A. C. FULLER.

TOOTH BRUSH.

APPLICATION FILED AUG. 15, 1917.

1,296,067. Patented Mar. 4, 1919.

Fig. 1.

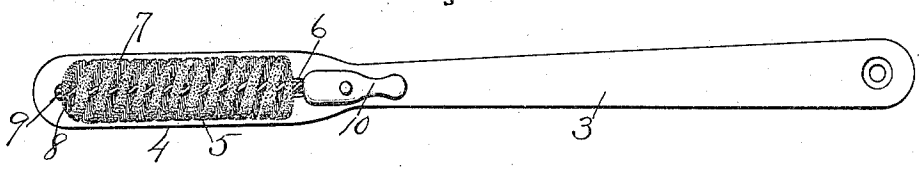
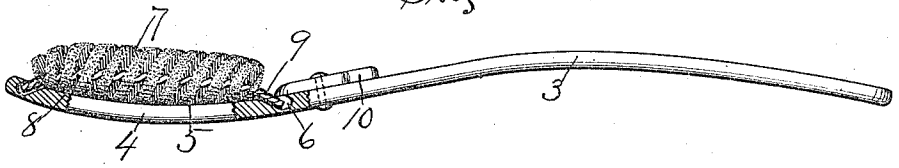


Fig. 2.



WITNESSES:

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TOOTH-BRUSH.

1,296,067. Specification of Letters Patent. Patented Mar. 4, 1919.

Application filed August 15, 1917. Serial No. 186,412.

To all whom it may concern:

Be it known that I, ALFRED C. FULLER, a subject of the King of Great Britain, residing at Hartford, in the county of Hartford and State of Connecticut, have invented a new and Improved Tooth-Brush, of which the following is a specification.

My invention relates to the class of dental appliances employed for cleaning the teeth, and an object of my invention, among others, is to provide a brush of extreme simplicity and one that may be used for the purposes set out and that will perform its function in a very efficient manner.

One form of brush embodying my invention and in the construction and use of which the objects herein set out, as well as others, may be attained, is illustrated in the accompanying drawings, in which:

Figure 1 is a plan view of a brush embodying my invention.

Fig. 2 is an edge view of the same with parts broken away to show construction.

In the accompanying drawings the numeral 3 indicates the handle of my improved brush that may be of any desired form and composed of any suitable material and that has at one end a head 4 curved lengthwise thereby providing a depression 5. Cavities 6 are formed in the bottom of said depression in the head 4 and at some distance apart, these cavities being obliquely arranged with respect to a brush 7 that is secured to the head.

In the use of tooth brushes very effective cleaning of the teeth is obtained by giving to the brush a rolling action so that the bristles will be caused, in this rolling action of the brush, to pass up and down the intervals between the teeth. In order to effect a most thorough brushing in this rolling action, I make the brush 7 round as to its working surface, and I also construct it so that it will be rigidly held in the handle and will not rotate therein. To this end the cavities 6 are obliquely formed in the manner above described and the core 8 of the brush has its ends 9 bent diagonally to the core and to correspond with said cavities. A latch 10 is pivotally mounted so that its end overlies a portion of one of the cavities and thus securely holds the brush in place. The distance between the ends of the core may be slightly greater than the distance between the outside edges of the cavities, so that the core will be required to be slightly bent and sprung into place and thus be securely held without use of the latch. This, however is not material to my invention as the latch 10 securely clamps the brush in place and the latter may be rigidly held against rotation. The brush may be of a well known form in which the bristles are passed between wires that are spirally twisted to secure the bristles in place.

In accordance with the provisions of the patent statutes, I have described the principles of operation of my invention, together with the device which I now consider to represent the best embodiment thereof; but I desire to have it understood that the device shown is only illustrative, and that the invention can be carried out by other means.

I claim:

A toilet appliance comprising a handle and a head of curved form providing a depression curved lengthwise of the brush head with obliquely arranged recesses in the concave side of said head, at opposite ends of the depression, and a brush of curved form as to its outer surface and comprising a core having ends projecting normally in a diagonal direction to correspond with said recesses, and a latch pivoted to the handle with one end overlying a recess to secure the brush in place.

ALFRED C. FULLER.