

United States Patent

Robertson

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[45] Oct. 10, 1972

[54] **PORTABLE SHAMPOO CHAIR**

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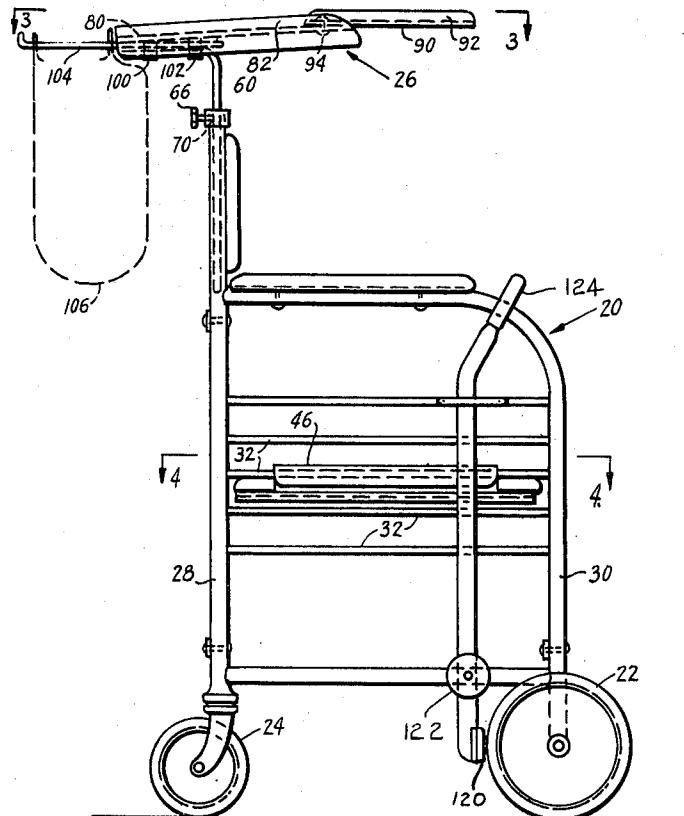
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[57]

ABSTRACT

Tray and reservoir removably attached to the headrest of a chair for adjustment relative thereto.

3 Claims, 6 Drawing Figures



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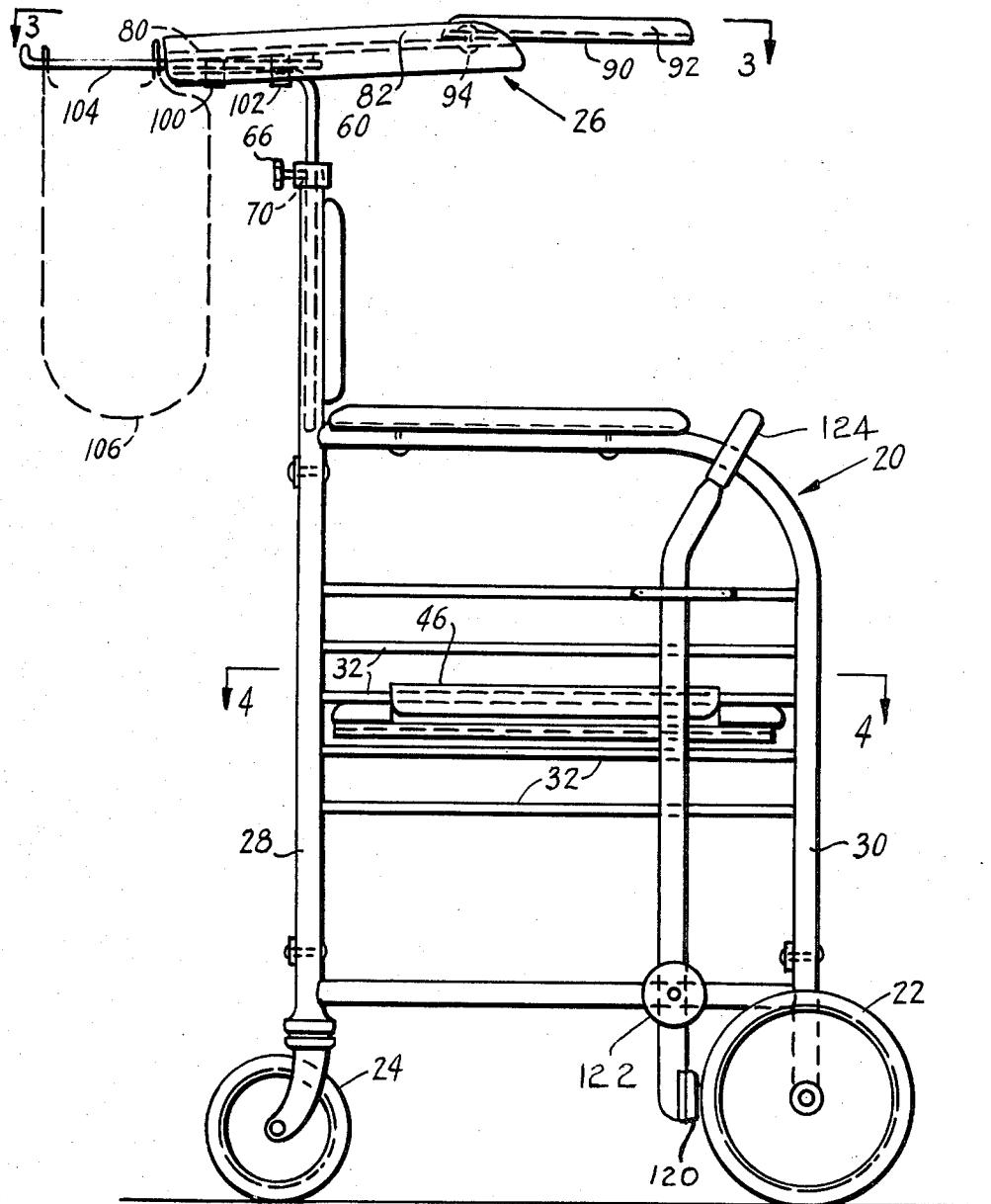


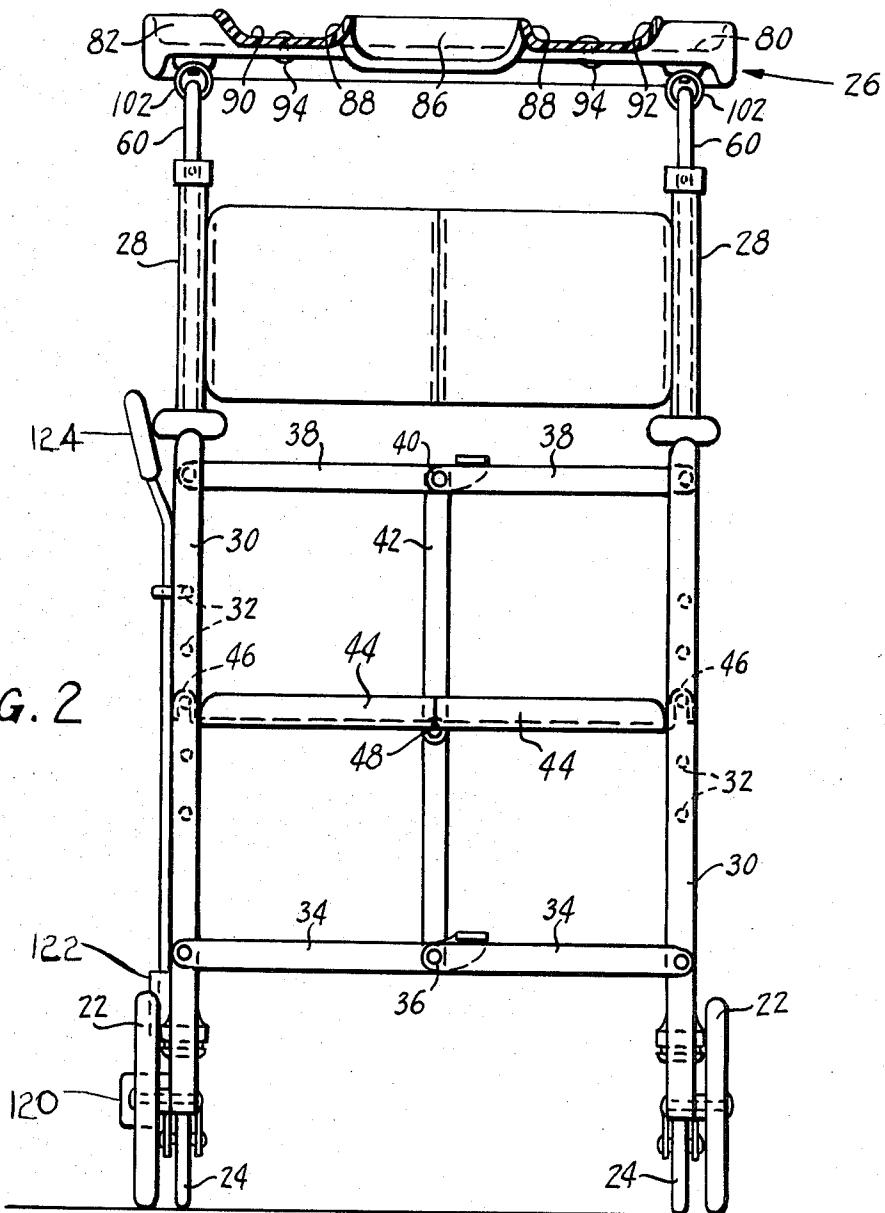
FIG. 1

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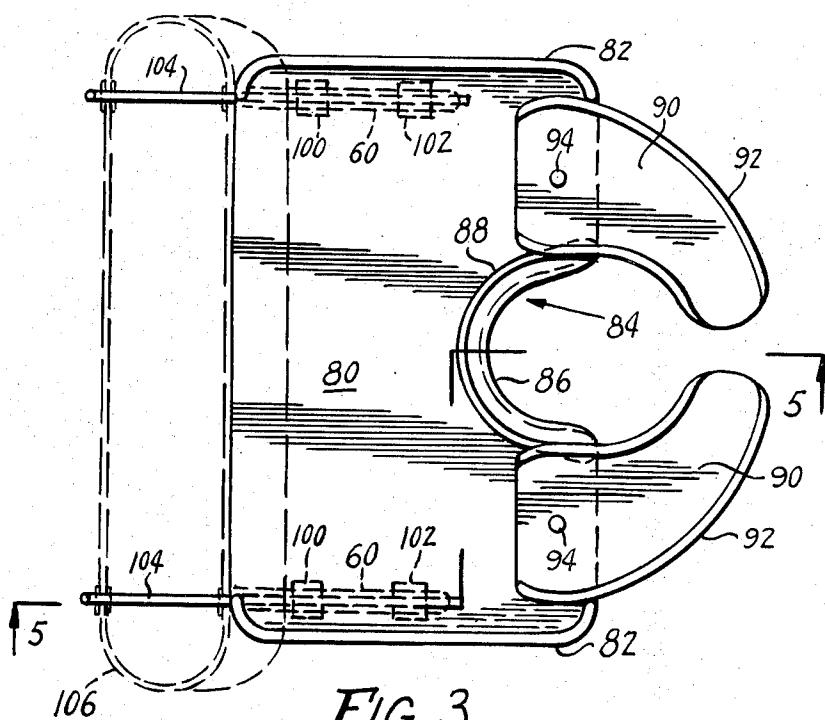


FIG. 3

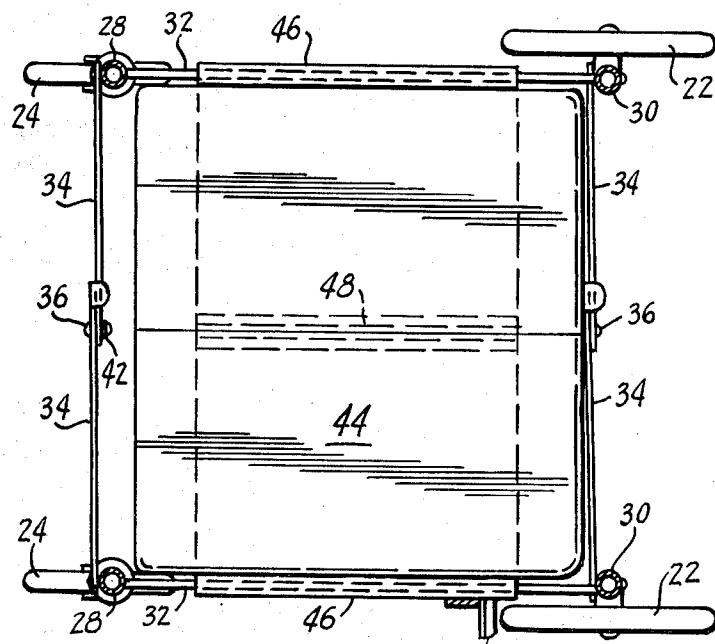


FIG. 4

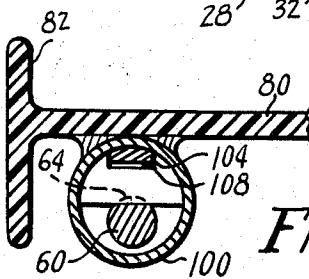


FIG. 6

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PORTABLE SHAMPOO CHAIR

This invention relates to a portable shampoo chair which is primarily used for calling on elderly people in their homes, persons in hospitals, and other people who prefer to have their hair washed and set without having to bother going to beauty parlors.

A primary object of this invention is the adjustability for persons of different size and shape.

Another object of this invention is the provision of means for catching hair and the water used to wash and rinse the hair.

The above and other objects of this invention will become apparent to those skilled in the art after a detailed description of a preferred embodiment of this invention taken together with the accompanying drawing wherein:

FIG. 1 is a side elevational view of the apparatus;

FIG. 2 is a front elevational view thereof;

FIG. 3 is a sectional view taken on the line 3—3 of FIG. 1;

FIG. 4 is a sectional view taken on the line 4—4 of FIG. 1;

FIG. 5 is a blown up cut-away cross sectional view of the tray adjustment; and

FIG. 6 is a sectional view taken on the line 6—6 of FIG. 5.

Referring in detail to the drawing, there is shown in FIGS. 1 and 2 a chair 20 having front wheels 22 and rear caster wheels 24 and a washing tray 26 adjustably secured above chair 20. Each side frame of chair 20 comprises an upright rear bar 28, a curved front bar 30 which is partially spaced from and parallel with bar 28, and a plurality of bars 32 spaced from each other and connected between bars 28 and 30 transverse therewith. The rear frame of chair 20 is comprised of levers 34 pivotally connected to each other at one end thereof at a pivot point 36 and pivotally connected at the other end thereof to the side frames of chair 20, upper levers 38 pivotally connected at one end thereof at a pivot point 40 and pivotally connected at the other end thereof to the side frames of chair 20, and a connecting link 42 pivotally connected with pivot points 36 and 40 allowing chair 20 to be folded when tray 26 is not attached thereto and when the chair seat is removed except in a situation when it is also foldable as shown in FIGS. 2 and 4. Seat 44 has a longitudinal U-shaped flange 46 extending from each side thereof in a manner so that seat 44 can be placed in a desired height above floor level by inserting flanges 46 over a pair of bars 32. As has already been mentioned, seat 44 may have a pivot point 48 so that it does not have to be removed when chair 20 is folded.

An L-shaped rod 60, as clearly shown in FIGS. 1 and 5 has a plurality of holes 62 through the long end thereof and a plurality of teeth 64 extending upward from the short end thereof. Each bar 28 is either a hollow tube or has a bore along the upper end thereof for the slidible insertion of the long end of L-shaped rod 60. A pin 66 is biased by a spring 68 for insertion into the bore at the upper end of bar 28 by means of a hole 70 so that pin 66 can be inserted through one of the holes 62 to adjust the height of tray 26.

As best seen in FIGS. 3 and 5, tray 26 is comprised of a rectangular shaped dish 80 with side walls 82, a curved cut-out portion 84 with a soft resilient material

86 secured thereto at one end thereof and a wall 88 extending upward from dish 80 adjacent material 86, and a pair of curved dish members 90 with walls 92 pivotally mounted at pivot point 94 in a manner so that walls 92 are adjacent each side of curved cut-out 84 and make contact with walls 88 and 82. Dish members 90 together with cut-out 84 fit closely around the person's neck or face to prevent water from running down onto the person and floor and to catch all hair clipped from the person's head. Secured to the bottom of dish 80 is rear ring 100 and a front ring 102 which is spaced from the bottom of dish 80 parallel with ring 100, rings 100 and 102 having their central axes intersecting the plane of dish 80 at an acute angle. A supporting rod 104 is secured to the inside surface of rings 100 and 102 on each side of dish 80 and extends outward from the rear of dish 80 in order to hold a receptacle 106 beneath the rear of dish 80 where water will be flowing due to the incline caused by rings 102 being spaced from the bottom of dish 80. Extending downward from rod 104 are projections 108 which mate with the grooves between consecutive teeth 64 of rod 60 so that tray 26 may be positioned horizontally relative to the person sitting in chair 20 by merely lifting tray 26 slightly upward thereby lifting projections 108 out of grooves formed by consecutive teeth 64.

While the preferred embodiments have been illustrated and described, it should be understood by those skilled in the art that many modifications may be resorted to without departing from the spirit and scope of the invention. For instance, a brake 120 pivotally mounted in conjunction with a friction disk 122 and having a handle 124 extending just above bar 30 may be utilized to assure steadiness during the shampooing operation.

I claim:

1. A portable shampoo chair, comprising first means detachably connected solely to the side frames of the chair for adjusting the height of the person sitting in the chair relative to the floor on which the chair is resting, second means slidably connected to the side frames of the chair and lying in a plane perpendicular to the plane of said first means, said second means movable relative to the floor on which the chair rests and relative to the plane in which said first means lies, a shampoo dish connected to said second means, and third means connected to said shampoo dish and encircling a portion of said second means allowing adjustment of said shampoo dish in a direction transverse with the direction of adjustment of said first means and said second means, said second means including an L-shaped rod having teeth extending upward along a horizontal portion thereof and said third means including at least one ring and a projection extending downward from the inside diameter thereof for mating with a groove formed by consecutive teeth of said L-shaped rod.

2. A portable shampoo chair as set forth in claim 1, wherein said first means includes a seat and U-shaped flanges extending from opposite sides thereof, the side frames of the chair having a plurality of bars insertable in said flanges.

3. The portable shampoo chair of claim 1, wherein said first means includes a pair of pivotally connected seat portions, the rear frame of the chair including

pivotaly connected levers, said levers and said seat portions folding at pivot points lying in the same plane for folding up the chair when said shampoo dish is detached therefrom.

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