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B. A. BABEL

2,386,085

TOOTH BRUSH

Filed July 7, 1943

Fig. 1.

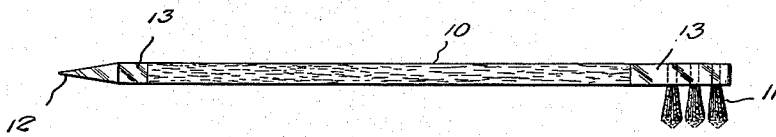


Fig. 2.

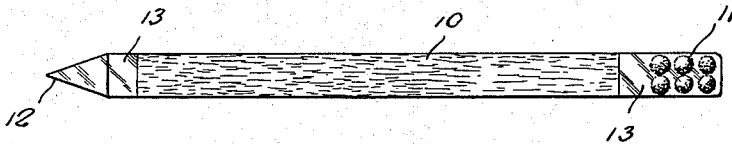


Fig. 3.

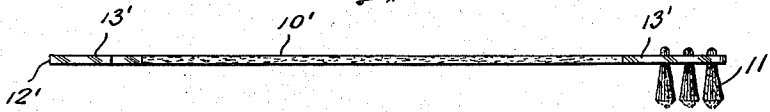


Fig. 4.

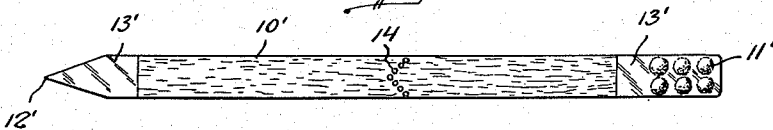


Fig. 5.

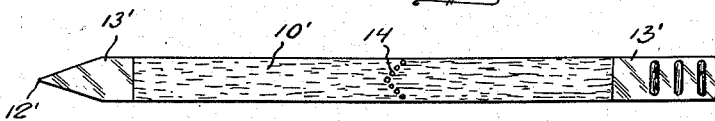


Fig. 6.



Inventor
Byron A. Babel,

By *Bernard J. Gandy*
Attorney

UNITED STATES PATENT OFFICE

2,386,085

TOOTHBRUSH

Byron A. Babel, Highland, Calif.

Application July 7, 1943, Serial No. 493,768

1 Claim. (Cl. 15-167)

The present invention relates to tooth brushes, and comprehends an article of this character primarily intended for use by transients in depots, bus stations, rest rooms, gymnasiums, etc., the brush being impregnated with a dentifrice and ready for use, and so cheaply constructed that it is intended to be used but once, and then discarded.

The chief characteristic of the instant invention resides in the fact that the handle of the brush is made of a material that will readily soften and sufficiently disintegrate when placed in water, so that if it is deposited in a toilet, the possibility of plumbing trouble is avoided.

In carrying out my invention, I also contemplate constructing the handle of material of the above mentioned character possessing sufficient rigidity for use, and yet capable of being broken into smaller pieces prior to being discarded.

Another object of the invention resides in the provision of a ready to use tooth brush intended to be used but once and then discarded, the handle being designed at one end to also permit of its use as a tooth pick.

The nature and advantages of the invention will be better understood from the following detail description when read in connection with the accompanying drawing, the invention residing in the construction, combination and arrangement of parts as claimed.

In the drawing forming part of this application, like numerals of reference indicate similar parts in the several views, and wherein:

Figure 1 is a side elevation of a tooth brush constructed in accordance with one embodiment of the invention.

Figure 2 is a plan view thereof.

Figure 3 is a side elevation of another form of the invention.

Figure 4 is a top plan view thereof.

Figure 5 is a bottom plan view thereof.

Figure 6 is an end elevation.

Referring to the drawing in detail, and more particularly to Figures 1 and 2, 10 indicates the handle of the brush and 11 the bristles which may of course be secured to the handle in any suitable manner. The outer end of the handle is pointed as at 12 to permit of its use as a tooth pick. As hereinabove stated the handle 10 is made out of any suitable material, such as pulp, cardboard or the like capable of absorbing water and become readily softened, so that if the brush is deposited in a toilet, the possibility of plumbing trouble is avoided. Consequently, by virtue of the

material from which the handle is made, the portion thereof supporting the bristles 11, and the pointed extremity 12 may if desired be treated with a waterproof substance, so that these portions will not become unduly softened incident to their use for the purposes intended. When the handle 10 is made of certain kinds of material capable of becoming readily softened and partially disintegrated when placed in water, it will be made of sufficient thickness to afford it the necessary rigidity for use, as clearly illustrated in Figure 1.

However, the handle 10 can be made comparatively thin from cardboard or the like, as shown in Figures 3 to 6 inclusive and possess the desired rigidity for use. In this embodiment of the invention, the handle is indicated at 10' and the bristles at 11'. The outer end of the handle is pointed as at 12' for use as a tooth pick, while this end of the handle and the portion thereof supporting the bristles are preferably treated with a waterproof substance 13' for the purpose hereinabove stated. The handle 10' can also be quickly broken into smaller pieces, if desired, before being discarded. For this purpose, the handle 10' is provided with perforations 14 so arranged that they do not weaken or detract from the rigidity of the handle incident to the use of the brush, yet permit the handle to be easily broken in two. The brush in its entirety can be manufactured for sale at a very small cost, so that it can be used once, and then discarded. The bristles 11' are impregnated with a suitable dentifrice, thus providing a ready to use tooth brush. The article may if desired be encased in a covering of Cellophane or the like.

While it is believed that the nature and advantages of the invention are readily apparent from the foregoing, I desire to have it understood that I do not limit myself to what is herein shown or described, and that such changes may be resorted to when desired as fall within the scope of what is claimed.

What is claimed is:

1. A ready to use disposable tooth brush including a water soluble handle equipped with a waterproofed terminal, dentifrice impregnated bristles extending from said waterproofed terminal, the handle being provided with perforations approximately midway its ends to facilitate breaking of the handle, preparatory to disposing of the tooth brush.

BYRON A. BABEL.