

(No Model.)

H. E. VAN HORNE.
RUBBER TOOTH BRUSH.

No. 411,910.

Patented Oct. 1, 1889.

FIG-1-

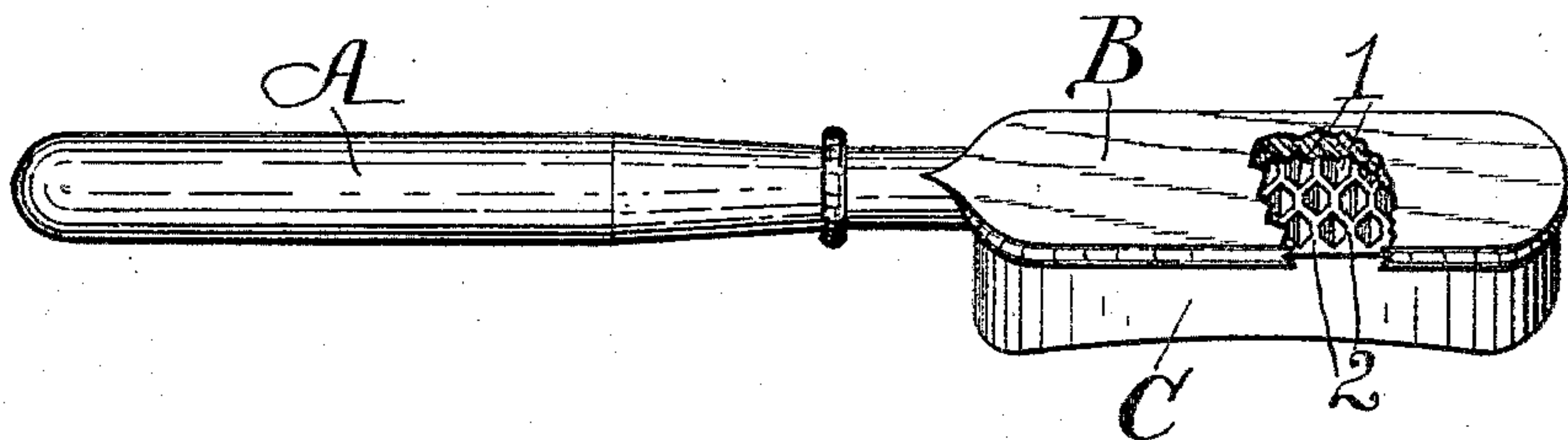
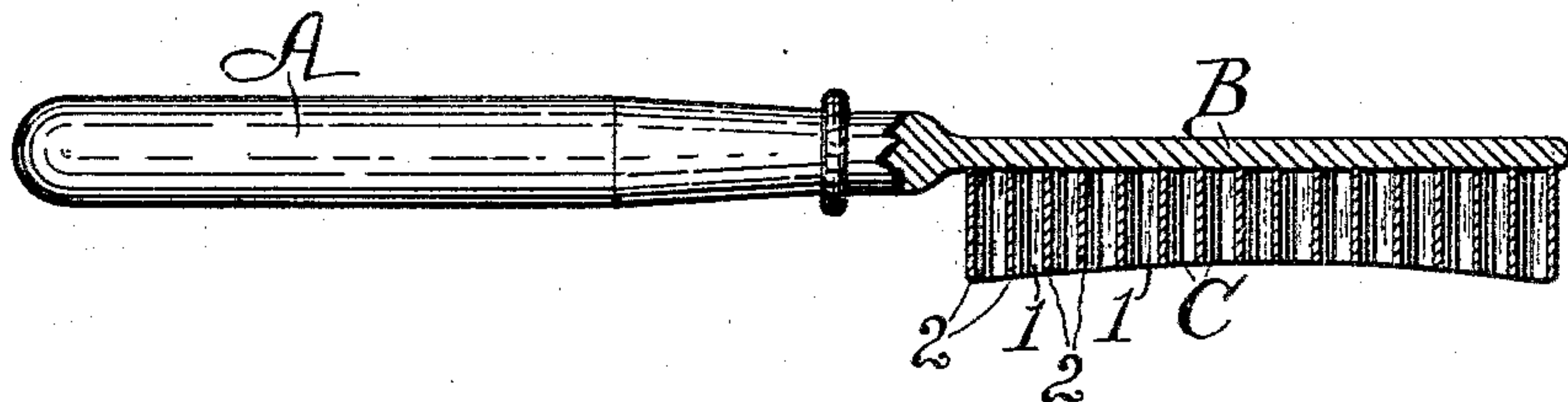


FIG-2-



Witnesses—

Parson Whittier
Phil J. Cusick

Inventor—

Herman E. Van Horne
By his Attorney—
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UNITED STATES PATENT OFFICE.

HERMAN E. VAN HORNE, OF NEW YORK, N. Y.

RUBBER TOOTH-BRUSH.

SPECIFICATION forming part of Letters Patent No. 411,910, dated October 1, 1889.

Application filed March 20, 1888. Serial No. 267,871. (No model.)

To all whom it may concern:

Be it known that I, HERMAN E. VAN HORNE, of New York, county of New York, in the State of New York, a citizen of the United States, have invented certain new and useful Improvements in Rubber Tooth-Brushes, of which the following is a specification, reference being had to the accompanying drawings, in which—

10 Figure 1 is an isometric view of my improved rubber tooth-brush with a portion represented as broken away for better illustration; and Fig. 2 is a vertical longitudinal section thereof, except as to the handle.

15 Like letters and figures of reference denote corresponding parts throughout the drawings.

My invention relates to the manufacture of tooth-brushes in which the brush portion is constructed of unvulcanized or partially-vulcanized rubber.

20 My object is to produce an improved brush from soft or gum rubber adapted to fit the interstices between the teeth and to scour and thoroughly clean the teeth without being harsh to the gums.

My invention consists in the several novel features of construction hereinafter described, and which are specifically set forth in the several clauses of claim hereunto annexed.

30 My device is constructed as follows: A is the handle, B the back, and C the brush proper, formed of soft rubber. The handle

and the back are constructed in any ordinary or preferred manner.

The brush C is of a honey-comb pattern or formation, having perforations 1 (preferably vertical) extending through it, leaving thin walls 2 between the adjacent perforations.

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

1. A tooth-brush consisting of a handle, a back, and a honeycombed brush of soft rubber secured to the back, substantially as described.

2. As a new article of manufacture, a tooth-brush consisting of a handle and a back of hard material and a brush portion constructed of soft rubber secured to the back and honeycombed, substantially as described.

3. A tooth-brush consisting of a handle, a back, and a vertically-honeycombed brush of soft rubber attached to the back, substantially as described.

4. In a tooth-brush, a honeycombed brush portion formed of soft rubber adapted to be attached to a brush handle or back, substantially as described.

In witness whereof I have hereunto set my hand this 5th day of March, 1888.

HERMAN E. VAN HORNE. [L. s.]

In presence of—

FRANK A. PILLOT,
BERNARD KELLY.