

(No Model.)

E. H. HAMILTON.
TOOTH BRUSH.

No. 569,870.

Patented Oct. 20, 1896.

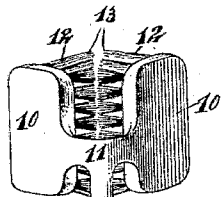


FIG 1

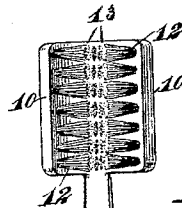


FIG 2

14

14

FIG 3

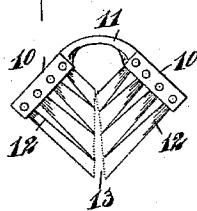
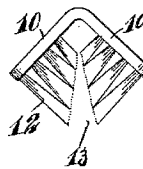


FIG 4



WITNESSES:

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INVENTOR

E. H. Hamilton

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UNITED STATES PATENT OFFICE.

EDWARD HENRY HAMILTON, OF POONA, INDIA.

TOOTH-BRUSH.

SPECIFICATION forming part of Letters Patent No. 569,870, dated October 20, 1896.

Application filed June 6, 1896. Serial No. 594,497. (No model.) Patented in England October 16, 1895, No. 19,465.

To all whom it may concern:

Be it known that I, EDWARD HENRY HAMILTON, a citizen of the United States, residing in the cantonment of Poona, presidency of Bombay, India, have invented a new and Improved Tooth-Brush, (which has been patented in England, No. 19,465, dated October 16, 1895,) of which the following is a full, clear, and exact description.

The object of the invention is to combine two tooth-brushes that the combined brushes may be used in the same manner as a single brush and with no more inconvenience, the double brush acting, however, to simultaneously clean the teeth on both the back and front surfaces.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claim.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of the improved tooth-brush viewed from the back. Fig. 2 is a perspective view of a slightly-modified form of the improved brush viewed from the bottom. Fig. 3 is an end view of the form of brush shown in Fig. 1, and Fig. 4 is a similar view of the form of brush illustrated in Fig. 2.

In carrying out the invention two brush-backs 10 are employed, made of any approved material, and these two backs are placed at angles to one another, their bottom faces having opposite inclinations, and the two brush-backs may be connected by a bridge 11, preferably arched, as shown in Figs. 1 and 3 and the said bridge may also be made of any suitable material, such as spring metal, or it may be made of the same material as that of which the backs are made, or the elevated side edges of the backs may be brought together and firmly secured throughout their entire length, or the two backs may be made integral or from one piece of material. Thus it will be observed that the two backs form a trough of substantially inverted-A shape, closed when the backs are fastened together throughout their length and separated partially when the backs are connected by the bridge 11.

The cleaning material 12, which may be bristles, rubber, or a fiber of any description, or the equivalent of the same, is secured in any suitable or approved manner in the bottom faces of the backs 10, so that the cleaning material 12 of the two backs will face one another, and the bottom or working surfaces 13 of the cleaning material of the several backs are inclined in a reverse direction to the inclination of the backs, as shown in Figs. 3 and 4, so that the bristles will be shortest in the upper row of each brush-back and longest in the bottom row, and the upper rows of bristles of the opposing brushes are brought practically to an engagement, and the space is gradually widened between the working surfaces of the two brushes as the lower or longer portions of the bristles are approached.

When the bridge 11 is employed, it is connected with a handle 14, while the handle in the form of the double brush shown in Fig. 2 connects with the backs 10 where they unite.

It is evident that a brush of this description may be used as conveniently and in the same manner as the ordinary single tooth-brush, and that both the back and front surfaces of the teeth will be simultaneously and effectively cleaned.

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

A tooth-brush comprising two flat backs placed at angles to each other, a bridge 11 connecting said backs and forming an inverted-A-shaped trough, a handle secured to said bridge, and rows of bristles secured in the under faces of said backs and being shortest in the rows adjacent said bridge and longest in the outside rows, said bristles being inclined in a reverse direction to the inclination of said backs, the working surfaces of the rows adjacent said bridge being almost in engagement and the space between said working surfaces being gradually widened as the longer and outer rows are approached, whereby an angular or V-shaped opening is formed by said working surfaces, as and for the purpose set forth.

EDWARD HENRY HAMILTON.

Witnesses:

KESHOO CHIMNOJES,
RAGHUNATH GANESH.