

A. H. FLOOD.
TOOTH BRUSH CASE.
APPLICATION FILED OCT. 2, 1911.

1,029,536.

Patented June 11, 1912.

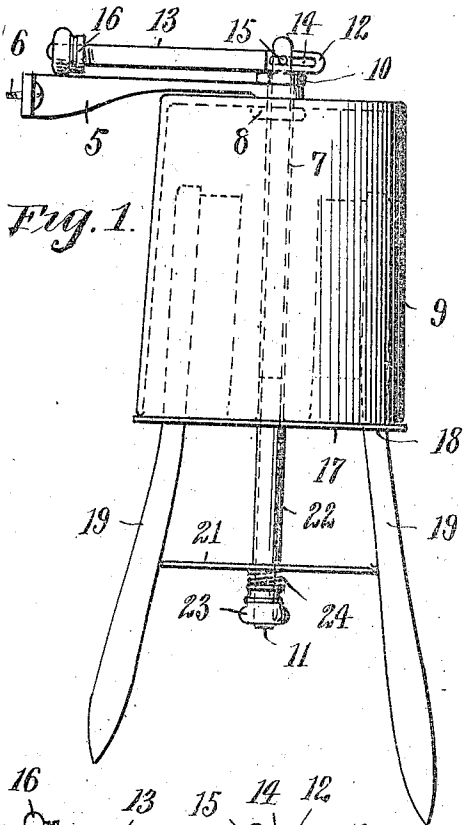


Fig. 1.

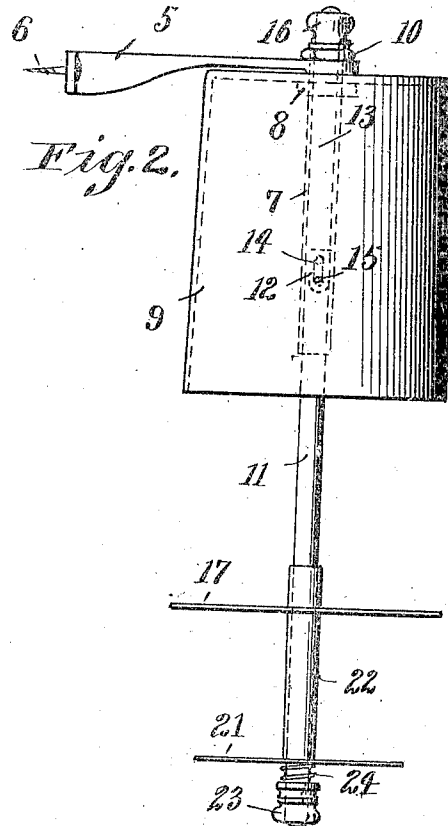


Fig. 2.

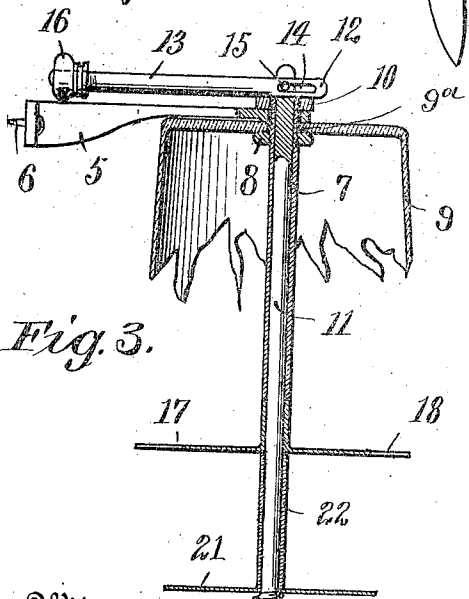
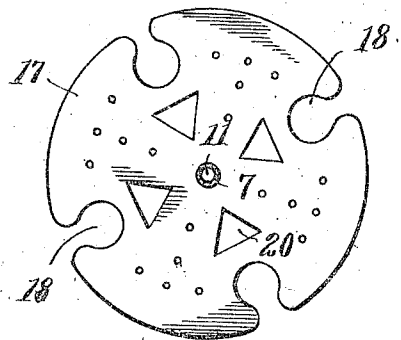


Fig. 3.

Fig. 4.



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UNITED STATES PATENT OFFICE.

ALBERT H. FLOOD, OF BRIDGEPORT, CONNECTICUT.

TOOTH-BRUSH CASE.

Specification of Letters Patent. Patented June 11, 1912.

Application filed October 2, 1911. Serial No. 652,265.

To all whom it may concern:

Be it known that I, ALBERT H. FLOOD, citizen of the United States, and resident of Bridgeport, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Tooth-Brush Cases, of which the following is a specification.

My invention relates to a dust and germ proof tooth brush holder, which is adapted to be fastened to the side wall of a room.

It is the object of the invention to provide a device of a class mentioned which will accommodate a number of brushes, and which will protect the same from dust and germs; to provide special compartments for each of a series of brushes, so that a number of brushes belonging to different persons can be conveniently and compactly accommodated; to provide a sanitary glass inclosure for these brushes whereby they may readily be seen and the particular one desired located; and further to design and construct the device so that it may be inexpensively manufactured and sold at a reasonable cost.

A further advantage of my device is that the receptacle in which the brushes are supported is provided with proper ventilation to allow the moisture from the brushes to escape and their bristles to dry out properly, and to provide simple and convenient means whereby the receptacle for retaining the brushes may be readily opened and closed for the removal or replacement of a brush.

With these and other objects in view, the invention resides and consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended, it being understood that various changes in the form, proportion, size and minor details of construction within the scope of the claims may be resorted to without departure from the spirit or sacrificing any of the advantages of the invention.

Similar characters of reference denote like or corresponding parts throughout the several figures of the accompanying drawings forming a part of this specification, and upon which,

Figure 1 shows a side elevation of my improved form of sanitary tooth brush holder complete with several brushes contained

therein. Fig. 2 is a further side view of the tooth brush holder shown in Fig. 1, but in a lowered or opened position with brushes removed. Fig. 3 shows a detail central vertical longitudinal section through the holder including the glass casing, which is shown broken away, and, Fig. 4 is a detached plan view of the supporting plate in which the several brushes are placed to be held.

Referring in detail to the characters of reference marked upon the drawings, 5 represents a bracket which is provided with suitable ears through which screws 6 are placed for its attachment to the side wall or wainscoting of a room. The outer end of this bracket is provided with a round hole therethrough for the attachment of the other parts of the device, which, as will be noted, include a vertically disposed tube 7, provided with a peripheral thread upon its top end portion that passes through the said hole of the bracket 5. An inner supporting nut 8 is threadedly attached to the said upper threaded end of the tube and serves to support the glass casing 9, which, as will be noted, has a central hole through its top end portion to receive the threaded end of the tube 7 before mentioned. This glass casing is very similar to an ordinary drinking glass, but has a central hole 9^a, through what would be the bottom of such a glass, and would be inverted for use in connection with my device. The upper nut 10 also engages the threaded end of the tube 7 and in practice is run down tightly against the top of the bracket so as to firmly secure the bracket and glass casing together and against the lower nut 8 before mentioned. An adjustable rod 11 is slidably mounted within the said tube 7 and is slotted at its upper end to receive the flattened end 12 of a handle rod 13 that is passed through said slotted end and is also slotted as at 14 to accommodate a pin 15 that passes through the said slot and the end of the before mentioned rod 11. There are rods thus pivotally connected one with the other and are slidably connected to permit of a lateral adjustment of the handle rod 13 with respect to the vertically disposed rod 11, so that when the parts are in a closed position as shown in Figs. 1 and 2, the said upper rod may be turned down to a horizontal position and then slipped back in a way to lock the vertically disposed rod up in position and support the plate and disk mounted

thereon. The handle rod 13 is provided with a head 16 which serves to support the rod and parts contained therein when the holder is lowered to a position shown in Fig. 2.

Upon the intermediate portion of the vertically disposed rod 11 is mounted a plate 17 having a series of pockets 18 formed therein to receive the handle portions of the respective tooth brushes 19 in a manner to support the same thereon. These pockets include an enlarged inner portion with a narrow outer or throat portion which is designed to permit the handles of the brushes to be inserted while in a sidewise position, whereupon they are turned to dispose the bristle portions in, toward the central rod and over the larger openings 20 in the said plate 17. The plate shown in Fig. 4 has four of these pockets; yet it will be obvious, of course, that a larger or lesser number may be employed, if desired.

Upon the same rod 11 and below the holder plate 17 is a guard disk 21, the diameter of which is slightly less than that of the plate, and is also provided with a tubular sleeve portion 22 that fits onto the said rod. The action of this disk 21 is best illustrated in Fig. 1, wherein it is shown that the inner side of the handles of the brushes engage the outer edge of the disk in a way to retain the said handles in a substantially vertically, but slightly outwardly, disposed position, and the upper ends of the brushes upright to insure their free passage in and out of the glass casing when adjusting the parts from an opened to a closed position, or vice versa. The plate 17 and disk 21 are held on the tube 11 by a nut 23 and a spring 24, the latter serving to yieldably retain the said plate in position against the edge of the glass casing and to allow the rod 11 to have a slight vertical movement independently of the said plate and disk to allow of the adjustment of the handle rod and to insure the plate fitting up close against the under edge of the glass when the device is closed.

Having thus described my invention what I claim and desire to secure by Letters Patent is:—

1. A tooth brush holder of the class de-

scribed, the same comprising a casing open upon its underside and having suitable means for its support, a plate adapted to support one or more brushes and to close said open underside of the casing, and means for adjusting the supporting plate vertically with respect to the casing opening to permit of the removal or replacement of the brushes.

2. A tooth brush holder of the class described, the same comprising a casing having an open underside and suitable means for its support, a rod adjustably mounted in the casing, a plate mounted upon the rod and adapted to support one or more brushes and to close said open side of the casing, and means for supporting the rod and plate in a raised or closed position with respect to the casing opening to permit of the removal or replacement of the brushes.

3. A tooth brush holder of the class described, the same comprising a casing open upon its underside and having suitable means for its support, a tube secured to the casing, a rod mounted in the tube, a plate supported on the rod and adapted to hold one or more brushes and to close said open side of the casing, and means for adjusting the rod and plate vertically with respect to the tube and casing to open and close the same and to permit of the removal or introduction of the brushes.

4. A tooth brush holder of the class described, the same comprising a cylindrical casing open upon its underside and having suitable means for its support, a tube supported in the casing, a rod adjustably mounted in the tube, a round plate adapted to support one or more brushes and to close said open end of the casing, a second rod pivotally and adjustably connected to the adjustable rod, and whereby the plate is raised and lowered with respect to the open end of casing to open and close the same.

Signed at Tarrytown in the county of Westchester and State of New York this 28th day of September A. D. 1911.

ALBERT H. FLOOD.

Witnesses:

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