

J. C. REED.

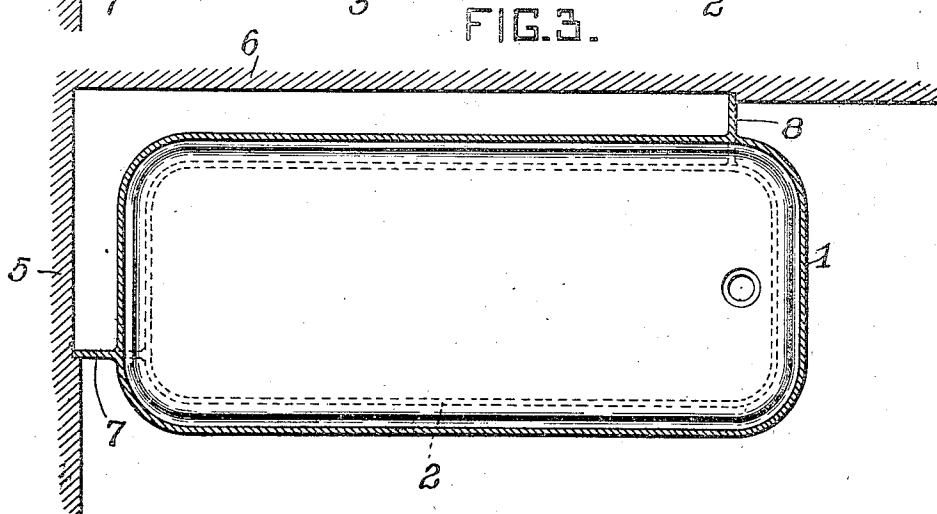
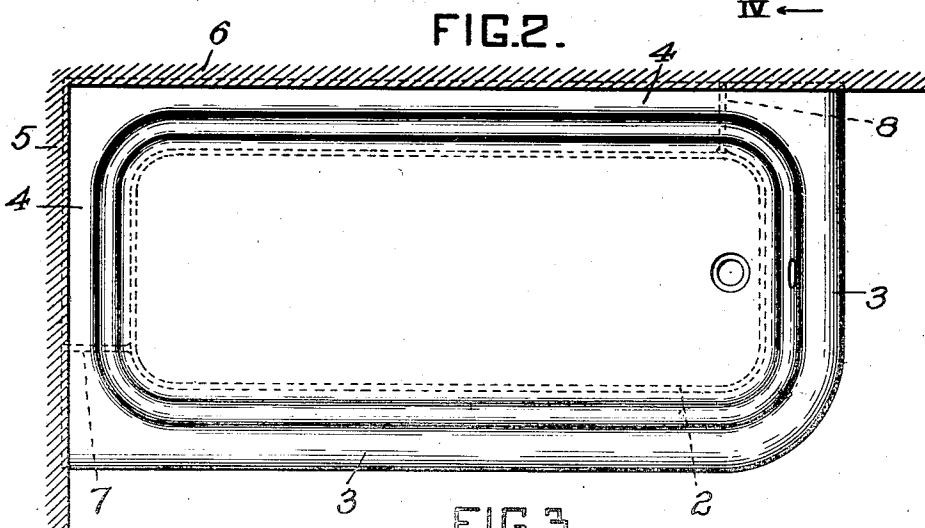
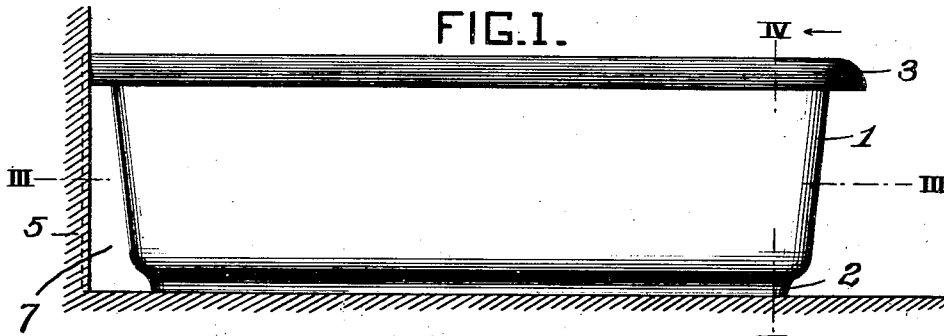
BATH TUB.

APPLICATION FILED AUG. 29, 1912.

Patented Jan. 7, 1913.

1,050,071.

2 SHEETS—SHEET 1.



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2 SHEETS—SHEET 2.

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FIG. 4.

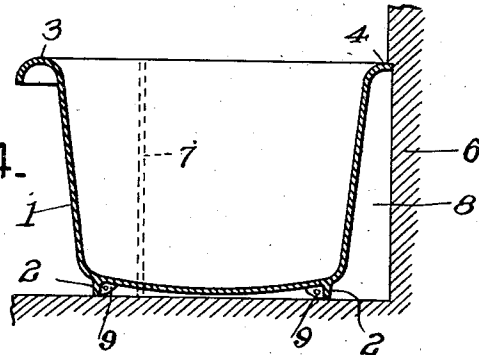


FIG. 5.

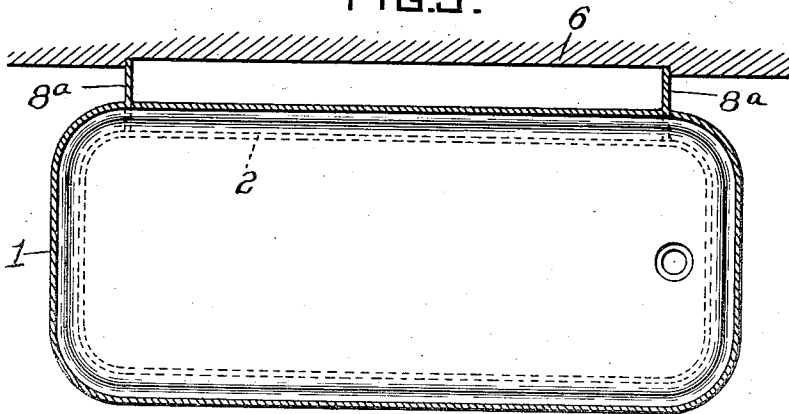
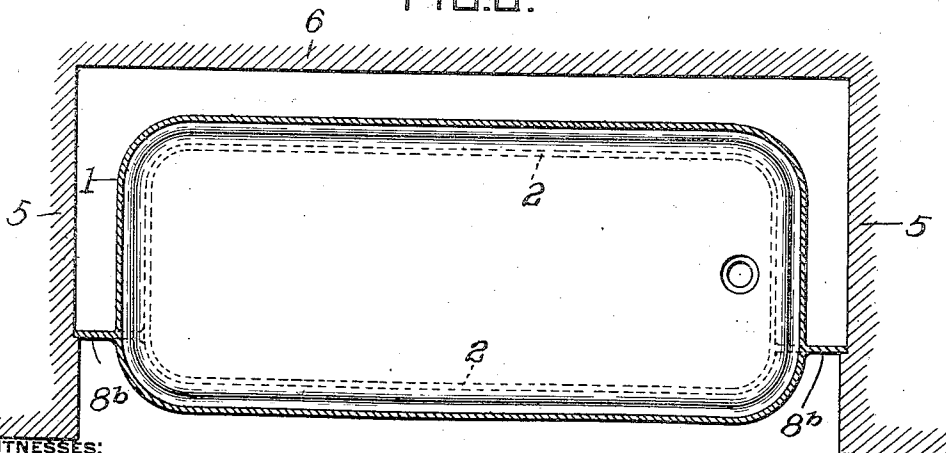


FIG. 6.



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UNITED STATES PATENT OFFICE.

JOHN C. REED, OF PITTSBURGH, PENNSYLVANIA, ASSIGNOR TO STANDARD SANITARY MANUFACTURING COMPANY, OF PITTSBURGH, PENNSYLVANIA, A CORPORATION OF NEW JERSEY.

BATH-TUB.

1,050,071.

Specification of Letters Patent.

Patented Jan. 7, 1913.

Application filed August 29, 1912. Serial No. 717,745.

To all whom it may concern:

Be it known that I, JOHN C. REED, residing at Pittsburgh, in the county of Allegheny and State of Pennsylvania, a citizen of the United States, have invented or discovered certain new and useful Improvements in Bath-Tubs, of which improvement the following is a specification.

My improvement relates to bath tubs made of cast metal covered with a vitreous enamel or other high polish, and has to do particularly with tubs of this character that are adapted to be placed adjacent to a wall or partition, and are provided with wings which, together with the top rim and a continuous supporting rib of the tub, inclose the space between such wall and the side or sides of the tub adjacent thereto, and which are ordinarily known as "tiled-in tubs". Such tubs have been found desirable in modern sanitary installations for the reason that in the ordinary open form of tubs the space between the tub and the wall is, on account of its inaccessibility, difficult to clean. Also it is generally conceded that the closed form of tub presents a better appearance than the open tub. As usually constructed, the wings of such cast metal tubs have been formed of separate pieces of metal and have been secured to the tub body by means of bolts or screws. Such a construction is expensive, because it involves the manufacturing and handling of the wings separately from the tub. Furthermore, it has been found to be impossible to connect such wings to the tub body rigidly enough to prevent the enamel or finish from cracking or crazing along the line of joinder between the tub body and wing.

The object of my present invention is to provide, as an article of manufacture, a tiled-in bath tub having the wings formed integrally with the tub body, whereby such tubs may be enameled on their outer surface without the liability of cracks forming in the enamel or other finish at the point of joinder between the wings and tub body, and whereby such tubs may be manufactured more cheaply than heretofore.

In the accompanying drawings which form part of my specification, I have illustrated my invention in three different forms.

Figure 1 is an elevation of a tiled-in corner tub; Fig. 2 is a plan view of the tub

shown in Fig. 1; Fig. 3 is a sectional view taken on the line III—III, Fig. 1; Fig. 4 is a sectional view taken on the line IV—IV, Fig. 1; and Figs. 5 and 6 sectional views, similar to Fig. 3, showing, respectively, a tiled-in wall tub or pier-set tub and a recess tub.

In the several figures like numerals are used to designate like parts.

In the embodiment of my invention illustrated in Figs. 1-4, a bath tub is shown installed in the corner of a bath room. The tub body 1 is provided with a depending supporting rib 2, formed integrally therewith, such rib being substantially the same as that shown and described in my application, Serial No. 642,291. The front or exposed rims 3 curve downwardly, as shown particularly in Fig. 4, and the rear rims 4 have a horizontal ledge adapted to extend for a suitable distance into the walls 5 and 6. Two vertically disposed wings 7 and 8 extend from the sides of the tub body and, together with the rims 4 and supporting ribs 2, completely inclose the space between the tub body and the walls 5 and 6. The preferred form of the wing is best illustrated in Fig. 4, and as shown therein extends from the plane of the supporting rib 2 to the under side of the rim 4, and has a straight vertically disposed outer edge flush with the outer edge of the said rim. Each wing is preferably placed on the flat walls of the tub body adjacent to the rounded corners.

In Fig. 5 a tiled-in pier-set bath tub is shown, wherein the integrally formed wings 8^a extend from one side of the tub, and close off the space back of such side when placed against a wall rather than in a corner. In this form it will be understood without illustration that the front rim and both end rims are curved downwardly while the rear rim has a horizontal ledge extending into the wall 5.

In Fig. 6 a recess bath tub is shown, the wings 8^b in this form being cast integrally with the ends of the tub body near the outer side. The front rim in this modification is curved and the rear rim together with the end rims have horizontal ledges adapted to extend into the walls 5 and 6.

All the forms of tubs illustrated herein may be conveniently manufactured according to the teachings of my application Serial No. 717,716.

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Bath tubs of the character shown herein may be engaged for manipulation in enameling by suitable lugs 9 (see Fig. 4), as described in my first mentioned application.

5 When engaged such tubs may be enameled on the outside as perfectly and as satisfactorily as the inside. And I have found that, when thus enameled on the outside, the enamel does not crack or craze along the
10 lines of intersection between the wings and the body portion of the tub, such cracking and crazing being prevented by reason of the fact that the wings are formed integrally with the tub body.

15 I claim herein as my invention:

1. As an article of manufacture, an enameled cast-metal bath tub consisting of a body portion and laterally-extending wings integrally-formed therewith and adapted
20 when the tub is installed adjacent to a wall to form a connecting partition between such wall and the said tub.

2. As an article of manufacture, an enameled cast-metal bath tub consisting of a body portion having integrally-formed
25 therewith a depending supporting rib and laterally-extending wings adapted when the tub is installed to form a closure between the tub and an adjacent wall.

3. As an article of manufacture, an enameled cast-metal bath tub of an integral
30 structure throughout and consisting of a body portion, a depending supporting rib, a top rim, and a pair of vertically disposed wings extending from the under side of the
35 said rim to the plane of the supporting rib, the said rim between the two said wings having a horizontally disposed ledge.

In testimony whereof I have hereunto set my hand.

JOHN C. REED.

Witnesses:

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FRANCIS J. TOMASSON.