

L. L. FUNK.
TOOTH BRUSH.

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Patented Mar. 7, 1911.

986,051.

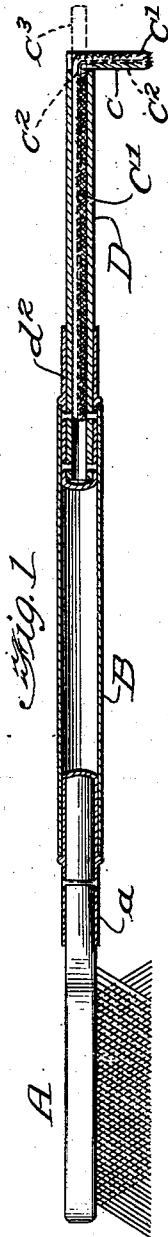


Fig. 2



Fig. 3



Fig. 4

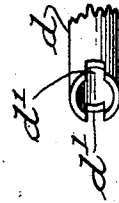
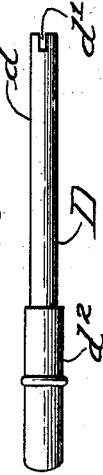


Fig. 5

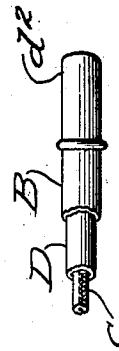


Fig. 6

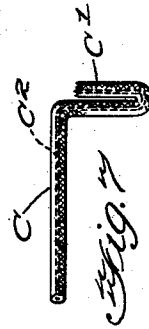


Fig. 7

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UNITED STATES PATENT OFFICE.

LEVI L. FUNK, OF CHICAGO, ILLINOIS.

TOOTH-BRUSH.

986,051.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, LEVI L. FUNK, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Tooth-Brush, of which the following is a specification.

This invention relates to tooth brushes. And the object of the invention is to obtain a tooth brush which may be used to clean the teeth in the ordinary way and a brush which may be used to clean in, about and under what are known in the art as bridge plates, that is, plates that are provided with teeth with the ends of said plates attached to natural teeth, or bridged from one natural tooth to another.

A further object of the invention is to obtain a device of the character named which is easily maintained in a cleanly and sanitary condition. And a further object is to obtain a device which is economically made, and cheaply maintained.

I have illustrated a device embodying this invention in the drawing referred to, in which—

Figure 1 is an elevation of a tooth brush and a vertical section of the handle of said brush and of the remainder of the device. Fig. 2 is an elevation of a device forming a holding member. Fig. 3 is a top plan view of a tooth brush and handle. Fig. 4 is an elevation of a device forming a plate cleaning holder. Fig. 5 is a perspective of one end of the plate cleaning holder. Fig. 6 is an elevation of one end of a holding member of the device, and one end of the holder of the plate cleaning member inserted in said holding member, and Fig. 7 is an elevation of the plate cleaning member.

Similar letters refer to similar parts through the several views.

A is a tooth brush, *a* is the handle thereof.

B is a hollow member in which one end of handle *a* fits when it is desired to make a continuation of handle *a* by means of said member B.

C is the plate cleaning member of the device and D is the holder of member C. Holder D comprises the part *d*, having notch or recess *d'* at one end thereof, and the part *d*², Figs. 1 and 4, at the other end thereof. Part *d* is tubular, said passage way in said tube being large enough to permit the member C to be drawn out of and forced back into the same. The member *d*

is secured in member *d*² and said member *d*² fits within the member B. The notches or recesses *d'* are large enough to permit the member C to be forced thereinto when said member is bent in the manner illustrated in Figs. 1 and 7. This bending of the member C and forcing it into one of the notches *d'* is to prevent rotation of said member C in member D when a plate is being cleaned by said member C.

The member C is made of fibrous material C' held in place by the ductile material C² as copper or soft iron wire.

When the device is not in use the member C is contained in the member D and said member D is put into the member B, as illustrated in Fig. 6. The brush A may be left in the member B or removed therefrom as preferred.

When the brush is to be used one end of the handle *a* thereof is inserted in one end of member B as illustrated in Fig. 1.

When the plate cleaning member C is to be used member D is taken out of member B, turned end for end, replaced in the position illustrated in Fig. 1. Sufficient of the plate cleaning member C for use is drawn from member D and bent down into substantially the position illustrated in Fig. 1 or into the position illustrated in Fig. 7, and forced into recess *d'*. When thus bent or forced into one of the notches or recesses *d'* the member C, as hereinbefore stated cannot be turned in member D.

Member C, bent as stated, may be inserted under the plate to be cleaned, using water therewith, and said plate cleaned. When used, sufficiently the said member C may be cut and the bent portion thrown to waste. The said bent portion of member C may, after the same has been used be bent back into the position indicated by broken lines C³, Fig. 1, and forced back into member D. After member C has been used and forced into member D said member D may be withdrawn from member B, turned end for end and replaced in said member B, as illustrated in Fig. 6.

I claim;—

1. The combination of a holding member, an additional holding member removably inserted in the first named holding member, and a cleaning member removably inserted in said additional holding member, with means to prevent rotation of said cleaning member in the holder thereof, said cleaning

member consisting of fiber mounted on a ductile base.

2. The combination of a tube forming a holding member, an additional tube remov-
5 ably inserted in the first named tube and also forming a holding member, said additional tube provided with a recess at one end thereof, and a cleaning member remov-

ably inserted in the recessed holding member, said cleaning member consisting of fiber 10 mounted on a ductile base.

LEVI L. FUNK.

In the presence of—

CHARLES TURNER BROWN,
CORA A. ADAMS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
