Dec. 16, 1947. F. TAMBORELLO 2,432,832

BATHTUB

Filed July 11, 1946

Fig. 1.

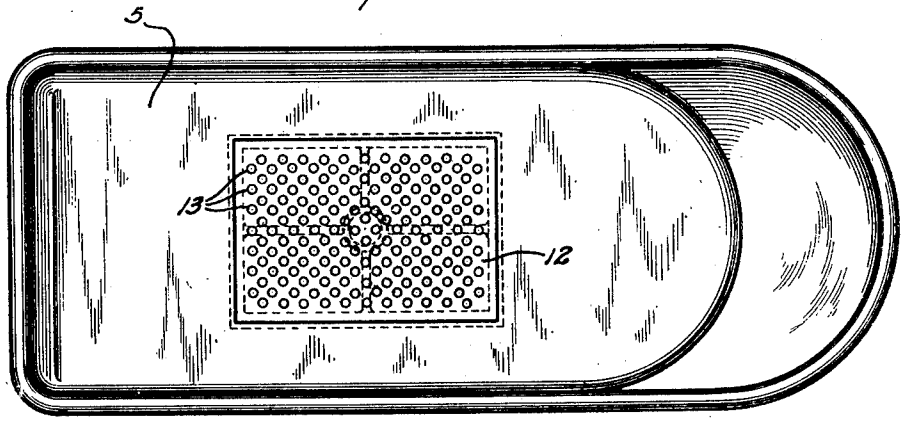
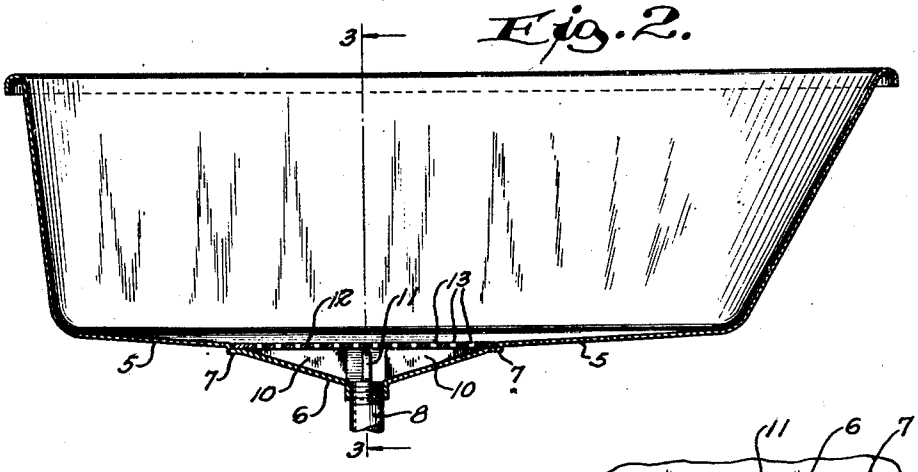


Fig. 2.



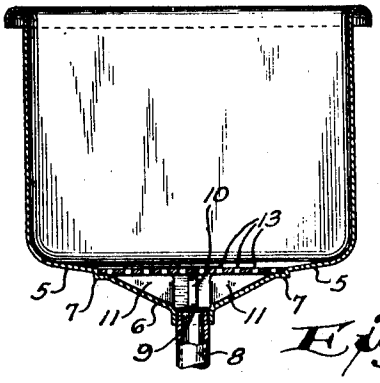


Fig. 3.

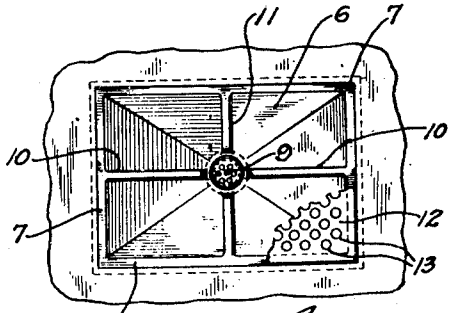


Fig. 4.

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BATHTUB

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4 Claims. (Cl. 4—173)

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This invention relates to new and useful improvements in bathtubs, the primary object of which is to provide a non-slip surface on which to step or stand while entering, leaving, or standing in a bathtub.

Heretofore, reduction of the danger of slipping in bathtubs has been attempted by means of pads placed in the ordinary tubs. Also, there have been bathtubs designed having ridges and/or recesses in the bottom. None of the above-mentioned attempts is entirely satisfactory for the reason that it is either unsanitary, fails to prevent slipping in all directions, is uncomfortable to stand on, or is too complicated or expensive to manufacture.

It is an object of this invention to provide a simple and easily made bathtub having a sanitary and easily cleaned non-slip area on the bottom thereof.

A further object of the present invention is to provide an area in the bottom of the tub which effectively prevents slipping in any direction thereon.

A further object of this invention is to provide a bathtub having a non-slip surface centrally disposed in the bottom thereof, insuring thereby the safety of the user of a shower such as is often used in connection with a bathtub.

A further object of the present invention is to provide a bathtub having a non-slip area in the bottom thereof of such size and so positioned as to allow for a smooth area at either end of said bottom on which to sit comfortably.

A further object of this invention is to provide a bathtub having in the bottom thereof a non-slip surface which is not uncomfortable to stand on.

A further object of the present invention is to provide a bathtub having in the bottom thereof a non-slip surface in the form of a perforated plate positioned in a recess which leads to the bathtub drain, said plate thereby serving a dual function.

With the above and other objects in view, the invention consists of the improved bathtub, and all its parts and combinations, as set forth in the claims, and all equivalents thereof.

In the accompanying drawing, illustrating one complete embodiment of the preferred form of the invention, in which the same reference numerals designate the same parts in all views:

Fig. 1 is a plan view of the bathtub;

Fig. 2 is a longitudinal sectional view;

Fig. 3 is a transverse cross sectional view taken approximately along line 3—3 of Fig. 2; and

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Fig. 4 is a plan view of the sub-structure of the non-slip area, most of the perforated plate being broken away.

Referring more particularly to the drawing, it will be noted that the bathtub illustrated is generally similar to the conventional bathtub in shape. The bottom 5 slopes slightly downwardly and inwardly from both ends and from the sides to a centrally disposed rectangular recessed portion 6. The recess 6 is bordered by an offset shoulder 7 from which the bottom of the recessed portion 6 slopes downwardly and inwardly to the drain 8. The opening of the drain 8 contains a screen 9 which is readily removable.

Fitting onto the recess 6 and supported by the offset 7 and by the cross members 10 and 11, in a position flush with the bottom 5 of the tub, is a readily removable, perforated plate 12. The perforations 13 are of a size small enough so as not to be uncomfortable to stand on, and yet large enough to effectively prevent slipping. The perforations are sufficiently close together so that a plurality of them will contact the bottom of the foot of the user at one time.

Normally the user of a bathtub, upon entering therein, steps somewhere near the center thereof. In the present invention the non-slip area is so positioned that the user will step directly thereon when entering the tub, thereby being protected from slipping while so doing. While standing on the non-slip plate, the user is safely supported on the plate, and the latter because of its extra size is supported by the webbing thereunder. When the user desires to sit in the tub, he may do so comfortably on the smooth areas at either end. The non-slip area continues to protect the user from slipping while he is rising and leaving the tub.

Various changes and modifications may be made without departing from the spirit of the invention, and all of such changes are contemplated as may come within the scope of the claims.

What I claim is:

1. In a bathtub the combination of a bottom having a recess therein disposed intermediate the length and width of said bottom, a removable rigid plate occupying a substantial portion of the area of said bottom and fitting into said recess, said plate having its surface formed to prevent slipping, and a drain leading from said recess.

2. In a bathtub the combination of a bottom having a recess therein disposed intermediate

the length and width of said bottom, a removable rigid plate fitting into said recess, said plate having drain holes extending therethrough, at least some of which also serve to prevent slipping, and a drain leading from said recess, said plate occupying a substantial portion of the area of said bottom.

3. In a bathtub the combination of a bottom having a recess therein intermediate the length and width of said bottom, elongated longitudinal and transverse webbing in said recess, and a removable rigid plate fitting into said recess and supported therein on said webbing, said plate having drain holes extending therethrough at least some of which also serve to prevent slipping, said plate occupying a substantial portion of the area of said bottom, and a drain conduit leading from said recess.

4. In a bathtub the combination of a bottom having a recess therein intermediate the length and width of said bottom, there being a drain opening in the bottom of said recess, elongated webbing extending longitudinally and transversely from the edge of said recess and terminating

at the edge of said drain opening, said recess having a bottom sloping downwardly and inwardly to said drain opening, and a removable rigid plate fitting into said recess and supported therein on said webbing, said plate having drain holes extending therethrough, at least some of which also serve to prevent slipping, and said plate occupying a substantial portion of the area of said bottom.

FRANK TAMBORELLO.

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The following references are of record in the file of this patent:

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