July 26, 1932. M. GOWER 1,868,598

SHAMPOO APPARATUS

Filed May 16, 1931 2 Sheets-Sheet 1

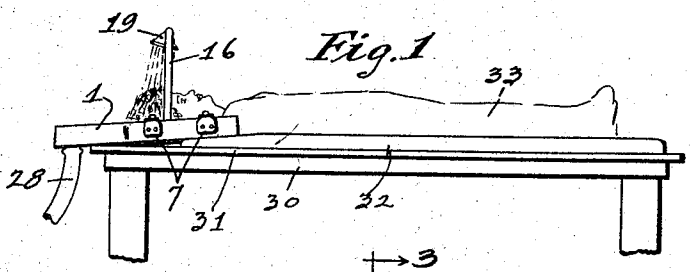



Fig. 1

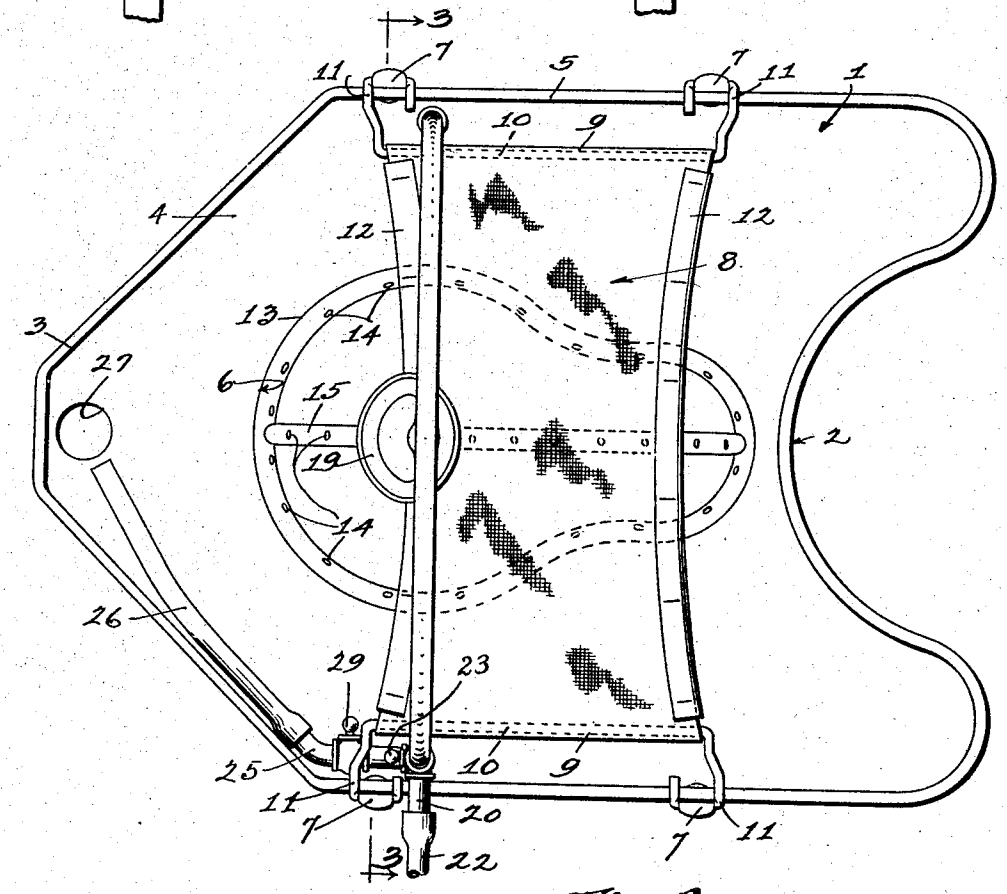



Fig. 2

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Filed May 16, 1931 2 Sheets-Sheet 2

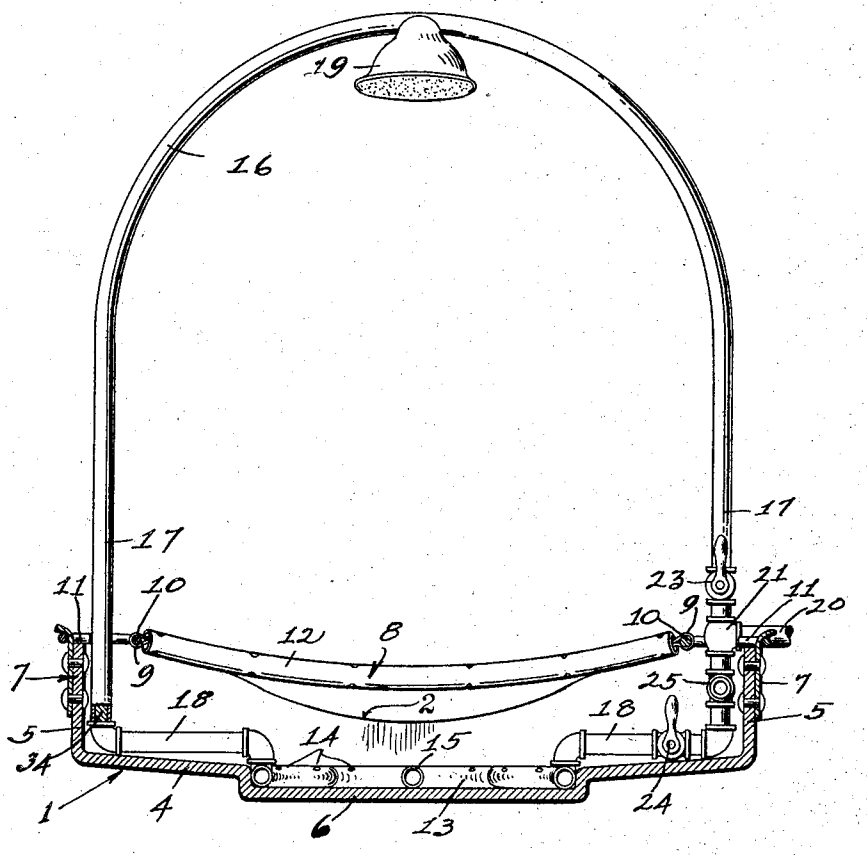



Fig. 3

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# UNITED STATES PATENT OFFICE

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## SHAMPOO APPARATUS

Application filed May 16, 1931. Serial No. 537,895.

This invention relates to and has for an object the provision of an improved type of shampoo apparatus, including a basin with a rest for the head of a person, means disposed below and above the head for spraying the washing solution or water onto the head from above and below, and means for draining off the contents of the basin.

This invention comprehends the provision of an apparatus of portable character and light weight adapted to be used upon a table or the like whereon a person may recline while receiving a hair treatment, and adapted to be connected with a source of supply for water or a treatment solution so that the solution may be continuously or intermittently applied to the head.

Other and more detailed objects may appear as the description progresses.

In the accompanying drawings I have shown a preferred form of invention, in which

Fig. 1 is a side elevation of the apparatus operatively positioned on a table for use in giving hair treatments.

Fig. 2 is an enlarged plan view of the apparatus.

Fig. 3 is a transverse sectional elevation of the same on line 3—3 of Fig. 2.

As generally arranged, the apparatus includes a shallow basin 1 with a front end thereof provided with a curved recess 2, the rear end having an extension 3 gradually decreasing in width rearwardly. The basin 1 has a bottom 4 which slopes inwardly from an encompassing side wall 5 to a central depressed portion 6. The wall 5 extends entirely around the basin and is provided on opposite sides with lugs 7, 7 etc., suitably attached to or formed on the wall and bent outwardly at their upper ends from the wall, as shown.

A pair of such lugs is provided on each side of the basin. A pervious head rest 8 is provided in the form of a swing over the central portion of the basin and spaced from the bottom 4 thereof. Said rest is formed of fine mesh non-corrosive metal gauze, or other suitable pervious material.

The opposite ends of the rest 8 are provided with seams or loops 9 in which are held metal rods 10 for stiffening the ends of the rest. Said rods extend outwardly from opposite sides of the head rest and are bent to form hooks 11 which engage the bent ends of lugs 7 for supporting the head rest in operative position on the basin 1.

The head rest 8 may be provided with strips of material as at 12 on the front and rear edges thereof, which are folded over the top and bottom sides of the sheet of gauze 8, and are suitably attached thereto. The strips 12 serve to provide comfort in the head rest and prevent the edges thereof chafing the neck of a person when the head is resting thereupon during a treatment. The strips 12 also serve to stiffen the edges of the rest 8.

Within the depressed portion 6 of the bottom I provide an inverted shower loop 13 formed of a tube having suitable orifices 14, 14 etc., in the upper side thereof for directing a liquid upwardly against the head when the same is resting on the member 8. The spray tube 13 may also have a diametrical portion 15 extending there across for connecting opposite portions of the tube 13 and provided with the orifices 14.

The tube 13 is connected with an upright loop 16 which is arched over the head rest 8 and has its legs 17, 17 connected by means of horizontal sections 18, 18 with opposite sides of the looped tube 13. The arched portion 16 is provided with a suitable spray nozzle 19 which depends therefrom in the center of the device and is disposed over the head rest 8. The portions 13 and 16 of the liquid supply means are connected with a common inlet 20 by means of a T or other fitting 21, and said inlet may be connected by means of a flexible hose 22 with a source of supply for the liquids to be used in treatments.

Valves 23 and 24 are interposed between the inlet 20 and the arch 16 and the loop 13 respectively, and a drain outlet 25 is preferably connected between the inlet 20 and valve 24 for draining off the liquid thru an extension 26 connected with outlet 25 and an out-

let 27 at the rear end in the bottom of the basin 1. A suitable hose 28 may be connected with the aperture 27 for draining the contents of the basin into any receptacle. Preferably a valve 29 is provided in the outlet 25 for obvious purposes. At some point in the arch 16 a plug 34 may be inserted to prevent circulation of the water thereby, for purposes hereinafter explained.

In operation, as shown in Fig. 1, the receptacle 1 is positioned at one end of a table 30 and is slightly inclined rearwardly with the rear portion of the basin resting upon the table top 31 and the front portion thereof resting upon a suitable pad 32 on which a patient, as at 33, is supported in reclining position. The head of the patient is disposed between the legs of the arch 16 and beneath the spray nozzle 19, and rests comfortably upon the head rest 8. Thus when valves 23 and 24 are open and the valve 29 is closed, the water or liquid from inlet 20 will circulate thru the arch 16 and the loop 13, and the water will be sprayed downwardly from the nozzle 19 of the arch and upwardly from the orifice 14 of the loop onto the head of the patient.

The volume and pressure of the liquid is, of course, regulated by the valves 23 and 24 so that the pressure and volume in the arch and loop may be the same or different, as requirements demand. The opening of valve 23 and closing of valves 24 and 29 will obviously serve to spray the water only from the nozzle 19, while the opening of valve 24 and closing of valves 23 and 29 will serve to spray the liquid only from the loop 13.

At intervals in giving hair treatments it is necessary to rub certain elements into the hair for properly treating and cleansing the scalp, and during such periods of time the valves 23 and 24 may be closed and the valve 29 opened so that the liquid will flow from inlet 20 thru valve 29, and thence outwardly thru tube 26, outlet 27 of the basin, and drain pipe 28. The contents of the basin will at all times flow rearwardly to and outwardly thru the outlet 27, due to the inclination of the basin as shown and described.

What I claim is:

1. A shampoo apparatus comprising a basin, a head rest supported on and above the bottom of the basin, and a liquid spraying device including spraying elements disposed below and above the head rest, and means for directing a liquid to and for spraying the same from said elements, for the purpose described.

2. A shampoo apparatus comprising a basin, a pervious head rest supported on and above the bottom of said basin, a liquid spray mounted in the basin below said head rest, a liquid spray supported on the basin and above said head rest, and means for directing liquid to said spray in regulated volume.

3. A shampoo apparatus comprising a basin, a spray mounted on the bottom thereof, a pervious head rest supported on the basin above said spray whereby liquid from the spray may be sprayed thru the head rest, and means for directing a liquid to and thru said spray in regulated volume from a source of supply.

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