

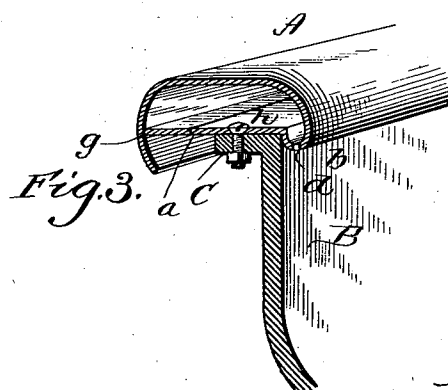
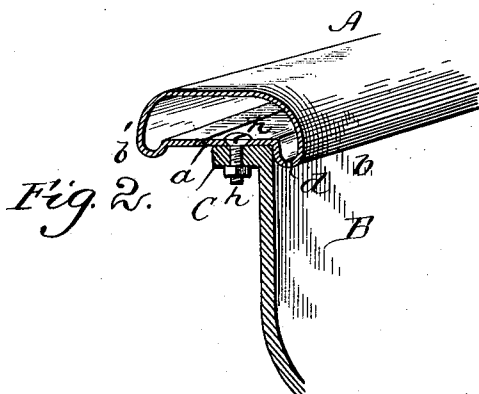
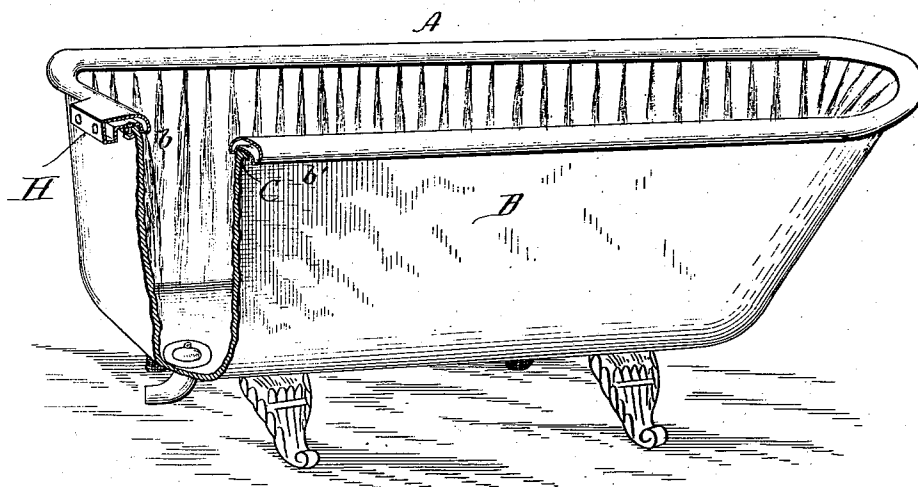
(No Model.)

H. C. STIFEL, F. J. TORRANCE & O. F. GRANT.
BATH TUB.

No. 493,194.

Patented Mar. 7, 1893.

Fig. 1.



Witnesses:
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by *Connelly Bros Attys*

UNITED STATES PATENT OFFICE.

HERMAN C. STIFEL, OF ST. LOUIS, MISSOURI, AND FRANCIS J. TORRANCE
AND OSCAR F. GRANT, OF ALLEGHENY, PENNSYLVANIA.

BATH-TUB.

SPECIFICATION forming part of Letters Patent No. 493,194, dated March 7, 1893.

Application filed August 31, 1892. Serial No. 444,651. (No model.)

To all whom it may concern:

Be it known that we, HERMAN C. STIFEL, residing at the city of St. Louis, State of Missouri, and FRANCIS J. TORRANCE and OSCAR F. GRANT, residing at Allegheny, in the county of Allegheny and State of Pennsylvania, citizens of the United States, have invented certain new and useful Improvements in Bath-Tubs; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention has relation to bath tubs, and particularly to cast iron tubs and the water supplies thereof, and has for its object, the provision of novel means for supplying the tubs with water and for keeping the inner sides or surfaces of the walls clean, without the necessity of scrubbing or removing the accumulations by hand.

The invention consists in combining with a bath tub, a hollow metallic rim, conforming in shape and dimensions to the wooden rims usually applied, and in constructing and adapting the said hollow rim for use as a water conduit, taking its supply from the hot and cold water pipes adjacent to the tub, and conveying the same to the interior of the tub through small jet openings formed in the hollow rim close to the walls of the tub.

The hollow, water conveying rim, constructed according to the present invention serves the double purpose of an ornamental rim, covering and concealing the unfinished flange around the upper edge of the tub, and a water supply, leading the water of uniform temperature to all parts of the tub and under such conditions as will prevent the formation of unsanitary accumulations around the walls.

In the accompanying drawings, Figure 1 is a perspective view, partly in section of a cast iron bath tub, embodying the invention. Fig. 2 is a transverse sectional view of the preferred construction of hollow rim. Fig. 3 is a transverse sectional view of a modified form of hollow rim.

The hollow metallic rim, A, is particularly adapted for application to cast iron bath tubs

of the form shown at B in the drawings, or of any other approved form, such tubs being cast with a narrow flange C, around the mouth or upper edge of the tub and projecting outwardly. This flange forms a support for and means of attachment of the rim, which is usually of wood, oiled and varnished, but which for the purposes of the present improvement is made of metal in the form of a flattened tube, or a tube conforming in cross section to the shape usually given to the wooden rim. The hollow rim is made by taking a sheet or sheets of brass or other suitable metal, passing it lengthwise through dies or subjecting it to the action of a press or rolls, bending it over to the shape required and brazing the edges together as shown at *a* in Fig. 2. A depending lip or bead is formed at *b* and this is pierced at intervals with small holes *d, d*, through which the water entering the rim from the water supply, is allowed to flow down over the walls of the tub. In the form shown in Fig. 2 the hollow rim is formed with two depending flanges, *b, b'* are formed, the outer bead *b'* being used to conceal the outer edge of the flange of the tub. In the modified form illustrated in Fig. 3, there is but one bead, *i. e.* on the inner side, the sheet from which the rim is formed being curved over the brazed joint or seam *g*, and bent downward a sufficient distance to hide the flange of the tub. The hollow rim is secured to the flange of the tub by small bolts and nuts *h* or in any other convenient manner.

H designates a hollow casting to which the ends of the tubular rim are secured and which serves as a means for the connection of the hot and cold water supply pipes or pipe. This casting may be arranged at the end or side of the tub as may be desired.

Having described this invention, what is claimed, and desired to be secured by Letters Patent, is—

1. The combination with a bath tub, of a hollow metallic rim, connected to the water supply, perforated around its under and inner side and having a depending lip or flange embracing the edge of the tub.

2. The combination with a bath tub, of a

hollow metallic rim, beaded or flanged on its under side to conform to the flange of the tub and embrace the same, perforated through its inner flange or bead, and connected to the
5 water supply, substantially as described.

3. The combination with a bath tub, of a hollow sheet metal rim resting on the edge of the tub and constituting the finishing molding of the tub, said hollow rim being flanged
10 to embrace the rim of the tub body and being

perforated at intervals and connected to the water supply, substantially as described.

In testimony whereof we affix our signatures in presence of two witnesses.

HERMAN C. STIFEL.
FRANCIS J. TORRANCE.
OSCAR F. GRANT.

Witnesses:

THOS. A. CONNOLLY,
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