

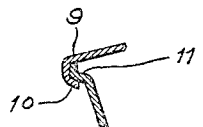
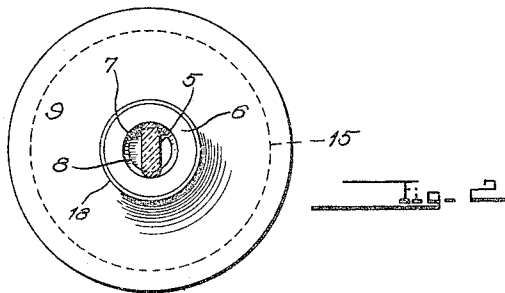
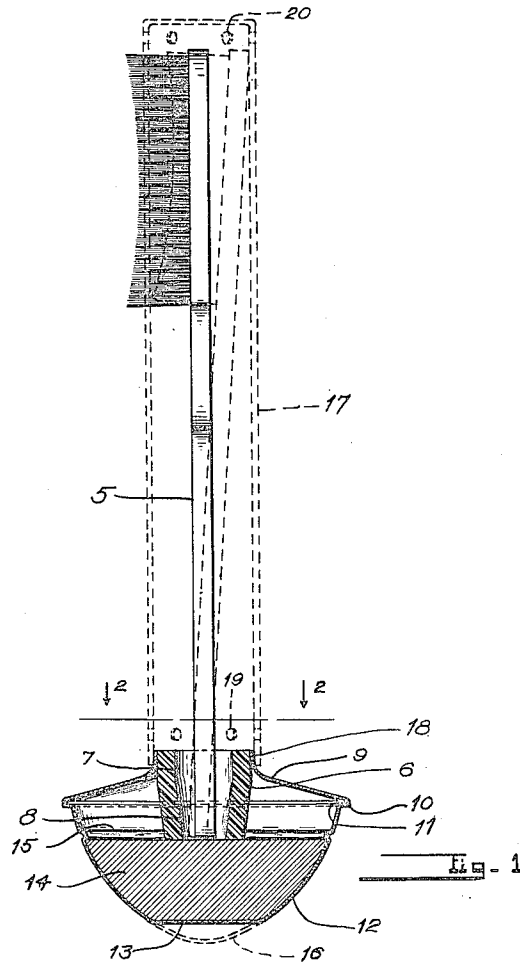
Aug. 21, 1923.

1,465,642

W. E. KEENE

BRUSH HOLDER

Filed June 2, 1921



Inventor

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## UNITED STATES PATENT OFFICE.

WALTER E. KEENE, OF BALTIMORE, MARYLAND.

## BRUSH HOLDER.

Application filed June 2, 1921. Serial No. 474,403.

*To all whom it may concern:*

Be it known that I, WALTER E. KEENE, a citizen of the United States, residing at Baltimore, in the State of Maryland, have invented certain new and useful Improvements in Brush Holders; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to brush holders.

Among the objects of my invention are:

To produce a brush holder for removably supporting a brush in such manner that the brush can be readily removed therefrom.

To produce a brush holder for supporting a brush in approximately vertical or neutral position and having a base and counter balance weight so arranged that whenever the brush is displaced from that position it will be immediately restored thereto.

To produce a brush holder for removably supporting a tooth brush so that the bristle portion of said brush will be free from contact with other objects.

To produce a brush holder for removably supporting a brush in approximately vertical or neutral position and combining with said holder a guard for said brush having vents in order to provide a circulation of air to evaporate any moisture that may remain in said brush.

These and other objects of my invention will be adverted to in the accompanying specification, reference being had to the accompanying drawings, in which:

The full lines in Figure 1 show one form of my improved holder, the dotted lines showing a guard that may be applied thereto, and the position in which the brush is to be placed when said guard is used.

Fig. 2 is a section along the line 2-2 in Fig. 1, only the parts thereon shown in full lines being illustrated.

Fig. 3 is an enlarged detail view showing the manner in which the two parts of the casing of my improved holder are joined together.

In the drawings:

5 represents the handle of a tooth brush or other brush, the lower end of which is supported in the rubber or other flexible bushing 6. This bushing is provided with a hole which is cylindrical as at 7 and frustro-conical as at 8. The bushing 6 fits snugly in the top 9 and the latter is pro-

vided with a flange which is crimped as at 10 around a flange 11 provided on the base 12. The top 9 may be shaped in any approved manner, but the base 12 is preferably provided with a flat bottom 13 to prevent the brush and holder from rocking.

The portion of the base 12 between the bottom 13 and the flange 11 is approximately paraboloidal and a weight 14 formed of lead or other suitable material is placed within the base 12 and a groove 15 is then crimped therein in order to hold said weight in place. The upper surface of the weight 14 forms a stop to prevent downward displacement of the bushing 6 and also serves as a stop to limit the extent of the introduction of the handle 5 within the bushing 6.

The paraboloidal portion of the base 12 and the weight 14 act together to restore the brush and holder to the position shown in Fig. 1 after each displacement therefrom.

While I have shown the flexible bushing 6 as means for removably supporting the brush, it is evident that this feature of my invention may be replaced by many forms of devices for performing the same work.

While I have shown my improved holder as provided with a flat bottom 13, it is to be understood that the approximately paraboloidal surface of the base 12 may be carried out as per the dotted line 16.

When it is desired to shield the brush I may use with my improved holder the guard shown dotted at 17 which is a cylinder formed of metal, celluloid or any approved material, the lower end of which has a sliding fit upon the neck 18 of the top 9 and the upper end of which is closed as shown.

Near the bottom there are a plurality of draft holes 19 and a plurality of draft holes 20 near the top is also provided, the purpose of these draft holes being to provide for an upward current of air in order to remove moisture from the brush.

While I have shown one form of my invention it is evident that many changes may be made therein without departing from the spirit thereof.

I claim:—

A brush holder comprising a base, a top crimped to said base, a weight secured in said base and a flexible bushing supported by said top and weight.

In testimony whereof, I affix my signature.

WALTER E. KEENE.