No. 611,788. Patented Oct. 4, 1898.

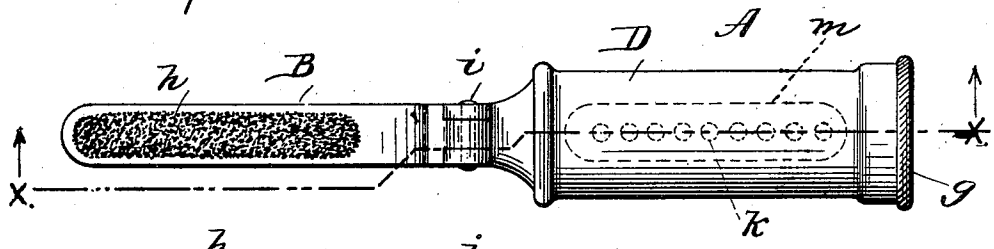
I. N. LINCOLN.

TOOTH BRUSH.

(Application filed Oct. 25, 1897.)

(No Model.)

FIG. 1.



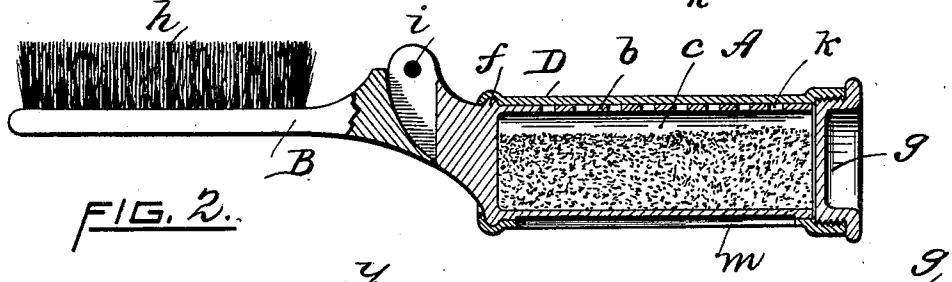




FIG. 2.

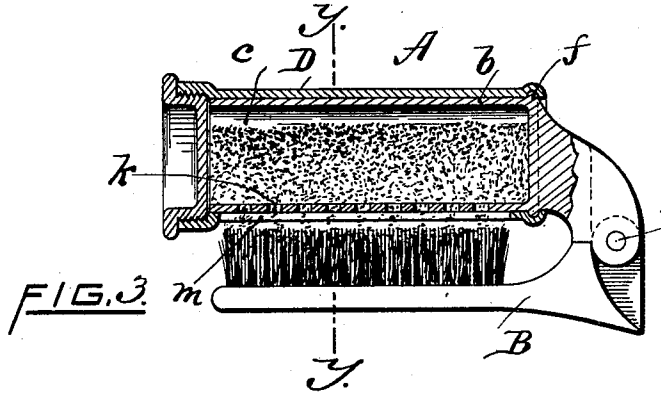



FIG. 3.

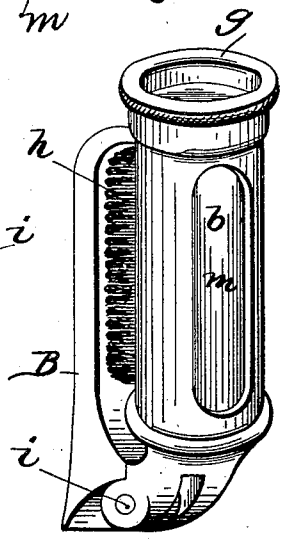



FIG. 5.

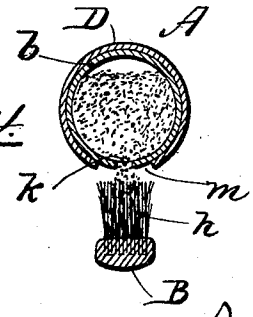



FIG. 4.

WITNESSES.

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# UNITED STATES PATENT OFFICE.

ISAAC N. LINCOLN, OF PROVIDENCE, RHODE ISLAND.

## TOOTH-BRUSH.

SPECIFICATION forming part of Letters Patent No. 611,788, dated October 4, 1898.

Application filed October 25, 1897. Serial No. 656,359. (No model.)

*To all whom it may concern:*

Be it known that I, ISAAC N. LINCOLN, of the city and county of Providence, in the State of Rhode Island, have invented certain new and useful Improvements in Tooth-Brushes; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

My invention relates to an improved folding tooth-brush having its handle of cylindrical form, within which is contained the powdered dentifrice; and the object of my invention is to provide means for distributing the powder over the brush, as hereinafter particularly described and claimed.

Referring to the drawings, Figure 1 represents a top view of the device embodying my invention. Fig. 2 is a partial side sectional elevation taken in line *x x* of Fig. 1. Fig. 3 is a similar sectional view showing the handle brought over and delivering the powder to the brush. Fig. 4 is a cross-sectional view in line *y y* of the same. Fig. 5 represents a perspective view of the device as folded together when not in use.

In the drawings, A designates the handle, made of aluminium or other suitable material; and it consists of a cylinder *b*, adapted to contain within its cavity *c* the necessary supply of powdered dentifrice.

D is a movable sleeve closely fitting over the cylinder and held in position thereon by the beaded edge *f*, over which is spun the inner or bottom end of said sleeve. The outer or top end of the sleeve extends beyond the cylinder and is closed by the screw-cap *g*.

B is the brush-head provided with the usual bristles *h* and having its shank pivoted at *i* in the fork-shaped end of the handle, as shown. The cylinder *b* is provided with a series of perforations or orifices *k*, formed laterally on its side, said orifices being closed by the sleeve D. This movable sleeve is further provided with a longitudinal slot *m*, extending in length with the series of perforations in the sleeve.

To distribute a limited portion of the dentifrice on the brush, the handle is folded so that it comes directly over the bristles, as shown in Fig. 3, after which movement the user rotates the sleeve by the milled cap *g*, which brings the slotted opening in said sleeve in alinement with the orifices *k* of the cylinder, and whereby the requisite discharge is readily obtained on the brush.

I am aware of the patent to Lakin, dated January 19, 1886, for folding tooth-brushes providing a tapering plug having a limited sliding movement to open or close the orifice; but such construction does not anticipate my improvement, inasmuch as I fold my cylinder directly over the brush, whereby I am enabled to receive an even distribution of powder over the bristles. By my construction I form an article that contains in itself all that is necessary to care for the teeth and at the same time very simple, compact, durable, and with the least cost to manufacture.

I claim as my invention—

In a folding tooth-brush, the combination consisting of the jointed handle, one part provided with bristles and the other part consisting of a receptacle for tooth-powder, a series of perforations extending longitudinally from each end of the receptacle, a rotatable sleeve mounted on the handle and extending beyond the front end thereof, a slotted opening in said sleeve, with a cap engageable on the front end of the sleeve adapted to operate in opening and closing the perforations of the handle, substantially as shown and for the purpose specified.

ISAAC N. LINCOLN.

Witnesses:
ROBERT W. BURBANK,
RICHARD B. COMSTOCK.