

Sept. 26, 1933.

P. MEDNICK

1,928,111

BRUSH

Filed Sept. 23, 1932

2 Sheets-Sheet 1

Fig. 1

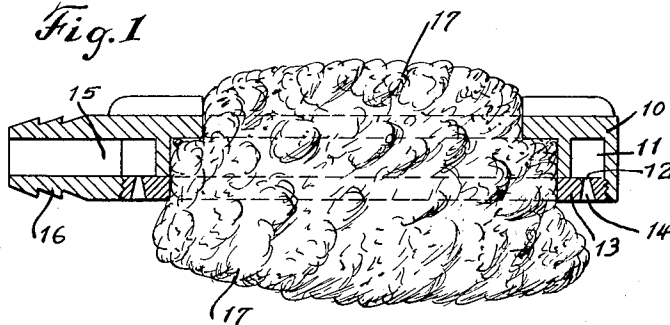


Fig. 2

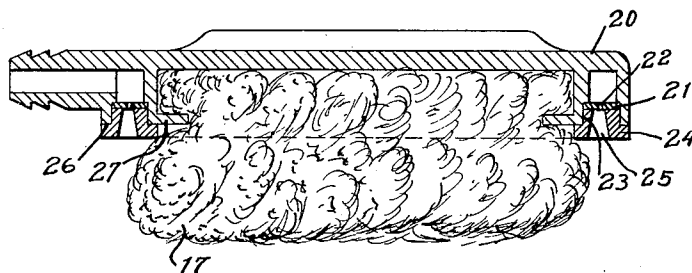
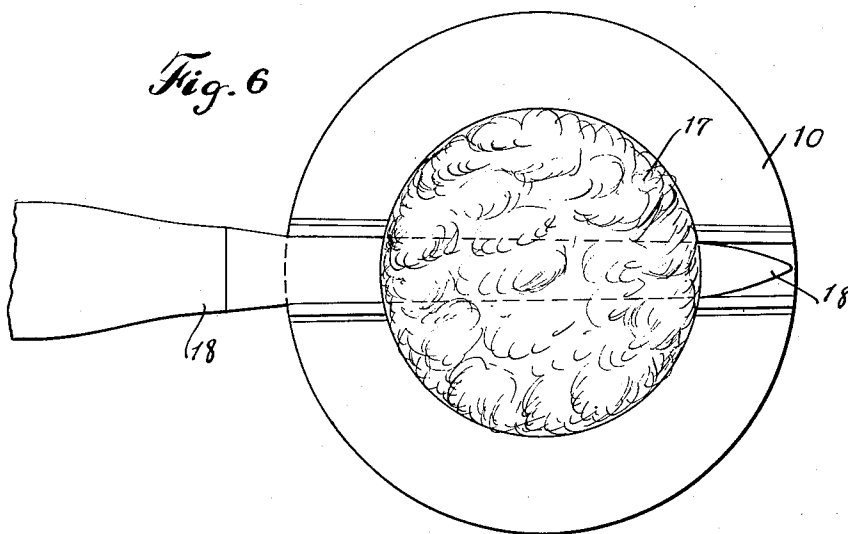


Fig. 6



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Fig. 3

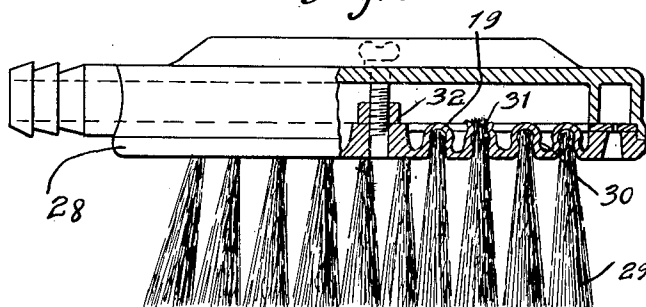


Fig. 7

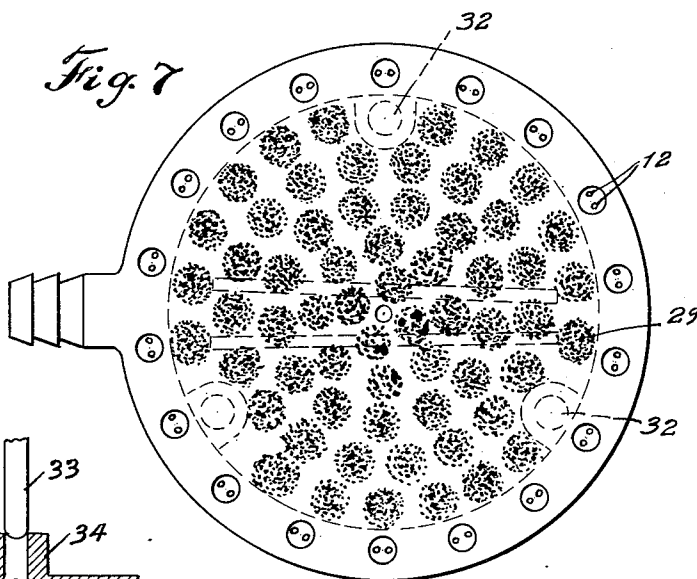


Fig. 5

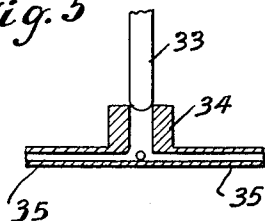
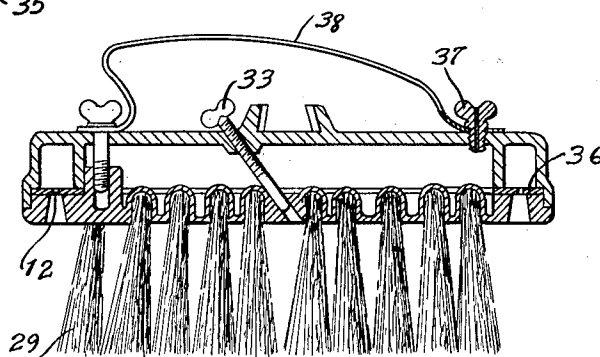


Fig. 4



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UNITED STATES PATENT OFFICE

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BRUSH

Philip Mednick, Brooklyn, N. Y.

Application September 23, 1932

Serial No. 634,500

3 Claims. (Cl. 15—129)

This invention relates to new and useful improvements in brushes, and constitutes a further improvement of the inventions, for which applications for patents have been filed by me under the dates of April 9, and July 30, 1932, Serial Nos. 604,191 and 626,453, respectively.

The device hereinafter described has an extensive scope of use, as it in one or another of its modified forms may be employed in connection with bathing, hairdressing, dishwashing, auto-washing, or for any other suitable purpose.

As the construction is extremely simple, the cost of manufacturing should be comparatively low.

The device may be made from any suitable material and in any suitable manner, for instance by sand or die casting.

With the above and other objects in view, this invention consists of the novel features of construction, combination and arrangement of parts, hereinafter fully described, claimed and illustrated in the accompanying drawings forming part of this specification, and in which similar characters of reference indicate corresponding parts in all views, and in which:—

Figure 1 is a transverse vertical sectional view of my device. Figure 2 is a similar view of the latter somewhat modified. Figure 3 is a transverse vertical sectional view of my device showing bristles attached to the latter, while Figure 4 is a slight modification of Figure 3, and Figure 5 is a detail view pertaining especially to Figure 4. Figure 6 is another detail view showing one form of the top of the device as thus illustrated in Figure 1; while Figure 7 shows in part a bottom view of the device.

Referring more particularly to the drawings, Figure 1 illustrates my device, which comprises a ringformed frame-member 10, open at the top and bottom, and having a chamber 11 formed therein; the said chamber may, if the said ringformed member is made through a sand-casting process, be closed at the bottom, except for the small water-outlets 12, the form of which is also shown in Figure 6; or, if made through a die-casting process, the bottom of the said chamber may be entirely open, in which case a bottom-ring plate 13 screwed onto the said ringformed member 10 will close the bottom of the said chamber; the said bottom-ring plate having tapered openings 14 therein for outlet of the water. In the first embodiment described, the openings 14 of the said bottom-ring plate will naturally correspond to the openings 12 in the water chamber, as to position. In the outer

side-wall of the device is an opening 15 for the insertion of a spout 16, whereby to convey water to the said chamber. The said spout may be attached to the said member 10 in any suitable manner, such as by screws or a screw-threaded arrangement.

Into the said ring-formed frame-member 10 is inserted a sponge 17, which protrudes a little above the top of the latter and is held in place by means of a handle 18, which is inserted through the top portion of the said sponge 17, and is otherwise engaged to the frame-member 10 by being slid into a top recess formed in the latter, and shown especially in the detail view, Figure 6.

In Figure 2 my device is shown with a lid or top cover 20, formed integral with the said ring-formed frame-member, whereby the latter assumes the character of an inverted vessel or container. In said Figure 2 the water chamber is however open below, and a ringmember 21, formed with perforations 22 therein, is arranged to cover the latter, the said ringmember being secured in place by set-offs 23, formed upon the walls of the said water chamber; a rubber gasket 24 having tapered openings 25 therein is securely mounted by any suitable means on top of the ringmember 21, in position to register with the perforations 22, while a ring-formed cover 26 is fastened onto the bottom of the device in any convenient manner.

Lug members 27 are formed upon the inner walls of the water chamber to retain in position the sponge 17, when the latter is pressed into the said container.

The usual arrangements for insertion of the handle 18 at the top may be retained herein, and the water inlet is provided for as formerly described.

In Figure 3 is shown a further modification to the effect that the bottom cover 28 of the device illustrated herein closes the open bottom of the container and is of a somewhat corrugated construction with the bristles 29 of the brush arranged and fastened in the depressions or deeper parts of the said corrugated surface; the said bristles are then in turn secured by pressing two opposite walls, forming such depressions, together, as shown at 30.

In Figure 3 has, however, also been shown a slight modification in the said arrangement of the bristles to the effect that the latter may penetrate the said depressed parts by means of small openings formed in the latter, whereupon the

edges of the said openings are squeezed tightly onto the said bristles, as shown at 31.

The said bottom cover 28 may be screwed onto the container or secured to the latter by means of screws 32.

In Figure 4 is shown a modification to the former arrangement, as the empty central space of the container here is adapted to hold some fluid remedy, or fluid soap, which may be discharged by manipulating a screw-valve 33, preferably operated from above the top cover, and penetrating as well the said top as bottom cover, as shown; suitable washers may, of course, be employed to assure a tight fitting of the said screw-valve 33 to the top and bottom cover.

The said valve may, however, also, if desired, be operably connected with and close a separate container 34 as shown in Figure 5, from which container discharging tubes 35 for said fluid extend over and through the bottom cover.

In the construction shown in Figure 4 a washer 36, made of any suitable material and having perforations in the center to register with the water-outlets, is arranged between the bottom wall of the said water chamber and the bottom cover to prevent water from the said chamber to enter and mix with the said fluid soap composition.

A vent 37 is shown at the top of the container, to which a strap 38 also may be attached to facilitate operating the device.

It is obvious that changes may be made in the form, construction and arrangement of the several parts, as shown, within the scope of the appended claims, without departing from the spirit of my invention, and I do not therefore wish to limit myself to the construction and arrangement shown and described herein.

What I claim as new, and desire to secure by Letters Patent of the United States, is:—

1. A device of the class described, comprising, in combination, a vessel formed with a water-chamber therein adjacent its outer wall and having an inlet through the latter, a ring-member being formed with downwardly flaring perforations and covering the said water-chamber, the walls of the latter being formed with set-offs

to secure the said ring-member, a rubber gasket formed with tapered openings therein and being mounted upon the said ring-member in the manner that the openings of the former register with the perforations of the latter, and a ring-formed bottom cover upon the said vessel.

2. A device of the class described, comprising in combination, a vessel constituting the base of a brush, a water-chamber arranged within the latter and near its circumference, the said water-chamber having downwardly flaring, perforated openings at its bottom and a water-inlet upon its side wall, a bottom cover for closing the said vessel, the said bottom cover being formed with a corrugated surface, the depressed parts of the said corrugated surface being formed with openings therein adapted to receive tufts of bristles and having the edge portions of the said openings pressed against the said tufts for securing the latter in position, a washer formed with perforations and arranged between the bottom of the said water-chamber and the bottom cover, a fluid compound deposited in the vessel and a valve for discharging the said fluid compound among the bristles.

3. A device of the class described, comprising, in combination, a vessel constituting the base of a brush, a water-chamber arranged within the latter and near its circumference, the said water-chamber having downwardly flaring, perforated openings at its bottom and a water-inlet through its side wall, a bottom cover for closing the said vessel, the said bottom cover being formed with a corrugated surface, the depressed parts of the said corrugated surface being outwardly bent to receive and secure tufts of bristles placed therebetween, a washer formed with perforations and arranged between the bottom of the said water-chamber and the bottom cover, a fluid compound deposited in the said vessel and a valve for discharging the said fluid compound, the said valve cooperating with a socket integral with the bottom cover, and tubes extending from the said socket for distributing the fluid compound among the bristles.

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