

April 26, 1932.

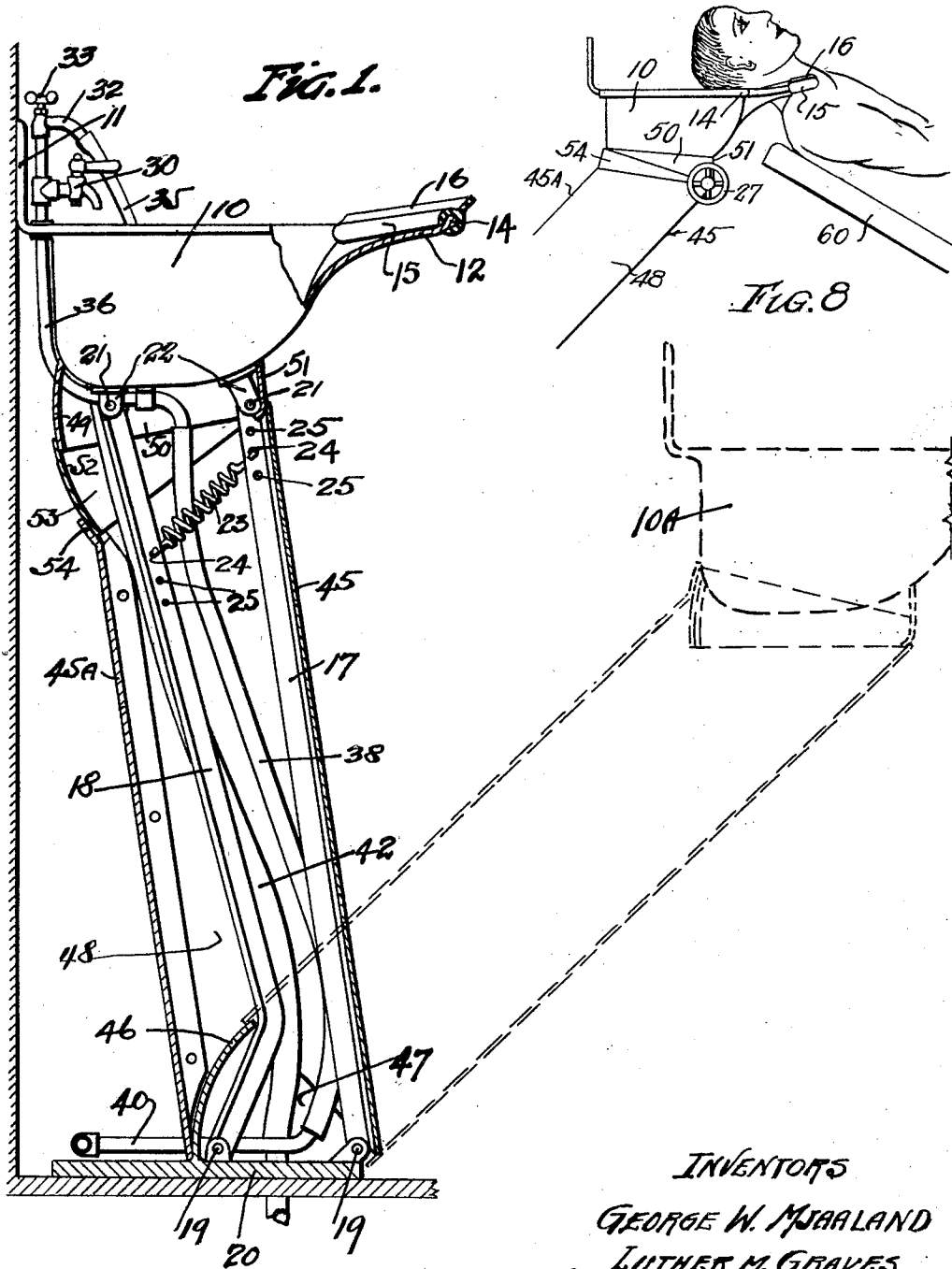
G. W. MJAALAND ET AL

1,855,864

LAVATORY

Filed March 7, 1931

3 Sheets-Sheet 1



INVENTORS
GEORGE W. MJAALAND
LUTHER M. GRAVES
By *J. Weatherford*
ATTY.

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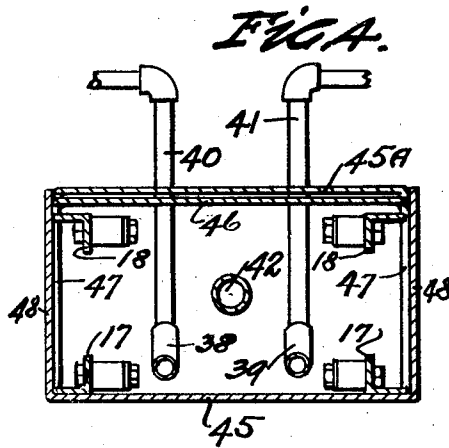
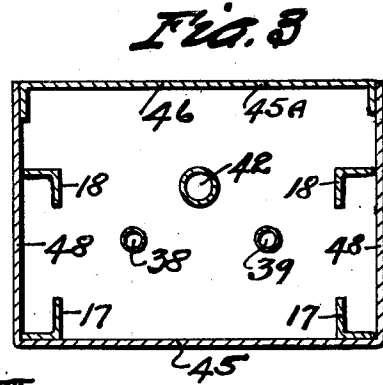
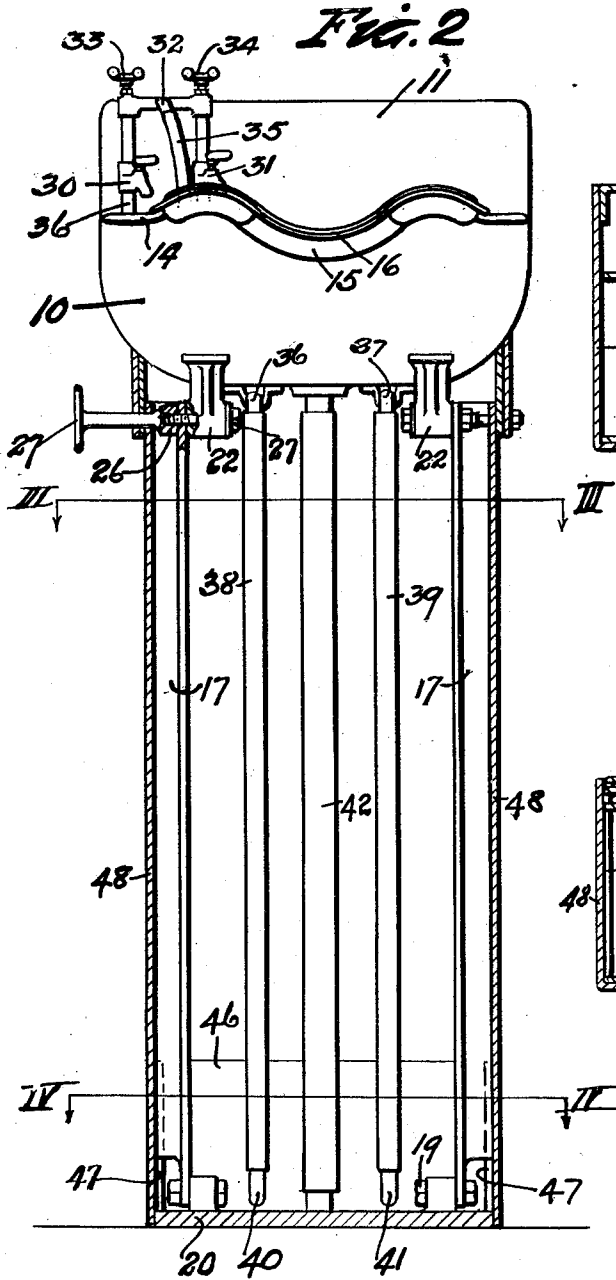
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INVENTORS
GEORGE W. MJAALAND
LUTHER M. GIBAVES
by J. H. Weatherford
ATTY.

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G. W. MJAALAND ET AL

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Fig. 5

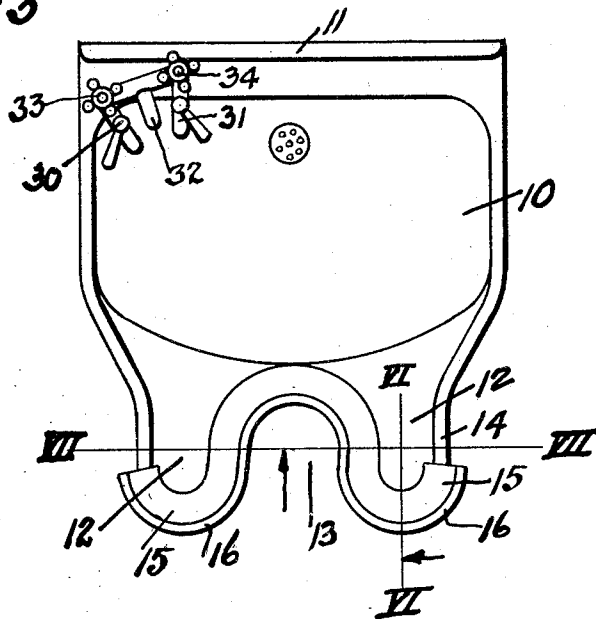


FIG. 6

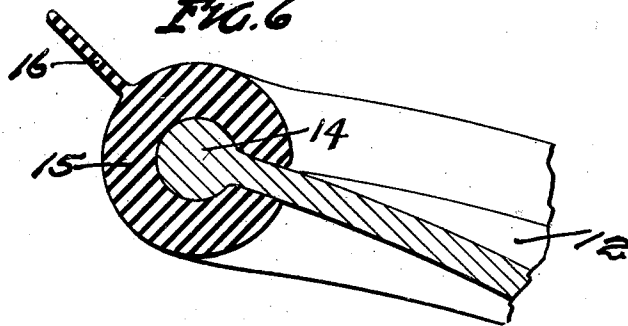
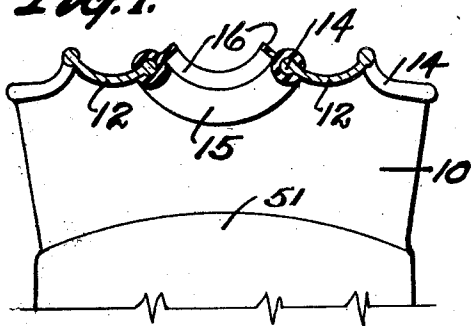


FIG. 7.



INVENTORS

GEORGE W. MJAALAND
LUTHER M. GRAVES
by J. H. Weatherford
ATTY.

UNITED STATES PATENT OFFICE

GEORGE W. MJAALAND, AND LUTHER M. GRAVES, OF MEMPHIS, TENNESSEE; SAID
MJAALAND ASSIGNOR TO SAID GRAVES

LAVATORY

Application filed March 7, 1931. Serial No. 520,786.

This invention relates to improvements in lavatories and more particularly to improvements in such devices for the use of barbers and beauty shop operators, through the medium of which shampoos and other similar treatments of the heads of patrons may be more conveniently accomplished.

After hair cutting and at other times it is often desired to wash or shampoo the head of a patron comfortably ensconced in a barber chair, the ordinary operation requiring applying the soap or other treatment and thereafter having the patron move to a lavatory, and bend over the bowl while such preparations are washed out.

The objects of the present invention are:—

- (a) To provide means for shifting a lavatory bowl to a position in proximity to the user;
- (b) To provide means in such shifting for maintaining the bowl level or substantially so;
- (c) To provide means for enclosing the pipes and supports associated with such bowl which will permit such shifting and yet maintain enclosure;
- (d) To provide means for compensating in part for shifting loads due to change in position of the parts and for clamping the bowl in shifted position; and
- (e) To provide means for accommodating and fitting a portion of the bowl to the neck of a patron.

The means by which the foregoing and other objects are accomplished and the manner of their accomplishment will readily be understood from the following specification on reference to the accompanying drawings, in which:—

Fig. 1 is a side elevation of a lavatory bowl and swinging support therefor, with the enclosing casing in section.

Fig. 2 is a front elevation, showing the casing similarly in section.

Figs. 3 and 4 are sections taken respectively on the lines III—III and IV—IV of Fig. 2.

Fig. 5 is a plan view of the bowl.

Fig. 6 is an enlarged fragmentary section on the line VI—VI of Fig. 5.

Fig. 7 is a fragmentary sectional elevation on the line VII—VII of Fig. 5.

Fig. 8 is a fragmentary side view showing the device in use.

Referring now to the drawings, in which the various parts are indicated by numerals, 10 is a bowl, having if desired, a splash-board 11, and provided at its forward edge with a U shaped neck shield comprising a pair of troughs 12, having rounded forward ends and spaced apart to leave therebetween a U shaped opening 13 for the patron's neck. These troughs drain rearwardly toward the bowl and the neck space therebetween is also downwardly inclined. Preferably the edges of these troughs are finished with a bead 14, which may also extend rearwardly along the sides of the bowl. In order also to more comfortably engage the patron's neck, a split roll 15 of soft rubber is engaged over the bead 14 extending entirely around the neck spaces and partly if not entirely around the ends of the troughs. The roll 15 may be provided with a projecting fin 16, coextensive in length with the roll which is displaced in whole or part in the neck space portion accordingly as the patron's neck is large or small. This rubber roll and fin serve to make a water tight seal with a neck engaging therewith.

The bowl is mounted for forward and downward movement as to the position 10A of Fig. 1, on hinged legs 17, 18, four preferably being used. These legs are of equal length and are hinged, as on pivot pins 19 carried by a base 20, and pins 21, carried by brackets 22, secured to the bowl and extending therebelow, the base pins 19 and bowl pins 21 on each side are spaced equal distances apart so that with the equal length legs they establish parallelograms and main-

tain the bowl horizontal in all positions. Preferably the legs 18 are bent as shown to avoid contact with portions of the enclosure as will be further noted.

5 Disposed between each pair 17, 18 of legs is a spring 23, the ends of which are hooked into holes 24 in the legs. Additional holes 25 may also be provided so that the springs may be shifted to increase or decrease the
10 tension and/or angle thereof. These springs when properly positioned and tensioned largely balance the weight of the bowl and support it in its positions of forward movement and hold it when fully raised. One
15 or more of the pivot pins, as the pin 21 (Fig. 2) may be provided with a clamping nut 26, having a convenient and accessible handle 27 by which the leg pivoted thereon may be
20 clamped to hold the bowl in any desired positioning.

The bowl is equipped with suitable water fixtures as for instance hot and cold water faucets 30, 31 and a joint faucet 32, with regulating valves 33, 34 by which water of
25 intermediate temperature may be supplied, through a flexible hose 35 if desired. Preferably these fixtures are positioned at one side of the bowl rather than directly in the center of the back thereof. From the faucets
30 30, 31 pipes 36, 37 lead downward, preferably following the curvature of the back of the bowl and are turned downward about centrally, fore and aft, thereof. From these pipes, extend flexible tubes 38, 39 which may
35 be of rubber, but preferably are of some of the well known types of spirally wound flexible tubes of metal. At the base these flexible pipes are connected to the usual pipes 40—41 leading to sources of water supply.

40 A flexible drain pipe 42 is also connected to the bowl and led downward therefrom, preferably passing directly downward through the floor. It will be understood that the usual bowl trap may be used if desired.

45 The bowl support and piping are preferably enclosed in a casing which may be of rectangular shape. This casing comprises a central portion 45, having a removable back section 45A to permit access if needed to the parts therewithin. This portion of the casing is secured to and moves with the legs 17. Integral with or secured to the base, is a base
50 section the rear portion 46 of which is arcuate, with the forward hinge pins 19 as an axis, so that the bottom edge of the back 45A of the central section will slide therealong as the bowl is swung forward. 47 are the sides of the base section which overlap and slide within the sides 48 of the center section.

60 Depending from the bowl is a casing section having a back 49, arcuate about the pins 21 as an axis, sides 50, and a front 51 encasing the forward brackets 22. This section telescopes within a second section having a
65 similar arcuate back 52 and sides 53, and

this in turn within a similarly shaped portion 54 of the central section. It will of course be understood that additional arcuate sections may be added if desired.

The bowl is permanently set up, and water
70 connections made, directly behind the barbers chair 60 with which it is to be used and sufficiently near thereto to permit the head of a person in the chair to be brought over
75 the bowl when the bowl is swung fully forward.

To use the device the patron lies back in the barber chair which is in a reclining position, such as is used in shaving and the head rest of the chair is removed. The bowl is
80 swung forward bringing the troughs over the patron's shoulders and on each side his neck. Since the bowl movement is downward as well as outward, it is necessary that the patron raise his head during such movement. After lowering the bowl, the patron
85 adjusts his neck snugly and comfortably in the neck opening and is ready for treatment. In using this device, lathering and treating the scalp may be done either before placing
90 the bowl or after adjustment as may be desired. If before only the usual washing is done over the bowl.

It will be understood that various modifications may be made in the details shown, and
95 that the drawings are for purpose of illustration rather than to show exact detail.

Having described our invention, what we claim is:—

1. In a lavatory fixture, a bowl, a floor base, 100 legs hinged to said bowl and to said base, said legs being of equal length and two of said legs having their hinge axes in a plane and the others of said legs having hinge axes lying in a plane spaced from said first plane,
105 whereby said bowl will be horizontally maintained during movement thereof.

2. In a lavatory fixture, a bowl, a base, legs of equal length hinged to said base and to said bowl, the hinge axes on said base being
110 spaced apart distances equal to the spacing of the hinge axes on said bowl, whereby said bowl will be maintained horizontal during movement, faucets mounted on and movable with said bowl, pipes rigidly carried by said
115 base, and flexible pipe connections from said base pipes to said bowl faucets.

3. In a lavatory fixture, a bowl, a base, legs of equal length hinged to said base and to said bowl, the hinge axes on said base being
120 spaced apart distances equal to the spacing of the hinge axes on said bowl, and a casing enclosing said legs, said casing comprising an arcuate section carried by said base, a plurality of telescoping arcuate sections depending
125 below said bowl, and a central section carried by said legs, having its lower end slidably engaging said base section, and its upper end slidably engaging said bowl sections.

4. In a lavatory fixture, a bowl, a base, legs
of equal length hinged to said base and to said
bowl, the hinge axes on said base being spaced
apart distances equal to the spacing of the
hinge axes on said bowl, and a casing enclosing
said legs, said casing comprising sections
carried by said bowl and base respectively
and a section carried by said legs slidably
movable with respect to said bowl and base
carried sections.

In testimony whereof we have hereunto set
our names.

GEORGE W. MJAALAND.
LUTHER M. GRAVES.

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