Aug. 11, 1931. M. SOSS 1,818,280

FOUNTAIN BRUSH

Filed Jan. 27, 1930

Fig. 1

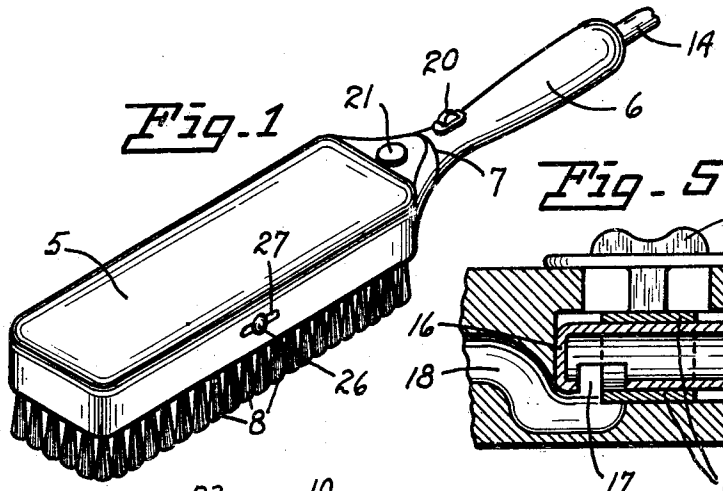


Fig. 5

Fig. 2

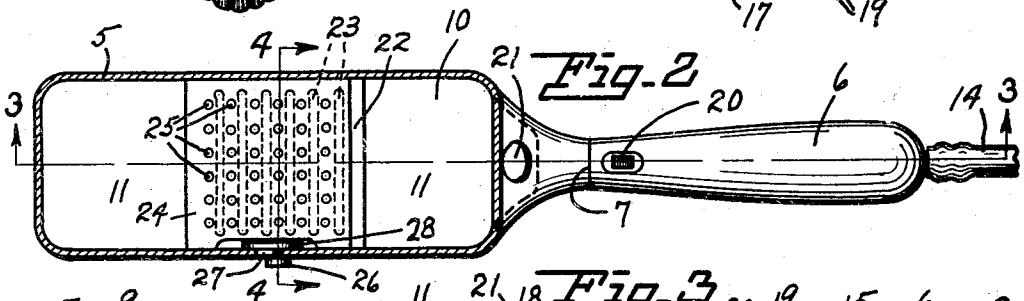


Fig. 3

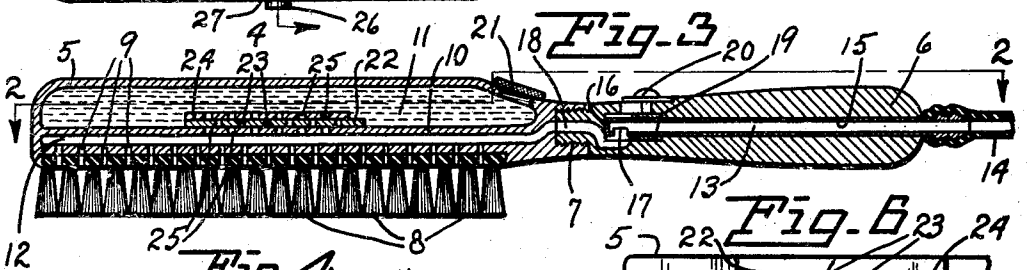


Fig. 4

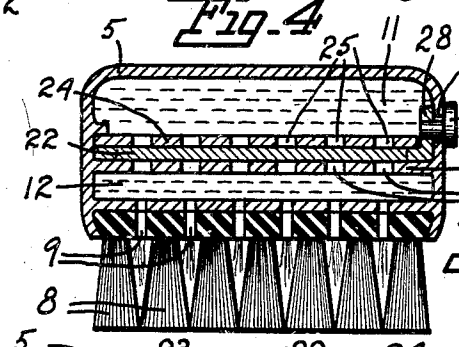


Fig. 6

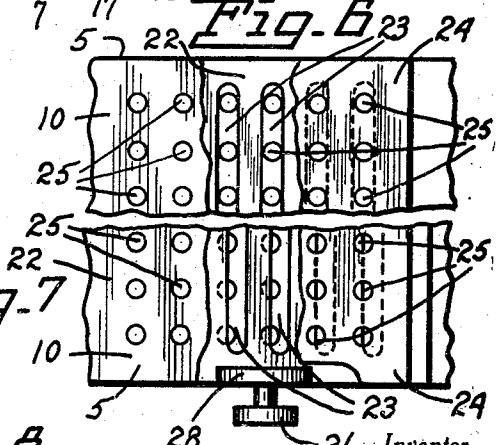
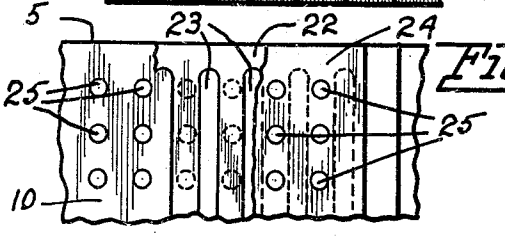


Fig. 7

Fig. 8



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UNITED STATES PATENT OFFICE

MARK SOSS, OF SPOKANE, WASHINGTON

FOUNTAIN BRUSH

Application filed January 27, 1930. Serial No. 423,649.

My invention relates to fountain brushes and certain objects of the invention are to provide a brush that is adapted for scrubbing purposes and which is provided with two compartments, one for liquid soap and the other for water, and means whereby the mixture of soap and water may be fed to the brush bristles. Further objects are to provide valve control means for the water supply, means for passage of the liquid soap into the water, and means for controlling said passage whereby the mixture of soap and water may be regulated as desired.

With the above and other objects in view which will appear as the description proceeds, the invention consists of the novel construction, adaptation, combination and arrangement of parts hereinafter described and claimed. These objects are accomplished by devices illustrated in the accompanying drawings; wherein:

Figure 1 is a view in perspective of my fountain brush;

Fig. 2 is a view partly in top plan and partly in horizontal section taken substantially on a broken line 2, 2 of Fig. 3;

Fig. 3 is a view in central longitudinal vertical section taken on a broken line 3, 3 of Fig. 2;

Fig. 4 is a view in transverse vertical section taken on a broken line 4, 4 of Fig. 2;

Fig. 5 is a fragmentary view in longitudinal vertical section showing the water valve or cut off;

Fig. 6 is a fragmentary plan view showing the soap valve or passage means in the open position;

Fig. 7 is a similar view showing the soap valve partly open and partly closed; and

Fig. 8 is a similar view showing the soap valve in the closed position.

Referring to the drawings throughout which like reference numerals indicate like parts, the numeral 5 designates the hollow brush body portion having a handle 6 threadedly connected therewith at 7. Said body portion is provided with the usual bristles 8 and small holes 9 are interposed between said bristles extending to the interior of the brush whereby the liquid therein may be supplied to said bristles as will be understood.

The hollow brush body portion 5 is provided with a horizontal partition 10 which divides said body into an upper compartment 11, and which we will call the soap compartment, and a lower compartment 12 which we will call the water compartment. The handle 6 has a conduit 13 therethrough which is in communication with said water compartment, and a projection on the end of said handle provides means whereby a rubber hose or tube 14 may be installed for supplying running water to the brush.

The passage of water through the handle conduit 13 to the compartment 12 is controlled by a valve which is made by installing a snugly fitting pipe 15 into said conduit having a closed inner end 16 and a port or hole 17 adjacent said inner end which communicates with a short curved conduit 18 that completes the passageway to said water compartment. A slidable sleeve 19 is installed on said inner pipe end and an exterior push button 20 connected with said sleeve provides means whereby said water valve may be slidably opened or closed or placed at any intermediate position to regulate the supply of water as desired.

The upper compartment 11 is used for liquid soap and is filled through a plugged opening 21. The means for passing the soap from said upper compartment to the lower compartment 12 comprises a slidable plate 22 that is provided with spaced transverse slots 23. A corresponding plate 24 is fixed to the body 5 at its sides, as shown in Fig. 4, and is disposed a sufficient distance above the partition 10 to snugly and slidably receive said slidable plate. Both the stationary plate 24 and the partition 10 are provided with corresponding perforations 25 that are spaced equally apart with the slots 23 in the slidable plate.

A push button 26 disposed exteriorly on the side of the brush body 5 has its shank extending through a slot 27 therein to a connection with the slidable plate 22. Said connection is made with an upstanding lip 28, on the slidable plate, which completely covers said slot in all positions thus pre-

venting leakage. The slidable plate may be moved back and forth by means of the push button to completely open or close the perforations 25 by means of the slotted and slidable plate as shown in Figs. 6 and 8 respectively, or to any intermediate position to partly open or close said perforations as indicated in Fig. 7.

It will now be apparent that I have provided a fountain brush having means whereby a valve controlled stream of water may be supplied to its bristles and a regulated supply of liquid soap or other cleaning fluid may be mixed with the water supply as desired. The device is particularly useful in scrubbing floors and other objects, is simple in construction and comparatively inexpensive to manufacture.

Having thus described my invention, it being understood that minor changes may be resorted to in its construction and arrangement without departing from the scope and spirit of the invention, what I claim and desire to secure by Letters Patent of the United States is:—

The combination in a brush having a hollow rigid head and a perforated partition therein forming an upper soap reservoir and a lower water distributing chamber, means for supplying water to the chamber, said means comprising a slidable thumb actuated valve disposed on the brush handle, a slidable perforated valve plate arranged in the soap reservoir, the perforations of said valve being arranged to be brought into registration with the corresponding perforations in said perforated partition, and actuating means for said perforated valve comprising a slidable thumb actuated button arranged on one of the vertical sides of said brush.

In testimony whereof I affix my signature.

MARK SOSS.