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SHAMPOO LAVATORY

Filed Dec. 16, 1929

Fig. 1.

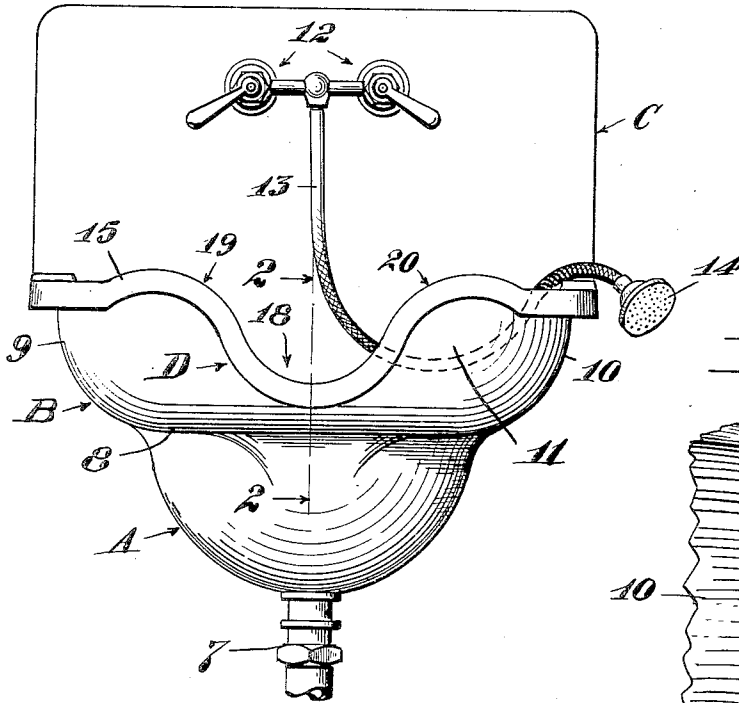


Fig. 2.

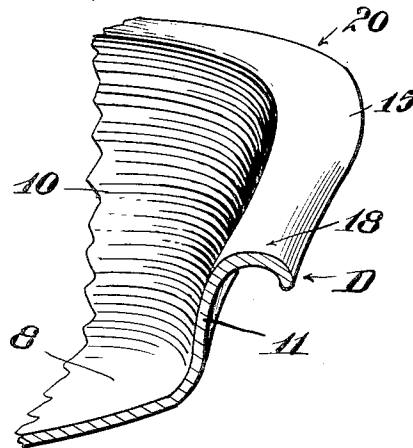


Fig. 3.

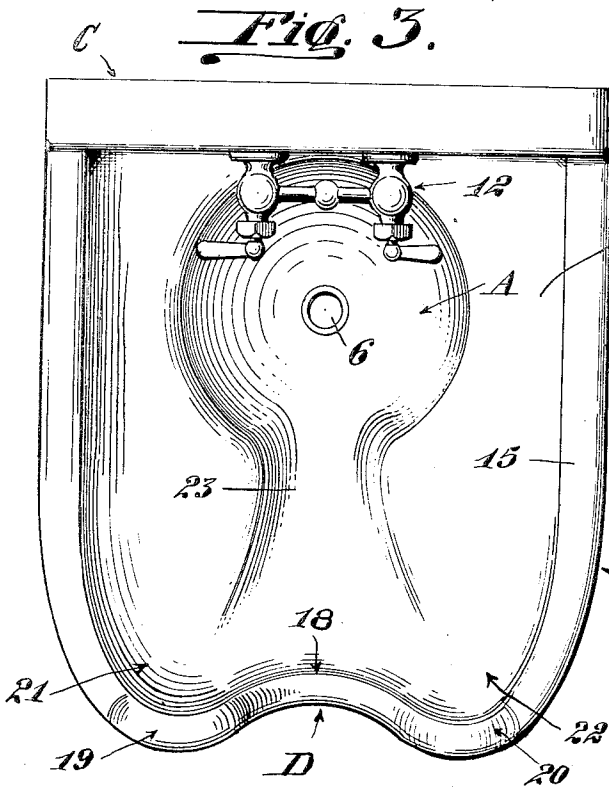
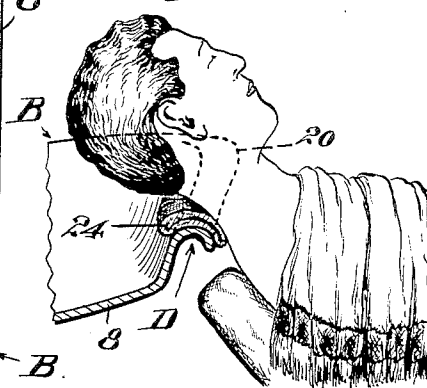


Fig. 4.



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SHAMPOO LAVATORY

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This invention relates to a lavatory and particularly pertains to lavatories of the type which are specially adapted for use in shampooing and similar operations.

5 The invention contemplates the provision of an improved shampoo lavatory which is so designed and applied as to overcome the objectionable features of shampoo appliances now generally in use, to greatly facilitate shampoo operations, to afford comfort to the person being treated, and to enhance sanitation.

10 An object of the invention is to provide a shampoo lavatory which, while being suitable for use as a general plumbing fixture, is especially serviceable as equipment in beauty parlors, barber shops and other establishments where shampooing operations and other hair and scalp treatments are performed by operatives.

15 Another object is to provide a shampoo lavatory which may be installed in the usual plumbing systems, in a manner similar to that employed with the ordinary lavatories, thereby affording a stationary shampoo fixture and obviating the use of portable stands, trays and the like, now generally used in shampoo parlors, and also obviating the unsanitary conditions and inconveniences incident to the use of such portable devices.

20 Another object is to provide a shampoo lavatory with an integral neck support or head rest adapted to receive and support the neck and head of a person while occupying a chair in either a recumbent or partly recumbent position with the back of the head presented to the lavatory, and in which the head of the person will be supported in comfort and in such position as to facilitate the work of the operator as by giving the hands of the operator free and unhampered access to all parts of the scalp and without disturbing the person being treated.

25 Another object is to provide a shampoo lavatory of the above character embodying a bowl with a tray and a head support formed integrally therewith; in which the parts are so formed and interconnected as to minimize the possibility of water or other liquids used in the shampoo operation from splashing

over the margin of the lavatory and whereby the shower directed from a shampoo spray nozzle may be collected and conveyed to the bowl so as to minimize the wetting of the floor and wall adjacent the lavatory.

55 With the foregoing objects in view, together with such other objects and advantages as may subsequently appear, the invention resides in the parts and in the combination, construction and arrangement of parts hereinafter described and claimed and illustrated by way of example in the accompanying drawing, in which:—

Fig. 1 is a view of the shampoo lavatory as seen in front elevation;

Fig. 2 is a detail in section and elevation as seen on the line 2—2 of Fig. 1 showing the manner of forming the neck and head support;

Fig. 3 is a plan view of the shampoo lavatory;

Fig. 4 is a detail illustrating the application of the invention.

75 Referring to the drawing more specifically A indicates the lavatory bowl which is formed with the usual drain outlet 6 for connection with a waste pipe 7 leading to a trap (not shown) communicating with a discharge pipe, as in ordinary plumbing equipment. The bowl A is substantially of hemispherical shape and is of such depth as to accommodate sufficient water to permit of its use as a wash basin on plugging the outlet 6, in the manner common to the usual lavatory bowl, and also serve as a basin for confining water discharged from a spray nozzle in shampoo operations, as will be later described.

80 In carrying out my invention the bowl A is formed integral with a tray B including a bottom wall 8 which merges into and projects laterally and forwardly from the margin of the bowl and merges, preferably on a curve, into side walls 9 and 10, and into a front wall 11. The lavatory also includes an integral back wall C which extends above the tray B, as is common in wall lavatory construction, and which wall is equipped with a conventional double faucet 12 for connection with hot and cold water supply pipes: the faucet having an outlet with which is con-

nected a flexible hose 13 fitted at its outer end with a spray nozzle 14.

The margins of the side and front walls of the tray are formed with an integral rim 15. The forward end of the tray is formed with an integral neck and head-rest D and has a configuration which renders the lavatory especially suitable for use in shampoo operations; this neck and head-rest, and the formation of the forward end of the tray constituting an important feature of the present invention.

The neck and head-rest is designed to receive and support the back of the neck of a person while seated in a chair and disposed in a recumbent or partly recumbent position, as shown in Fig. 4; the contiguous portions of the tray are formed so as to provide wall surfaces which will project upwardly alongside the head of a person being treated and also at the front end of the tray to confine water and liquids against overflowing the margin of the tray and also confine the splash from the spray nozzle; and the forward end of the tray is further formed in such manner as to afford ample space for the hands of the operator and permit ready access being had to the portions of the head presented to the tray.

With the purposes just referred to in view, the neck and head-rest D is formed centrally of the forward end of the tray by an arcuate depression 18 in the upper margin of the forward wall 11 with the end portions of the margin of the depression 18 merging into upwardly curved arcuate marginal portions 19 and 20 at the forward end of the tray. The wall 11 is formed at an incline to the vertical leading forward and upward relatively to the bottom wall 8 and accordingly the margin of the depression 18 is correspondingly inclined so that the upper portions thereof will project forwardly of the lower portions. The arcuate margins 19 and 20 will thus project forwardly of the bottom or lower portion of the depression 18 so as to extend forward of the ears of a head supported on the rest, as shown in dotted lines in Fig. 4. The rim 15 is continued along the arcuate margins 19 and 20 and along the margin of the arcuate depression 18.

The side walls of the tray are spaced apart a sufficient distance to afford ample space on each side of the head for insertion of the hands of the operator, and in like manner the bottom of the tray is spaced below the margin of the depression 18 to admit the hands of the operator beneath the back of the head. The side walls 9 and 10 merge into the end wall 11 on arcs or curves, and by the bottom wall 8 merging into the side and end walls on curves, the forward end of the tray is formed with a pair of dished portions 21 and 22 disposed on opposite sides of the depression 18, which by reason of the clearance

afforded by the arrangement of the walls as before described, admits of free manipulation of the back and sides of a head supported on the rest D.

As a means for effecting rapid drainage from the tray into the bowl, the bottom 8 is formed with a central trough 23 which leads at a downward incline from adjacent the forward end of the tray into the front wall portion of the bowl.

In the application and use of my improved shampoo lavatory, in the form here shown, it is rigidly affixed to a suitable fixed support and is connected to a plumbing and hot and cold water system in a conventional manner commonly employed in installing ordinary lavatories.

The person to be treated is seated in a tip-back chair which is tilted so as to position the neck in the depression 18 with the back of the head presented downwardly. A folded towel 24 may be laid in the depression to serve as a cushion. The person's head will then be disposed to project rearwardly over the forward end portion of the tray, as shown in Fig. 4, and by reason of being supported clear of the bottom and sides of the tray may be freely manipulated throughout, while the person being treated lies back in a comfortable position, with the head and neck firmly supported on the margin of the tray.

By the provision of the depressed neck and head rest as shown, a two-fold purpose is provided; namely, a seat for the neck which will hold the latter against free sideways movement, and a wall at each side of the rest of such height as to prevent or minimize the splash of liquid forwardly onto the neck and shoulders of the person being treated.

By providing the lavatory with the bowl A, it may be employed as an ordinary lavatory as well as for shampooing, and by employing the construction shown, it may be readily substituted for most wall lavatories now generally in use in shampoo establishments as it may be attached to the ordinary plumbing and water connections.

Furthermore the bowl A, by reason of its depth extending below the bottom wall of the tray affords a recess into which the nozzle 14 may be disposed while the spray is being discharged therefrom, as where the operator finds it expedient to lay aside the nozzle without shutting off the water supply and to employ both hands in the shampooing operation, the bowl then serving to confine the water emitted from the nozzle and to direct it to discharge through the drain outlet and thus effectively avoid back wash over the margin of the tray.

From the foregoing it will be seen that the shampoo lavatory herein disclosed is characterized by the inclusion of a bowl fitted with a shampoo tray extending laterally and forwardly of the bowl with a front wall there-

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on formed with a marginal depression constituting a neck and head support which is so spaced in relation to the bowl and to the bottom and sides of the tray that when a person
 5 is disposed in a recumbent position with the back of the neck seating in the depression, the top, back and side portions of the head will not only be spaced from the opposed bottom, sides and back portions of the tray,
 10 but will also be positioned forward of the bowl so as to afford ample space to permit manipulation of the head in shampoo operations, and also permit the use of an unlimited quantity of water without needlessly wetting
 15 the face or neck or spilling water from the tray; the upper margins of the side, back and front walls of the tray being disposed throughout on a plane above the lower portion of the head supporting depression a sufficient distance to afford a protection against
 20 splash from the bowl and tray during spraying of the head, and also permit the use of water spray at considerable force, and which latter is further facilitated by the provision of
 25 the deep bowl to accommodate a considerable volume of water and to direct it to discharge.

I claim:

1. A shampoo substantially hemispherical fixture, comprising a lavatory bowl, a shampoo
 30 tray projecting laterally and forwardly from the margin of said bowl and merging therewith, said tray including a bottom wall and upstanding back, side and front walls, said front wall being inclined forwardly and
 35 formed with an arcuate neck and head supporting depression, the lower marginal portion of which is spaced above the adjacent bottom portion of said tray and well below the margins of said back, side and front walls
 40 and the side portions of which are spaced inwardly from the side walls of said tray, the

bottom wall of said tray projecting forwardly from said forward margin of said bowl such distance that with the aforesaid spacing of the marginal portions of said head supporting
 70 depression, the top, sides and back of the head of a person whose neck is seated in said depression will be spaced forwardly of said bowl above the bottom of said tray and inwardly from the side walls of the tray.

2. A shampoo substantially hemispherical
 75 fixture comprising a lavatory bowl, a shampoo tray projecting from the margin of said bowl, said tray including a bottom wall merging with the margin of said bowl and projecting
 80 from the marginal portion of said bowl, and also including upstanding back, side and front walls, the front wall of said tray being inclined upwardly and forwardly and formed with an arcuate depression adapted to receive and support the neck and head
 85 of a person in a recumbent position, the lower marginal portion of said depression being spaced above the contiguous bottom portion of said tray and the side portions of which are spaced inwardly from the side walls of the
 90 tray, the bottom wall of said tray projecting forwardly from said forward margin of said bowl such distance that with the aforesaid spacing of the marginal portions of said head supporting depression the top, sides and back
 95 of the head of a person whose neck is seated in said depression will be spaced forwardly of said bowl above the bottom of said tray and inwardly from the side walls of the tray, the upper margins of said back and side walls and the upper margin of said front wall being disposed throughout their lengths on
 100 planes located above the major lower marginal portion of said depression.

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