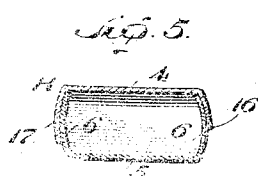
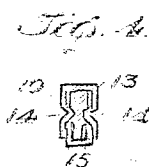
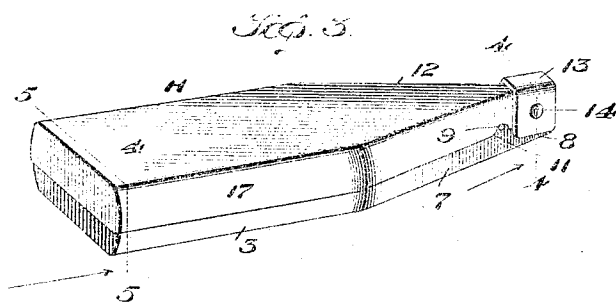
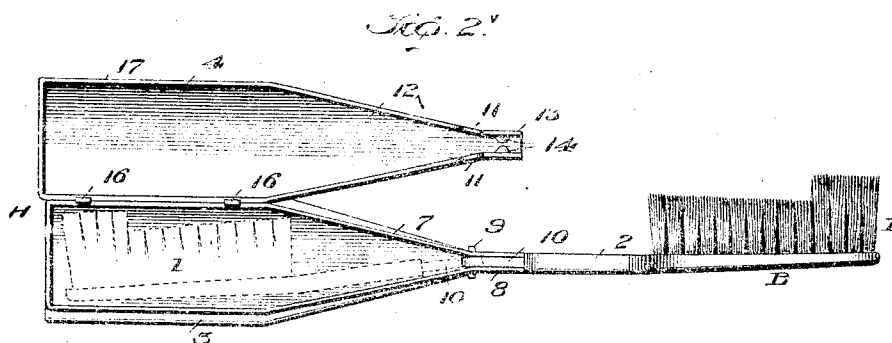
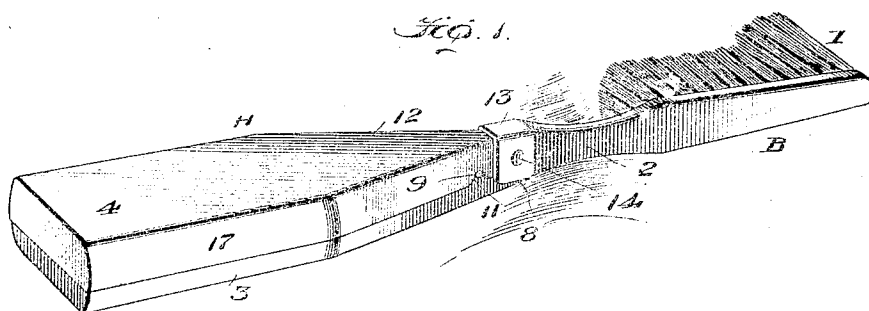


No. 835,365.

PATENTED NOV. 6, 1906.

R. W. MORGAN.
COMBINED TOOTH BRUSH AND HOLDER.

APPLICATION FILED JUNE 15, 1906.



WITNESSES:

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UNITED STATES PATENT OFFICE.

ROBERT W. MORGAN, OF YOUNGSTOWN, OHIO.

COMBINED TOOTH-BRUSH AND HOLDER.

No. 835,365.

Specification of Letters Patent.

Patented Nov. 6, 1906.

Application filed June 15, 1906. Serial No. 321,918.

To all whom it may concern:

Be it known that I, ROBERT W. MORGAN, a citizen of the United States, residing at Youngstown, in the county of Mahoning and State of Ohio, have invented certain new and useful Improvements in a Combined Tooth-Brush and Holder, of which the following is a specification.

This invention relates 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.

To this end the invention contemplates 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 is to provide a novel construction of holder embodying means not only for housing the brush proper in its folded position, but also serving to rigidly and firmly support the brush in its extended operative position. Furthermore, in carrying out this function the improved holder provides a substantial holder for the brush.

With these and other objects in view, which will more readily appear as the nature of the invention is better understood, the same consists in the novel construction, combination, and arrangement of parts hereinafter more fully described, illustrated, and claimed.

The essential features of the invention involved in carrying out the foregoing objects may be modified to some extent without departing from the scope of the invention; but a preferred embodiment thereof is shown in the accompanying drawings, in which—

Figure 1 is a perspective view of the combined tooth-brush and holder embodying the present invention. Fig. 2 is a plan view of the device, showing the holder thrown open and illustrating the brush proper in two positions. Fig. 3 is a perspective view of the device folded and the brush housed within its holder. Fig. 4 is a detail sectional view on the line 4 4 of Fig. 3. Fig. 5 is a detail cross-sectional view on the line 5 5 of Fig. 3.

Like references designate corresponding parts in the several figures of the drawings.

The present invention comprises two prin-

cipal parts—viz., the brush proper and a holder therefor—designated, respectively, by the reference characters B and H.

The brush proper, B, may be any approved or conventional type of tooth-brush, the same essentially consisting of the brush-head 1 and the carrying-shank 2, which latter is ordinarily of sufficient length to constitute the handle of the brush. The present invention contemplates shortening the carrying-shank 2 and combining therewith the holder H, 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 H is of a sufficient size to accommodate the entire brush B, including the head 1 and the shank 2, and consists of a box-casing 3 and a hinged cover member 4. The box-casing is provided with an imperforated bottom 5 and a surrounding flange-wall 6, providing a box of sufficient depth and size for the brush proper; but in order to preserve proper handle outlines and also to facilitate the holding of the cover 4 in its closed position the side walls of the box-casing 3 are preferably outwardly bowed or convexed, as plainly shown in Fig. 5 of the drawings.

In addition to the details mentioned the box-casing 3 is provided with a tapered end portion 7, terminating in a U-shaped holding-clip 8, within which is pivotally mounted upon the pivot-pin or stud 9 one end portion of the brush-carrying shank 2. The box-casing is preferably made of sheet metal, and the cheeks of the holding-clip 8 are designed to snugly fit the rabbeted faces 10 at the pivoted end of the shank 2, and the pivot-pin or stud 9 projects beyond both sides of the clip 8 to form stop members engaged by the stop-notches 11, provided in opposite edges of the tapered end portion 12 of the hinged cover member 4.

The hinged cover member 4 is practically a complement of the box-casing 3 and is likewise of a flanged formation. Also said cover member terminates at the outer end of its tapered portion 12 in a U-shaped holding-clip 13, adapted to overlap the clip 8, and whose side cheeks or walls are of a sufficient resiliency to provide a definite spring gripping action. This gripping action cooperating with that of the clip 8 serves to tightly and rigidly hold the brush-shank 2 in its extended position; but to effect definite locking

at this point the resilient cheeks of the clip 13 may be provided at their inner sides with catch projections 14, adapted to spring in and out of keeper-openings 15 in the sides of the clip 8. This construction permits the catch projections 14 to directly engage the sides of the shank 2, and thereby materially assist holding the same rigid and fast in its extended position.

It is also preferable in carrying out the invention to hinge the cover 4 to one side wall of the casing 3, as at 16, below the edge of said wall and provide the cover at its opposite side with an extended spring-lip 17, adapted to project below the horizontal center of the casing and slidably engage over one of the outwardly-bowed side walls thereof. This provides a clasp action for holding the cover closed and also renders the casing dust-proof.

From the foregoing it is thought that the construction, use, and advantages of the herein-described toilet article will be apparent without further description.

I claim—

1. In a device of the class described, a holder consisting of a fixed casing and a hinged cover member provided with complementary overlapping holding-clips having a resilient clasp action, and a brush proper having a carrying-shank pivotally mounted in the clip of the casing.

2. In a device of the class described, a flanged box-casing provided at one end with

a U-shaped holding-clip, a brush proper having a carrying-shank pivotally mounted in said clip, and a hinged cover member for the casing provided with a U-shaped holding-clip overlapping that of the casing and having resilient cheeks clasp said casing-clip and the brush-shank.

3. In a device of the class described, a flanged box-casing having a tapered end portion provided with a U-shaped holding-clip having side keeper-openings, the brush having its shank pivotally mounted in said clip, and a hinged cover member for the casing also having a tapered end portion provided with a U-shaped holding-clip overlapping that of the casing, and having resilient cheeks carrying catch projections engaging said keeper-openings and the sides of the brush-shank.

4. In a device of the class described, a box-casing having curved side walls, a cover member for the casing hinged to one side thereof, and provided at its free edge with an extended spring-lip engaging over the curved side of the casing and projecting below the center of the holder to secure a clasp action, and a brush proper pivoted to the casing and foldable into and out of the same.

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

ROBERT W. MORGAN.

Witnesses:

J. P. FRANCIS,

J. W. BRENNEN.