

PATENT SPECIFICATION

DRAWINGS ATTACHED

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Index at acceptance:—A4 K5

International Classification:—A 46 b

COMPLETE SPECIFICATION

Improvements in or relating to Toothbrushes

I, JAMES MAGNUS ROBERTSON, of Suite E1., 5th Floor, MacDonald House, Singapore 9, a British Subject, do hereby declare the invention for which I pray that a patent may be granted to me, and the method by which it is to be performed, to be particularly described in and by the following statement:—

This invention relates to toothbrushes having a handle and a mirror fixed to the handle at the end thereof remote from the bristles, the arrangement being such that the mirror can be inserted into the mouth of the user of the brush for the purposes of inspecting the condition of the user's teeth and gums.

A toothbrush of the above kind made in accordance with the invention is characterised in that the end of the handle to which the mirror is fixed is inclined outwardly so that the mirror is at a predetermined angle to the handle.

Figs. 1, 2 and 3 of the accompanying drawings illustrate by way of example a toothbrush made in accordance with the invention, Fig. 1 being a front elevation, Fig. 2 a side elevation, and Fig. 3 a section one Line III—III, Fig. 1.

In the drawings 10 is the handle and 11 the bristle head of the brush. The handle may be made of any suitable material and in the form shown in the drawings it is made of synthetic plastics material. The end of the handle remote from the end carrying the bristles is formed with a circular frame 12 in which is fitted a mirror 13. The frame is directed outwardly at an angle of approximately 125° to the handle.

The arrangement shown in the drawings may be modified in various ways within the scope of the appended claims. For example as shown in the drawings the frame 12 projects from the same side of the handle as the

bristles but it may be arranged to project from the opposite side. The angle at which the frame projects from the side of the brush may be greater or less than 125°. Further, instead of being formed integral with the handle the frame may be formed separately and fixed by any suitable means (e.g. by riveting) to the handle. Again the frame 12 (and mirror 13) may have a shape other than circular, it can for example be of elliptical or polygonal shape.

In use the mirror enables the user of the brush to examine his (or her) teeth to locate at an early date dental troubles such as abrasions caused by the wrong use of a tooth brush, gum recessions, abscess formation, dental caries, broken down fittings, pockets forming between teeth, malformation of wisdom teeth, teeth loosening out of position, cavity formation, the presence of salivary calculus, the condition of crown and bridge work, and gum condition, and to ascertain whether scaling and cleaning are required and whether the teeth have been effectively cleaned as a result of brushing them.

WHAT I CLAIM IS:—

1. A toothbrush having a handle and a mirror fixed to the handle at the end thereof remote from the bristles, characterised in that the end of the handle to which the mirror is fixed is inclined outwardly so that the mirror is at predetermined angle to the handle.

2. A toothbrush according to any one of claims 1 to 3 wherein the mirror is fitted in a frame forming an integral extension of the handle.

3. A toothbrush having a handle provided with a mirror substantially as described and as illustrated in the accompanying drawings.

McKENNA & CO.,
12, Whitehall, London, S.W.1, P.S.
Solicitors for the Applicant.

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Figs. 1, 2 and 3 of the accompanying drawings illustrate by way of example a toothbrush made in accordance with the invention, Fig. 1 being a front elevation, Fig. 2 a side elevation, and Fig. 3 a section one Line III—III, Fig. 1.

In the drawings 10 is the handle and 11 the bristle head of the brush. The handle may be made of any suitable material and in the form shown in the drawings it is made of synthetic plastics material. The end of the handle remote from the end carrying the bristles is formed with a circular frame 12 in which is fitted a mirror 13. The frame is directed outwardly at an angle of approximately 125° to the handle.

The arrangement shown in the drawings may be modified in various ways within the scope of the appended claims. For example as shown in the drawings the frame 12 projects from the same side of the handle as the

bristles but it may be arranged to project from the opposite side. The angle at which the frame projects from the side of the brush may be greater or less than 125° . Further, instead of being formed integral with the handle the frame may be formed separately and fixed by any suitable means (e.g. by riveting) to the handle. Again the frame 12 (and mirror 13) may have a shape other than circular, it can for example be of elliptical or polygonal shape.

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