July 22, 1930. F. H. NEWTON 1,770,943

FOUNTAIN APPLIANCE

Filed May 8, 1928

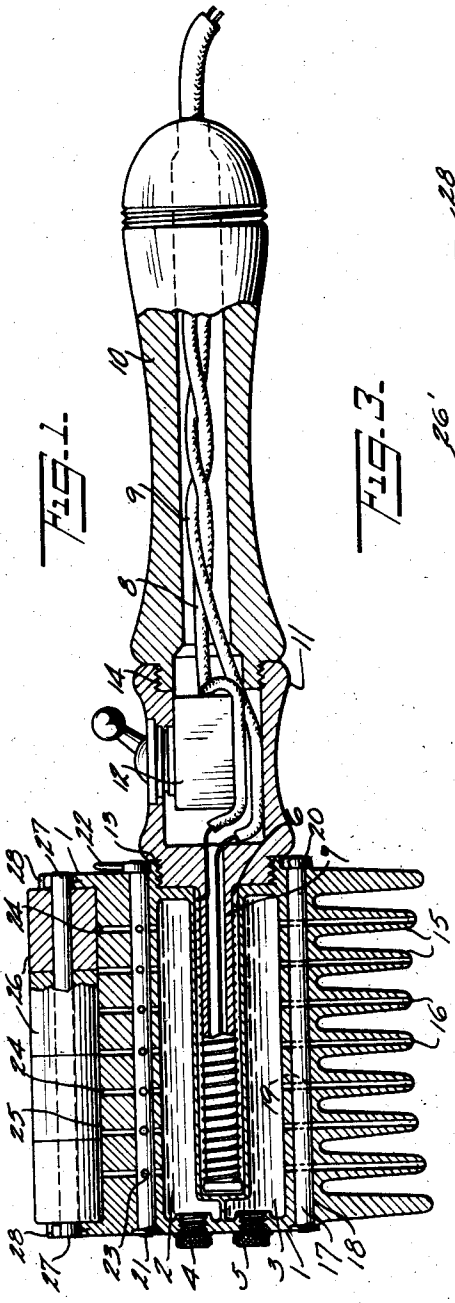


FIG. 1.

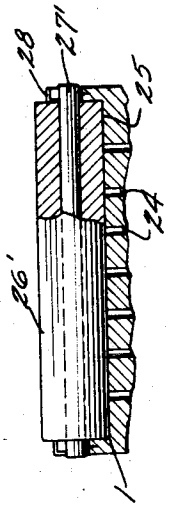


FIG. 3.

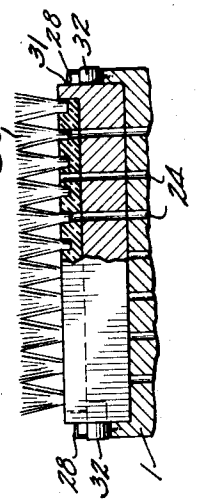


FIG. 4.

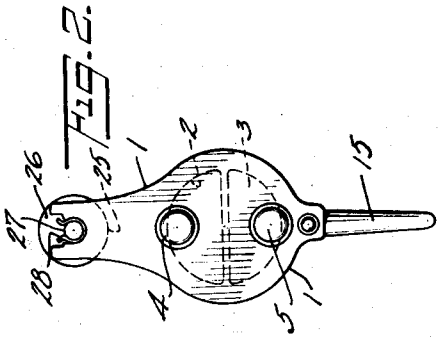


FIG. 2.

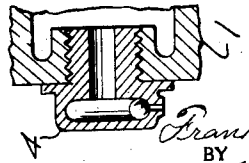


FIG. 5.

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UNITED STATES PATENT OFFICE

FRANK H. NEWTON, OF LOS ANGELES, CALIFORNIA

FOUNTAIN APPLIANCE

Application filed May 8, 1928. Serial No. 276,043.

My invention relates generally to toilet appliances of the fountain type which are employed for giving various different treatments to the human skin or scalp and hair, and by means of which liquids or medicinal substances may be directly applied thereto.

An important advantage of my present improvements is the provision of a fountain appliance or apparatus having multiple skin or scalp treating devices differing in character and function from each other and each having its own reservoir for supplying it with liquid or substance for direct application to the part to be treated, and in cases where the applied substance is to be hot, heating means common to all the reservoirs is employed. Another important advantage derived from my invention, is that the skin or scalp treating devices are removably mounted in operative positions on the casing or frame and can be quickly demounted and replaced by a different form of toilet device, whenever desired. There are other desirable advantages possessed by my improvements, which will appear hereinafter in the detailed description of the same in connection with the drawings herein.

I have illustrated a type of my invention in the accompanying drawings, wherein;

Figure 1, shows a view of my improved appliance in longitudinal section, the plane of the section extending centrally through the structure.

Figure 2, shows a view in elevation of the end of the appliance.

Figure 3, and also 4, show detail views of certain modifications of the demountable devices.

Figure 5, shows a sectional view of the vent for the reservoir.

Referring to the drawings, 1 designates a casing or frame oblong in shape and provided with longitudinally disposed reservoirs 2 and 3, for containing the liquid or other skin treating substance, or lotion for the hair, as the case may be. At their outer ends, the reservoirs have filling holes provided with screw-plugs 4 and 5, respectively, which are suitably air vented as indicated in Fig. 5.

Between the reservoirs is arranged a heater chamber 6, which is open at one end for the reception of a suitable ordinary heating element 7, supplied with electric current by the conductors 8 and 9, which pass through the handle 10, and out of the free end of the same. The core of the electric heating element is formed integral with the tubular housing 11, in which is arranged a toggle-switch 12, for controlling the current. The casing has a threaded socket at 13, for receiving the threaded end of the housing and the housing has a threaded socket at 14, for receiving the threaded end of the handle 10. These threaded parts may be made of the same size so that in the event of any one wishing to use the appliance, without the heating element, the same may be removed and the handle screwed directly into the socket 13, of the casing.

One side of the casing 1, is provided with a row of comb teeth 15, having ducts 16, extending through them and debouching at the tips of the teeth. A cylindrical valve 17, is mounted to turn in chamber 18, and is provided with ports 19, for the respective ducts 16, with which the ports may be made to register by turning the cylindrical body on its axis by means of the handle 20, at one end thereof. A half-turn of the valve serves to simultaneously close all the ports and stop the flow from the reservoir 3 through ducts 16.

Upon the opposite side of casing 1, is mounted a cylindrical valve 21, having an operating handle 22, and provided with transverse ports 23, the parts being duplicates of the valve 17, already described. This valve 21, controls the flow of contents of the reservoir 2, through outlets or ducts 24, which open upon the curved surface 25, on the exterior of the casing where the set of rollers 26, are disposed. These outlets supply the surface of the rollers with the liquid or substance from reservoir 2 when valve 21 is open, said valve being shown in its closed position in Figure 1.

The facial rollers 26 turn freely on an axle 27, the projecting ends of which are removably mounted in spring clamps 28, placed in

recesses formed in the casing. (Figs. 1 and 2.) In Figure 3, I show a single roller 26', instead of a series of smaller ones, as this form is preferable in some cases in manipulating the skin.

In Figure 4, I show a toilet device having a row of fountain brushes 30, which are set in a removable member 31, having end parts or trunnions 32, for insertion in the spring-clamps 28, above described. These brushes have liquid supplying ducts 33 which communicate with the ducts 24, hereinbefore described in connection with Figure 1, and which latter are controlled by valve 21. When desired, the rollers 26, may be removed and replaced by the fountain brushes and an application made thereby of the contents of the reservoir 2.

By virtue of having the toilet device demountable and providing a set of devices of different types having different functions, my improved applicator affords much facility in the interchangeability of such devices and gives a wide range of use of these different appliances.

In using my improved applicator, the reservoir for the comb may be filled with one kind of liquid and that for the facial rollers with a different kind and upon throwing the electric switch, the heater serves to heat the contents of both reservoirs. As each device is to be used, its valve is opened to permit the outflow of the contents of its reservoir. The fountain comb device serves to apply its liquid to the scalp and hair in the usual way and the roller device may be applied to the face and neck or any part of the body desired in the manner of rubbing or massaging the skin which at the same time has the liquid applied to it.

Having thus described my invention, what I claim and desire to secure by Letters Patent is:

1. A fountain appliance for applying lotion to the human body by means of different types of applying devices, the same comprising a casing provided with a lotion reservoir having valve-controlled outlets, the exterior of said casing having a recess in which an applying-device is demountably seated, the said reservoir-outlets discharging into said recess so as to supply lotion to the device removably seated therein.

2. A fountain toilet appliance comprising a casing having separate liquid reservoirs therein each provided with valve-controlled outlets, separate toilet devices each supplied with liquid from one of said reservoirs, a heater-chamber disposed between said reservoirs for heating each of them, and a handle for manipulating the appliance detachably mounted on said casing and provided at its inner end with a heating element insertable in said heater-chamber.

3. A fountain toilet appliance comprising a casing provided with a liquid reservoir having valve-controlled outlets discharging upon the exterior of said casing, a liquid applying toilet device removably mounted on said casing and supplied with liquid by said outlets, the said mounting comprising spring-snap means, whereby said device may be readily detached and replaced by another toilet device.

4. A fountain appliance for applying lotion to the human body by means of different types of applying devices, the same comprising a casing provided with a plurality of lotion reservoirs each having valve-controlled outlets, said casing having upon its exterior applying means provided with teeth having longitudinal ducts supplied by the outlets from one of said reservoirs, the exterior of said casing having also a recess in which an applying device is demountably seated, another of said reservoirs having its outlets discharging into said recess so as to supply lotion to the device detachably seated therein.

Signed at New York city, in the county of New York, and State of New York, this 7th day of May, 1928.

FRANK H. NEWTON.