

(No Model.)

R. K. STORY.
BATH TUB.

No. 557,289.

Patented Mar. 31, 1896.

Fig. 1.

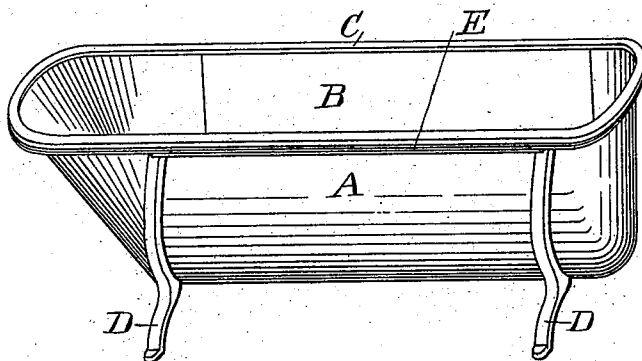


Fig. 2.

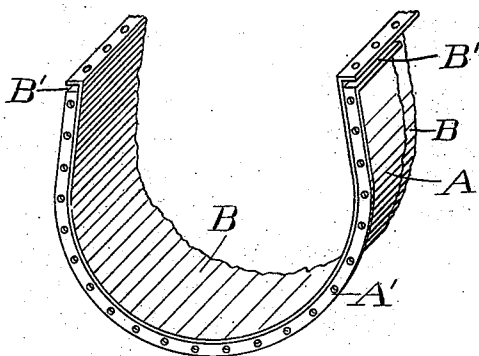


Fig. 3.

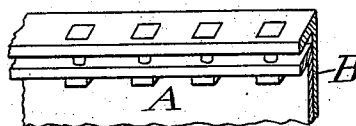
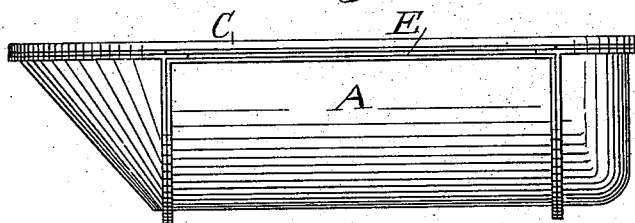


Fig. 4.



Witnesses:

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by

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UNITED STATES PATENT OFFICE.

ROBERT KNIGHT STORY, OF BROOKLYN, NEW YORK.

BATH-TUB.

SPECIFICATION forming part of Letters Patent No. 557,289, dated March 31, 1896.

Application filed May 6, 1895. Serial No. 548,202. (No model.)

To all whom it may concern:

Be it known that I, ROBERT KNIGHT STORY, a citizen of the United States, and a resident of the city of Brooklyn, county of Kings, and State of New York, have invented certain new and useful Improvements in Bath-Tubs, of which the following is a specification.

My invention relates to improvements in bath-tub construction, and has special reference to the manner of securing the several parts together and the means employed to prevent the corrosion of the outer and inner metallic shells, as will be hereinafter more fully set forth and described.

In the drawings, Figure 1 is a perspective view of my improved tub. Fig. 2 is a cross-section on line of flanges of outer shell, through which the body-sections are secured by rivets or otherwise. Fig. 3 is a portion of the top flanges of outer and inner shells, showing manner of bolting them together. Fig. 4 is a side elevation of tub, showing a strip of metal inserted between the outer and inner shells on top of the body sheet to equalize the surface of flanges.

In the drawings like letters indicate like parts.

The bath-tub is composed of an outer shell of metal A, preferably iron or steel, and an inner lining of sheet copper, aluminium, brass, or zinc, or any other metal suitable for the purpose. The outer casing or shell is coated on its inner surface with a non-corrosive liquid or rust-proof solution. The outer shell or main body of the bath-tub is constructed in three sections, flanged all around at the outside edges, the joints A' being either punched and riveted or lock-seamed together to form the body of the tub.

The inner shell or lining B is formed of three or more pieces securely pressed or secured to the outer shell, the seams being either soldered joints or lock-seamed. The upper portion or outer edge of said inner lining is flanged so as to conform to the upper flanges on the outer shell.

The top flanges of both the outer and inner shell are punched with suitable holes and bolted together, so as to firmly secure them

to each other, thus making the outer shell and lining substantially one solid body, as shown in Fig. 3.

Before bolting the top flanges of the inner and outer shells together, owing to there being an unevenness in the top flanges of the outer shell of the tub caused by the flanges of the head and foot sheets overlapping the flanges of the main or body sheet of the outer shell, I insert and add to the flanges on the intermediary body sheet between the flanges of the outer shell and inner lining a strip of metal of the proper thickness and width to even up or make the entire surface of the top of the flanges of the tub perfectly level and true, as shown in Fig. 4, so that when the wooden rim is screwed thereon a water-tight joint is secured without filling the space which would be otherwise left with compounds which are not stable or durable.

The tub when thus completed is supported on metallic legs so attached to the body of the tub as to conceal the joints and to support the tub a suitable distance above the floor, so as to prevent the accumulation of dirt, &c., under the same.

What I claim as new and of my own invention, for which I ask Letters Patent of the United States, is—

1. A bath-tub consisting of an outer metallic shell or casing made in sections, flanged and secured at all points by rivets or lock-seaming, the top flanges of both the head and foot sheets overlapping the flanges of the intermediary or body sheet, securing the same together by means of a rivet or screw passed through the thickness of metal where they overlap; and additional strips of metal, laid on and secured to the top flanges of the intermediary sheet, whereby said flanges are reinforced and trued up to the face-line of the top flanges of the head and foot sheets, substantially as set forth and described.

2. A bath-tub consisting of an outer shell made in three sections—flanged and secured together by rivets or lock-seaming, the top flanges of the head and foot sections overlapping the flanges of the intermediary section—and secured thereto, a non-corrosive

rust-proof coating on the inner side of the
outer shell, and an inner shell acting as a
lining to the outer casing and attached thereto
by bolts or otherwise, substantially as set
5 forth and described.

In testimony that I claim the foregoing as
my invention I have signed my name, in pres-

ence of two witnesses, this 1st day of May,
1895.

ROBERT KNIGHT STORY.

Witnesses:

H. C. VAN VECHTEN,
JAMES KNAUT.