

H. B. HITESHEW.
BATH TUB EXTENSION.
APPLICATION FILED JUNE 24, 1910.

Patented Jan. 2, 1912.

2 SHEETS-SHEET 1.

1,013,162.

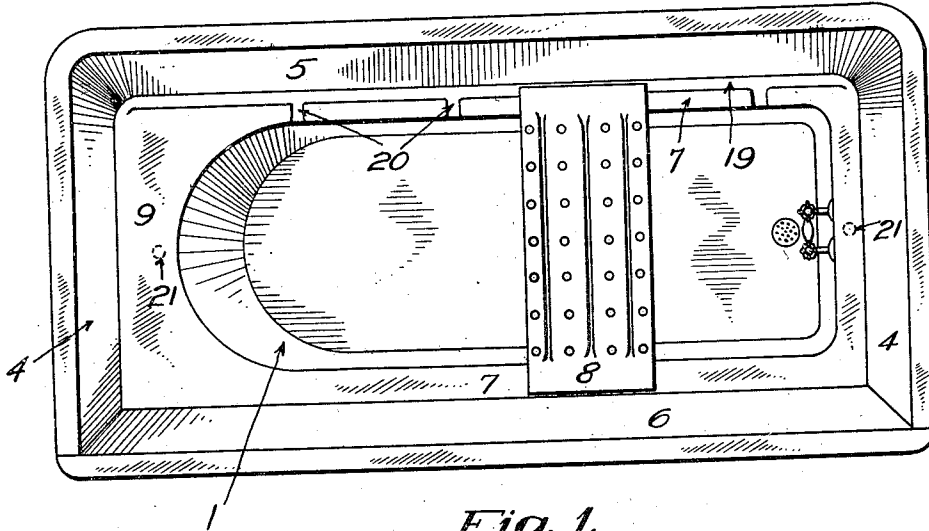


Fig. 1.

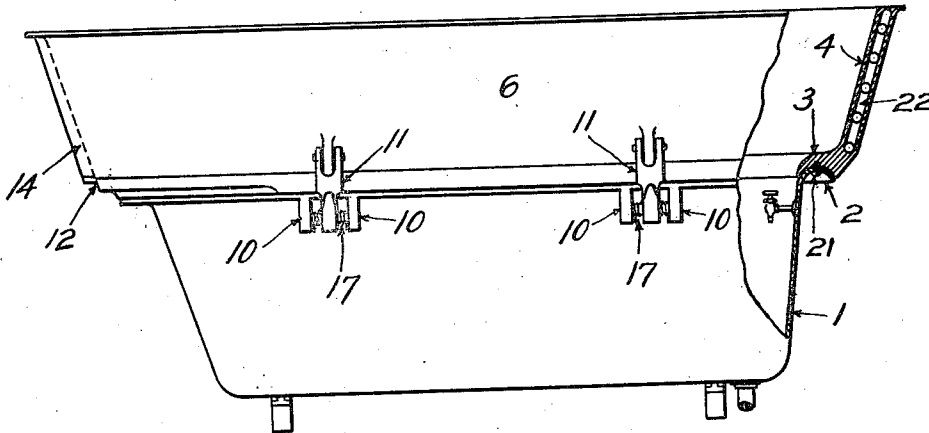


Fig 2

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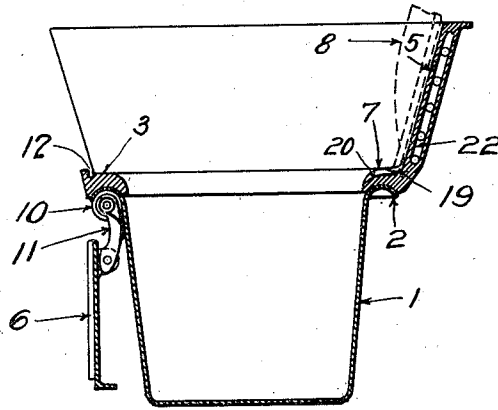


Fig. 3.

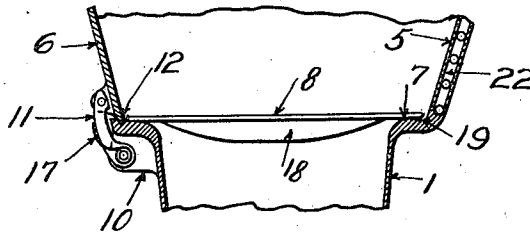


Fig. 4.

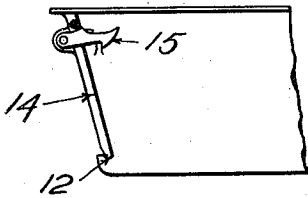


Fig. 5.

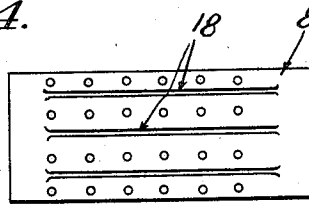


Fig. 6.

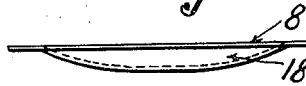


Fig. 7.

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UNITED STATES PATENT OFFICE.

HARVEY B. HITESHEW, OF PITTSBURGH, PENNSYLVANIA.

BATH-TUB EXTENSION.

1,013,162.

Specification of Letters Patent.

Patented Jan. 2, 1912.

Application filed June 24, 1910. Serial No. 568,726.

To all whom it may concern:

Be it known that I, HARVEY B. HITESHEW, a resident of Pittsburgh, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Bath-Tub Extensions, of which the following is a specification.

This invention relates to an extension or attachment for bath tubs and the like.

The object of the invention is to provide for increasing the height of a bath tub so as to prevent splashing, permit the use of the tub with shower baths, and also provide for various other uses, such as in hospitals or in connection with an invalid where the person must receive special attention requiring the use of water or liquids.

The arrangement comprises the construction and arrangement of parts hereinafter described and claimed.

In the accompanying drawing Figure 1 is a plan view of a bath tub showing my attachment applied thereto, the door of said attachment being shown closed; Fig. 2 is a side elevation of the same partly broken away; Fig. 3 is a vertical cross section through the same, showing the door open; Fig. 4 is a similar view showing a modification and the door closed; Fig. 5 is a partial end view showing the fastening means for the door; Fig. 6 is a plan view and Fig. 7 an end view of one of the perforated seats or racks.

In the drawing 1 represents an ordinary bath tub of standard form, having on its upper edge the usual roll or rim 2.

The extension attachment comprises a suitable base frame 3 which on its lower face is shaped to fit accurately on the rim 2 of the tub, said base frame having rising therefrom the upwardly and slightly outwardly sloping end walls 4 and one side wall 5. The opposite side wall 6 is movable to form a door to permit easy entrance into the tub. The walls rise from the base frame 3 near the outer edge of the latter so as to leave at each side ledges 7 upon which may be supported suitable seats or racks 8, as hereinafter more fully described. At the ends and particularly at the head end of the tub there may also be a horizontal ledge or floor 9, depending on the length of the tub, it being preferred to make the extension of a length to accommodate a tall person, but said extension may be fitted to a

tub of any length so that on short tubs a considerable ledge must be provided at the head end.

The door 6 is suitably hinged either to the tub or to the base frame, being shown as hinged to lugs 10 on the tub by means of links 11 so as to permit this side to swing entirely clear of the tub and drop to substantially vertical position. The lower edge of said side is adapted to enter a groove 12 in the side member of the base frame and form a substantially water tight joint. Said door at its ends is preferably provided with flanges 14 which lap on to the end walls 4. A latch 15 of any suitable form is provided for holding said door in upright position. Preferably a spring or springs 17 are employed for cushioning the downward swinging movement of said door to prevent the same from hitting the sides of the tub.

The seats 8 are perforated as shown to permit water to drain through the same, and may be formed of any suitable material. Preferably they will be formed of thin, non-corrosive metal, such as aluminum, and in this case will be provided with ribs 18 to stiffen and strengthen the same. When not in use these racks may be thrown into upright position against the side wall 5 or end wall 4, as shown in dotted lines, Fig. 3. To prevent them from slipping down into the tub the ledges 7 are provided on their upper faces with grooves 19 to receive the edge of the rack or seat. Small cross grooves 20 connect with the groove 19 at intervals to drain the water out of said groove.

The extension described may be attached to the bath tub in any suitable way, such, for instance, as by means of small bolts or screws 21 passing through alining openings in the base frame 3 and the rim 2 of the tub. It may if desired be integral with the tub and is so shown in Fig. 4. The fixed walls 4 and 5 of said extension may, if desired, be cored out as shown at 22, to provide for circulating therethrough either steam or hot water to heat the same, or cold water or other medium to cool the same.

The door 6 need not form an entire side wall of the tub, and can be made movable in any direction or any way. Its purpose is to facilitate the entrance of the user to the tub. It is preferred to have the same extend the entire length of the extension in order

to make it easier to place an invalid, who must be carried, in the tub or upon the racks 8.

The extension described has many uses 5 which will be readily apparent, particularly to those familiar with hospital work.

What I claim is:

1. An extension attachment for bath tubs and the like, comprising a horizontal open 10 rectangular frame adapted to be secured to the top of the tub and having upwardly extending water-tight metal walls, and a door in one of said walls.

2. A bath tube comprising a tub provided 15 with an unobstructed interior, with an outlet in its bottom and with faucets through its walls near the upper edge, and rigid water-tight walls extending upwardly therefrom, one of said extension walls being 20 movable to form a door.

3. A bath tub comprising a tub provided with an unobstructed interior, with an outlet in its bottom and with faucets through 25 its walls near the upper edge, rigid water-tight metal walls extending upwardly therefrom, a downwardly swinging door in one of said extension walls, and means for locking said door in raised position.

4. An extension attachment for bath tubs 30 and the like, comprising a horizontal open rectangular frame adapted to be secured to the top of the tub and having upwardly extending water-tight metal walls, a downwardly swinging door in one of said walls, 35 and means for locking said door in raised position.

5. An extension attachment for bath tubs and the like, comprising a horizontal open 40 rectangular frame adapted to be secured to the top of the tub and having upwardly extending walls, one of said walls being movable to form a door, the base or frame being provided with a groove to receive the lower 45 edge of said door.

6. A bath tub comprising a tub provided with an unobstructed interior, with an outlet in its bottom and with faucets through 50 its walls near the upper edge, rigid water-tight walls extending upwardly therefrom, one of said extension walls being pivotally connected by links to the tub and adapted to swing downwardly, and means for locking said movable wall in raised position.

7. An extension attachment for bath tubs

and the like, comprising a horizontal open 55 rectangular frame adapted to be secured to the top of the tub and having upwardly extending water-tight metal walls, one of said walls being pivotally connected by means of 60 links to the tub or frame and adapted to swing downwardly, and means for locking said movable wall in raised position.

8. A bath tub comprising a tub proper, and rigid water-tight walls extending upwardly therefrom and provided at their 65 bases with ledges, said ledges being provided at the bases of said extension walls with grooves adapted to support a seat or rack in upright position, and a door in one of said extension walls 70

9. A bath tub comprising a tube proper, and rigid water-tight walls extending upwardly therefrom and provided with ledges at their bases at the sides of the tub, said 75 ledges being provided with longitudinal grooves and with transverse grooves connecting with the longitudinal grooves, and a door in one of said extension walls.

10. An extension attachment for bath tubs and the like, comprising a base frame 80 adapted to fit over the rim of the tub and provide ledges at the sides thereof, upwardly extending walls rising from said base frame, said ledges being provided with longitudinal grooves at the base of said 85 walls and with transverse grooves communicating with said longitudinal grooves to drain the same.

11. An extension for bath tubs and the like comprising rigid water-tight walls extending and flaring upwardly and provided 90 with ledges at their bases at the sides of the tub to support a rack or seat, and a door in one of said extension walls.

12. An extension attachment for bath 95 tubs and the like comprising a frame adapted to be secured to the top of the tub and having rigid water-tight walls extending and flaring upwardly therefrom with ledges at the sides of the tub to support a rack or seat, and a door in one of said extension 100 walls.

In testimony whereof, I have hereunto set my hand.

HARVEY B. HITESHEW.

Witnesses:

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F. W. WINTER.