

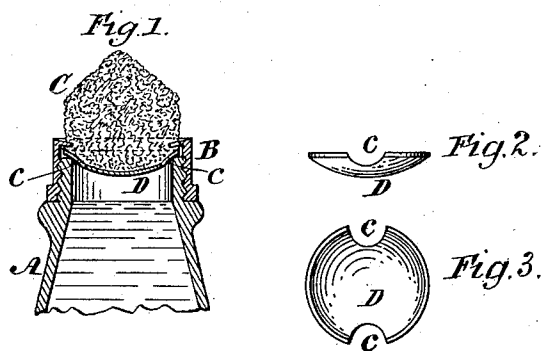
(No Model.)

H. C. NATHAN.

MUCILAGE BOTTLE.

No. 340,673.

Patented Apr. 27, 1886.



Witnesses

Jas R. Bowen.  
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# UNITED STATES PATENT OFFICE.

HENRY C. NATHAN, OF NEW YORK, N. Y.

## MUCILAGE-BOTTLE.

SPECIFICATION forming part of Letters Patent No. 340,673, dated April 27, 1886.

Application filed March 5, 1886. Serial No. 194,110. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY C. NATHAN, of New York, in the county of New York and State of New York, have invented a certain  
5 new and useful Improvement in Mucilage-Bottles, of which the following is a specification.

My improvement relates to mucilage-bottles of the kind which are furnished at the mouths with sponges to which the mucilage flows  
10 when the bottles are inverted and by which the mucilage may be distributed.

The object of my improvement is to provide a superior means for keeping the sponges moistened or saturated with mucilage.

15 My improvement consists in the combination, with a cap adapted to be fitted upon the mouth of a mucilage-bottle, of a plate having a flat or concave upper surface and provided with notches or openings at the edge portion,  
20 through which mucilage may flow to the sponge when the bottle is inverted. This plate will retain a certain amount of mucilage, whereby the sponge will be kept moist.

In the accompanying drawings, Figure 1 is a  
25 vertical section of the upper portion of a mucilage-bottle, a cap, sponge, and plate embodying my improvement. Fig. 2 is an edge view of the plate detached. Fig. 3 is a top view of the plate detached.

30 Similar letters of reference designate corresponding parts in all the figures.

A designates the upper portion of a mucilage-bottle, which may be made of glass or other suitable material.

35 B designates a cap, which is fitted to the mouth portion of the bottle. This cap will preferably be made of metal. It may be secured to the bottle by screw-threads. Its upper edge is turned inward and serrated or  
40 toothed.

C designates a sponge, which is fitted into the cap B and secured in place by serrations or teeth which are provided at the upper edge of the cap. The lower portion of the sponge,  
45 which is within the cap, extends along the inwardly-turned upper edge of the cap, and is thus additionally secured in place in the cap.

D designates a plate, which is preferably made of metal and is fitted into the cap B just below the sponge C. It has a concave upper  
50 surface and, as here shown, a convex lower surface. The contour of its lower surface is, however, immaterial. Its upper surface is made concave to retain mucilage so as to insure the preservation of the sponge in a moist  
55 state. This plate may be secured within the cap by means of the engagement of its edge with the screw-thread in the cap, whereby the cap is fastened to the bottle. In the edge of  
60 the plate are notches *e*, through which the mucilage contained within the bottle may flow to the sponge whenever the bottle is inverted.

It will be seen that the plate D causes the mucilage to be fed to the outer portion or circumference of the inner end of the sponge. 6  
This is advantageous, as the sponge may thus be better saturated than otherwise. The plate would therefore be valuable, even if flat, because of effecting the distribution of the mucilage. The more numerous the notches 7  
better the distribution of the mucilage will be. Openings other than notches may be used.

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

1. The combination, with a cap adapted to  
be fitted to the mouth of a mucilage-bottle, of a sponge inserted in the upper portion of the cap, and a plate arranged in the cap below the sponge, and having notches or openings in the edge portion, substantially as specified. 8

2. The combination, with a cap adapted to be fitted to the mouth of a mucilage-bottle, of a sponge inserted in the upper portion of the cap, and a plate arranged in the cap below the sponge, and having a concave upper surface  
8 and notches or openings in the edge portion, substantially as specified.

HENRY C. NATHAN.

Witnesses:

JAS. R. BOWEN,  
CHAS. F. WARD.