

(No Model.)

J. A. WHEELER.
BATH TUB, &c.

No. 531,710.

Patented Jan. 1, 1895.

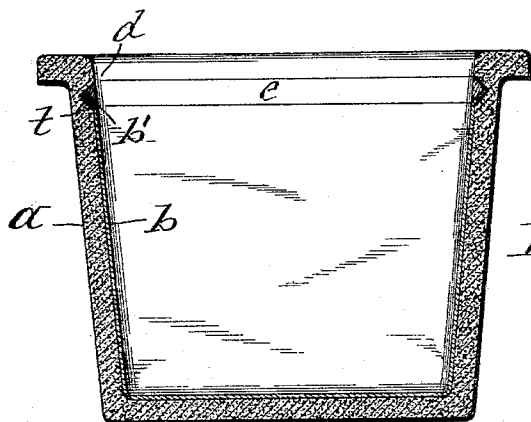


Fig. 1

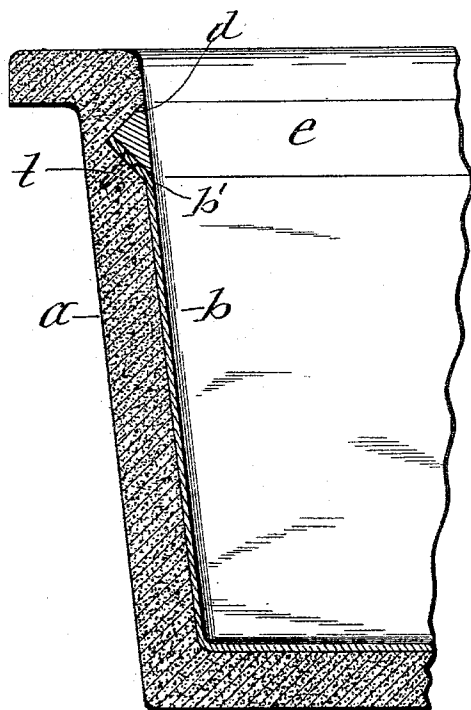


Fig. 2

WITNESSES:

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UNITED STATES PATENT OFFICE.

JAMES A. WHEELER, OF OSWEGO, NEW YORK.

BATH-TUB, &c.

SPECIFICATION forming part of Letters Patent No. 531,710, dated January 1, 1895.

Application filed February 1, 1894. Serial No. 493,750. (No model.)

To all whom it may concern:

Be it known that I, JAMES A. WHEELER, of Oswego, in the county of Oswego, in the State of New York, have invented new and useful
5 Improvements in Bath-Tubs or Analogous Hollow Articles, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

The object of this invention is to provide
10 bath-tubs and analogous hollow articles which shall be rigid and self-sustaining body lined with sheet metal and free from liability of warping or injuring the lining by shrinkage of the body; and to that end the invention
15 consists essentially of a bath-tub or analogous hollow article formed in one piece of wood-pulp or analogous fibrous material and provided with a groove extending around the
20 upper part of the interior of the body of said tub, a metallic lining covering the interior of the body and formed with an outward flange along its top edge and permanently secured with said flange in the aforesaid groove, and
25 a filling strip permanently secured in the groove and covering the aforesaid flange, as hereinafter more fully described and set forth in the claim.

In the annexed drawings Figure 1 represents a vertical transverse section of a bath-tub embodying my invention, and Fig. 2 is an enlarged sectional view of the attachment of the metallic lining.

—*a*— represents the body which is formed in one piece of compressed fibrous material,
35 preferably molded of wood-pulp and is thus seamless and free from liability of forming grooves and ridges on its interior by shrinkage or warping of the body. This is especially

essential in large articles such as bath-tubs designed to be covered with a thin metallic lining on its inside. —*b*— denotes said lining which extends smoothly over the entire interior of the tub and is formed with an outwardly turned flange —*b'*— along its top edge. The body of the tub is provided with a groove
45 —*d*— extending around the upper part of the interior thereof, and in this groove is permanently secured the flange —*b'*— of the metallic lining either by nails, brads or screws —*t*— passing through the flange and into the body
50 of the tub. I then cover said edge of the lining by a strip —*e*— of wood or lincrusta Walton or other suitable material permanently secured to the body of the tub, said strip completely filling the groove and coming flush
55 with the interior of the tub and being concealed by paint or other finishing material applied to the surface of the top portion of the tub.

What I claim as my invention is— 60

As an improved article of manufacture, a bath-tub or similar large, hollow article formed in one piece of fibrous pulp provided with a groove extending around the upper part of the interior thereof, a metallic lining formed
65 with an outwardly turned flange rigidly secured in said groove, and a filling strip permanently secured in the groove and covering the flange of the lining as set forth and shown.

In testimony whereof I have hereunto
70 signed my name this 19th day of December, 1893.

JAMES A. WHEELER. [L.S.]

Witnesses:

W. H. KENYON,
F. T. CAHILL.