

J. WAYNE.
Tooth-Brush.

No. 164,353.

Patented June 8, 1875.

Fig. 1

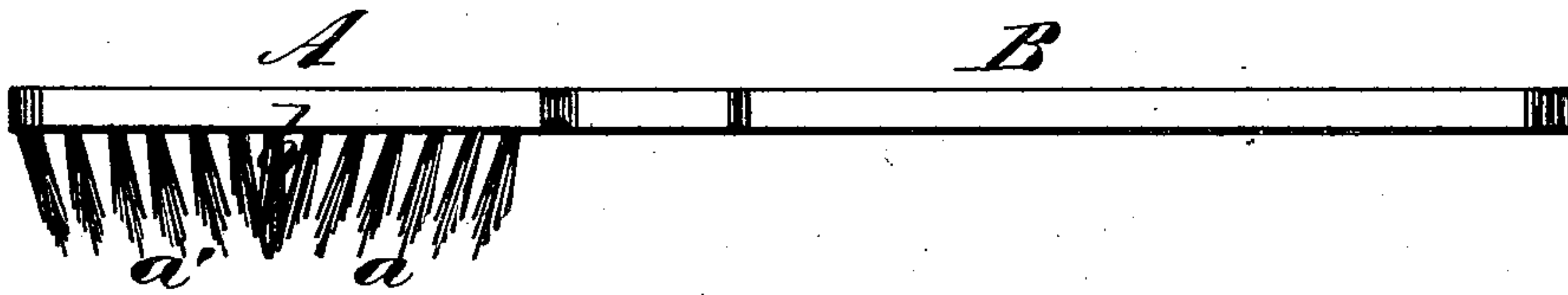
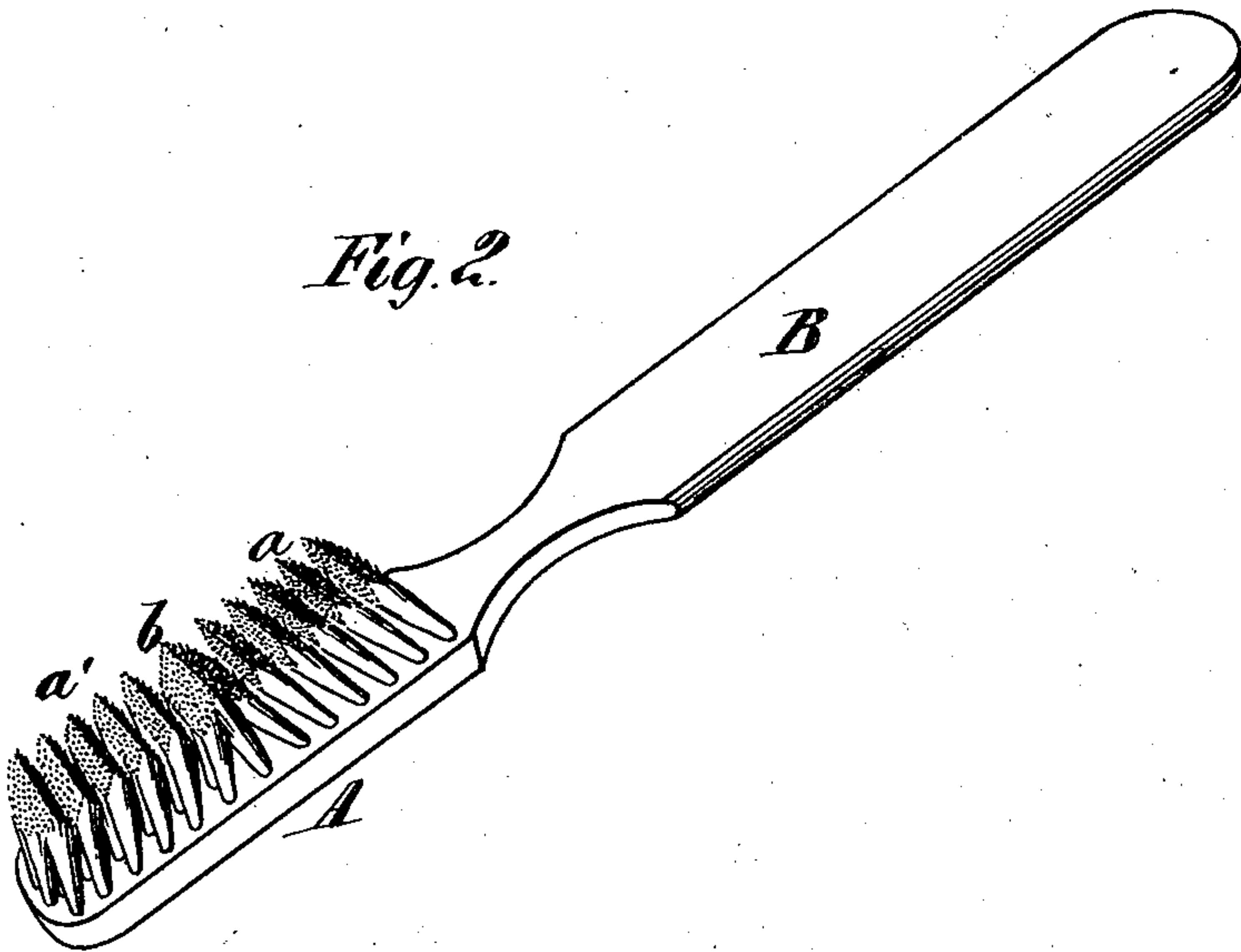


Fig. 2



WITNESSES

Mary B. Viley.
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UNITED STATES PATENT OFFICE.

JOSEPH WAYNE, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN TOOTH-BRUSHES.

Specification forming part of Letters Patent No. 164,353, dated June 8, 1875; application filed April 17, 1875.

To all whom it may concern:

Be it known that I, JOSEPH WAYNE, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a new and valuable Improvement in Brushes; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a side elevation of my brush. Fig. 2 is a perspective view of the same.

This invention has relation to tooth-brushes; and the nature of my invention consists in a tooth-brush in which one-half (more or less) of the bristles incline toward the handle, and the other bristles incline from the handle, there being a tuft of bristles perpendicular to the base of the tooth-brush at its central part, as will be better understood from the following description.

In the annexed drawing I have represented my improved tooth-brush. A designates the back of a tooth-brush, and B the handle thereof. The tufts of bristles are secured into the back or stock A in the usual well-known man-

ner, with this exception, to wit: the tufts *a* are inclined from a point near the handle B to the central perpendicular tufts *b*, and the tufts *a'* are inclined from the end of the back A to the tufts *b*, as shown in the drawing.

It will be seen from the above description that the double slant of the bristles will give them a much better hold on the teeth; at the same time a better cleaning effect is obtained by reason of their forcing themselves into the interstices of the teeth.

What I claim as new, and desire to secure by Letters Patent, is—

A tooth-brush having the body of its bristles divided into two sections, *a a'*, each section having its bristles parallel to each other, and inclined toward the other section, the space between the sections being occupied by a central tuft of bristles perpendicular to the base of the brush, substantially as described, and for the purpose set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JOSEPH WAYNE.

Witnesses:

ALLEN H. GANGEWER,
ÉMILE L. PERDRIANT.