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P. C. SELIGSON

SANITARY CONTAINER FOR TOOTHBRUSHES

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Fig. 1.

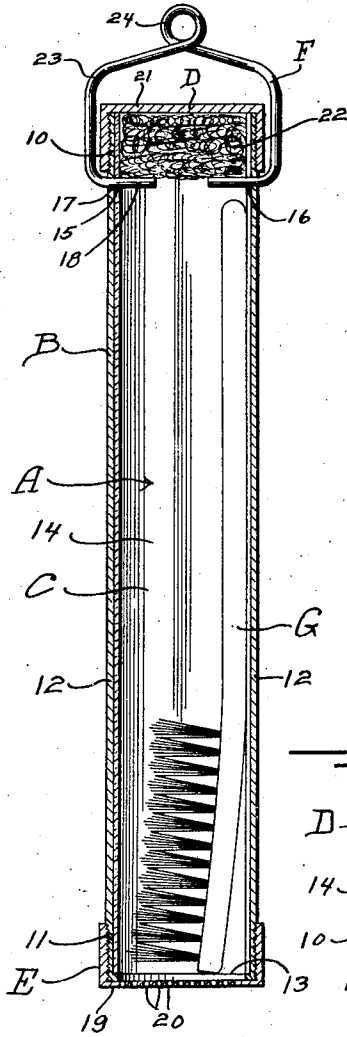


Fig. 2.

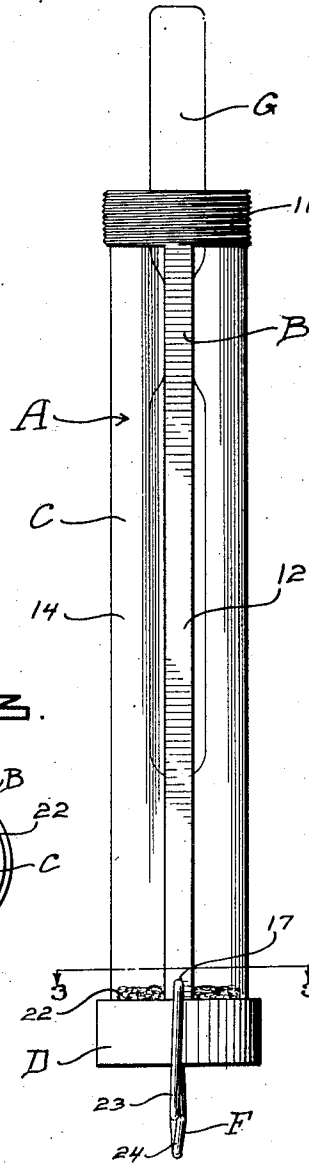


Fig. 3.

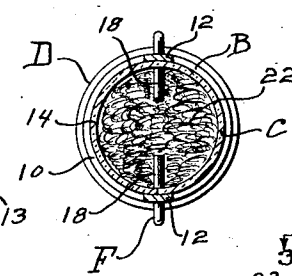
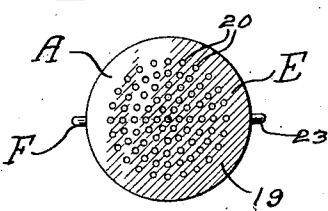


Fig. 4.



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SANITARY CONTAINER FOR TOOTHBRUSHES.

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The present invention relates to sanitary containers for tooth brushes, and the primary object thereof is the provision of a sanitary container or protector for tooth brushes devised for maintaining the brushes in a sanitary condition when not in use.

A further object of the invention is to incorporate in sanitary containers for tooth brushes, means whereby the brushes when placed in the container after being used, will be subjected to sterilizing gases during the period of nonuse.

A still further object of the invention is to provide a novel sterilizing container for tooth brushes, embodying features whereby the device may be hung upon a suitable support, and when hung in this position, permitting of the ready draining and drying of the brush contained therein.

Other objects and advantages of the invention will appear in the following detailed description, taken in connection with the accompanying drawing, forming a part of this specification, and in which drawing,

Figure 1 is a central longitudinal section through my improved container, and showing a tooth brush carried thereby.

Figure 2 is a side elevation of the container, in a reversed position from that shown in Figure 1, showing the entrance cap removed from the container and showing the brush partially withdrawn therefrom.

Figure 3 is a transverse section taken on the line 3—3 of Figure 2; and,

Figure 4 is an end elevation of the entrance end of the container.

Referring to the drawing in detail, and wherein like characters designate corresponding parts throughout the several views, A designates an improved tooth brush container comprising a frame B and housing C; the housing C being closed at one end by a retaining cap D, and at its opposite end by an entrance cap E; F means for hanging the container upon a suitable support, and G a tooth brush associated with the container.

The frame B, which is preferably made of aluminum or a similar rust proof material, consists of a retaining cap ring 10 and an entrance cap ring 11, which are connected together by means of two diametrically disposed side or connecting strips 12. Each of the rings or bands 10 and 11 are exteriorly screw threaded, for receiving the internally

screw threaded caps D and E respectively. An annular shoulder 13 is formed inwardly of the ring 11, for providing a stop for the housing C when positioned within the frame.

The housing C preferably consists of a sheet of isinglass or other transparent material curled into cylindrical formation, with its longitudinal edges in abutting relation, for providing a tubular, transparent body 14. The outer diameter of the tubular body 14 is of a size equal to the inner diameter of the rings D and E, and when slid into the housing C, into abutting engagement with the retaining shoulder 13, the abutting longitudinal edge of the body will be sealed by one of the connecting strips 12, which overlaps the abutting edges as shown in Figure 3. Diametrically disposed openings 15 and 16 which are provided adjacent one end of the body 14, are adapted to be aligned with diametrically disposed openings 17, provided in the strips 12, and through which inwardly extending arms 18 of the hang up means F are adapted to pass for preventing rotation of the body 14 with respect to the frame B, and maintaining the abutting edges of the body in adjusted relation to one of the strips 12. The opening 16 will necessarily be formed by providing companion semi-circular shaped recesses in the longitudinal edges of the transparent sheet, before the sheet is curled into the cylindrical body 14.

Referring to the caps D and E, the same are substantially symmetrical in formation, with the exception that the body 19 of the cap E is provided with perforations 20 for permitting of the ready draining or drying of the brush G; while the body 21 of the cap D is plain for presenting a closed retaining cap.

A sponge or other suitable absorbent material 22, which may be saturated with a disinfectant, such as formaldehyde or the like, is placed in the container adjacent one end thereof, and held in place by the inwardly extending arms 18 of the hang up means F.

The means F for hanging the container upon a suitable support, consists of a wire bail 23 having an eye 24 formed centrally of its end portions which are bent inwardly toward one another for providing the axially aligned arms 18. These arms 18, aside from holding the material 22 in place, and preventing rotation of the transparent body

14, also permit of the bail to be swung to one side in order that the retaining cap D may be readily removed when desiring to moisten or replenish the absorbent material 22 with a germicide. It will be observed from Figure 2, that by so extending the arms 18 through the side strips 12, a portion of the material 22 will at all times be exposed to view for permitting of the ready ascertaining of the condition of the absorbent material. It will also be observed, that when the container is hung by the bail 23, that any drainage from the brush G will be permitted to pass out through the perforations 20 provided in the entrance cap E.

The brush may be readily removed from the container by merely unscrewing the entrance cap E and withdrawing the brush as shown in Figure 2. It is to be understood however, that various other means may be employed for retaining the caps D and E in position upon the frame B; such as co-acting bayonet slots and lugs, or snap fasteners of any suitable type.

It will therefore be observed that a novel sanitary container for tooth brushes has been provided which, through the circulation of sterilizing gases within the container, will maintain the brushes in a sanitary and sterilized condition at all times.

Various minor changes may be made as to the specific construction of the device without departing from the spirit of the foregoing description or scope of the following claims; but,

I claim:

1. A sanitary container for tooth brushes comprising a tubular housing having caps removably associated with each end thereof, a bail pivotally mounted at one end of said container by axially aligned arms extending inwardly of the housing, a body of absorbent material containing a germicide, disposed in said housing and held in position by the inwardly extending arms, a closure cap removably carried by the bail end of the container for permitting of the replenishing of the germicide, and an entrance cap removably carried by the opposite end

of the container for permitting of the withdrawal of a brush therefrom.

2. A sanitary container for tooth brushes comprising a tubular body formed from a sheet of transparent material curled into tubular formation with its longitudinal edges in abutting relation, a frame for said housing comprising a closure cap band and an entrance cap band, encircling opposite ends of the tubular body and joined by diametrically disposed connecting strips, an annular shoulder formed at the inner periphery of the entrance cap band for providing a stop for the tubular body when positioned within the frame, a hang up bail pivotally mounted in the connecting strips adjacent the closure cap band, by axially aligned arms extending inwardly of the tubular body, a body of absorbent material containing germicidal properties, disposed in the tubular body adjacent the closure cap band end, and held in position by said inwardly extending bail arms, a closure cap having threaded connection with the closure cap band adapted for retaining the absorbent material within the tubular body, and the tubular body within said frame, and a perforated entrance cap having threaded connection with the entrance cap band for permitting of the placing or withdrawal of a tooth brush from the container.

3. In a sanitary container for tooth brushes the combination of a tubular body formed from a sheet of bendable material curled into tubular formation with its longitudinal edges in abutting relation, a frame for said housing comprising closure and entrance cap bands encircling opposite ends of the tubular body and joined by diametrically disposed connecting strips, and a bail pivotally mounted adjacent the closure cap band by axially aligned arms extending inwardly through the connecting strips and the tubular body in a manner for retaining the abutting edges of the body in a central longitudinal position inwardly of one of said connecting strips.

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