

(No Model.)

F. J. MILLER.
BATH TUB.

No. 545,243.

Patented Aug. 27, 1895.

FIG. 1.

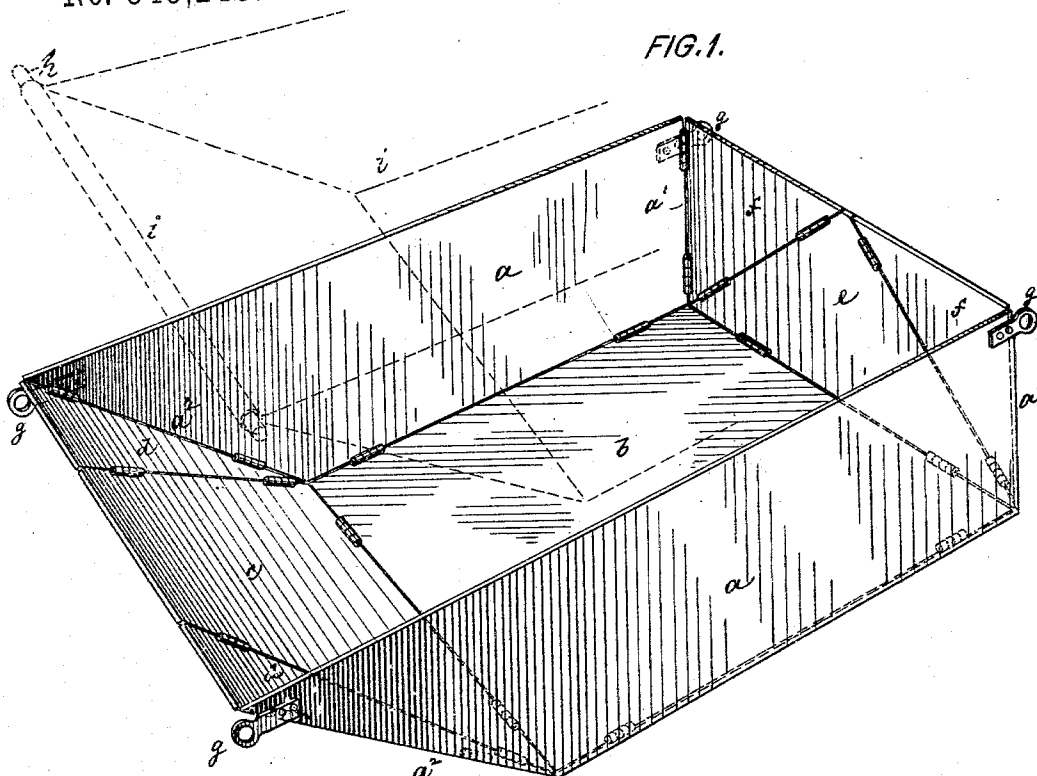


FIG. 2.

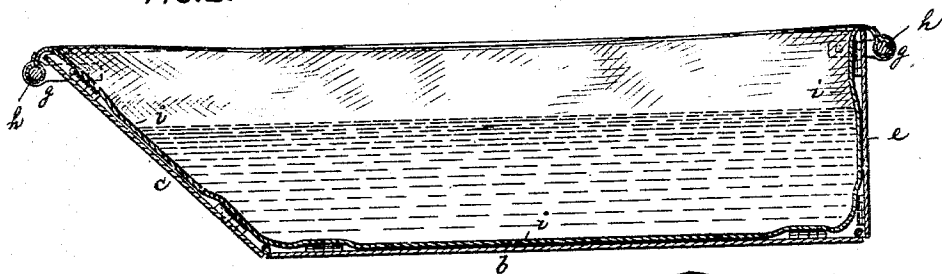
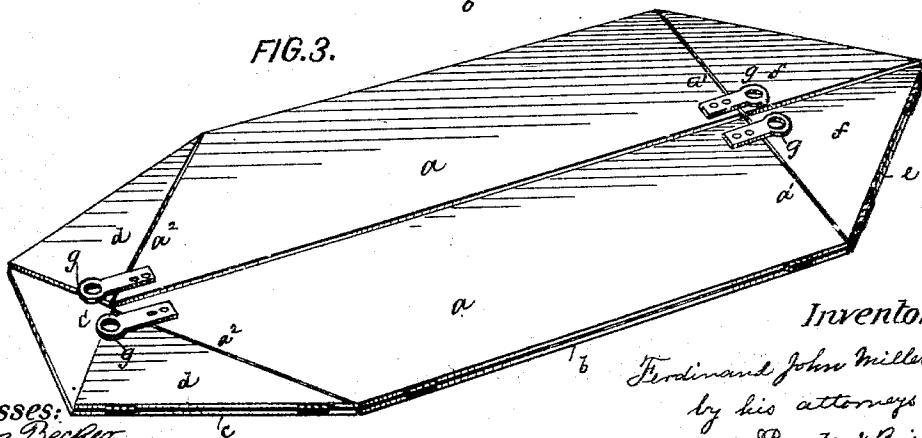


FIG. 3.



Witnesses:
John Becker
William Schulz.

Inventor:
Ferdinand John Miller
by his attorneys
Roeder & Briesen

UNITED STATES PATENT OFFICE.

FERDINAND JOHN MILLER, OF NEW YORK, N. Y., ASSIGNOR OF ONE-HALF
TO ADOLPH MUELLER AND JACOB PFEIFFER, OF SAME PLACE.

BATH-TUB.

SPECIFICATION forming part of Letters Patent No. 545,243, dated August 27, 1895.

Application filed June 7, 1895. Serial No. 551,994. (No model.)

To all whom it may concern:

Be it known that I, FERDINAND JOHN MILLER, of New York city, New York, have invented an Improved Bath-Tub, of which the following is a specification.

This invention relates to a bath-tub which may be folded into a flat form when out of use, and may be thus readily stored away.

In the accompanying drawings, Figure 1 is a perspective view of my improved bath-tub, showing it open and with the rubber pocket removed. Fig. 2 is a vertical longitudinal section of the tub, and Fig. 3 is a plan of the same, showing it folded.

My improved bath-tub consists, essentially, of nine pieces—namely, the bottom, sides, ends, and a pair of triangular corner pieces, secured to each of the ends. The sides *a* are hinged to the bottom *b* and have one straight edge *a'* and one inclined edge *a''*. The head piece *c* is quadrangular, with parallel sides and converging ends. It is hinged at its base to the bottom *b* and at its ends to triangular corner pieces *d*, which are in turn hinged to the edges *a''* of the sides *a*. The head piece *c*, complemented by its corner pieces *d*, forms a rectangular plate, Fig. 1. The foot piece *e* is made in the form of an isosceles triangle, which is hinged at its base to the bottom *b* and at its sides to triangular corner pieces *f*. These corner pieces are in turn hinged to the edges *a'* of the sides *a* and complement the foot piece *e* into a rectangular figure.

To the sides *a* there are attached eyes *g*, adapted for the reception of a pair of end rods *h* of a removable waterproof pocket *i*, of rubber or other material. This pocket is of a shape to snugly fit against the inner side of the bath-tub and render it water-tight.

In use, the tub is opened, as shown in Fig. 1, and the pocket is inserted and secured in place by slipping the rods *h* into the eyes *g*. Thus the tub is ready for use. If the tub is to be put away, the pocket is first removed, and then the tub is folded upon itself, so as to form an entirely flat body. This is done by folding both the head piece *c* and foot piece *e* outward, so as to bring them into the same plane with the bottom *b*. The sides *a* and corner pieces *d f* will at the same time fold flat upon the bottom and ends, Fig. 3, so that the height of the bath-tub is reduced to twice the thickness of its sides. Thus it will be seen that the bath-tub can be easily carried about and stored away without occupying any superfluous room.

What I claim is—

1. A folding bath tub composed of a bottom, hinged sides, and hinged sectional head and foot pieces, which are hinged to the sides of the tub substantially as specified.

2. A folding bath tub composed of a bottom, hinged sides, a quadrilateral head piece, an isosceles foot piece and triangular corner pieces hinged to the head and foot pieces, substantially as specified.

3. The combination of a folding bath tub having hinged sides and hinged sectional head and foot pieces, which are hinged to the sides of the tub with a water proof pocket and means for securing said pocket to the tub, substantially as specified.

FERDINAND JOHN MILLER.

Witnesses:

F. V. BRIESEN,
WILLIAM SCHULZ.