

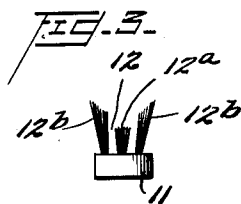
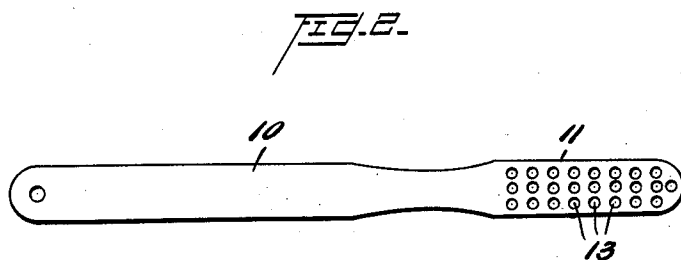
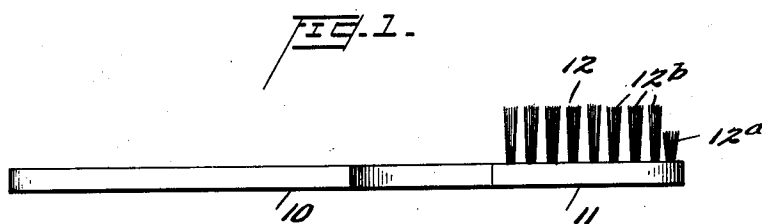
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TOOTH AND MASSAGE BRUSH

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UNITED STATES PATENT OFFICE.

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TOOTH AND MASSAGE BRUSH.

Application filed April 15, 1927. Serial No. 184,128.

This invention relates to brushes, and particularly to brushes for cleaning the teeth and gums.

The principal object of this invention is the provision of a brush which will thoroughly clean the teeth and at the same time clean and massage the gums without injuring them.

Another object is the provision of such a brush in which the bristles are arranged in closely assembled relation in the head of the brush but are capable of spreading to cover a considerable surface when the brush is in use.

Other objects will be apparent from the following description taken in connection with the accompanying drawings forming a part of this application, and in which:

Figure 1 is a side view in elevation of a brush embodying this invention;

Figure 2 is a top plan view of the brush without the bristles; and

Figure 3 is an end elevation of the head of the brush.

Referring particularly to the drawings in which like characters refer to like parts throughout, 10 denotes the handle or stock of the brush. This handle may be made of any suitable material and of any desired shape or configuration, either straight or curved, and is provided at one end with a head 11 adapted to receive tufts of bristles 12. The bristles may be secured in the head by having the head molded about their ends, inserting the ends of the tufts in holes drilled in the head or in any other well known manner. In the particular embodiment illustrated the head is provided with a plurality of longitudinal rows of holes 13, as clearly shown in Fig. 2.

The intermediate row or rows of bristles 12^a are relatively stiff and short and are

bound in the head with the central axes of the tufts disposed substantially normal to the surface of the head. The outer row or rows of bristles 12^b on either side of the intermediate rows are relatively soft and long and are bound in the head with the central axes of the tufts inclined outwardly from the intermediate rows. Thus, when the brush is pressed upon the teeth and gums the outer rows of long bristles spread out because of their inclination from the central rows and one of the outer rows of bristles, depending upon which side is above the roots of the teeth, will clean and massage the gums. The bristles of these outer rows being relatively soft will not scratch or injure the gums, while the relatively short and stiff intermediate rows of bristles will be sufficiently strong to thoroughly clean the surfaces and interstices of the teeth.

While one form of this invention has been illustrated and described particularly, it is to be understood that certain changes and modifications are contemplated and may be made within the spirit of the invention as expressed in the appended claim.

Having thus described the invention, what is claimed as new and desired to be secured by Letters Patent is:

A tooth and massage brush comprising a handle and a head, the head having on each side edge a row of tufts of bristles which are inclined outwardly and are relatively long and of soft fibre and adapted to massage the gums and having an intermediate row of tufts of bristles which are relatively short and stiff and adapted to cleanse the teeth, substantially as described.

In testimony whereof I hereunto affix my signature.

ROSCOE M. SHEETZ.