April 14, 1931. O. A. GROVE 1,801,196

TOILET EQUIPMENT

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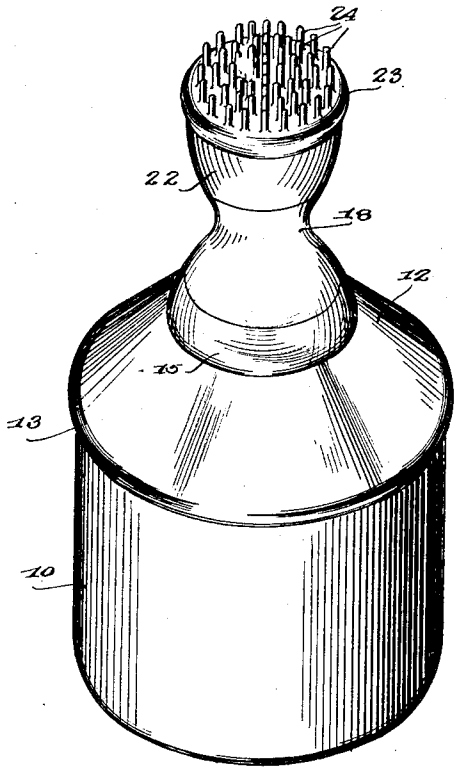


Fig. 1.

Fig. 2.

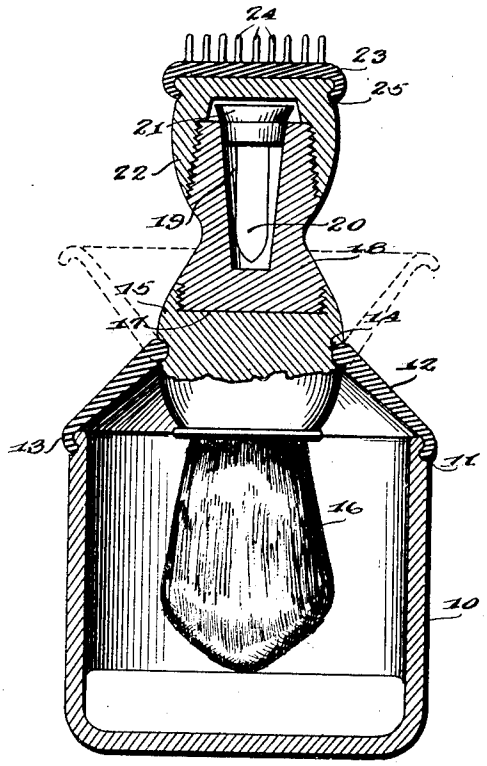
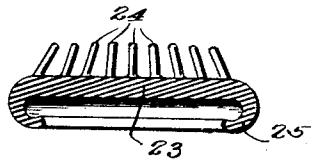


Fig. 3.



WITNESSES

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TOILET EQUIPMENT

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Fig. 4.

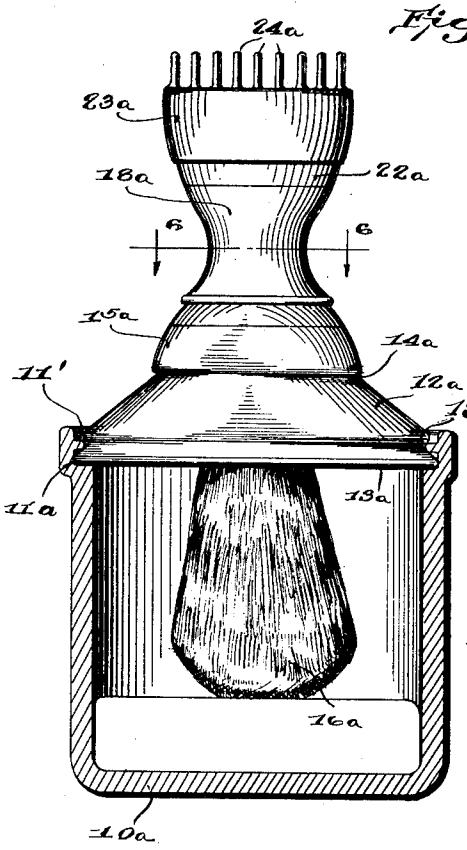
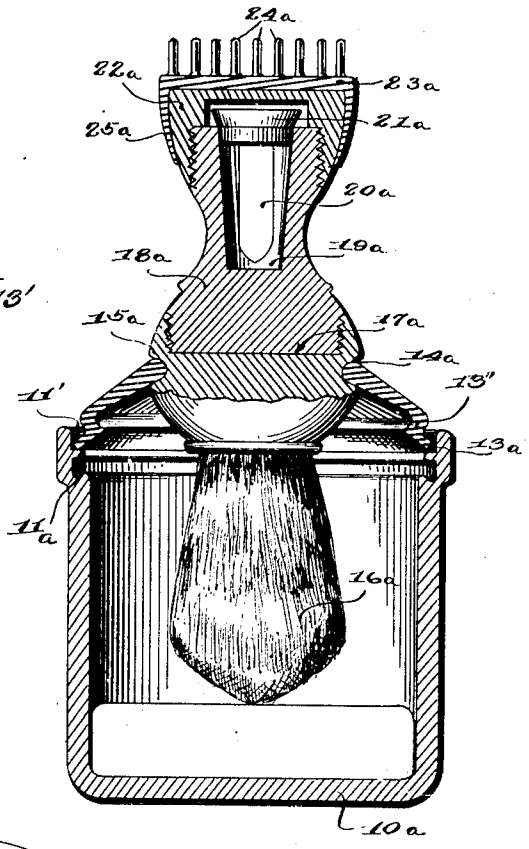


Fig. 5.



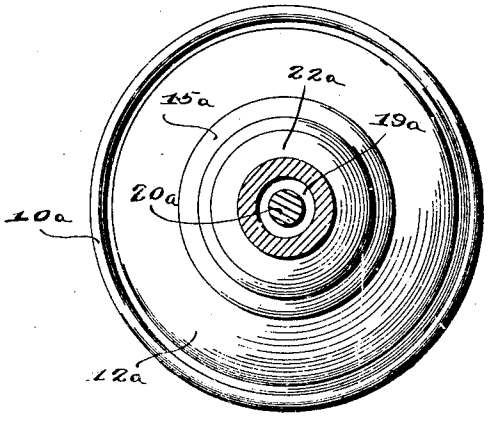


Fig. 6.

WITNESSES

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TOILET EQUIPMENT

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Fig. 7.

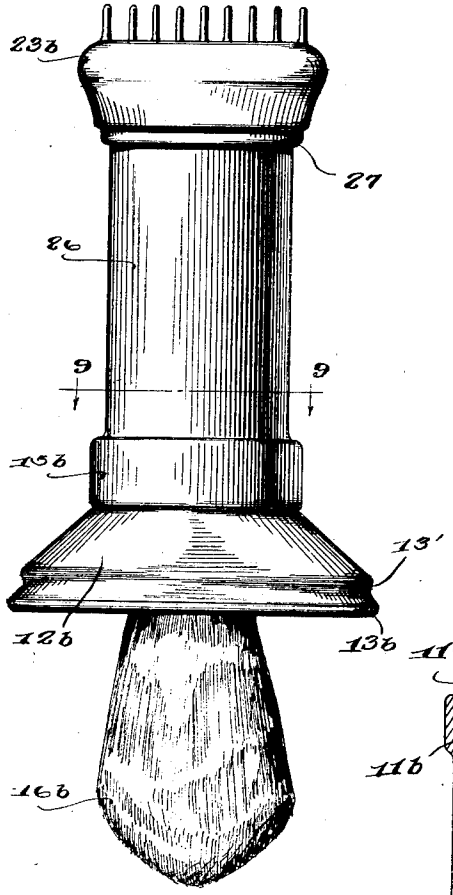
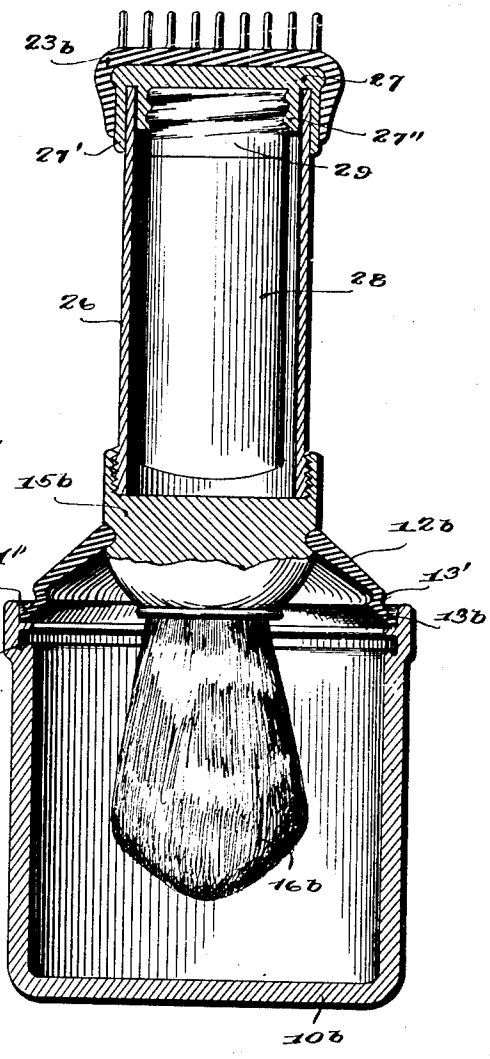


Fig. 8.



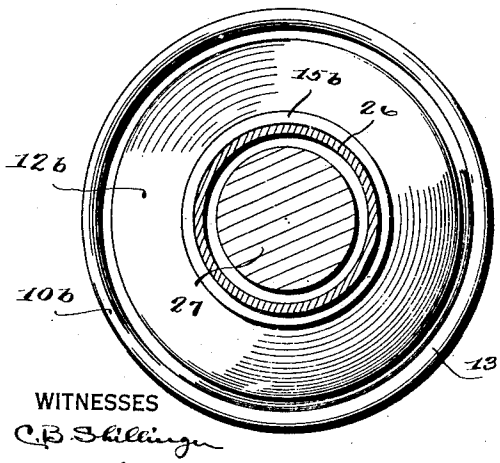


Fig. 9.

WITNESSES

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UNITED STATES PATENT OFFICE

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TOILET EQUIPMENT

Application filed September 16, 1929. Serial No. 392,933.

This invention appertains to toilet equipment generally, and more particularly to a shaving compact type of such equipment.

An object of the invention is to provide a toilet equipment or compact of the class set forth which combines within itself a shaving lather forming material holder, a shaving brush, a closure for the holder mounted on the shaving brush, a styptic stick or the like removably housed within the handle of the shaving brush and a massage head or rubber mounted on the unbristled end of the shaving brush and detachable therefrom with a cap closure to give ready access to the styptic stick, the assembly of the several devices being neat and attractive in appearance, convenient and handy in use, and sanitary; the closure aforesaid also acting as a guard or cuff to prevent water and lather from running down the brush onto the hand when the brush is in use in lathering the face.

Another object of the invention is to provide a shaving brush and mug combination wherein a cover for the mug is carried by the handle of the shaving brush and is arranged to temporarily close the mug during each period of disuse of the shaving brush in any given shaving operation and to more permanently and securely close the mug during longer periods of disuse as when the brush and mug are put aside between shaving operations or packed away during travel, the closure in any case, making the mug substantially air-tight so that its interior will be kept sanitary and the contents thereof free from deterioration.

A further object of the invention is to provide a cover as hereinbefore characterized and to make the same of a flexible or semi flexible material, such as hard rubber or the like, whereby its outer edge is adapted to be snapped into and out of seating engagement with channels or grooves formed for its reception in the open end portion of the mug and it can first be turned upward out of contact with the upper end of the mug to allow for the free manipulation of the brush in the forming of a lather and thereafter reversed back to its original position to act as a guard or cuff as aforesaid, when applying the lather to the face.

A still further object of the invention is to provide for a massage head or rubber attachment for shaving brushes generally but which is made detachable therefrom for use on any form of handle adapted to facilitate its proper manipulation.

With the foregoing and other equally important objects and advantages in view, the invention resides in the certain new and useful combination, construction and arrangement of parts as will be hereinafter more fully described, set forth in the appended claims, and illustrated in the acompanying drawings, in which:

Figure 1 is a perspective view of a preferred embodiment of the invention;

Figure 2 is a vertical section therethrough;

Figure 3 is a vertical section through the massage device or head per se;

Figure 4 is a vertical section through a modified form of shaving material holder or mug showing the combined shaving brush, massage device or head and closure as positioned thereon when not in active use, the latter parts being shown in side elevation;

Figure 5 is a vertical section through both the holder or mug and the combined shaving brush, massage device or head and closure as depicted in Figure 4 but showing the latter as it appears during temporary disuse;

Figure 6 is a horizontal section taken on the line 6—6 of Figure 4;

Figure 7 is a side elevation of a further modified form of combined shaving brush, massage device or rubber and holder or mug closure;

Figure 8 is a vertical section through a holder or mug as depicted in Figures 4 and 5, and the combined shaving brush as in Figure 7, and showing the latter with its attached cover portion as it appears when temporarily positioned on the holder or mug;

Figure 9 is a horizontal section, taken on the line 9—9 of Figure 7.

Referring to the drawings wherein like characters of reference designate corresponding parts in the several views thereof, and more particularly to Figures 1 to 3 inclusive,

the embodiment of the invention, as shown therein by way of example, is constituted in a shaving material holder or mug 10, which has its outer wall grooved, as at 11, about the edge of the upper opening thereof, and a closure 12 for the open end, the peripheral edge of the closure being inturned, as at 13, for seating engagement in the groove or channel 11.

The closure 12 is preferably formed of a semi-flexible or flexible material such as hard rubber or the like, and is formed with an open center for the engagement of the edge thereof in a channel or groove 14 formed circumferentially of an intermediate portion of a lower portion 15 of the handle of the shaving brush, the bristle tufts 16 being secured in the lower end of the handle portion 15 in the usual manner.

As shown, the material forming the closure 12 is greatly thickened inwardly to the open center thereof, so that the peripheral edge portion, having the inturned flanged portion 13, will be of sufficient flexibility to snap into substantially air-tight engagement with the channel or groove 11. By this latter arrangement, the shaving material within the holder or mug 10 will be kept sanitary and otherwise free from deterioration over periods of disuse.

Also, the closure is preferably cupped in an upward direction, so that when seated on the holder or mug 10, the brush will be supported in a position of readiness to form a lather, but the lower end of the bristle tufts 16 substantially free of actual contact with the shaving material within the holder or mug. However, with the cover 12 in position on the holder or mug 10 and the brush supported thereby in the manner above indicated, the bristle tufts 16 may be contacted with the shaving material by a slight downward pressure on the handle to flex the closure 12 in such direction for the purpose, so that objectionable splattering of the lather in the making of the same will be avoided.

In this form of the invention, the handle portion 15 is relatively short, and has a depression or recess 17 formed centrally of its upper end to seat an upper handle portion 18 therein, the side wall of the depression or recess 17 and the engaged end of the portion 18 being preferably screw threaded for the semi-permanent connection of one part with the other.

This handle part 18 is formed with a relatively deep recess 19 extending inwardly of its upper end for the housing therein of a styptic stick or the like 20, which is dependingly supported therein by a stopper or the like 21 seated in the upper open end of the recess. As shown, the recess 19 is preferably tapered in a downward direction to snugly receive the similarly tapered stopper 21 in the upper end thereof. The upper end of the handle portion 18 is also tapered exteriorly, but in an upward direction and the tapered surface is preferably screw threaded for the detachable engagement thereof of a cap member 22 which is centrally recessed at its lower side to engage over the stopper 21 without interference therewith. The combined exterior side surfaces of the handle portions 15 and 18 and the cap portion 22 are preferably arranged to merge one into the other to provide a smooth and substantially unbroken finish thereto and to conform to the accepted configuration of standard forms of shaving brushes.

Removably engaged over the upper end of the cap 22 is a massage head or rubber 23, which, as shown in Figure 3, preferably has the massaging fingers 24, at the upper side thereof, normally inclining slightly inward toward the center of the same so as to remain closely grouped when the head is placed in position on the cap. This head 23 is preferably made of molded rubber and has its peripheral edge formed with a downwardly and inwardly directed flanged portion 25 which snaps into engagement with an annular groove formed is the side wall of the cap circumferentially of the upper end thereof, when placed in position.

In the modified form of the invention as shown in Figures 4 to 6 inclusive by way of example, a channel or groove 11^a is formed in the inner surface of the side wall of the holder or mug 10^a for the semi-permanent seating therein of an out-turned flange 13^a formed at the edge of the closure 12^a, while the open end of the holder or mug is recessed at its inner side, as at 11′, above the channel or groove 11^a, for a temporary seating of the flange 13^a during intervals in active use of the shaving brush. This flange 13^a is preferably sloped slightly in a downward direction from a down-turned intermediate portion 13′ of the closure 12^a, whereby its entry into the channel or groove 11^a or the recess 11′ is facilitated and the same will flatten out to full seating engagement therein under the weight of the brush supported from the closure.

In this instance of the invention and as will be observed from Figures 4 and 5 the channel or groove heretofore employed on the outer side of the cap member 22 is eliminated from the cap 22^a at the upper end of the upper handle portion 18^a of the shaving brush, while the massage head or rubber 23^a is formed to provide a downwardly tapered depending flange portion 25^a to snugly grip the sides of the same. This form of massage head or rubber 23^a is also adapted to be removed from the cap 22^a for use with other types of handles.

As in the first instance of the invention, the handle portion 15^a is recessed, as at 17^a inwardly of its upper end and this recess is screw threaded to receive therein the lower complementally threaded end of the upper

handle portion 18^a, the latter being, in turn, recessed as at 19^a at its upper end to house therein the styptic stick 20^a, which is dependently supported from a stopper 21^a seated in the open end of the recess 19^a. A cap 22^a is also screw threaded onto the upper end of the handle portion 18^a to receive thereon the massage head or rubber 23^a and to enclose the stopper 21^a. The side surfaces of the several parts 15^a, 18^a, 21^a and 23^a also merge one into the other to form a substantially smooth and unbroken handle gripping surface having the general configuration of a standard form of shaving brush.

Referring now to Figures 7 to 9, inclusive, the modified features of the invention, as shown therein by way of example, are confined to the handle structure of the brush per se., the holder or mug 10^b and the closure 12^b being of substantially the same construction and arrangement as that illustrated in Figures 3 to 6 inclusive.

In this instance of the invention, the lower handle portion 15^b to the lower end of which the bristle tufts 16^b are secured, is as usual recessed as at 17^b inwardly of its upper end, and screw threaded into this recess 17^a is the lower end of a tubular housing 26. The opposite or upper end of the housing 26 is normally closed by a slip-on cap or closure 27, from the lower side of which a shaving stick or the like 28 is dependently supported, so as to be entirely enclosed within the hollow interior of the housing 26 when the parts are disposed in assembled relation. The massage head or rubber 23^b is then to be engaged directly over the cap 27 after the same manner of attachment as obtained in the other form of the brush handle structure.

In this instance, the cap closure 27 is preferably formed at the outer edge of its lower side with a pair of concentrically spaced flanges 27′ and 27″ between which the upper end of the housing 26 is snugly received when the cap is placed in position thereon. The inner wall of the inner flange 27″ is preferably screw threaded for the engagement therewith of the complementally threaded metal end 29 as is usually provided on standard forms of shaving sticks. Thus when a shaving stick has been entirely used, this metal end 29 may be readily removed from the cap 27, and a new shaving stick placed in position thereon.

The closure 12^c for the mug 10^c is preferably flanged, as at 30, at either side of the central opening therein, and in a manner that these flanges will swingingly engage about the lower end portion of the brush handle 15^c, the latter portion of the handle being preferably circumferentially convexed to that end. The closure is held in place on this portion of the handle 15^c by having annular shoulders 31 formed about the upper and lower sides of the convexed portion aforesaid which are abutted by the free edges of the flanges 30 when the handle and closure are in proper assembly.

Without further description, it is thought that the features and advantages of the invention will be readily apparent to those skilled in the art, and it will of course be understood that changes in the form, proportion and minor details of construction may be resorted to, without departing from the spirit of the invention or its scope as claimed.

I claim:

1. In combination, a shaving mug, and a flexible snap on closure for the mug, said closure being mounted on the handle portion of a shaving brush whereby the tufted end of the brush will be supported within the mug and substantially free from any shaving material resident therein when the closure is placed in position on the mug, said closure being adapted to be depressed by a downward pressure on the handle of the brush to allow the bristle tufts to contact the shaving material for the making of a lather prior to the removal of the closure and brush from the mug.

2. In combination, a shaving mug having an annular groove adjacent its open end, and a closure having a peripheral flange portion adapted to be snapped into engagement with the said groove when the closure is placed in position on the mug, said closure being mounted on the handle of a shaving brush, whereby the tufted end of the brush will be supported within the mug and free from any shaving material resident therein when the closure is placed in position on the mug, said closure being adapted to be cupped in a downward direction by pressure on the handle of the brush to allow the bristle tufts to contact the shaving material for the making of a lather prior to the removal of the closure and brush from the mug.

3. In combination, a shaving brush and a mug closure made from a flexible material carried by the handle of the brush and adapted to support the bristle tufts at the lower end of the brush substantially free of shaving material resident in the mug when placed in position on the latter, said closure being adapted to be flexed by a downward pressure on the brush handle whereby the bristle tufts will contact the shaving material to form a lather thereon prior to the removal of the closure and brush from the mug.

4. The combination with a shaving brush including the handle thereof, said handle having a recess formed in the end opposite to the bristle tufted end thereof, a closure for said recess and having a styptic stick or the like depending into the recess therefrom, a cap closure, and a massage rubber detachably engaged over said cap closure.

5. The combination with a shaving mug, of a shaving brush, and a closure for the mug

carried by said brush, said closure being normally cupped toward the bristle end of said brush and adapted to be cupped in a reversed direction to permit of the free manipulation of the brush to form a lather in the mug and to act as an anti-drip guard when the lather is applied to the face of the user.

6. In combination, a shaving brush and a mug closure carried by said brush, said closure being made of a semi-flexible material and having an open center to receive the handle of the brush there through, an annular depression formed in the said handle of the brush, and annular flanges formed at the opposite sides of the open center of said closure for seating engagement in said depression.

7. In combination, a shaving brush and a mug closure carried by said brush, said closure being made of a semi-flexible material and having an open center to receive the handle of the brush there through, an annular depression formed in the said handle of the brush, and annular flanges formed at the opposite sides of the open center of said closure for seating engagement in said depression, said closure being normally cupped in a direction toward the bristle end of said brush for operative engagement with the open end of a mug and adapted to be flexed to a reversed cupped state when disengaged from the mug to allow for the free manipulation of the brush to form a lather within the mug and thereafter reversed back to normal position to act as an anti-drip guard during the applying of the lather to the face of a user.

ORVILLE A. GROVE.