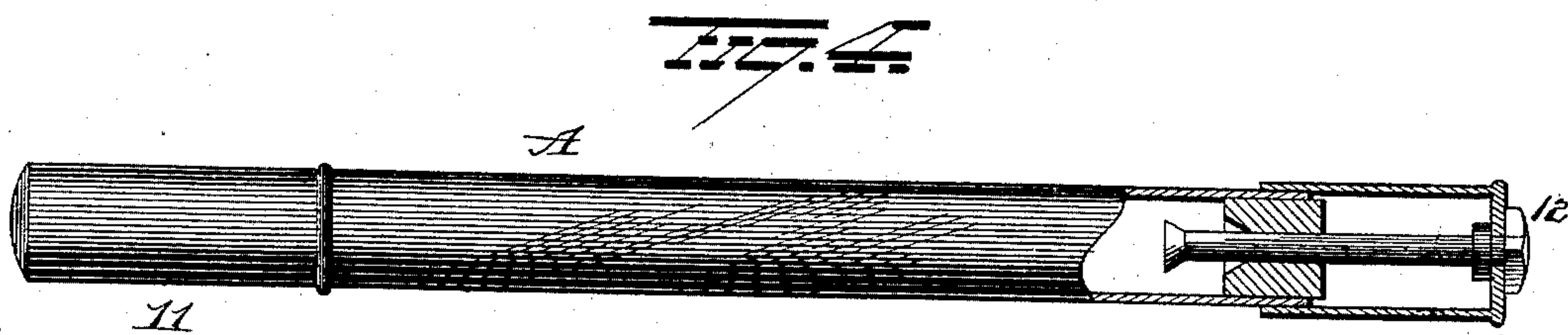
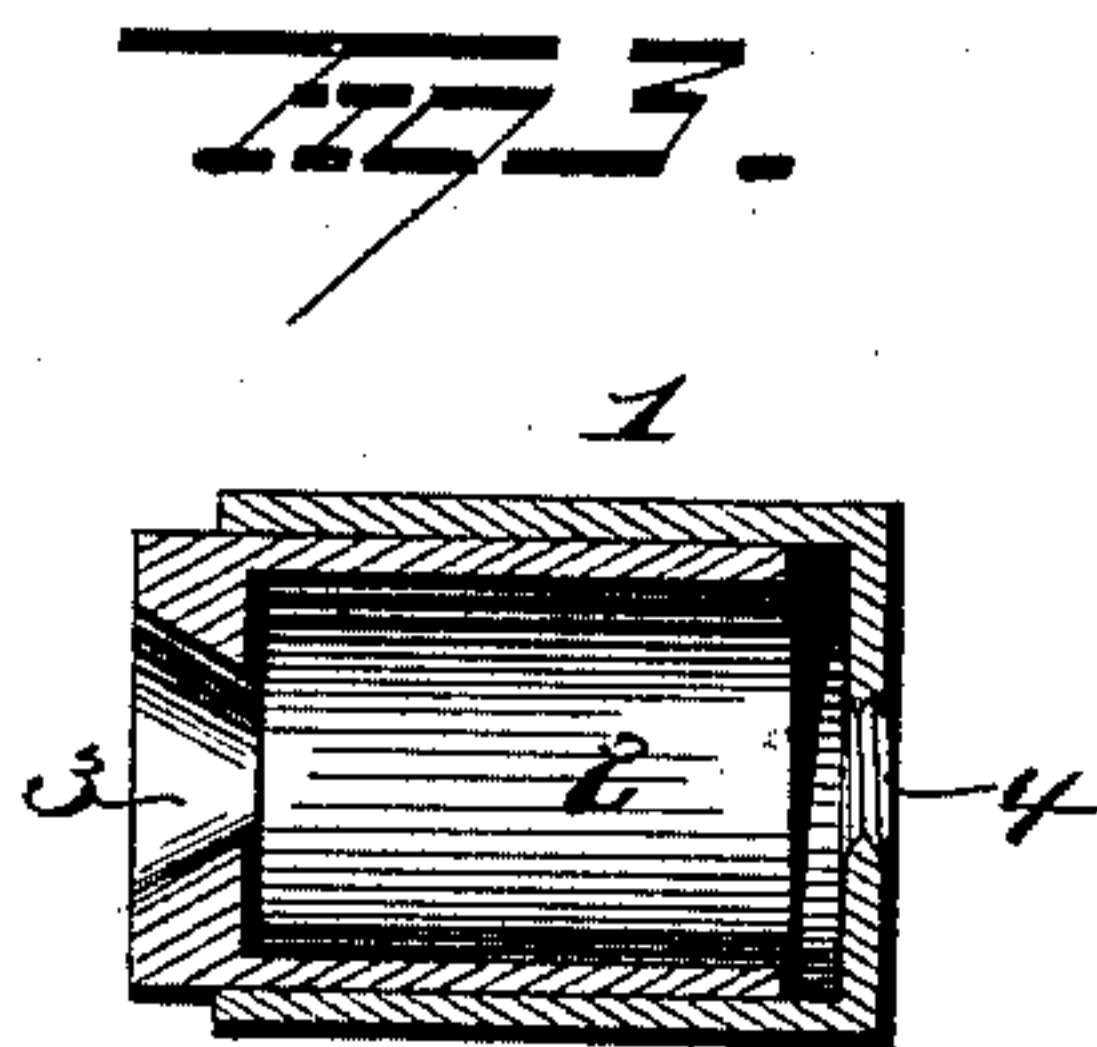
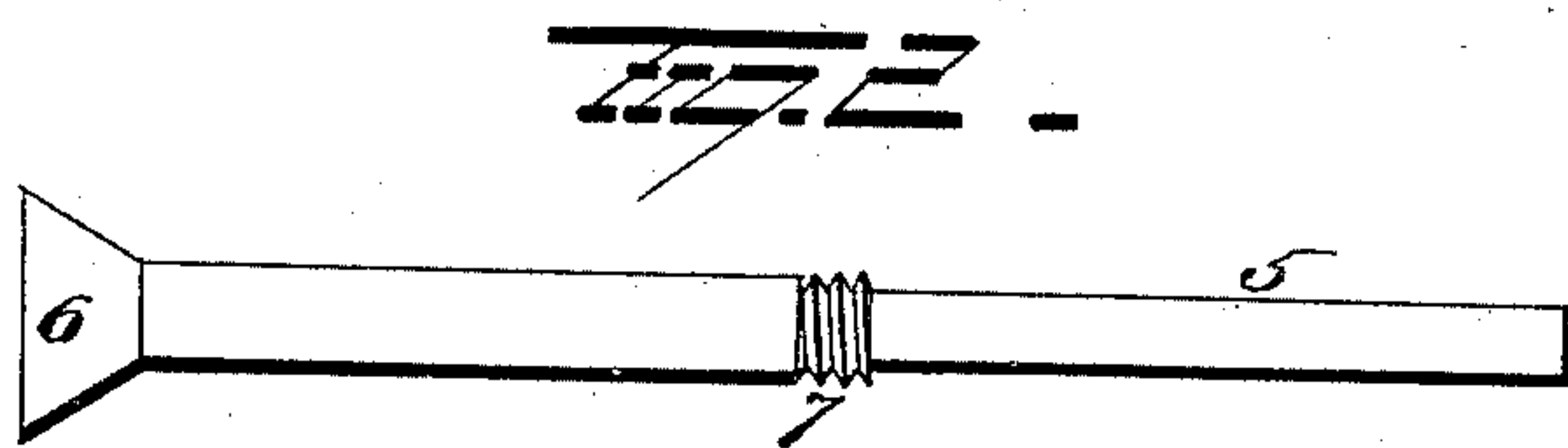
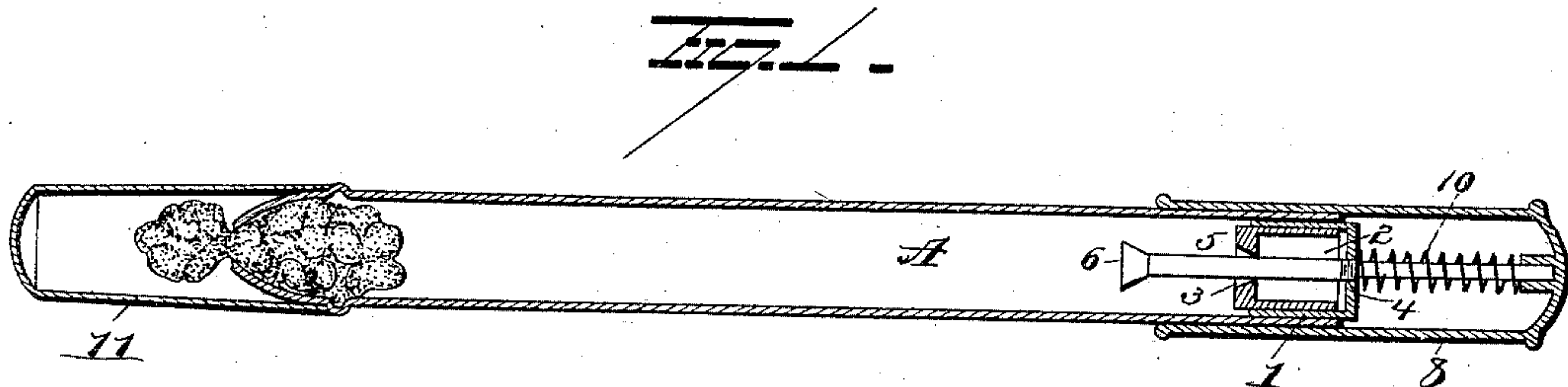


(No Model.)

W. O. NELSON.
MUCILAGE HOLDER.

No. 448,665.

Patented Mar. 24, 1891.



Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM O. NELSON, OF BALTIMORE, MARYLAND, ASSIGNOR OF ONE-HALF
TO THOMAS C. BALDERSTON, OF PHILADELPHIA, PENNSYLVANIA.

MUCILAGE-HOLDER.

SPECIFICATION forming part of Letters Patent No. 448,665, dated March 24, 1891.

Application filed August 25, 1890. Serial No. 362,944. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM O. NELSON, a resident of Baltimore, in the State of Maryland, have invented certain new and useful
5 Improvements in Mucilage Brushes and Holders; 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
10 use the same.

My invention relates to an improvement in mucilage brushes or holders, the object being to provide a device in the nature of a fountain-pen for holding a supply of mucilage and
15 automatically feeding it through a brush or dauber of cloth, hair, or preferably of sponge.

A further object is to provide means for forcing more or less mucilage into the dauber and for withdrawing the mucilage from the
20 latter when it is no longer required.

With these ends in view my invention consists in certain novel features of construction and combinations of parts, as will be herein-
after described, and pointed out in the claims.

25 In the accompanying drawings, Figure 1 is a longitudinal sectional view of the preferred form of construction. Fig. 2 is an enlarged detail of the stem. Fig. 3 is an enlarged sectional view of the plug, and Fig. 4 is a view
30 of a modification, partly in section.

A represents the barrel or body of the device in which the mucilage is contained. This barrel is preferably a little tapered at one end and has a small opening through which the
35 dauber, of hair, cloth, or usually of sponge, as shown in the drawings, is drawn to receive the mucilage and spread it onto the surface or article to be mucilaged. The other end may be opened to be replenished with mucilage,
40 after which it is closed by means of a suitable device for the purpose, now to be described. This consists, first, of a hollow plug, which for convenience and economy is preferably composed of two telescoping shells 1 and 2,
45 fitted snugly together, as shown in Fig. 3, and the outer one being of a proper size to fit tightly in the open end of the barrel. The opening 3 of this plug tapers, as shown, and the opening 4 in the opposite end is screw-threaded, the design of these openings being
50 to receive the stem 5, which ordinarily works

freely in the plug; but I may add in this connection that the stem is provided with an enlarged head 6 at one end, made in shape to correspond with opening 3 and adapted to fill
55 the latter when drawn back as far as possible, and a suitable distance back is furnished with screw-threads 7, adapted to screw into the hole 4 for the purpose of locking the stem and plug together when the parts are assembled,
60 and the plug is inserted in the barrel after the barrel has been replenished to prevent forcing the mucilage out through the dauber at this time, as would otherwise result. This arrangement, however, is only temporary, and
65 the locking of the plug and stem together is only intended to be resorted to when the plug is first inserted after replenishing the barrel with mucilage.

A cap 8 is secured on the outer end of the
70 stem, and this cap extends loosely over the open end of the barrel and is adapted to work back and forth thereon to force air into the barrel over or back of the mucilage to saturate the dauber or to withdraw air from the
75 barrel to withdraw the mucilage from the dauber.

A small spiral spring 10 is placed on the stem between the cap and plug for the purpose of keeping the latter normally outward, and,
80 while this spring is calculated to have sufficient tensile strength to retain the cap in this position in case the device is dropped or in case it is rested on this end, yet the strength of the spring is not sufficient to force the cap
85 outward when it has been pushed on as far as possible to force air into the barrel, and when the cap is pulled back it is done by hand and not by the spring. A cap 11 is placed over
90 the dauber.

In the modification the plug is made in one piece, the spring is dispensed with, and no provision is made for locking the plug and stem together. Again, in this construction the outer end of the stem is screw-threaded,
95 and after extending through a hole for it in the cap has a nut 12 screwed thereon.

It is evident that slight changes might be resorted to in the form and arrangement of the several parts described without departing
100 from the spirit and scope of my invention, and hence I do not wish to limit myself to

the exact construction herein set forth; but,
Having fully described my invention, what
I claim as new, and desire to secure by Let-
ters Patent, is—

5 1. The combination, with a barrel having
an opening in one end for the discharge of
its contents, of a plug for closing the other
end and a movable cap fitted to the end, said
cap having a stem which passes loosely
10 through the plug, substantially as set forth.

2. The combination, with a barrel having
an opening in one end with a dauber therein
and a plug for closing the opposite end, of a cap
fitted to this end, said cap having a stem
15 which extends loosely through the plug, and
means for locking the plug and stem together
temporarily, substantially as set forth.

3. The combination, with a barrel having a
sponge in one end and open at the opposite
20 end, of a plug composed of telescoping shells

fitted in the open end, a cap loosely mounted
on this end of the barrel, a stem secured to
the cap and passing loosely through the plug,
a spring on the stem between the plug and
cap, and means for locking the plug and stem 25
together, substantially as set forth.

4. The combination, with a barrel having
an opening in each end, of a plug for closing
one end and a movable cap having connec-
tion with the plug and fitted to the tube and 30
adapted to increase and decrease the air space
in the barrel by being slid back and forth,
substantially as set forth.

In testimony whereof I have signed this
specification in the presence of two subscrib- 35
ing witnesses.

WILLIAM O. NELSON.

Witnesses:

MURRAY HANSON,

WILLIAM H. BERRY.