

L. C. DAVIS.
DENTIFRICE APPLICATOR.
APPLICATION FILED JUNE 17, 1912.

1,052,043.

Patented Feb. 4, 1913.

Fig. 1.

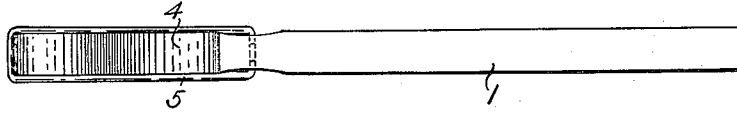


Fig. 2.

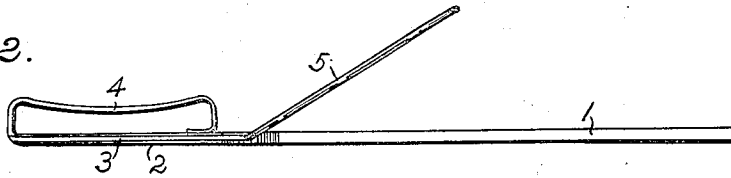


Fig. 3.

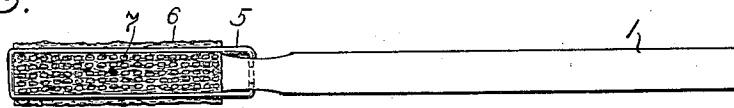


Fig. 7.

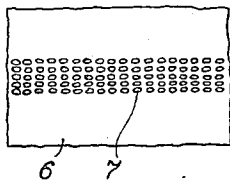


Fig. 5.



Fig. 6.

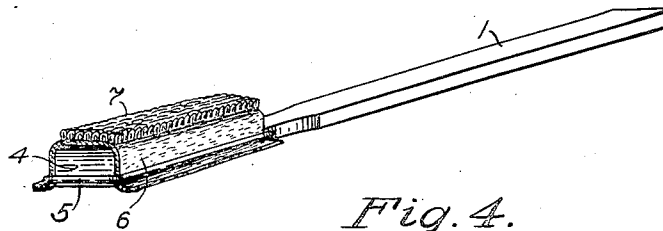


Fig. 4.

Witnesses:

Clifford
W. H. Brown

Inventor,
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UNITED STATES PATENT OFFICE.

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DENTIFRICE-APPLICATOR.

1,052,043.

Specification of Letters Patent.

Patented Feb. 4, 1913.

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To all whom it may concern:

Be it known that I, LAWRENCE C. DAVIS, a citizen of the United States of America, and a resident of Cedar Falls, Blackhawk county, Iowa, have invented certain new and useful Improvements in Dentifrice-Appl-

cators, of which the following is a specification.

My invention relates to improvements in dentifrice applicators, and the object of my improvement is to provide holding-means for strips of porous material suitable to retain a dentifrice in its interstices or pile, such holding-means being convenient to use, and being adapted to release a strip when used for successive employment of other like strips of treated fabric. This object I have accomplished by the means which are hereinafter described and claimed, and which are illustrated in the accompanying drawings, in which:

Figure 1 is a plan view of my improved holding-means. Fig. 2 is a side elevation with the swinging clip raised. Fig. 3 is a plan view of such holding-means, showing a tufted or piled piece of fabric secured thereon removably by means of said swinging clip. Fig. 4 is a perspective view of the parts shown in said Fig. 3. Fig. 5 is a front end elevation of the said holding-means shown in Fig. 2, with the clip raised. Fig. 6 is a front end elevation of the parts shown in said Fig. 3, and Fig. 7 is a plan of a piece of flexible tufted or piled fabric such as used to be impregnated by a dentifrice and then removably secured on said holding-means.

Similar numerals of reference denote corresponding parts throughout the several views.

The invention comprises two parts, one, a flexible piece of fabric 6, which may be of a textile or other suitable substance and which is porous or otherwise formed on the middle line of its upper surface, as by tufts or a pile 7, to hold and retain a dentifrice. A plurality of such pieces 6 may be supplied a user, arranged in a superposed manner for convenient disposal and storage, and quickly separable from one another. The other part of the invention is the holding-means for such pieces 6, and which comprises a handle part 1 of similar form to that of the handle of an ordinary tooth-brush, somewhat contracted at or near its left-hand end, said left-hand end then being drawn out more thinly

then bent upon itself, with the inverted part spaced apart from the handle-part 1 at its end 2 and made concave upwardly, the extremity of said concave part 4 then being bent back upon itself so as to contact with the upper surface of the part 2. The parts 2 and 4 are preferably formed of the same width. A looped clip 5 has its inturned ends swingingly pivoted in a transverse orifice formed through the diminished part of the handle 1, the parts of said clip being of sufficient width of interspace to pass over and inclose both the part 4 of the holding-means and also the piece of fabric 6 overlying the latter. The longitudinal edges of the part 2 of the holding-means have longitudinal grooves 3, and when the clip 5 is secured about the edges of the piece 6 and the part 4, the side parts of the clips spring inwardly enough to engage the fabric between themselves and said grooves, thus firmly securing the parts together for use. When the strip 6 has been used, it may be removed by swinging up the clip 5.

The holding-means may be formed of any suitable material, such as aluminum, and the clip 5 may be of steel or other wire. The pads or pieces 6 may be made of woven cotton or other material having a raised nap or pile 7, or of other porous substances which are suitable to hold and retain a dentifrice and then give it up when in use.

The device is thus conducive to cleanly use, since the pieces 6 are removable after once using, and the other parts are simple, light and easily cleaned or made aseptic. Since the part 4 of the holding means is made thin and is not fixed at its bent-over extremity, it is resilient, and therefore gives enough to permit it to be used effectively about the teeth.

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is:

1. A body having a part inverted and spaced apart therefrom, a piece of flexible fabric supported upon said inverted part, and a looped clip hinged to said body and adapted to detachably secure the edges only of said fabric between itself and the inverted part of said body.

2. A body having a handle-part and an integral inverted part concave outwardly, and spaced apart therefrom, the handle-part having grooves on its edges below said in-

verted part, a piece of fabric adapted to overlie said inverted part and said engaging-means, and a looped clip hinged to said handle-part and adapted to detachably secure said fabric between itself and said grooves.

3. In combination, a handle having one extremity curved over in spaced apart relation to itself and reduced in thickness to form resilient holding-means, a piece of dentifrice-holding material overlying said resilient part, and means connected movably to said handle adapted to detachably secure said fabric over said holding-means.

4. In combination, a handle, an integral spaced-apart holding bar on one end thereof

with one end integral with the handle-end and its other end bent over toward the handle, a piece of fabric supported upon said holding-bar to overlap it all around, and a looped clip having its ends pivoted to opposite sides of the handle and adapted to be swung to and from said fabric to clamp the edges of the latter upon the handle edges at the sides thereof.

Signed at Waterloo, Iowa, this 31st day of May 1912.

LAWRENCE C. DAVIS.

Witnesses:

GEO. C. KENNEDY,
W. H. BRUNN.