

(No Model.)

S. ZUCKER.
TOOTH BRUSH.

No. 530,153.

Patented Dec. 4, 1894.

FIG. 1

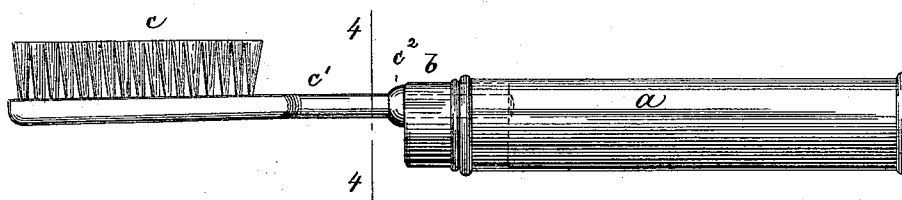


FIG. 2.

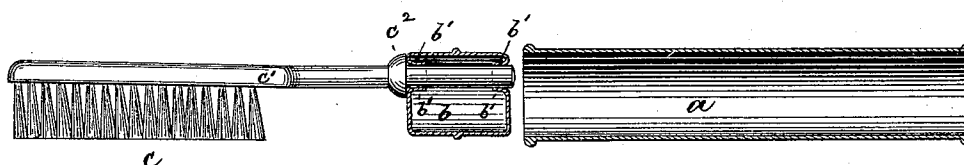


FIG. 3.

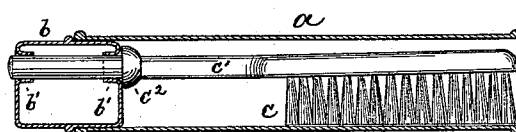
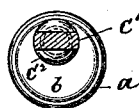


FIG. 4.



Witnesses:

John Becker
Theodore Becker.

Inventor:

Samuel Zucker
by his attorneys
Roeder & Briesen

UNITED STATES PATENT OFFICE.

SAMUEL ZUCKER, OF NEW YORK, N. Y.

TOOTH-BRUSH.

SPECIFICATION forming part of Letters Patent No. 530,153, dated December 4, 1894.

Application filed September 29, 1894. Serial No. 524,469. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL ZUCKER, of New York city, New York, have invented an Improved Tooth-Brush, of which the following is a specification.

This invention relates to a tooth brush, which is so constructed that its head may be protected when not in use, by being slipped into a hollow handle. Thus the tooth brush is particularly useful on the road, though of course it is also highly useful for domestic purposes.

In the accompanying drawings: Figure 1 is an elevation of my improved tooth brush showing it open and ready for use. Fig. 2 is a similar view showing the parts in a different position. Fig. 3 is a longitudinal section thereof showing the brush closed, and Fig. 4 a cross section on line 4, 4, Fig. 1.

The letter *a*, represents the tubular handle of a tooth brush, the open end of which is engaged by a reversible plug *b*. To this plug there is secured the stem *c*, of the head. This stem passes eccentrically through the

plug (Fig. 4) and may be revolved, so that the tufts point either outward (Fig. 1) or inward (Fig. 2). To hold the stem in place, it is provided with a shoulder *c*², while the metal of the plug *b*, is turned inward as at *b'*, around the stem, to constitute a contact surface.

In use the brush is opened and the stem is revolved, until the tufts point outward (Fig. 1) when the handle will not interfere with the free manipulation of the brush.

When the brush is to be put away, its head is revolved so that the tufts point inward (Fig. 2) and then the plug *b*, is reversed (Fig. 3) to introduce the brush head into the hollow handle.

What I claim is—

A tooth brush composed of a hollow handle, a reversible plug, and a brush having a stem which is eccentric to and revoluble within said plug, substantially as specified.

SAML. ZUCKER.

Witnesses:

WILLIAM SCHULZ,
F. V. BRIESEN.