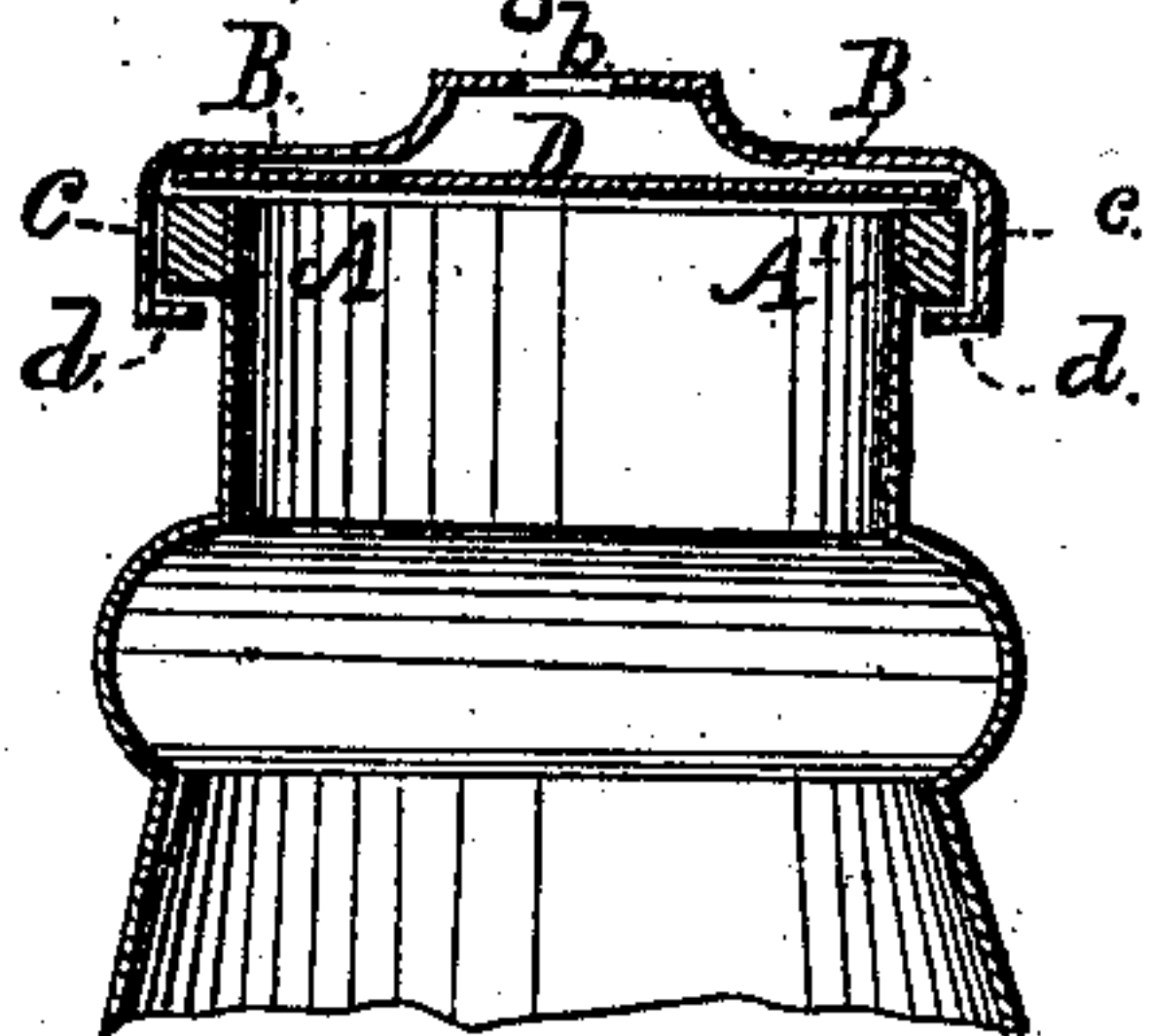
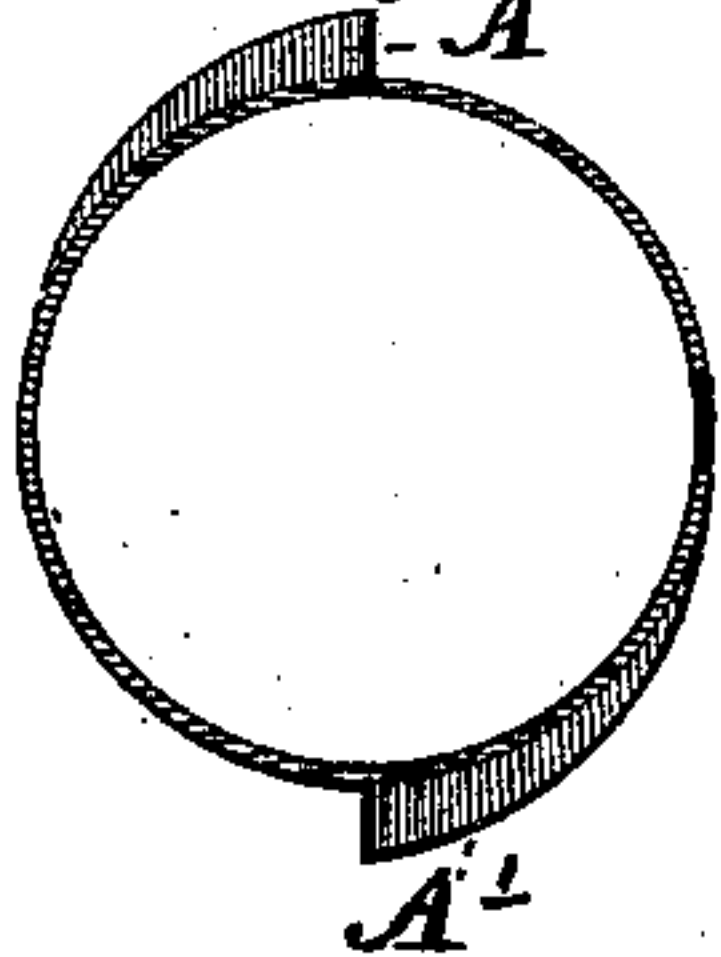


Fig 3.



Witnesses;  
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# UNITED STATES PATENT OFFICE.

WILLIAM J. SCHILLING, OF EAST NEW YORK, N. Y.

## IMPROVEMENT IN MUCILAGE-HOLDERS.

Specification forming part of Letters Patent No. **174,383**, dated March 7, 1876; application filed July 6, 1875.

*To all whom it may concern:*

Be it known that I, WILLIAM J. SCHILLING, of East New York, county of Kings and State of New York, have invented an Improvement in Mucilage-Bottles and Covers, of which the following is a specification:

This invention relates to that class of mucilage-bottles so commonly and extensively used in offices, counting-rooms, stores, &c. The object sought is to obviate the use of corks in preparing the bottles for shipment, and to facilitate the packing of the same into cases by reducing the required space one-half from that now demanded.

The invention consists in so forming the top of the mucilage-bottle that the metallic cover is readily affixed thereto and held in place, but is also easily removed when desired. The cap or cover is provided on its interior with a lining or inner cap of water-proof felting or suitable elastic fabric, and is so arranged that, when attached to the mucilage-bottle, it hugs it tightly, pressing the water-proof cap closely to its top, thus preventing any leakage and obviating any necessity for the use of a cork, the adaptation, construction, and operation of all of which will be fully pointed out and described.

In the drawings, which form a part of this specification, Figure 1 is an elevation of an ordinary mucilage-bottle, showing a portion of my invention as applied thereto. Fig. 2 is a vertical section of a mucilage-bottle in which is embodied my invention, and Fig. 3 is a plan view of the top of a mucilage-bottle such as is illustrated in Fig. 1.

Similar letters of reference will indicate corresponding parts.

The furnishing of mucilage, prepared glue, and other similar substances for office and general use has grown into a business of vast proportions. Many objections are found to exist in the present methods of preparation of the same for the market. As now arranged for shipment these bottles, after filling, require the use of a cork to retain their contents until required for use. An ornamental metal cover, provided with a hole at the center, through which the brush is inserted, is also furnished, this cover and brush to be applied and used after the cork is removed from the

bottle. In packing for transportation, the covers and brushes require separate packing, or, rather, in consequence of being detached from the bottle, require additional packing room, thus increasing the cost of packing-cases.

By my improved plan of preparing the covers and bottles I do away with the use of corks entirely, and supply the bottles with the metal cover in its proper position. This not only saves the cost of the corks, but it at once adds to the appearance of the bottle, and consequently increases its merchantable value. The brushes only require separate packing, and, being small, they can be readily placed in the spaces between the bottles, without increasing the size of the packing-case.

In carrying out my invention, I form on the outer circumference of the bottle, at its top, two or more inclined projecting lugs, A and A', of the shape shown plainly in Figs. 1 and 3. At the rear end of these projections I form corrugations or grooves, as shown at *a* in Fig. 1, for the purpose of acting as stops, as will be more fully explained. I make use of the ordinary ornamental cover, stamped from brass or other sheet metal, and provided with a hole at the center, through which the brush is inserted.

In Fig. 2, B represents a section of the cover as applied to the bottle. *b* represents the hole for the brush. This cover usually has a flange, *c*, projecting below its top, for the purpose of retaining it on top of the bottle. In stamping out this cover I form two or more narrow lips, *d d*, projecting from and below the flange *c*. It is also turned or bent inwardly toward the bottle, as shown in Fig. 2. D represents an inner covering, for closing the mouth of the bottle, in lieu of the usual cork. This cover may be cut from any of the water-proof feltings, or any suitable elastic material, as may be deemed best for the purpose.

It is obvious that by placing the cover B over the top of the bottle, with the lips *d d* between the projections A and A' on the bottle, and turning the cover to the right, the lips *d d* will follow the inclined surface of the projections A A', hugging tightly to them as their width increases, until the corrugations *a* are reached, by means of which they are held in



place and prevented from slipping. The cover is readily removed by a reverse movement when the contents of the bottle are desired for use.

It will be seen that the peculiar inclined shapes of the projections A and A' are such that the cover is drawn down upon the felting D, pressing it tightly to the top of the bottle, as well as to cause it to cling securely to such projections, as hereinbefore described.

This method of securing the metal cover will prevent any liability to loss of the contents by upsetting the bottle, and will also, to a great extent, preserve the contents from evaporation, as the cover can always be fastened into place when the brush is not being used.

The usual handle and brush are inserted as in the ordinary mucilage-bottles, and can pass through the felting or elastic covering, thus making the opening through the metal cover almost air-tight.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent, is—

In a mucilage-bottle, the combination, with the metal cover B, having the opening *b* in its center, and provided with the lips *d d*, projecting inwardly from the flange *c*. and the projecting lugs A and A' on the neck of the bottle, of the water-proof cover or packing D, by means of which the contents of the bottle are prevented from leaking or escaping from the opening *b* in the cover, the whole combined, arranged, and operating substantially as herein shown and set forth.

In testimony whereof I have hereunto set my hand this 1st day of July, A. D. 1875.

WILLIAM J. SCHILLING.

Witnesses:

A. L. MUNSON,  
E. G. WARD.