March 4, 1930. J. C. CROMWELL 1,749,275

BUILT-UP SHOWER BATH

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Fig. 1.

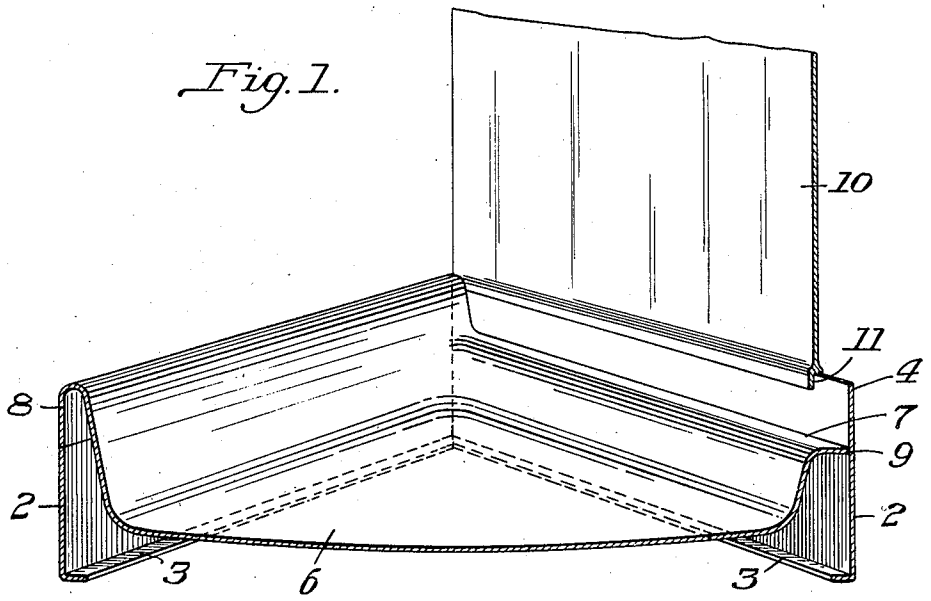
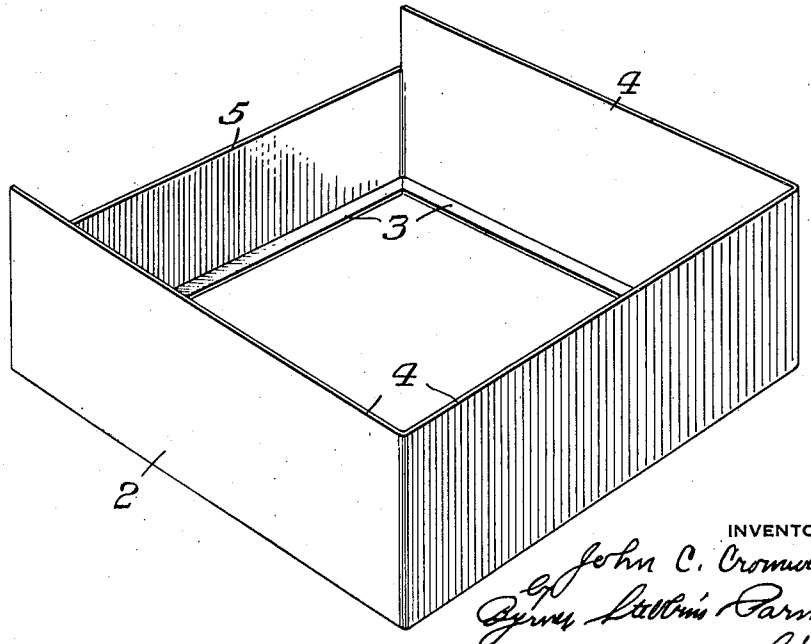


Fig. 7.



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Fig. 2.

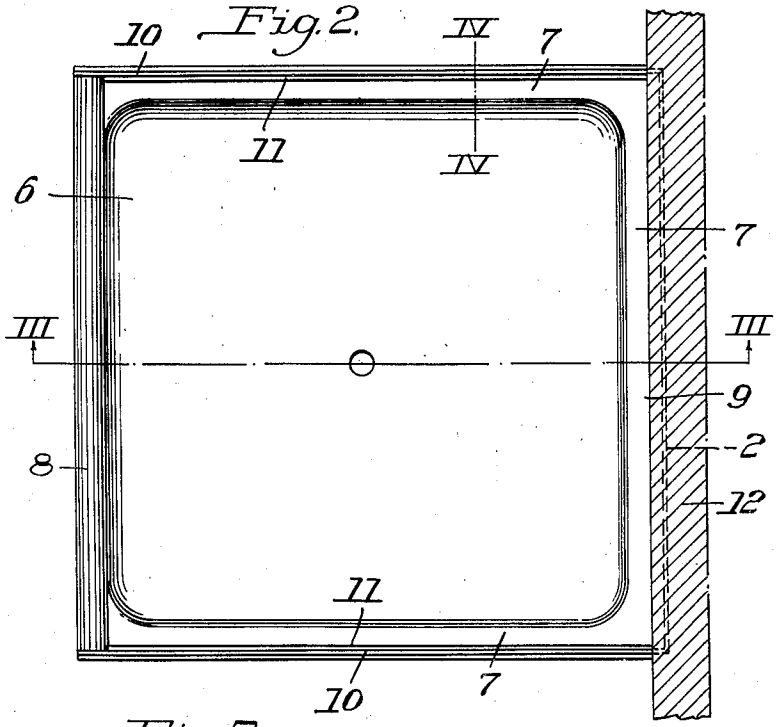


Fig. 3.

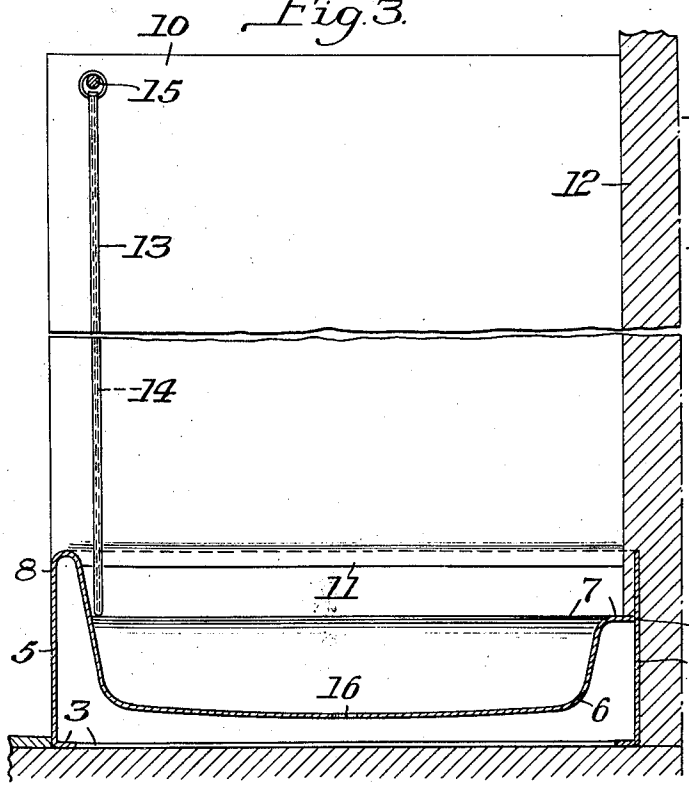
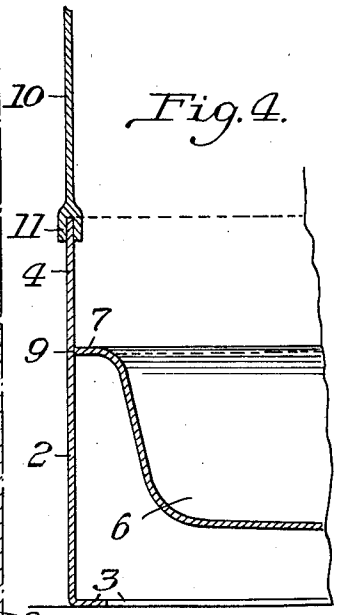


Fig. 4.



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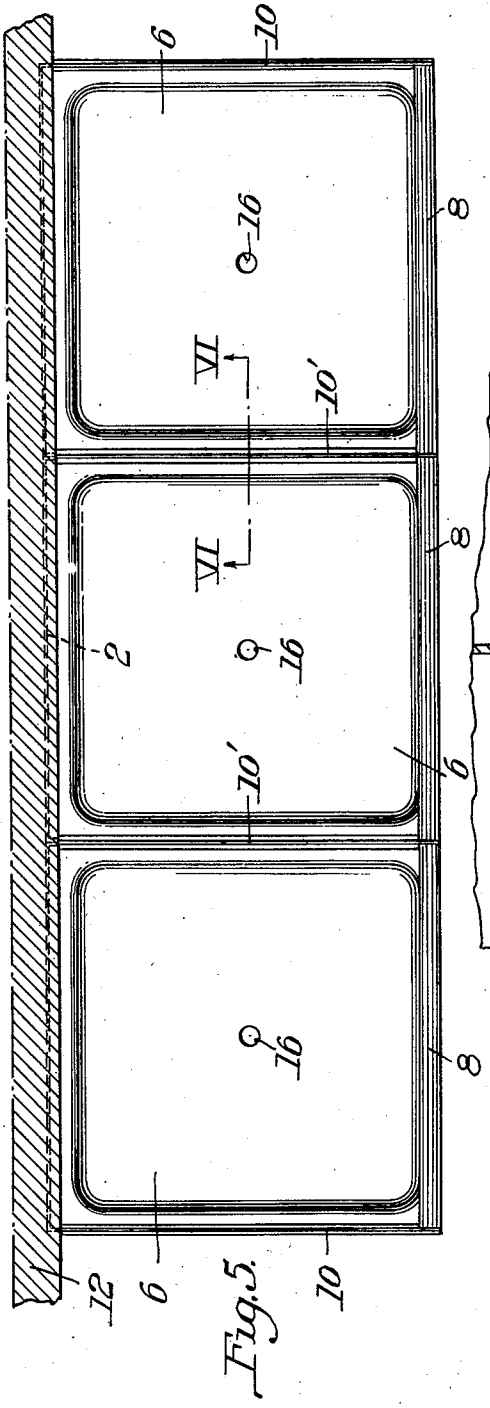


Fig. 5.

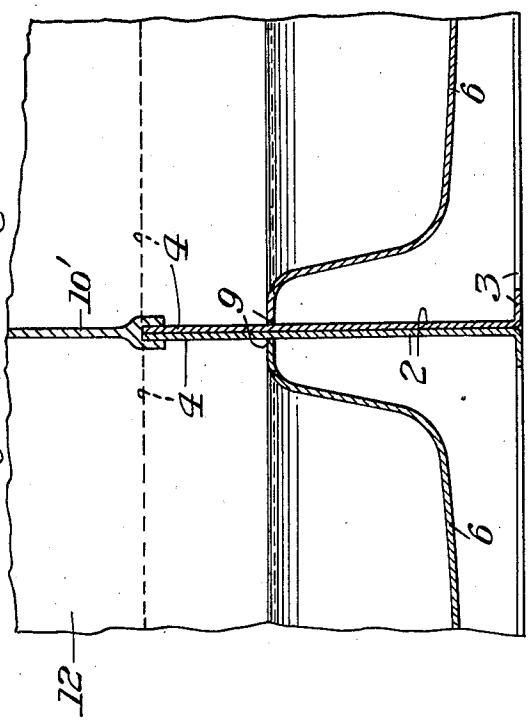


Fig. 6.

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1,749,275

UNITED STATES PATENT OFFICE

JOHN C. CROMWELL, OF ALLIANCE, OHIO, ASSIGNOR TO THE STEEL SANITARY COMPANY, OF ALLIANCE, OHIO, A CORPORATION OF OHIO

BUILT-UP SHOWER BATH

Application filed June 23, 1928. Serial No. 287,668.

The present invention relates to the manufacture of shower bath tubs, and more particularly to a sheet metal shower bath tub of improved construction adapted to be used individually or in batteries, as may be desired.

In the accompanying drawings there are shown by way of illustration only, certain preferred embodiments of the present invention, it being understood that the drawings do not define the limits of my invention, inasmuch as changes in the construction of the parts and the figures thereof may be made without departing either from the spirit of the invention or the scope of my broader claims.

In the drawings:—

Figure 1 is a perspective view, partly broken away, of one corner of a tub constructed in accordance with the present invention;

Figure 2 is a top plan view of a completed tub in position in the wall;

Figure 3 is a vertical transverse sectional view on the line III—III of Figure 2;

Figure 4 is a detail sectional view, on an enlarged scale, on the line IV—IV of Figure 2;

Figure 5 is a view similar to Figure 2, illustrating a battery of tubs;

Figure 6 is a view similar to Figure 4 but taken on the line VI—VI of Figure 5; and

Figure 7 is a perspective view of the frame ready for the reception of a base therein.

In accordance with the present invention, I may construct a frame 2, either from one piece or from a plurality of sections shaped and joined to produce the generally rectangular outline of Figure 7 with an inwardly extending reinforcing flange or foot 3.

The frame is preferably so made as to provide three high sides 4, and a low side 5, the low side constituting the front of a finished tub. Having produced the frame, a base section 6, of generally rectangular contour and having three low edges 7 and a relatively high downturned edge 8, is placed in position in the frame, as illustrated in Figure 1. In this position, the peripheral edges 9 of the relatively low sides of the base abut against the inside surfaces of the relatively high sides of the frame, while the downturned edge 8 abuts against the uppermost edge of the relatively low side 5. The parts are welded in this position along the lines of junction between the base and the frame, the line of weld extending substantially circumferentially of the tub and lying approximately in a common plane.

An article constructed in accordance with the foregoing description may be utilized individually, or a plurality of such articles may be placed in side by side relationship in the manner indicated in Figure 5. When utilized individually, a partition member 10, having a bifurcated lower edge 11, adapted to straddle one of the high sides of the frame, may be provided for each of the two opposite sides thereof, to cooperate with the wall 12 to enclose three sides of the tub. Cooperating with the fourth side is a curtain 13, the lower edge of which is adapted to ride at all times within and against the relatively high front edge of the tub, as illustrated in Figure 3, whereby the possibility of displacement of the curtain and the splashing of adjacent portions of the room are minimized. By the provision of one or more relatively stiff rods or wires 14 in the edges or at other portions of the curtains, and mounting the curtains or reinforcing members to slide on a rod or support 15, displacement of the curtains is positively precluded.

Where a plurality of the tubs are placed in adjacent relationship to form a battery thereof, as indicated in Figure 5, the only difference will be with respect to the construction of the bifurcated lower ends on the partition members 10′, the lower ends in such case being wide enough to straddle two adjacent sides and prevent the passage of water between the adjacent tubs, as well as to give the privacy desired.

The present invention enables tubs of the character herein referred to to be inexpensively manufactured and installed either individually or in groups. When installed, the high side 4, constituting the rear of the tub, interlocks with the wall, as clearly indicated in Figure 3 of the drawings, and prevents

the leakage of water from the tub upwardly into and through the wall, while the sides 10 prevent leakage from the tub outwardly adjacent the sides. The curtains are also maintained in such a position as to prevent splashing outwardly from the front of the tub.

The tub may be provided with any desired openings at suitable points therein for the reception of fittings of any character desired, the fittings cooperating with the waste outlet opening 16, preferably being of such nature as to permit the maintenance of a predetermined body of water within the tub at any time during the use thereof.

Changes in the construction of the article may be made within the spirit of the present invention without departing from the scope of the claims hereto appended.

I claim:—

1. As an article of manufacture, a shower bath tub comprising a substantially rectangular frame, having a base section welded in position therein.

2. As an article of manufacture, a shower bath tub comprising a frame having sides of different heights, and a base having sides of different heights welded in position in the frame.

3. As an article of manufacture, a shower bath tub comprising a frame having sides of different heights, and a base having sides of different heights welded in position in the frame with the low sides of the base cooperating with the high sides of the frame to provide a substantially uniform overall height at all of the sides.

4. As an article of manufacture, a shower bath tub comprising a frame, and a base having three out-turned edges and one down-turned edge welded in position within the frame.

5. As an article of manufacture, a shower bath tub comprising a base having a down-turned edge, and a frame having a front edge of relatively less height than any of the other edges to cooperate with said down-turned edge on the base.

6. As an article of manufacture, a shower bath tub comprising a frame and base secured together with the base constituting one of the edges of the tub, and the frame constituting the other edges thereof.

7. As an article of manufacture, a shower bath tub comprising a frame and base secured together with the base constituting one of the edges of the tub, and the frame constituting the other edges thereof, there being partitions cooperating with certain of the edges of the frame.

8. As an article of manufacture, a shower bath tub comprising a frame and base secured together with the base constituting one of the edges of the tub, and the frame constituting the other edges thereof, there being partitions cooperating with certain of the edges of the frame and straddling the same.

9. A shower bath installation, comprising a plurality of separate frames, in side by side relationship, partitions common to a plurality of frames cooperating therewith and straddling the same, and a tub forming base section secured in each of the frames.

10. In a shower bath, a frame providing relatively high side and back portions, a tub providing a relatively high front portion secured in position in the frame, and a curtain cooperating with said front portion.

11. In a shower bath, a frame providing relatively high side and back portions, a tub providing a relatively high front portion secured in position in the frame, and a curtain cooperating with said front portion and held against movement outwardly relatively thereto.

12. In a shower bath, a frame providing relatively high side and back portions, a tub providing a relatively high front portion secured in position in the frame, a curtain cooperating with said front portion and held against movement outwardly relatively thereto, and partitions detachably cooperating with the high side of the frame.

13. As an article of manufacture, a shower bath tub comprising a substantially rectangular frame, having a base section welded in position therein, said article having all of the edges thereof terminating in substantially a common horizontal plane.

14. As an article of manufacture, a shower bath tub comprising a frame having sides of different heights, and a base having sides of different heights welded in position in the frame, said article having all of the edges thereof terminating in substantially a common horizontal plane.

15. As an article of manufacture, a shower bath tub comprising a frame, and a base having three out-turned edges and one down-turned edge welded in position within the frame, said article having all of the edges thereof terminating in substantially a common horizontal plane.

16. As an article of manufacture, a shower bath tub comprising a frame and base secured together with the base constituting one of the edges of the tub, and the frame constituting the other edges thereof, said article having all of the edges thereof terminating in substantially a common horizontal plane.

In testimony whereof I have hereunto set my hand.

JOHN C. CROMWELL.