W. P. WELCH.

COMBINED TOOTH BRUSH AND HOLDER.

APPLICATION FILED MAR. 30, 1912.

1,052,539. Patented Feb. 11, 1913

FIG. 1.

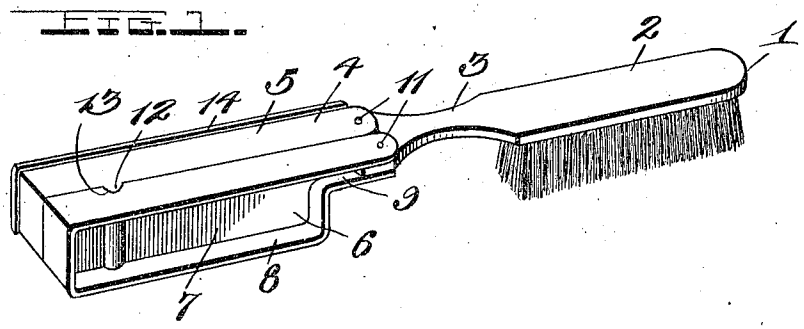


FIG. 2.

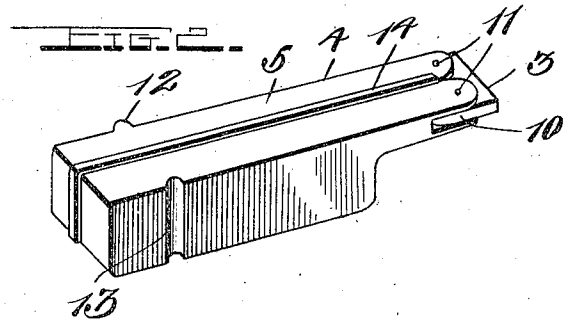
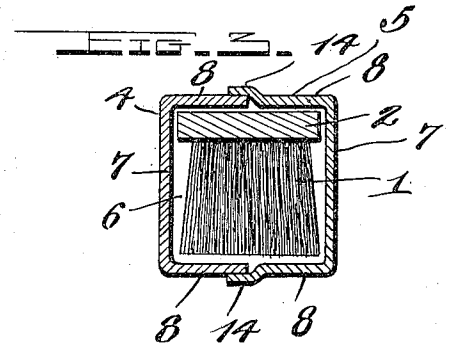


FIG. 3.



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UNITED STATES PATENT OFFICE.

WILLIAM P. WELCH, OF ADRIAN, MICHIGAN.

COMBINED TOOTH-BRUSH AND HOLDER.

1,052,539. Specification of Letters Patent. Patented Feb. 11, 1913.

Application filed March 30, 1912. Serial No. 687,496.

To all whom it may concern:

Be it known that I, WILLIAM P. WELCH, a citizen of the United States, residing at Adrian, in the county of Lenawee and State of Michigan, have invented certain new and useful Improvements in Combined Tooth-Brushes and Holders, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to new and useful improvements in toilet articles and more particularly to that type of toilet articles wherein a tooth-brush is combined with a holder or holding-case to provide a combination device for holding, carrying, and housing a tooth-brush.

The object of the invention is to provide a simple and practical combined tooth-brush and holder having means for folding the brush proper into a small compass and thoroughly housing the same when not in use, so that it may be readily carried in the pocket or otherwise, while at the same time being effectually protected from dust or contamination by other foreign substances.

Another object of the invention is to provide a device of this character which will possess advantages in points of efficiency and durability, is inexpensive of manufacture and at the same time is simple in construction and operation.

With the above and other objects in view the invention consists in the novel features of construction and the combination and arrangement of parts hereinafter more fully described pointed out in the claims and shown in the accompanying drawings in which:

Figure 1 is a perspective view showing the brush in its open position; Fig. 2 is a perspective view of the holder, the brush being inclosed therein; and Fig. 3 is a transverse sectional view of the holder, the brush being inclosed therein.

Referring more particularly to the drawings 1 indicates the brush proper, which may be of any approved or conventional type of tooth-brush, the same essentially consisting of the brush head 2 and the carrying shank 3, which latter is ordinarily of sufficient length to constitute the handle of the brush. The present invention contemplates shortening the carrying-shank 3 and combining therewith the holder 4, which not only constitutes the main handle or grip of the brush, but also acts as a protective housing therefor when not in use.

The holder 4 is of a sufficient size to accommodate the entire brush, including the head 2 and the shank 3, and consists of the two sections 5 and 6 having one of their ends pivotally secured to the end of the shank 3 and adapted to inclose the entire brush. Each of the sections is provided with an imperforated bottom 7 and a surrounding flange-wall 8, providing a holder, when the open sides of the section are brought together, of sufficient size for the brush proper.

Each of the sections 5 and 6 is provided with a reduced extension 9 formed on one end and arranged at one side thereof which is cut away at the bottom as shown at 10 and the side walls pivotally secured to the end of the shank 3 by means of the pin 11. The sections 5 and 6 are preferably made of celluloid, aluminum or other suitable material which will be light and durable. It will be seen that by having the sections pivotally secured to the shank 3 as above described the sections, when closed, can be unfolded in opposite directions away from the brush and the bottoms 7 brought squarely together to form a handle. The sections when in an open position being held against movement by having the rib 12, formed on one of the sections, arranged in the transverse groove 13 formed in the other section.

When the sections are folded they are swung away from each other, toward the brush, over which they close, the extension edges 14 overlapping to hold the sections in a closed position.

From the above it will be readily seen that I have provided a simple and practical combined tooth-brush and holder having means for folding the brush proper into a small compass and thoroughly housing the same when not in use, so that it may be readily carried in the pocket or otherwise, while at the same time being effectually protected from dust or contamination by other foreign substances.

While I have shown and described the preferred form of my invention it will be obvious that various changes in the details of construction and in the proportions may be resorted to for successfully carrying my invention into practice without sacrificing any of the novel features or departing from the scope thereof.

Having thus described the invention what is claimed is:—

1. In a device of the character described, the combination of a brush, having a truncated shank, a holder comprising two box sections having one end pivotally secured to the end of the shank and adapted to close over the brush, extension edges formed on said sections and adapted to overlap to retain the sections in a closed position, said sections forming a handle when swung laterally in opposite directions to an open position, and means for preventing longitudinal movement of the sections when in an open position.

2. In a device of the character described, the combination of a brush having a truncated shank, a holder comprising two box sections having one end pivotally secured to the end of the shank and adapted to close over the brush, extension edges formed on said sections and adapted to overlap to retain the sections in a closed position, said sections being swung laterally in opposite directions to an open position, and oppositely disposed when in an open position to form a handle, one of said sections having a transverse groove formed in the outer face thereof, a rib formed on the outer face of the other section and disposed in said groove when the sections are open to prevent longitudinal movement thereof.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

WILLIAM P. WELCH.

Witnesses:
R. M. STETSON,
C. E. SIMMONS.