

July 12, 1938.

W. A. DULLEA

2,123,407

TOOTH BRUSH

Filed June 3, 1937

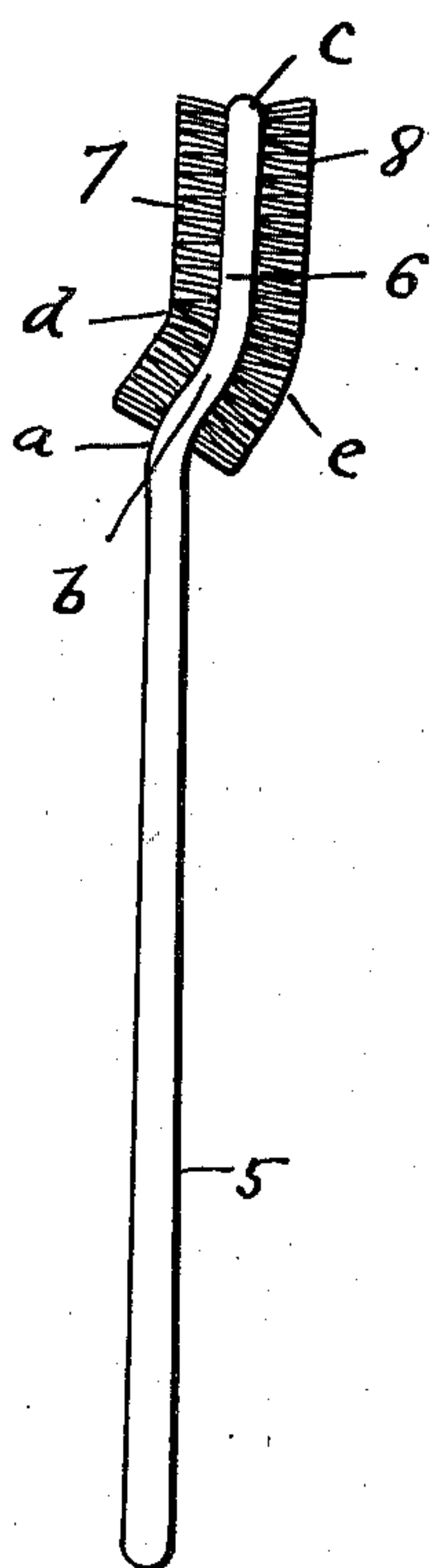


Fig. 1.

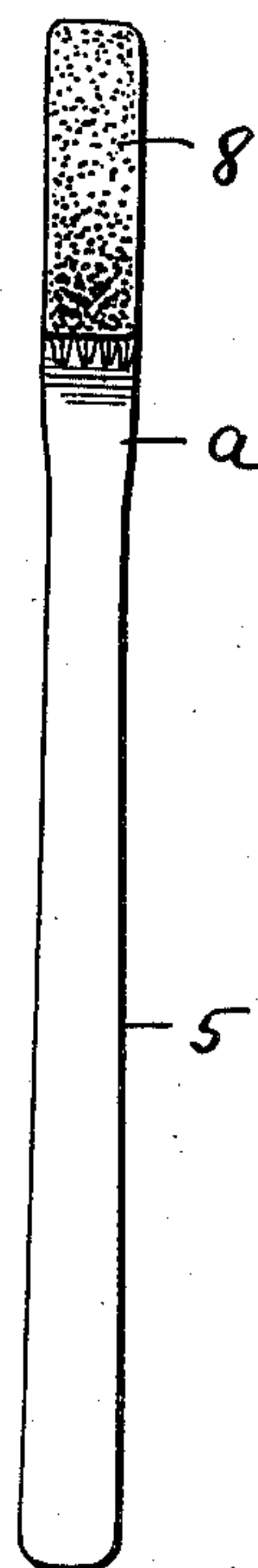


Fig. 2.

Inventor

Walter A. Dullea

By *Clarence A. O'Brien*
Hyman Berman

Attorneys

UNITED STATES PATENT OFFICE

2,123,407

TOOTH BRUSH

Walter A. Dullea, Milton, Mass.

Application June 3, 1937, Serial No. 146,283

1 Claim. (Cl. 15—167)

The present invention appertains to new and useful improvements in dental instruments and more particularly to a tooth brush.

6 The principal object of the present invention is to provide a tooth brush wherein the head is formed in such a manner as to facilitate the cleaning of both the inside and outside of the teeth.

10 Another important object of the invention is to provide a tooth brush constructed in such a manner as to facilitate cleaning between the teeth in addition to cleaning the inner and outer sides thereof.

15 These and other important objects and advantages of the invention will become apparent to the reader of the following specification.

In the drawing:—

20 Figure 1 represents an edge elevational view of the instrument.

Figure 2 is a side elevational view.

25 Referring to the drawing wherein like numerals designate like parts, it can be seen that the handle and head portions of the instrument are constructed of one elongated element, numeral 5 denoting the handle portion while numeral 6 designates the head portion.

30 The head portion is formed by bending the elongated element from the point *a* laterally to the point *b* and then extending the same on a line substantially parallel to the handle proper.

The bristles project laterally from opposite sides of the head 6, the cluster 7 for cleaning the outside of the teeth while the cluster 8 is intended for cleaning the inside of the teeth.

35 The clusters of bristles extend from the starting point *a* of the curve to the extremity *c* and are of uniform length.

With the cluster 7 having its bristles of uniform length, in following the curve 6, a concavity *d* is afforded which will contact a number of teeth at a time when the outer side of the teeth are being cleaned.

5 On the other hand the cluster 8 in following the curve defines the convexity *e* which will permit the brush to contact a plurality of the teeth when the inside of the teeth are being brushed.

10 It will be observed, that beyond the point *b* and toward the extremity *c* the bristle clusters 7—8 are on substantially parallel planes with the handle proper and this portion of the brush can be used when motion transversely of the rows of teeth is executed as when effort is being made to 15 clean between the teeth.

20 While the foregoing specification sets forth the invention in specific terms, it is to be understood that numerous changes in the shape, size and materials may be resorted to without departing from the spirit and scope of the invention as claimed hereinafter.

Having described the invention what is claimed as new is:—

25 A tooth brush comprising a handle, including a hand grip portion and a head portion, said head portion being provided with an offset portion paralleling the longitudinal axis of the hand grip portion of the handle and merging with the hand grip portion in a gradual curved portion, and 30 bristles on the head portion and extending uniformly from opposite sides thereof throughout the curved and offset portions of the head to provide a concaved set of bristles at one side of the head and a convexed set of bristles at the op- 35 posite side of the head.

WALTER A. DULLEA.