J. H. TRAYNE.

TOOTH BRUSH HOLDER.

APPLICATION FILED AUG. 7, 1912.

1,079,618. **Patented Nov. 25, 1913.**

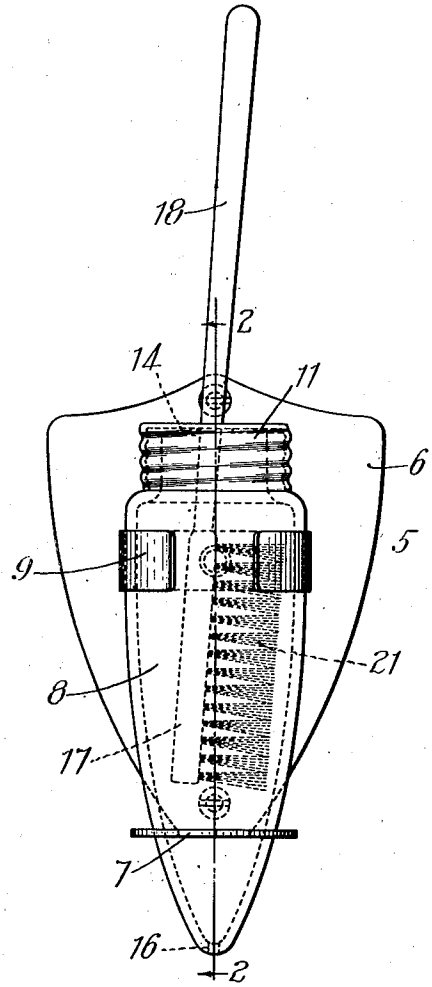


Fig. 1.

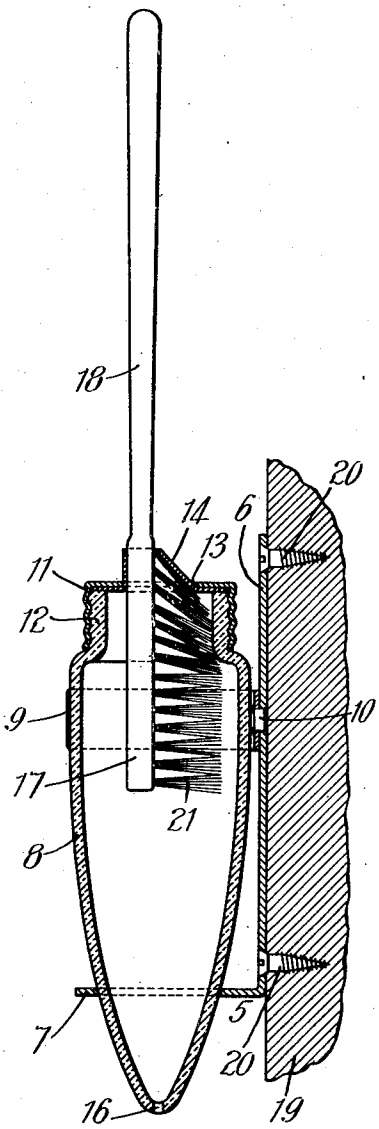


Fig. 2.

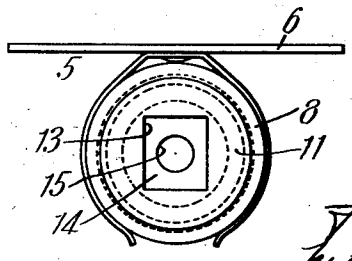


Fig. 3.

Witnesses.
Franklin E. Low.
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John H. Trayne,
by his attorney,
Charles J. Fooding.

UNITED STATES PATENT OFFICE.

JOHN H. TRAYNE, OF GROTON, MASSACHUSETTS, ASSIGNOR TO ELMA MFG. CO., A CORPORATION OF MASSACHUSETTS.

TOOTH-BRUSH HOLDER.

1,079,618. Specification of Letters Patent. Patented Nov. 25, 1913.

Application filed August 7, 1912. Serial No. 713,711.

To all whom it may concern:

Be it known that I, JOHN H. TRAYNE, a citizen of the United States, residing at Groton, in the county of Middlesex and State of Massachusetts, have invented new and useful Improvements in Tooth-Brush Holders, of which the following is a specification.

This invention relates to a device for holding a tooth brush when the same is not in use, the object of the invention being to provide a neat and ornamental device which can be attached to the wall of a bath room or lavatory and which will hold the tooth brush suspended within a receptacle, preferably of glass, and so inclose the same that no dust or dirt can get into the bristles of the brush.

The object is further to provide a device of the character set forth which is so constructed that the glass receptacle may be easily detached from the main portion of the holder to enable the same to be thoroughly cleansed.

The invention consists in the combination and arrangement of parts set forth in the following specification and particularly pointed out in the claim thereof.

Referring to the drawings: Figure 1 is a front elevation of my improved tooth brush holder showing a tooth brush suspended therein. Fig. 2 is a sectional elevation taken on line 2—2 of Fig. 1 showing the brush partly withdrawn from the holder. Fig. 3 is a plan view of the holder with the brush removed.

Like numerals refer to like parts throughout the several views of the drawings.

In the drawings, 5 is a bracket formed of sheet metal and consisting of a plate 6 adapted to be fastened to a wall and having an annular arm 7 at the bottom thereof adapted to receive the lower end of a bottle 8. The upper end of said bottle is partly encircled by a U-shaped arm 9 which is fastened by a rivet 10 to the plate 6. The annular arm 7 is preferably formed integral with the plate 6. A cap 11 has screw-threaded engagement with the neck 12 of said bottle and has a hole 13 extending through the top thereof. A disk 14 of elastic material, preferably rubber, is clamped to the top of the bottle by the cap 11, said disk and cap forming together a closure for the bottle 8. The disk 14 has a circular hole 15 therein of a diameter less than the distance across the hole 13 in the cap 11. A drip hole 16 is provided in the bottom of the bottle 8 through which liquid may pass out of the bottle. The brush 17, when placed in the holder, is preferably placed in the position illustrated in Fig. 1, wherein the handle 18 of said brush is firmly clasped by the rubber disk 14 so that the brush is held suspended within said bottle by said disk and cap.

When the holder is in use it is fastened preferably to a wall 19 by means of screws 20, as illustrated in Fig. 2.

My improved holder is used in connection with a tooth brush in the following manner: Assuming the bracket 5 of the holder to be attached to a wall or any suitable support by means of the screws 20 and that the brush is held suspended within the bottle, as illustrated in Fig. 1, with the handle 18 projecting through the hole 15 in the elastic disk 14, the user removes the brush from the bottle by grasping the handle 18 and pulling upwardly thereon. The bristles 21 of the brush as they pass through the hole 15 in the disk 14 cause the rubber of the disk to stretch, as illustrated in Fig. 2, and the bristles are scraped by the rubber and by the edge of the hole 13 in the cap 11. When the brush is inserted in the bottle, the reverse of this operation will be performed and the bristles will in that case again be cleansed and the water pressed out of the same when they are forced through the hole 15 in the disk 14.

The U-shaped arm 9 is preferably formed of spring metal so that the bottle can be forced down through the space between the two sides of the U-shaped arm and into the hole 22 in the annular arm 7. Thus the bottle will be held firmly in position so that the brush can be inserted and removed with one hand and without holding onto the bottle if desired, said U-shaped arm performing the function of holding the bottle against tipping and also preventing the same from being withdrawn from the annular arm 7 when the brush is pulled upwardly.

If desired, to cleanse the brush and dry the same more thoroughly it can be pushed upwardly and downwardly through the disk 14 several times.

Having thus described my invention, what

I claim and desire by Letters Patent to secure is:

A tooth brush holder having, in combination, a bottle tapered toward and provided with a hole at its lower end, a bracket consisting of a plate adapted to be fastened to a wall and having an annular arm adapted to receive the lower end of said bottle and a U-shaped spring arm secured to said plate and adapted to partly encircle and grip said bottle.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

JOHN H. TRAYNE.

Witnesses:
CHARLES S. GOODING,
SYDNEY E. TAFT.