May 22, 1923. 1,455,945

J. J. WALTON

TUB

Filed April 5, 1922

Fig. 1.

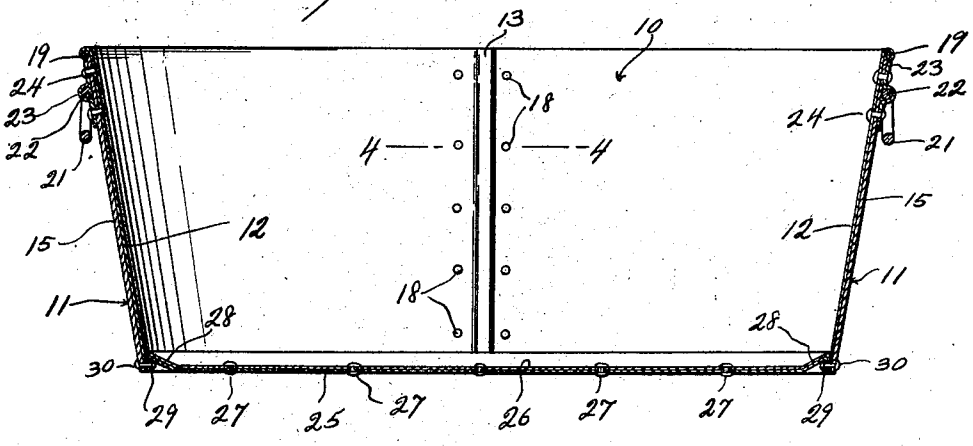


Fig. 4.

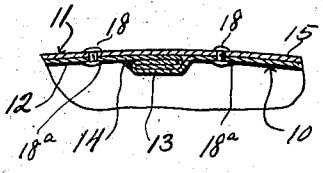


Fig. 2.

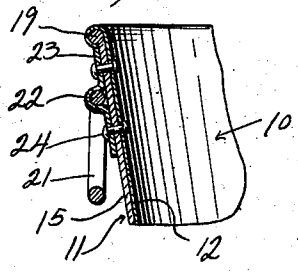


Fig. 5.

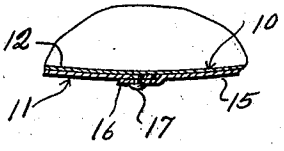
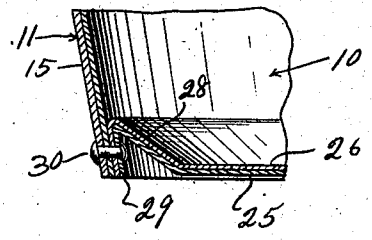


Fig. 3.



Inventor

J. J. Walton

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Patented May 22, 1923. 1,455,945

UNITED STATES PATENT OFFICE.

JOHN JAMES WALTON, OF DANTE, VIRGINIA.

TUB.

Application filed April 5, 1922. Serial No. 549,703.

To all whom it may concern:

Be it known that I, JOHN JAMES WALTON, a citizen of the United States, residing at Dante, in the county of Russell and State of Virginia, have invented certain new and useful Improvements in Tubs, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to improvements in tubs, and an important object of the invention is to provide a reinforced tub structure whereby an inner tub constructed of rust proof material such as light tin, galvanized iron, copper or the like is supported by an outer steel tub.

A further object of the invention is to provide in a construction of this character a connection between the upper edges of the inner and outer tubs whereby leakage of water intermediate the tub sections is effectually prevented.

A still further object of the invention is to provide means for connecting the tubs so as to prevent leakage of the water from the inner tub to the outer tub in such a manner as to cause rusting thereof.

Other objects and advantages of the invention will become apparent from the following description.

In the accompanying drawings wherein for the purpose of illustration is shown a preferred embodiment of my invention and wherein like reference characters designate like parts throughout:

Figure 1 is a vertical sectional view taken through a tub constructed in accordance with my invention;

Figure 2 is an enlarged detail sectional view showing the mounting of the handle;

Figure 3 is a section showing the connection of the bottom, with the sides of the tub;

Figure 4 is a section on the line 4—4 of Figure 1; and

Figure 5 is a section showing the joint of the outer tub.

Referring now more particularly to the drawings, the numeral 10 indicates an inner tub formed of light tin, galvanized iron, copper or the like, and the numeral 11 an outer steel tub. The side walls 12 of the inner tub 10 have a folded lap joint connection 13, the inner fold of which is connected to the walls 12 by soldering, as at 14, to prevent leakage at the joint. The outer tub 11 has the side walls 15 thereof lap-jointed, as indicated at 16, and secured by means of small rivets 17, or the like. The walls 12 and 15 are secured together by means of rivets 18 extending therethrough and having their heads arranged at the inner face of the inner tub, solder being flowed around the edges of these rivets, as at 18^a, to prevent leakage thereby. A vertical row of these rivets is preferably arranged at each side of the folded lap joint 13 of the inner tub so as to effectually prevent movement of the walls of the tub at the joint in such a manner as to break the connection thereof.

The upper end of the outer tub side wall 15 is abutted by a circular rod 19 and the upper end of the wall 12 of the inner tub is rolled about this rod and has its end abutting the outer face of the wall 15 of the outer tub so as to completely close the top joint of these side walls and prevent water passing between the same to rust the wall of the outer tub. At diametrically opposed points the side walls have secured thereto handle members 21, the pivot portions 22 of which are engaged by cover plates 23 abutting the outer face of the wall 15 of the outer tub and secured thereto by rivets, 24.

The bottom 25 of the outer tub 11 has its central portion substantially coplanar with the lower edges of the side walls 15 thereof and is secured to the bottom 26 of the inner tub by means of rivets 27. The edges of the bottoms 25 and 26 incline upwardly, as indicated at 28, and have their outer extremities provided with down bent flanges 29. Through these flanges and through the lower extremities of the side walls 12 and 15 rivets 30 are extended for securing the bottom and sides together.

From the foregoing it will be seen that the interior tin tub is protected against bending and deformation by the outer steel tub and it will likewise be seen that the weight of the material employed in constructing the inner tub may be made very light and at the same time a very strong tub provided. It will furthermore be obvious that the structure as hereinbefore set forth is capable of many changes and modifications without materially departing from the spirit of my invention and I accordingly do not limit myself to such specific structure except as hereinafter claimed.

I claim:

A tub comprising an inner tub of rust proof material and an outer reinforcing tub, and securing means extending through the walls and bottom of said tubs and securing the same together, the upper end of the side wall of the outer tub being abutted by a ring member, the upper end of the side wall of the inner tub being bent about said ring member and having its extremity abutting the outer face of the side wall of the outer tub.

In testimony whereof I hereunto affix my signature.

JOHN JAMES WALTON.