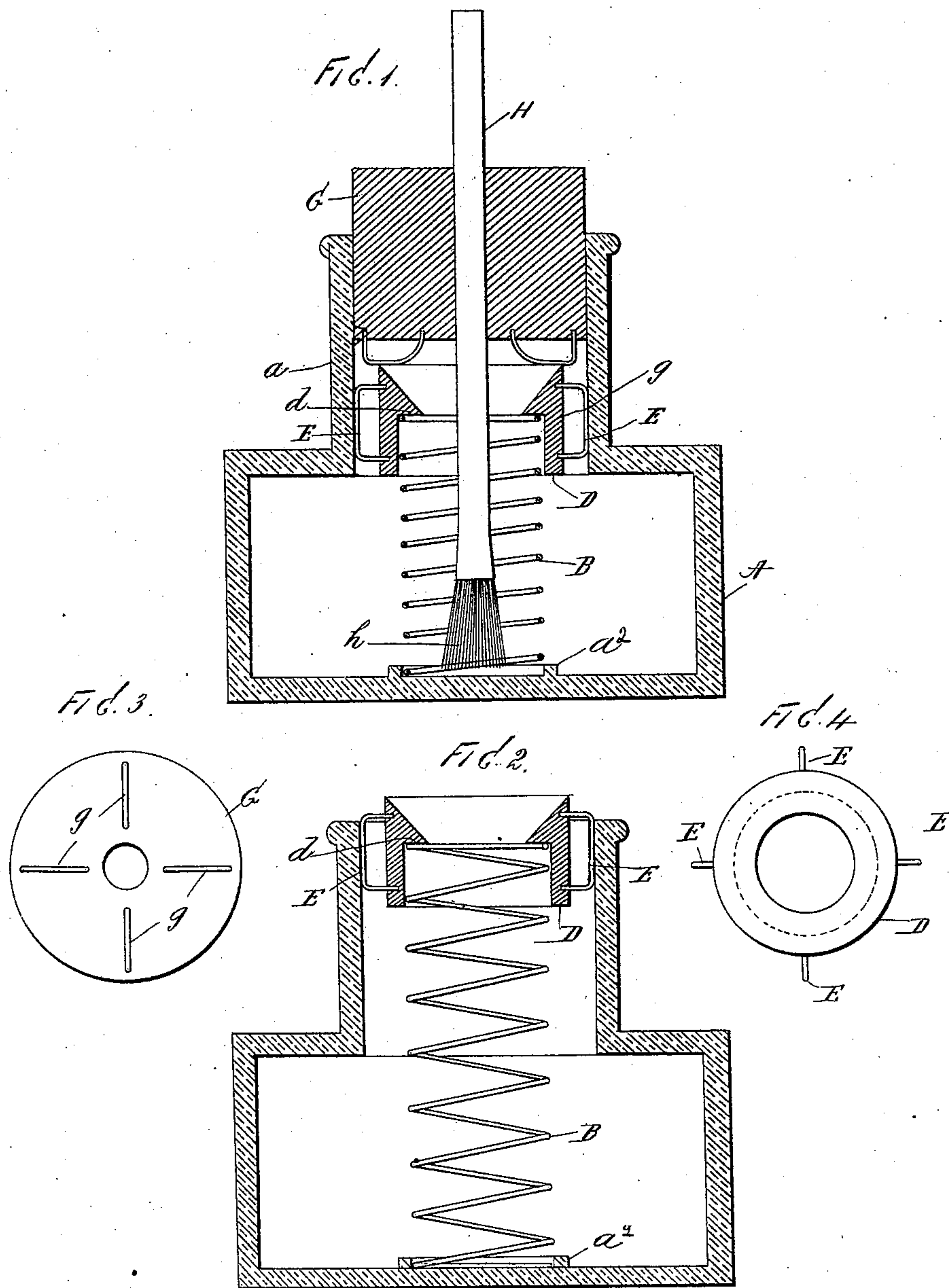


(No Model.)

G. W. TAYLOR.
MUCILAGE BOTTLE.

No. 575,013.

Patented Jan. 12, 1897.



WITNESS:

John Buckler,
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INVENTOR

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UNITED STATES PATENT OFFICE.

GEORGE WATSON TAYLOR, OF ORANGE, TEXAS.

MUCILAGE-BOTTLE.

SPECIFICATION forming part of Letters Patent No. 575,013, dated January 12, 1897.

Application filed May 23, 1896. Serial No. 592,739. (No model.)

To all whom it may concern:

Be it known that I, GEORGE WATSON TAYLOR, a citizen of the United States, and a resident of Orange, in the county of Orange and State of Texas, have invented certain new and useful Improvements in Mucilage-Bottles, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof, in which
10 similar letters of reference indicate corresponding parts.

This invention relates to mucilage-bottles, and the object thereof is to provide an improved device of this class in the neck of
15 which is mounted a spring-supported guide through which the brush is adapted to be passed, said brush being connected with a plug or stopper by which the guide is adapted to be depressed when said plug or stopper is
20 inserted into the neck and the handle of the brush being passed through said plug or stopper, a further object being to provide a mucilage-bottle which is so constructed and arranged that the neck thereof cannot become
25 clogged with dried mucilage.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which—

Figure 1 is a central vertical section of my
30 improved mucilage-bottle, showing the plug or stopper and the brush in position; Fig. 2, a similar view with the plug or stopper and the brush removed; Fig. 3, a bottom plan view of the plug or stopper, and Fig. 4 a plan view
35 of the guide which is placed in the neck thereof.

In the practice of my invention I provide a bottle A, which may be of any desired form and size, and which is provided with a neck
40 a , which is much larger than the necks of similar bottles as usually constructed.

Formed in the bottom of the bottle and centrally thereof is an annular shoulder or flange a^2 , and placed therein is a spiral spring B,
45 and I also provide a vertically-movable tubular guide D, the walls of the upper end of which are inwardly and downwardly contracted, whereby an annular inwardly-directed shoulder d is formed, and the upper
50 end of the spring B is passed into the lower end of the guide, and said guide rests upon

said spring, being supported by the annular inwardly-directed shoulder a^2 . The guide D is also provided on its opposite sides with outwardly-directed wire yokes E, four of which
55 are preferably employed and which are adapted to center the guide and retain it in proper relative position to the neck a , and said wire yokes E are secured to said guide in any desired manner.

The plug or stopper G is composed of soft wood or cork, and passing centrally there-through is the handle H of the brush h , and secured to the lower side of said plug or stopper are radial loops or yokes g , which are
65 composed of wire and which, when the plug or stopper G is inserted or forced into the neck, are adapted to bear upon the upper end of the guide and to force it downwardly into the position shown in Fig. 1.

The spring B and the yokes or loops E and g are preferably composed of metal which will not be affected by fluids or acids, and the guide D is preferably composed of hard rubber or similar material, and the inwardly-directed annular shoulder d , formed therein, is
75 adapted to serve as means for removing the surplus mucilage from the brush when the latter is withdrawn.

It will be understood that the position of
80 the brush may be adjusted in the plug or stopper G, and the spring B is also preferably of such strength as to hold the guide when the plug or stopper is removed in the position shown in Fig. 2, and the operation of
85 removing the surplus mucilage from the brush will not withdraw the guide from the neck of the bottle.

The guide D should not be depressed below the neck of the bottle, and any surplus mucilage that may be removed from the brush
90 on the inwardly-directed shoulder b will drop backwardly into the bottle, and if at any time it should become necessary the guide D may be removed and cleaned, and in practice
95 I prefer to secure the spring B in said guide in such manner that said spring may also be removed, if desired, when the guide is removed.

It will thus be seen that no mucilage can
100 come in contact with the neck of the bottle in the operation of this device nor in contact

with the plug or stopper, and these parts are therefore free from dried mucilage at all times.

My improved mucilage-bottle is simple in construction and operation and perfectly adapted to accomplish the result for which it is intended, and it is evident that changes in the form, construction, and arrangement of the various parts thereof may be made without departing from the spirit of my invention or sacrificing its advantages, and I reserve the right to make all such alterations therein as fairly come within the scope of the invention.

Having fully described my invention, I claim as new and desire to secure by Letters Patent—

1. The combination with a bottle, provided with an enlarged neck, of a vertically-movable tubular guide which is sustained concentrically within said neck, and supported by a spiral spring which rests upon the bottom of the bottle, and a plug or stopper through which passes the handle of the brush, said plug or stopper being adapted to be inserted into the neck and to depress said guide, substantially as shown and described.

2. The combination with a bottle, provided with an enlarged neck, of a vertically-movable tubular guide which is sustained concentrically within said neck, and supported by a spiral spring which rests upon the bottom of the bottle, and a plug or stopper through which passes the handle of the brush, said plug or stopper being adapted to be inserted into the neck and to depress said guide, and said brush being adapted to be passed through said guide, and said guide being provided with an annular inwardly-directed shoulder by means of which the surplus mucilage may be removed from the brush, substantially as shown and described.

3. The combination with a bottle, provided with an enlarged neck, of a vertically-movable tubular guide which is sustained concentrically within said neck, and supported by a spiral spring which rests upon the bottom of the bottle, and a plug or stopper through which passes the handle of the brush, said plug or stopper being adapted to be inserted into the neck and to depress said guide, and said brush being adapted to be passed through said guide, and said guide being provided with an annular inwardly-directed shoulder by means of which the surplus mucilage may be removed from the brush, and said guide being also provided at its opposite sides with outwardly-directed wire loops by which it is retained concentrically in the neck of the bottle, substantially as shown and described.

trically within said neck, and supported by a spiral spring which rests upon the bottom of the bottle, and a plug or stopper through which passes the handle of the brush, said plug or stopper being adapted to be inserted into the neck and to depress said guide, and said brush being adapted to be passed through said guide, and said guide being provided with an annular inwardly-directed shoulder by means of which the surplus mucilage may be removed from the brush, and said guide being also provided at its opposite sides with outwardly-directed wire loops by which it is retained concentrically in the neck of the bottle, substantially as shown and described.

4. The combination with a bottle, provided with an enlarged neck, of a vertically-movable tubular guide which is sustained concentrically within said neck, and supported by a spiral spring which rests upon the bottom of the bottle, and a plug or stopper through which passes the handle of the brush, said plug or stopper being adapted to be inserted into the neck and to depress said guide, and said brush being adapted to be passed through said guide, and said guide being provided with an annular inwardly-directed shoulder by means of which the surplus mucilage may be removed from the brush, and said guide being provided at its opposite side with outwardly-directed wire loops by which it is retained concentrically in the neck of the bottle, and said plug or stopper being provided on its bottom with radial wire loops which are adapted to come in contact with said guide, substantially as shown and described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 14th day of May, 1896.

GEORGE WATSON TAYLOR.

Witnesses:

W. J. DILLARD,
C. E. WITHERSPOON.