J. J. SCHMERLER.

TOILET CASE.

APPLICATION FILED APR. 30, 1919.

1,386,806. Patented Aug. 9, 1921.

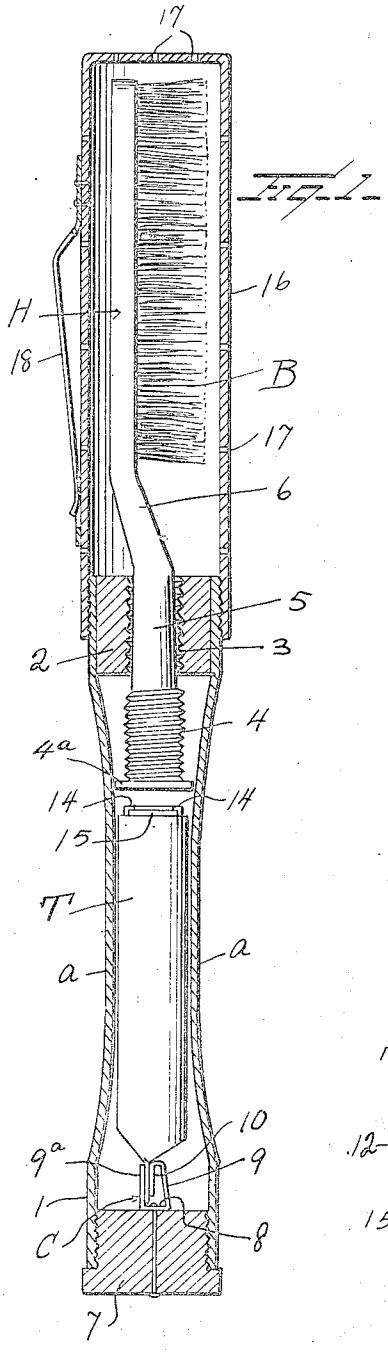


Fig. 1.

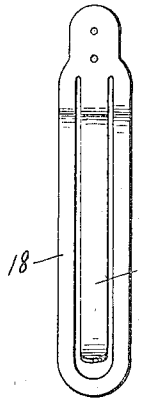


Fig. 4.

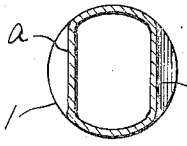


Fig. 2.

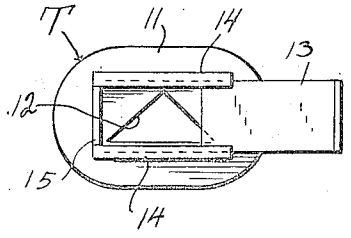


Fig. 3.

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TOILET-CASE.

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Application filed April 30, 1919. Serial No. 293,732.

To all whom it may concern:

Be it known that I, JOSEPH J. SCHMERLER, a citizen of the United States, residing at Bronx, in the county of Bronx and State of New York, have invented certain new and useful Improvements in Toilet-Cases, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to certain improvements in toilet cases and has relation to a device more particularly adapted for use in connection with dental articles or accessories and more particularly a tooth brush and a dentifrice cream tube, and it is an object of the invention to provide a novel and improved device of this general character particularly adapted to be carried in a pocket.

It is also an object of the invention to provide a novel and improved device of this general character comprising a brush holder provided with means whereby a cream tube may be carried thereby.

Another object of the invention is to provide a novel and improved device of this general character including a hollow or tubular brush holder provided with internal means for retaining a cream tube or the like within the holder and wherein said means is readily removed from the holder to facilitate the application of the cream to the brush.

The invention consists in the details of construction and in the combination and arrangement of the several parts of my improved toilet case whereby certain important advantages are attained and the device rendered simpler, less expensive and otherwise more convenient and advantageous for use, as will be hereinafter more fully set forth.

The novel features of my invention will hereinafter be definitely claimed.

In order that my invention may be the better understood, I will now proceed to describe the same with reference to the accompanying drawings, wherein:

Figure 1 is a longitudinal sectional view taken through a toilet case constructed in accordance with an embodiment of my invention.

Fig. 2 is a sectional view taken through the central portion of the elongated tubular member comprised in my improved case.

Fig. 3 is an enlarged view in end elevation of the dental cream tube, and

Fig. 4 is a view in elevation of the retaining clip included in my improved case.

As disclosed in the accompanying drawings, 1 denotes an elongated tubular member having its opposite end portions open and cylindrical in form, while opposed faces *a* of the intermediate portion thereof are inbowed and straight in cross section, and the cross sectional configuration of the bore of said intermediate portion of the member 1 substantially conforms to the cross sectional configuration of a cream tube T so that when said tube T is applied within the member 1, the same is held against wabbling or vibration which would otherwise be of disadvantage. One end portion of the member 1 has fitting therein an annular member 2 having its bore 3 threaded.

B denotes a tooth brush having the inner end portion 4 of the handle H thereof immediately adjacent the head of the brush cylindrical in form and exteriorly threaded for interlocking engagement within the bore 3 of the member 2. The portion 5 of the handle H outwardly of the portion 4 is gradually tapered and the outer or free extremity of said portion 5 is offset as at 6, so that when the handle E is properly applied within the member 1, the possibility of wabbling is substantially eliminated. A portion 5 inwardly of the threaded portion 4 is provided with the enlargement or head 4^a of a diameter in excess of the diameter of the bore 3 of the member 2, whereby said enlargement or head 4^a contacts with the inner face of the member 2 to limit the outward movement of the brush B or the movement of said brush in a direction away from the tubular member 1.

The anuular member 2 is adapted to be secured within the member 1 in any desired manner, but as this particular attachment forms no part of my present invention, it is believed that a detailed description and illustration thereof is unnecessary.

Threaded or otherwise removably engaged within the opposite end portion of the member 1 is a plug or cap 7 and in swivel engagement with the inner face of said plug or cap 7 and at substantially the axial center of the plug or cap is the inwardly disposed clip C. The clip C is formed of spring steel or the like and is substantially U-shaped in form with its base or intermediate portion 8 engaged with the plug or cap 7, while one of the arms 9 of the clip is provided with an inwardly directed extension 10 disposed between the arm 9 and the second arm 9^a. By this construction, effective spring jaws are

provided to receive therebetween and frictionally engage the closed end portion of the dental cream tube T which tube is of the well known collapsible type. By having the clip C in swivel connection with the plug or cap 7, it will be at once seen that the requisite rotation may be applied to such cap or plug without interference or hindrance being offered by the tube T when arranged within the member 1.

It is to be understood in practice that when it is desired to apply dentifrice cream to the brush B, the tube T can be readily removed from the member 1 and when the tube is not in use, it can be readily returned within said member 1 and effectually maintained therein.

The head 11 at the delivery end of the tube T is provided with a discharge opening 12 in the form of an isosceles triangle with its altitude equal to substantially one-half the length of the equal sides of the opening. The opening 12 is normally closed by the flat plate or slide 13 mounted for movement in the parallel guideways 14 arranged at opposite sides of said opening 12 and similar ends of the guides 14 are connected by the cross member 15 which serves as a stop to limit the inward movement of the plate or slide to assure the proper disposal of said plate or slide over the opening 12 when the tube is not in use, so that the contents of said tube will be closed against ingress of dust, dirt or other foreign matter.

Engageable with the end portion of the member 1 at which the annular member 5 is arranged is a cover or cap 16 which, when in applied position, incases or houses the portion of the brush B extending outwardly of the member 1, and in order to permit the drying of the brush when applied to the member 1 after use, the side and outer closed end of the cover or cap 16 are provided with ventilating openings 17.

In view of the foregoing, it is believed to be clearly apparent that a toilet case constructed in accordance with an embodiment of my invention maintains the dental articles or accessories arranged therein in a highly sanitary condition, yet permits said articles or accessories to be employed with convenience and facility as the occasions of practice may necessitate.

I also find it of advantage to provide the cover or cap 16 with the clip 18 which clip 18 adjacent its connected end is provided entirely thereacross with a transversely disposed and outstanding hump, whereby the coaction of the clip with a wall of a pocket or the like is materially facilitated. The clip 18 has struck from its central portion the longitudinally disposed tongue 18^a which tongue 18^a is adapted to engage over the wall of the pocket or the like in a well known manner.

The opposed faces *a* of the tubular member 1 also provide a firm grip when the device is in use and also an effective gripping of the tube T, as opposed faces of the tube T will also be depressed or flattened when the tube T is inserted in the member 1.

The offset portion 6 of the handle H results in having the central line of the brush and the member 1 arranged substantially in coincidence, resulting in a better appearance of the device in its entirety when assembled and also permitting the cover or cap 16 to be of a diameter less than what would be required if the handle H were straight throughout its length.

From the foregoing description, it is thought to be obvious that a toilet case constructed in accordance with my invention is particularly well adapted for use by reason of the convenience and facility with which it may be assembled and operated, and it will also be obvious that my invention is susceptible of some change and modification without departing from the principles and spirit thereof and for this reason I do not wish to be understood as limiting myself to the precise arrangement and formation of the several parts herein shown in carrying out my invention in practice except as hereinafter claimed.

I claim:

In combination with a brush and a handle therefor substantially alined with a brush, a case comprising an elongated tubular member having one end open, an annular member arranged within said open end portion of the member and through which the handle is loosely directed, the outer extremity of the handle and the bore of the annular member being provided with coacting means for holding the brush at the limit of its movement away from the tubular member, a removable plug closing the opposite end portion of the tubular member, and an article engaging member in swiveled connection with the inner face of the plug.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

JOSEPH JOEL SCHMERLER.

Witnesses:
ISAAC GARLAND,
SAMUEL GORELICK.