No. 735,514.

PATENTED AUG. 4, 1903.

G. P. HOMEIER.

SHOWER BATH TUB.

APPLICATION FILED MAR. 6, 1903.

NO MODEL.

FIG. 1.

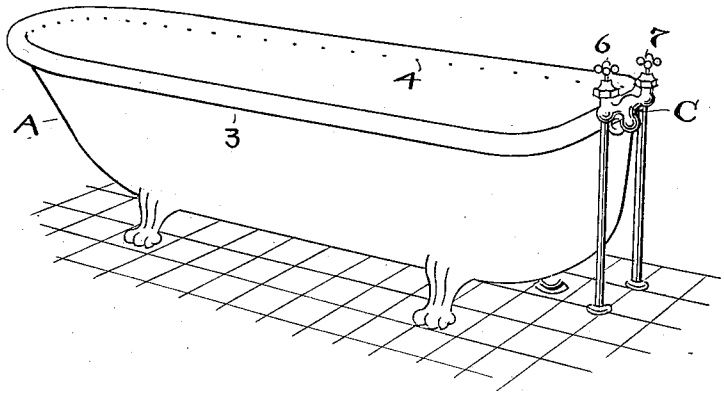


FIG. 2.

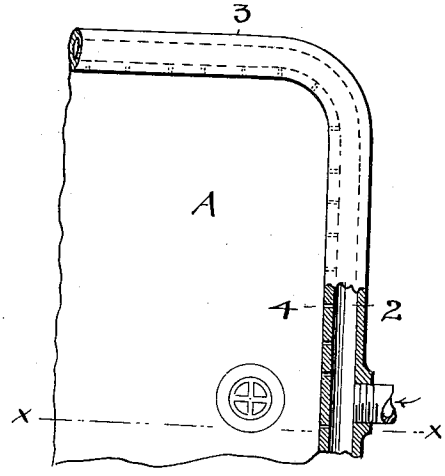


FIG. 5.

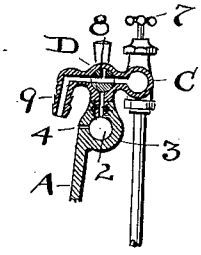


FIG. 3.

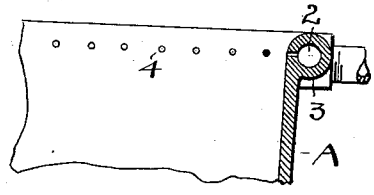
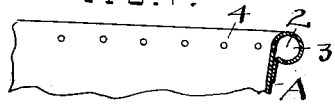


FIG. 4.



ATTEST.

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No. 735,514. Patented August 4, 1903.

UNITED STATES PATENT OFFICE.

GEORGE P. HOMEIER, OF AKRON, OHIO.

SHOWER-BATH TUB.

SPECIFICATION forming part of Letters Patent No. 735,514, dated August 4, 1903.

Application filed March 6, 1903. Serial No. 146,567. (No model.)

To all whom it may concern:

Be it known that I, GEORGE P. HOMEIER, a citizen of the United States, residing at Akron, in the county of Summit and State of Ohio, have invented certain new and useful Improvements in Shower-Bath Tubs; and I do declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to a shower-bath tub of new and original construction, substantially as shown and described, and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view of a bath-tub embodying my invention. Fig. 2 is a plan view, enlarged, of a portion of one end thereof and which is sectioned horizontally at its water-inlet, as hereinafter fully described. Fig. 3 is a sectional elevation of a portion of the tub as it appears when cast, and Fig. 4 shows a similar cross-section as made of sheet-steel. Fig. 5 is a sectional view of a valve connection for the tub.

I am aware that in the broad sense it is not new to provide means about the top of a bath-tub to spray water therefrom into the tub with a view to affording something of a shower-bath to the bather when desired; but all arrangements for this purpose of which I have knowledge employ some sort of attachment for conveying the water, such as perforated pipes arranged about the top of the tub or water-conductors more or less angular in cross-section and mechanically attached to the tub.

My invention is wholly different from all such constructions and arrangements in this, and I employ a bath-tub A, which may be cast, as here shown, or fashioned in dies from suitable sheet-steel and is provided with a water-passage 2 all around in its rim or roll 3.

All well-made bath-tubs have their top edges formed with a more or less considerable roll, which curves outward and downward, if not also inward, at its extreme edge, thereby relieving the edge of all harshness and avoiding possible injury to a person while bathing or in entering or leaving the tub.

My invention consists, first, in the construction of the edge roll of a tub in such manner as to make a water-conduit thereof, thus preserving to the tub the round protecting edge it has ordinarily when rightly made, while I also utilize said roll for the additional purpose of a spray or shower bath when it is wanted. This is done by continuing the roll around to the wall of the tub beneath the same, as shown in Fig. 3, when it is made by casting and as it appears in Fig 4 when bent to shape from suitable sheet metal. In this latter case the edge of the roll is brazed or soldered to make a close water-tight connection with the tub. Perforations 4 are shown at frequent intervals about the top of the tub, which are tapped or drilled into the water-passage 2 and may be horizontal, as shown, or at upward or downward inclination, much depending on the water-pressure available where the tub is located. For normal city pressures horizontal holes are best; but if the pressure be below normal an upward inclination may be given without danger of driving the sprays over the opposite edge of the tub. This not only leaves the tub smooth and clear from all objectionable mechanisms about its edge and as desirable as a tub can be in this particular, but it goes further, and the regular connections are placed wholly outside the end of the tub instead of inside, as heretofore. By thus disposing said connections the entire upper inside portion of the tub is kept entirely free from obstructions of all kinds whatsoever, and the spray or shower bath is equal from all portions of the tub. To this end also I place my connections C wholly on the outside of the tub and have separate valves or cocks 6 and 7, much as usual, for controlling the cold and hot water flow separately. In this construction I make no provision for supplying the tub with water except through perforations 4, and none is really needed, and yet if such provision be desired it can be provided by or through the construction shown in Fig. 5, where water connection is effected through an extra valved coupling D, tapped into water-channel 2 directly from the top and having a three-way valve 8 and a direct-delivery nipple or spout 9 into the tub. When this way is opened the passage 2 about the top of the tub is closed. To some this way of filling the tub

with water for bathing is preferable. Then the spray can be turned on by a simple quarter-revolution of valve 8.

This is essentially a sanitary tub, for it has no places at all for the collection of dirt of any kind, and by means of the spray I can cleanse the sides of the tub after a bath, and thus use the flowing water to also keep the tub clean, or by turning on a little water through the perforations and the use of a brush or cloth the sides of the tub can be thoroughly cleansed.

What I claim is—

1. A bath-tub having a roll formed integral therewith about its top and a water-passage in said roll and holes through the top and side of the tub into said passage, in combination with water connections open to said passage provided with an outlet into the tub, a valve controlling the flow of water through said connections, and a switch-valve to throw water into said outlet or into said passage, substantially as described.

2. A shower-bath tub having an integral outwardly and downwardly turned roll on the outside of the tub about its top provided with a continuous water-passage internally and a series of substantially horizontal outlets on its inside, in combination with a water-controlling connection having a direct outlet into the tub and a valve to switch the water to said direct outlet or to said roll, substantially as described.

Witness my hand to the foregoing specification this 25th day of February, 1903.

GEORGE P. HOMEIER.

Witnesses:
WM. E. YOUNG,
R. M. WANAMAKER.