

No. 632,524.

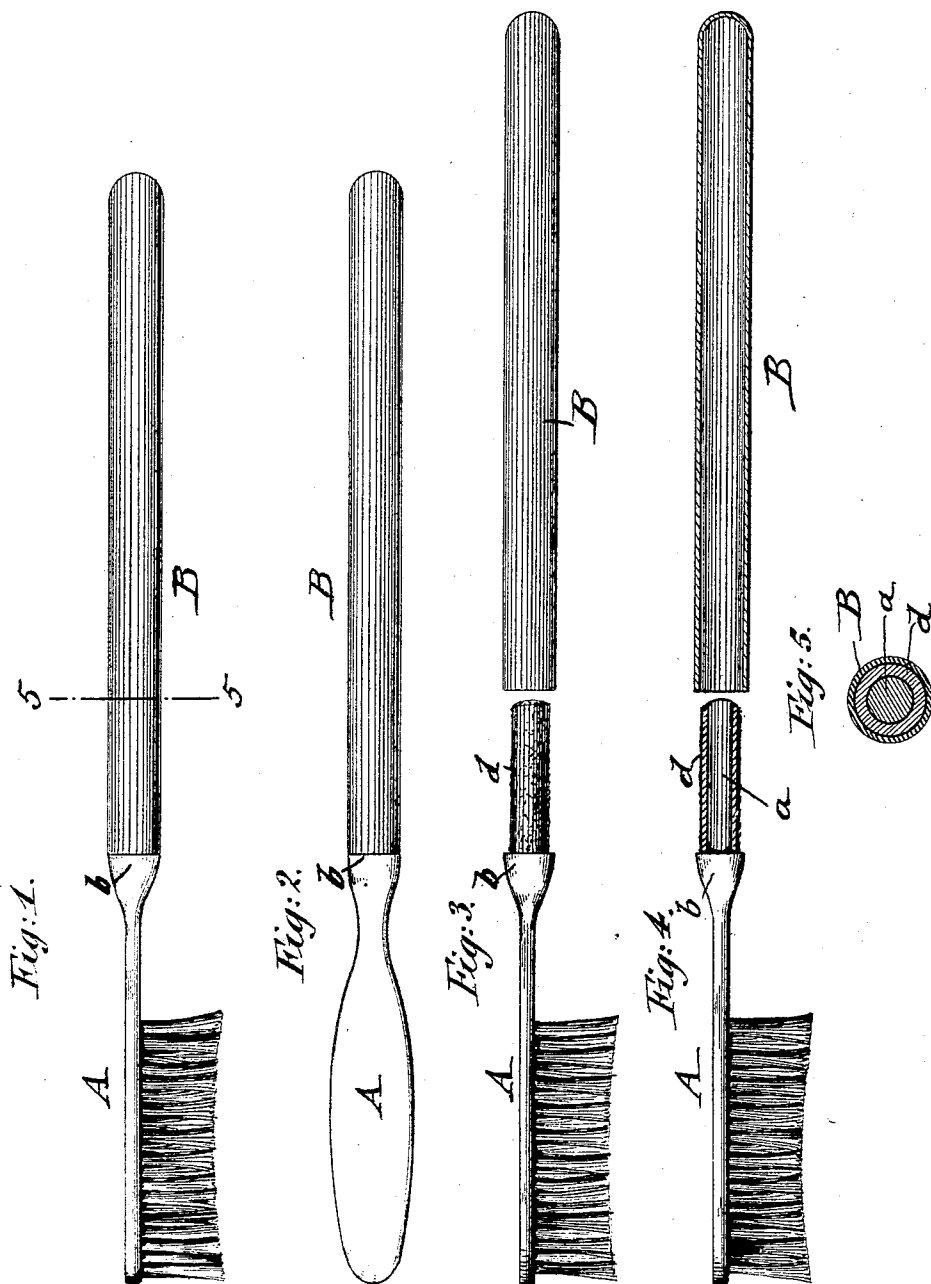
Patented Sept. 5, 1899.

A. V. GOLTERMANN.

TOOTH BRUSH.

(Application filed Mar. 7, 1899.)

(No Model.)



WITNESSES:
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UNITED STATES PATENT OFFICE.

ADA V. GOLTERMANN, OF EAST ORANGE, NEW JERSEY.

TOOTH-BRUSH.

SPECIFICATION forming part of Letters Patent No. 632,524, dated September 5, 1899.

Application filed March 7, 1899. Serial No. 708,088. (No model.)

To all whom it may concern:

Be it known that I, ADA V. GOLTERMANN, a citizen of the United States, residing in East Orange, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Tooth-Brushes, of which the following is a specification.

This invention relates to an improved tooth-brush in which, in place of a stationary handle integral with the brush-head, a detachable handle is employed, which can be used in connection with a number of brush-heads as one after the other is gradually worn out by use; and the invention consists of a tooth-brush consisting of a brush-head having a short shank, an enlarged shoulder near the brush-head, a detachable tubular handle, and an elastic packing-sleeve interposed between the shank and handle.

In the accompanying drawings, Figures 1 and 2 represent, respectively, a side view and a plan view of my improved tooth-brush. Fig. 3 is a side elevation of the brush shown as detached from the handle. Fig. 4 is a vertical longitudinal section of the same, also detached from the handle; and Fig. 5 is a vertical transverse section on line 5 5, Fig. 1, drawn on a larger scale.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A represents the brush-head of my improved tooth-brush, which is made in the usual manner and provided with a short shank *a*. Adjacent to the brush-head A is arranged an enlargement or shoulder *b* on the shank, against which abuts a tubular handle B, which may be made of hard rubber, celluloid, sheet metal, or any other suitable material, plain or ornamented,

as desired. The tubular handle B is tightly fitted on the shank *a* of the brush-head A by means of an interposed packing-sleeve *d*, which is made of cork, leather, felt, or other suitable elastic material, so that a tight connection between the brush and the handle is obtained, while at the same time the handle can be readily detached from the brush-head whenever it is desired to remove a worn-out brush and apply it to a new brush-head. In placing the tooth-brush on the market it is intended to supply a box containing a handle and about half a dozen brush-heads. The sleeves are secured on the shank by a suitable cement, so as not to get loose on the same, and are preferably made of cork, which possesses the proper degree of elasticity and frictional surface, so that a firm connection is made when the shank is inserted in the tubular handle. Besides tooth-brushes, nail and other brushes can be made up in the same manner.

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

A tooth-brush, consisting of a brush-head having a short shank, an enlarged shoulder on said shank near the head, a detachable tubular handle, and an elastic packing-sleeve interposed between the shank and handle, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

ADA V. GOLTERMANN.

Witnesses:

PAUL GOEPFEL,
M. H. WURTZEL.