No. 634,546. Patented Oct. 10, 1899.

C. E. THOMPSON.

BRUSH.

(Application filed July 1, 1899.)

(No Model.)

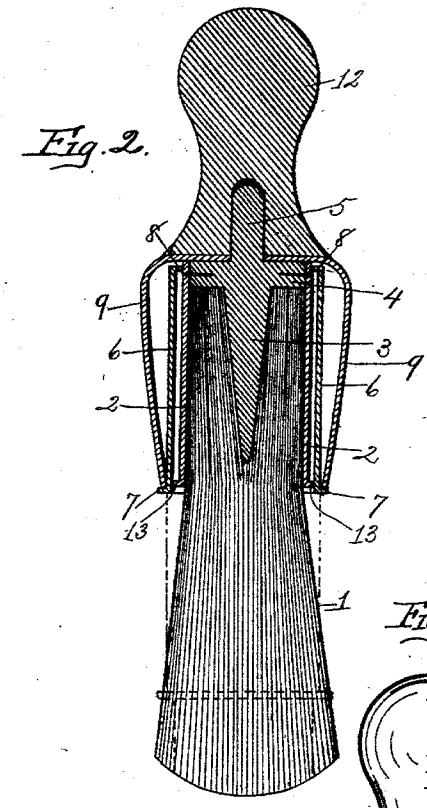


Fig. 2.

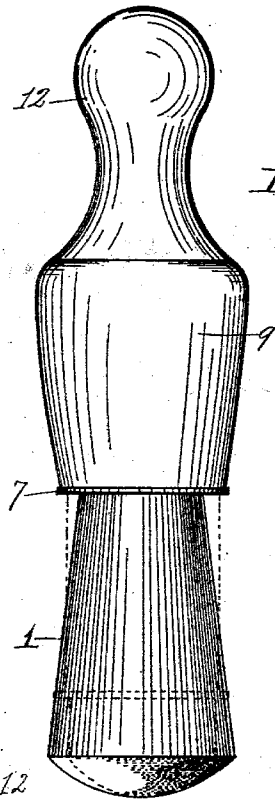


Fig. 1.

Fig. 7.

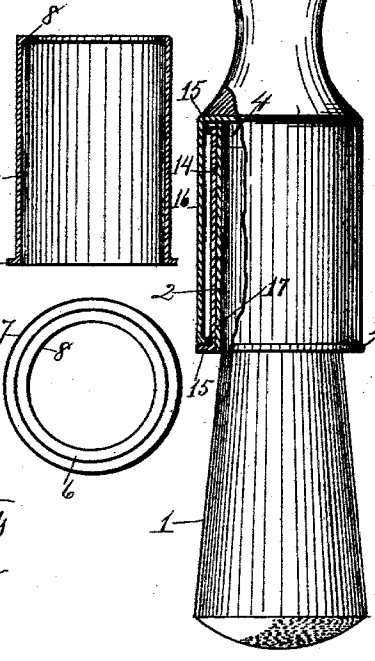


Fig. 3.

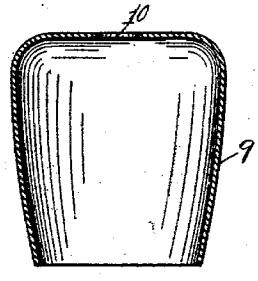


Fig. 5.

Fig. 4.

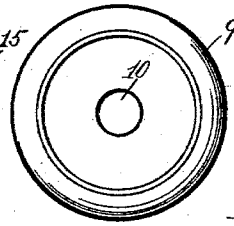


Fig. 6.

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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

CHARLES E. THOMPSON, OF LANSINGBURG, NEW YORK.

BRUSH.

SPECIFICATION forming part of Letters Patent No. 634,546, dated October 10, 1899.

Application filed July 1, 1899. Serial No. 722,504. (No model.)

To all whom it may concern:

Be it known that I, CHARLES E. THOMPSON, a citizen of the United States, residing at Lansingburg, county of Rensselaer, and State of New York, have invented certain new and useful Improvements in Brushes, of which the following is a specification.

The invention relates to such improvements; and it consists of the novel construction and combination of parts hereinafter described and subsequently claimed.

Reference may be had to the accompanying drawings, and the reference characters marked thereon, which form a part of this specification.

Similar characters refer to similar parts in the several figures.

Figure 1 of the drawings is a side view of my improved brush. Fig. 2 is a central longitudinal section of the same. Fig. 3 is a similar section of the slide-tube detached. Fig. 4 is an end view of the same. Fig. 5 is a central longitudinal section of the pocket-sleeve detached. Fig. 6 is an end view of the same. Fig. 7 is a view, partly in side elevation and partly in vertical section, of a brush embodying my invention in slightly-modified form.

1 is the bristle-tuft, which is inserted in the tubular support 2 and secured therein by means of cement in the usual well-known manner. The conical plug 3, having the annular flange 4 and stem 5, is driven into the butt-end of the tuft in the usual well-known manner and so that the annular flange will be inclosed by and fit the inner end of the tubular support. The slide-tube 6, provided on its outer end with the exterior flange 7 and on its inner end with the interior flange 8, is then slipped on over the inner end of the support, as seen in Fig. 2, and the pocket-sleeve 9 is slipped on over the slide-tube, as seen in the same Fig. 2. The inner end of the pocket-sleeve is provided with a small aperture 10, adapted to receive and fit the stem 5. After the sleeve has been thus placed the handle 12, having a central socket adapted to receive the stem 5, is glued onto the stem in the position shown, thereby securely holding the sleeve in place. The outer end of the tubular support is preferably provided with the exterior flange 13, adapted to be engaged by the interior flange of the slide-tube when the latter is slid out from the pocket-sleeve and prevent its inner end from escaping beyond the outer end of the pocket-sleeve or tuft-support. The slide-tube can thus be slid out approximately its entire length and no farther. Its extended position is indicated by dotted lines in Figs. 1 and 2. I am thus able to provide a keeper for the bristle-tuft that can be extended when the brush is not in use out along the tuft to the position indicated by the dotted lines, where it will serve to prevent the tuft of bristles from being broken down or the individual bristles from diverging to such an extent as to impair the usefulness of the brush, as frequently happens when the knot or tuft is unprotected. Sliding the tube out along the tuft will serve to straighten out any individual bristles which may have been accidentally bent over or away from the body of the tuft.

My improved device is especially applicable to shaving-brushes, and when the slide-tube is fully extended to inclose most of the bristle-tuft the brush while out of use can be safely deposited in a shaving-cup in a vertical position, where it will be supported on the outer end of the tuft without injury to the brush.

The pocket-sleeve serves as an ornamental part of the handle and to wholly conceal the slide-tube while the brush is in use or the tube withdrawn from the tuft of bristles.

In Fig. 7 I have shown a modified construction wherein the slide-tube 14 is provided with exterior annular flanges 15 on its opposite ends and the pocket-sleeve 16 with an introverted flange 17 on its outer end located intermediately of the tube-flanges 15 and forming a stop for limiting both the inward and outward movement of the slide-tube. In this construction the slide-tube can be made to more closely fit the tubular bristle-support and the exterior flange 13 on the bristle-support can be dispensed with.

What I claim as new, and desire to secure by Letters Patent, is—

In a brush, the combination with the bristle-

tuft, and tuft-support; of a slide-tube inclosing the support and tuft and movable longitudinally thereon; a tube-inclosing pocket-sleeve; a stop located intermediately of the ends of the bristle-tuft; and a stop on the inner end of the slide-tube engageable with the stationary stop, substantially as described.

In testimony whereof I have hereunto set my hand this 26th day of June, 1899.

CHAS. E. THOMPSON.

Witnesses:
GEO. A. MOSHER,
GEO. M. PAYFER.