

E. H. GROVER.
MUCILAGE HOLDER.

No. 184,776.

Patented Nov. 28, 1876.

Fig. 1.

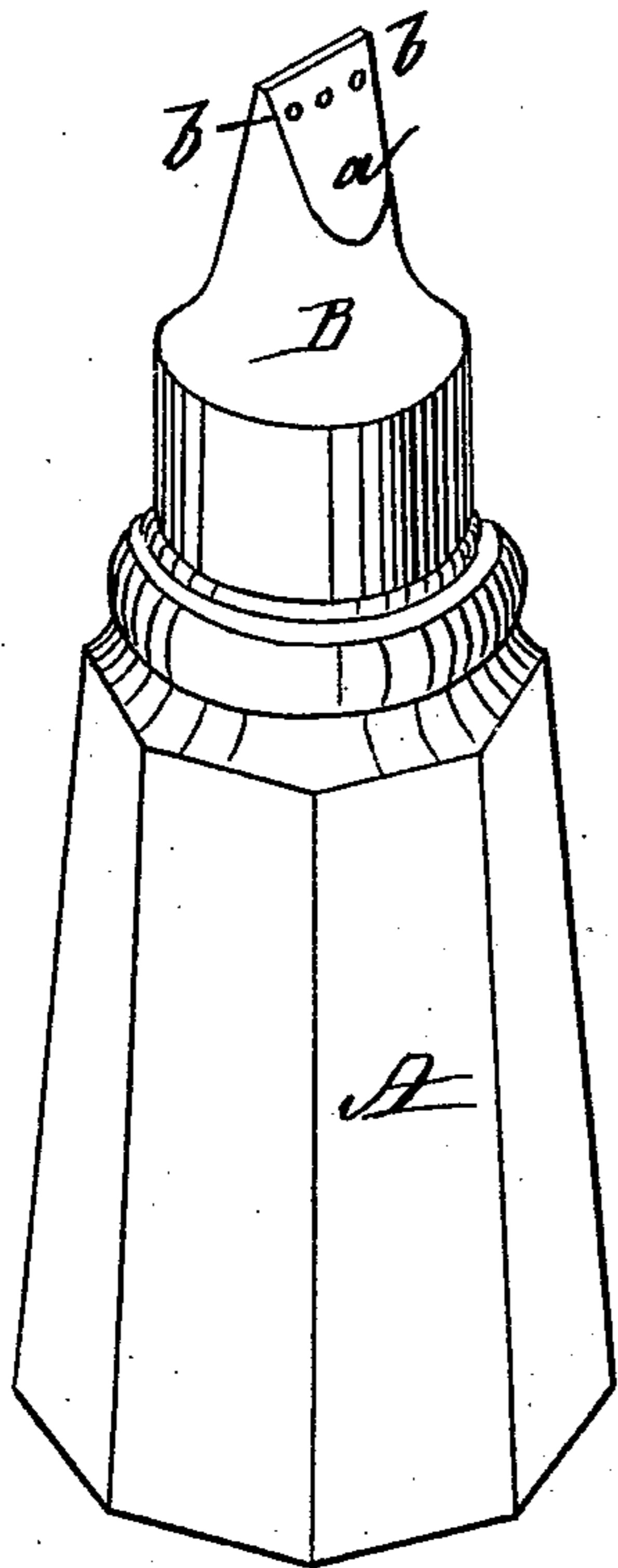


Fig. 2.

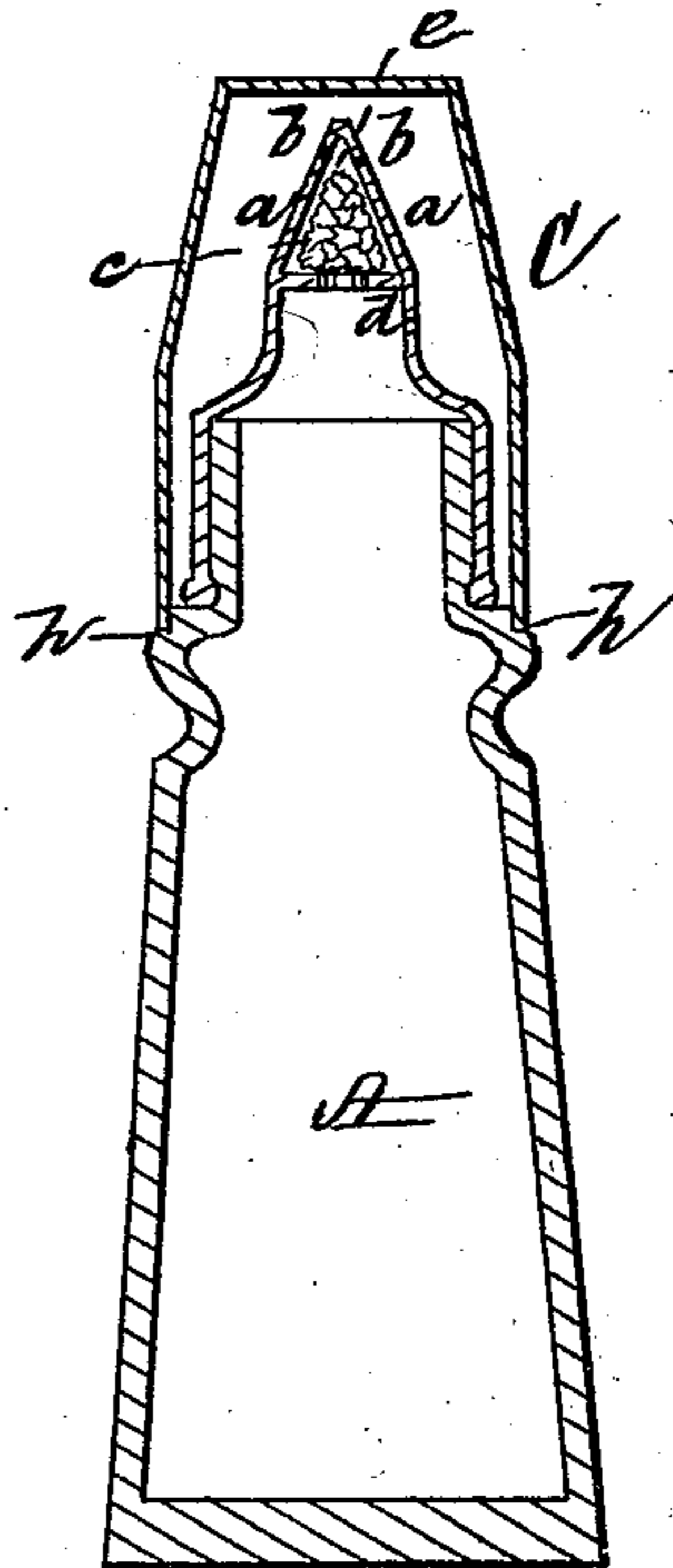
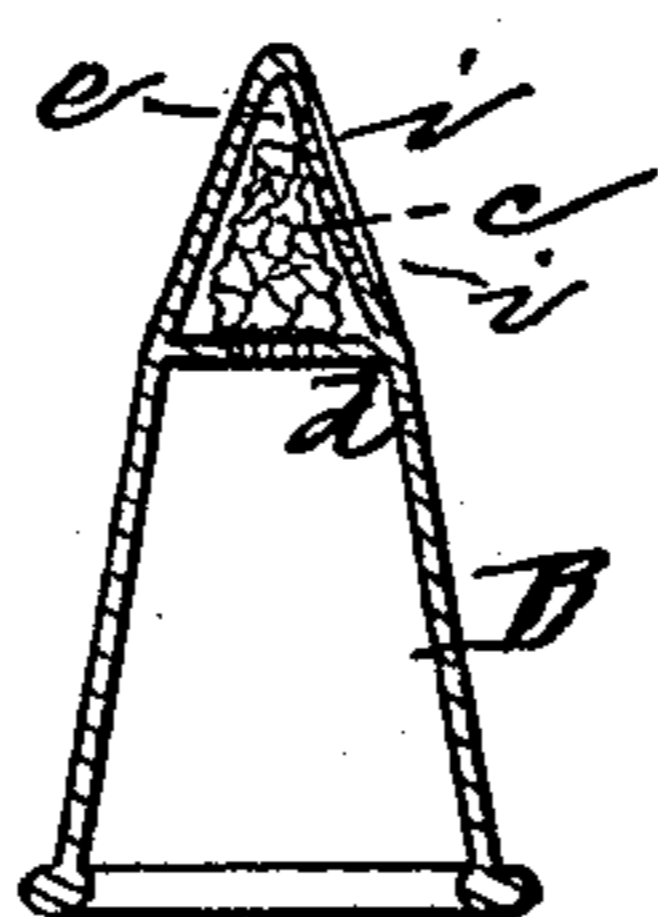


Fig. 3.



Fig. 4.



Witnesses,
W. J. Cambridge
J. C. Cambridge

Inventor,
Elliott H. Grover
per his Attorneys,
Toschemacher & Stearns.

UNITED STATES PATENT OFFICE.

ELBRIDGE H. GROVER, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN MUCILAGE-HOLDERS.

Specification forming part of Letters Patent No. 184,776, dated November 28, 1876; application filed September 11, 1876.

To all whom it may concern:

Be it known that I, ELBRIDGE H. GROVER, of Boston, in the county of Suffolk and State of Massachusetts, have invented a flexible distributor for mucilage and ink holders, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a perspective view of a mucilage-holder, having my flexible distributor applied thereto. Fig. 2 is a vertical section through the center of the same. Fig. 3 is a perspective view of my flexible distributor, to be applied to a receptacle for containing ink, the form of the point of the distributor being such as to adapt it for use as a substitute for a marking-brush. Fig. 4 is a vertical central section through the same.

My invention consists in a peculiar construction of a perforated flexible distributor, to be applied to a receptacle for containing mucilage or ink, which is evenly distributed upon the surface required, by a slight pressure thereon, the distributor thus serving as a substitute for either the ordinary mucilage or marking brush.

To enable others skilled in the art to understand and use my invention, I will proceed to describe the manner in which I have carried it out.

In the said drawings, A represents a bottle for holding mucilage, over the neck of which is sprung the base of a rubber or other suitable flexible distributor, B, the top of which is beveled off at *a a* on two of its opposite sides, and is provided with a series of small apertures, *b*, extending horizontally across it in proximity to its upper edge, through which the liquid contents of the bottle may be ejected upon the surface desired, when one of the beveled perforated sides *a* is brought into contact therewith and pressed thereon.

By this construction the mucilage is allowed to escape through the perforations on the beveled side, and the solid tip following serves to

spread the mucilage as it passes, so that the operation of gumming is performed at a single operation of the hand.

Within the distributor, at its upper end, is placed a piece of sponge, *c*, for regulating the flow of the liquid, and preventing its too rapid escape, the sponge being prevented from becoming displaced and dropping down into the mouth of the bottle by a flange, *d*, a chamber, *e*, for the sponge being thus formed. *C* is a metallic cap or cover, which fits over the distributor B, and rests on a flange or shoulder, *h*, extending around the neck of the bottle, this cap serving to protect the distributor from dust, which would otherwise collect thereon and close the apertures *b*, and thus obstruct the flow of the liquid in the bottle.

Should, however, these apertures be temporarily closed, the mucilage therein can be readily removed by simply pressing one of the beveled sides *a* of the distributor on any hard surface.

When constructed as shown in Figs. 1 and 2, my improved distributor performs the office of a mucilage-brush; but by making the distributor in the form shown in Figs. 3 and 4, with corrugated or grooved exterior surfaces, provided with perforations *i*, and inclining to a point, and of polygonal or other form in cross-section, it serves as a valuable substitute for a marking-brush when applied to a receptacle or pot containing ink.

What I claim as my invention, and desire to secure by Letters Patent, is—

The perforated flexible distributor B, having a closed or solid point, and perforated on the sides below the point, to be applied to mucilage and ink holders, substantially as and for the purpose described.

Witness my hand this 5th day of September, 1876.

ELBRIDGE H. GROVER.

In presence of—

N. W. STEARNS,
W. J. CAMBRIDGE.