April 10, 1951 D. KUMPMAN 2,548,729

FOUNTAIN BRUSH WITH SEPARATE HANDLE, CONTAINER, AND BRUSH BASE

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Fig. 1

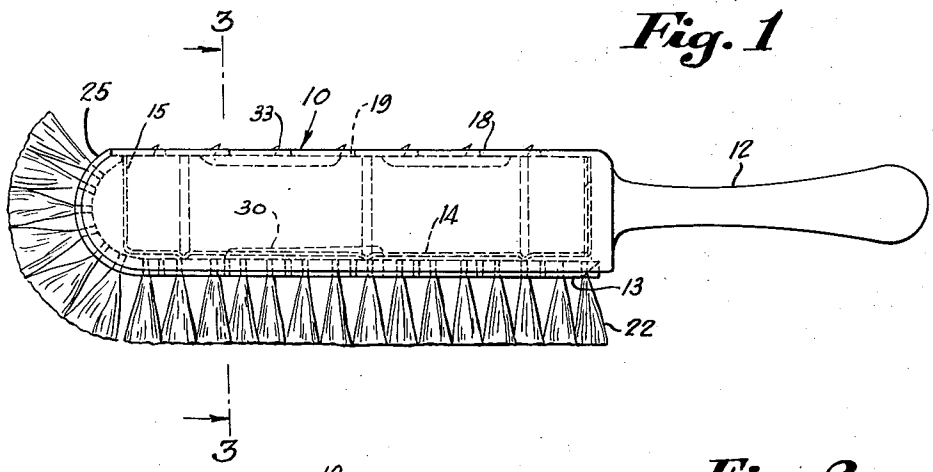
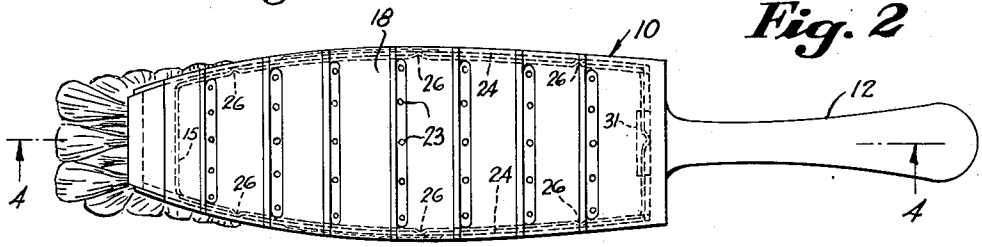


Fig. 2



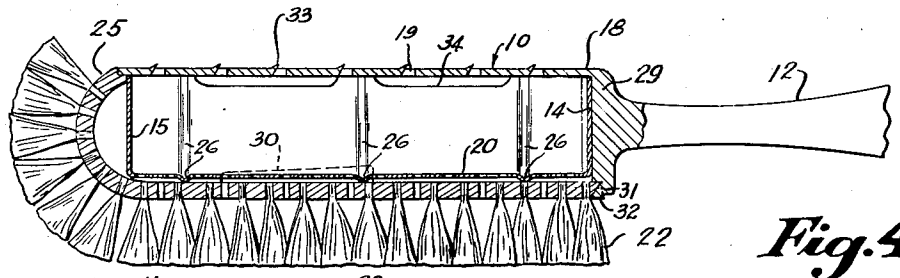


Fig. 4

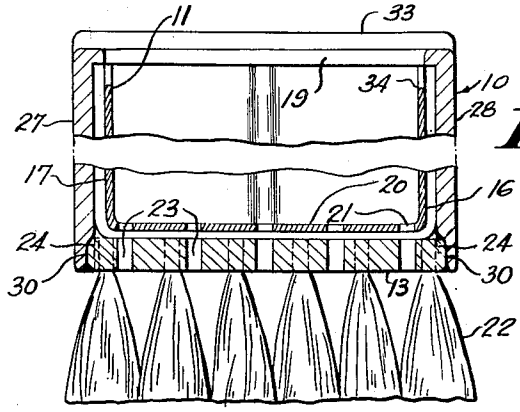


Fig. 3

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FOUNTAIN BRUSH WITH SEPARATE HANDLE, CONTAINER, AND BRUSH BASE

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8 Claims. (Cl. 15—122)

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This invention relates to brushes and more particularly to fountain brushes adapted to dispense a cleansing liquid while being manipulated.

The comparatively restricted use of fountain brushes up to the present has been due partly to the problem of maintenance.

It is an object of the present invention to form a fountain brush in which maintenance will be simplified.

A further object is to provide a fountain brush which may be sterilized in the manner commonly employed for such tools.

Another object is to apply the cleansing material such as soap dissolved in water in uniform manner over the bristles.

It is likewise an object to provide a fountain brush adapted to the use of soap remnants or to any of the many forms in which it is marketed.

Other objects of this invention will become apparent in the course of the following specification.

In the accomplishment of these objectives the brush has been constructed in three parts consisting of a container with perforated bottom, a brush base carrying the bristles which may be attached over the perforated bottom and handle member providing special cover for the container, as well as means for manipulating the brush. A grating along the top of the special cover interspersed with openings leading to the container below enables bar soap to be grated therein thereby facilitating the formation of suds. With the brush base inserted over the perforated bottom of the container, the handle member with special cover inserted over the open top of the container and secured to the brush base, and soap fragments inserted as shown, water may be added by hose or other means obviating the need for interrupting the washing operation. Perforations in the base of the container coacting with perforations formed in the brush base in the vicinity of the bristle tufts carry the soap laden water from the container for distribution over the bristles. Both the brush base and container after removal may be cleaned and maintained in operable condition by running water. On the other hand, where the water force is insufficient to open clogged pores, other means may be employed and applied to either member from the top or bottom. Ability to remove the brush base and container aids in drying both and while soap itself is a purifying element, sterilization may be resorted to if desired.

The invention will appear more clearly from

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the following detailed description when taken in conjunction with the accompanying drawing, showing by way of example a preferred embodiment of the invention.

Figure 1 is a side elevational view of the fountain brush constructed in accordance with the principles of this invention.

Figure 2 is a top plan view of the brush shown in Figure 1.

Figure 3 is a sectional view through the line 3—3 of Figure 1.

Figure 4 is a sectional view through the line 4—4 of Figure 2.

Referring now in greater detail to the drawings in which like reference numerals indicate like parts, reference numeral 10 indicates the fountain brush, 11 the container, 12 the handle member, and 13 the brush base.

The container 11 is formed with open top, perforated bottom 20, opposing ends 14 and 15, and opposing sides 16 and 17 (Fig. 3), adapted to serve as the mixing chamber for the soap and water. Protuberances 26 along the outside surface portions of the perforated bottom 20, and opposing sides 16 and 17 provide points of contact between the container 11 and the subsequently described handle member 12 and brush base 13. Cut out portions 34 (Figs. 1 and 4) along the top edges of the opposing side members 16 and 17 of the container 11 provide outlets for excess water.

The handle member 12 is formed integral with the cover 18, opposing sides 27 and 28, and back 29 adapted to fit over the open top, opposing sides 16 and 17, and one end of container 11 with protuberances 26 of the container 11 forming the points of contact between the opposing sides of each. Raised edges 33 disposed on the cover 18 of the handle member 12 serve as edges against which a soap cake may be rubbed, the shavings or flakes from which fall into the container 11 through apertures 19 formed on one side of the raised edges 33. The inside surface portions of the opposing side members 27 and 28 (Fig. 3) at the base are adapted to be snapped over the edges of the subsequently described brush base 13. Substantially horizontal grooves 30 at the bottom of each of the opposing side members 27 and 28 on the inside surface portions are adapted to co-act with protuberances 24 along the edges of the brush base 13 to provide additional fastening means.

The brush base 13 with bristle tufts 22 disposed along the bottom surface portion thereof is adapted, as previously shown to support the con-

tainer 11 along the lines of contact provided by the protuberances 26 of the container 11. At the front, the brush base is curved upwardly adapted to be fitted against the top edge of the cover 18 as shown by reference numeral 25 (Figs. 1 and 4). A recess 31 in the base of the handle member 12 is formed at the back to co-act with the projection 32 along the back edge of the brush base 13 to provide a means for supporting the latter at that point by the handle member 12. Apertures 23 in the brush base 13 permit the soap laden water, passing from the container 11 through the perforations 21 to reach the vicinity of the bristle tufts 22.

It is apparent the specific illustration above shown has been given by way of illustration and not by way of limitation and that the structure above described is subject to wide variation and modification without departing from the scope or intent of the invention, all of which variations and modifications are to be included within the scope of the present invention.

What is claimed is:

1. A fountain brush comprising a container, a separate handle member, and a separate, perforated brush base, said container comprising an open top, opposing sides, opposing ends, and a base having perforations formed therein, said handle member comprising a top surface portion, opposing sides and, a back attached to said opposing sides and adapted to be fitted over said container, said brush base being supported along the bottoms of said opposing sides of said handle member, said brush base further being fitted into the front end of said top surface portion and the base of the back of said handle member, and bristle tufts disposed on bottom surface portion of said brush base.

2. A fountain brush according to claim 1 in which said top surface portion of said handle member is characterized by at least one protuberance integral with said handle member and serving as a rubbing edge, and by at least one aperture which serves as an intake into said container for small particles separated by said rubbing edge.

3. A fountain brush comprising an open top container, said open top container comprising opposing side and end members, a perforated base, protuberances formed on the bottom surface portion of said base and the outside surface portions of said opposing side members, said fountain brush further comprising a handle member, said handle member comprising a top surface portion fitting over the open top of said container, opposing side members attached to said top surface portion and fitting over said opposing side members of said container, a back surface portion attached to said top surface portion, and a handle attached to said back surface portion, said fountain brush further comprising a perforated brush base attached between inside surface portions at the base of said opposing side members, a free edge of said top surface portion and the base of said back surface portion of said handle member.

4. A fountain brush according to claim 3 in which said top surface portion fitted over the open top of said container is characterized by at least one raised edge transversely disposed on said top surface portion and at least one aperture through said top surface portion to co-act with said raised edge.

5. A fountain brush according to claim 3 in which said opposing side members of said handle member are characterized by grooves formed along at least a portion of the inside surface portions thereof substantially at the base, and in which co-acting protuberances are formed along the outside longitudinal edges of said brush base.

6. A fountain brush according to claim 3 in which the free edge of said top surface portion of said handle member and the top edge of said brush base are characterized by a co-acting projection and recess.

7. A fountain brush according to claim 3 in which at least a part of the edge of said brush base at the back and the inside surface portion of said back surface portion of said handle member at the bottom are characterized by a co-acting projection and recess.

8. A fountain brush according to claim 3 in which said opposing side members of said open top container are characterized by at least one cut out portion along the top edges thereof.

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