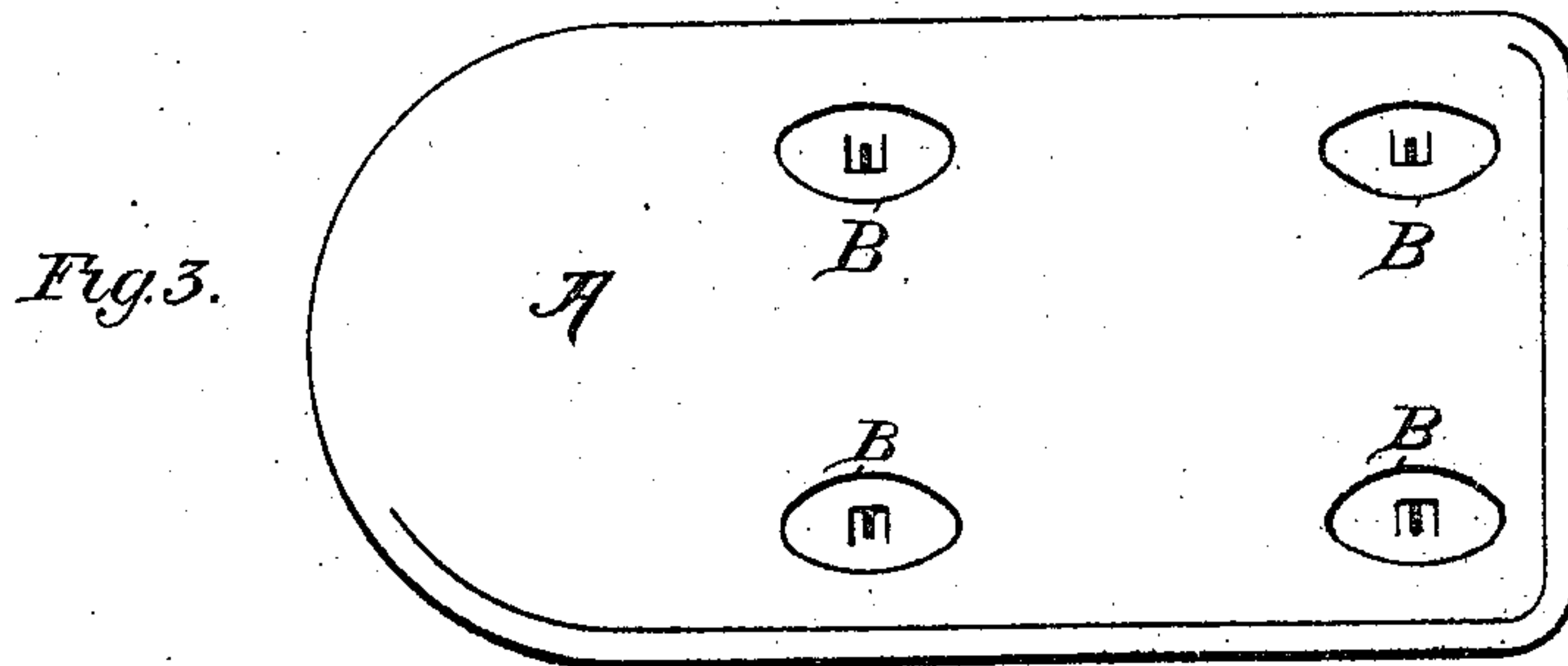
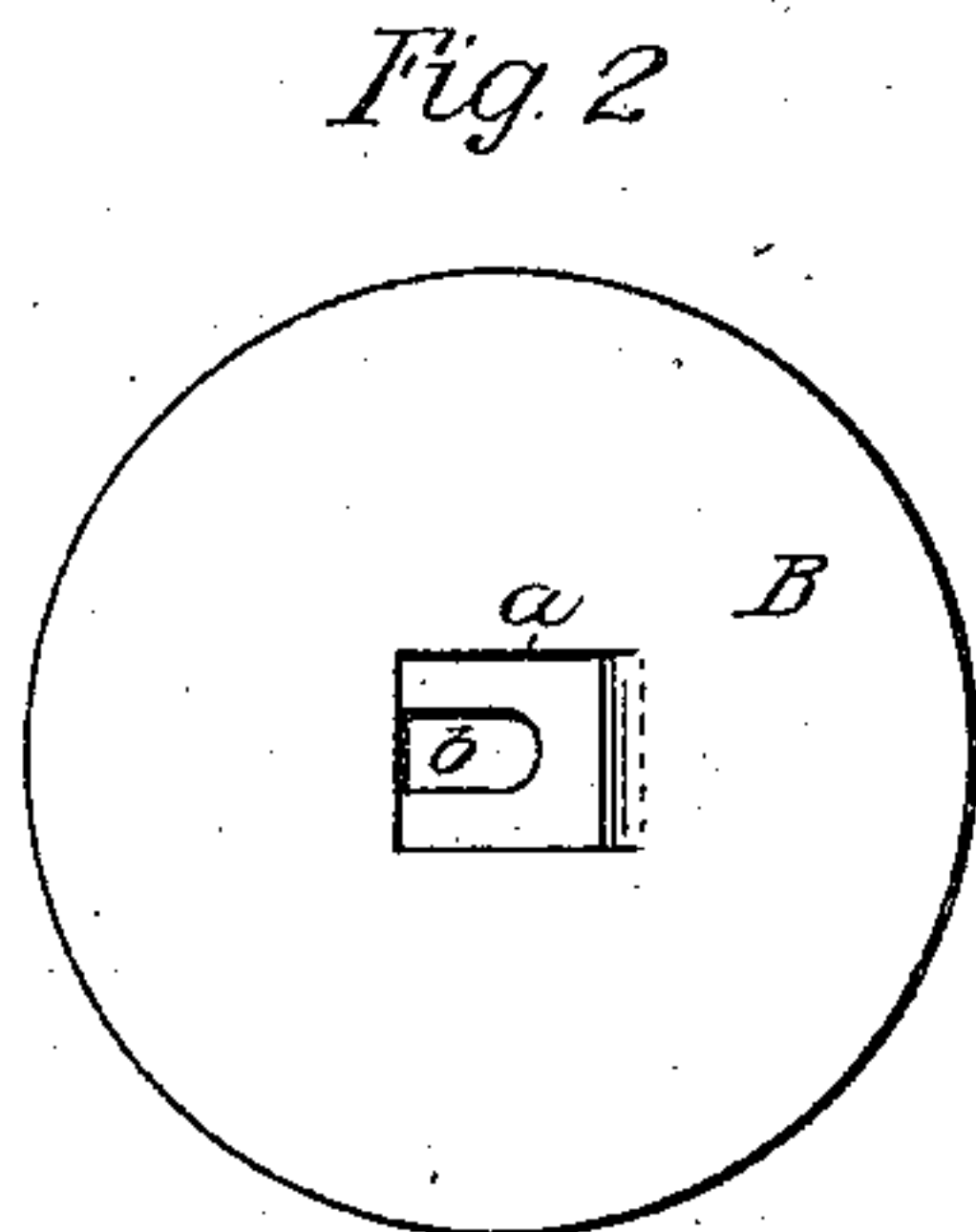
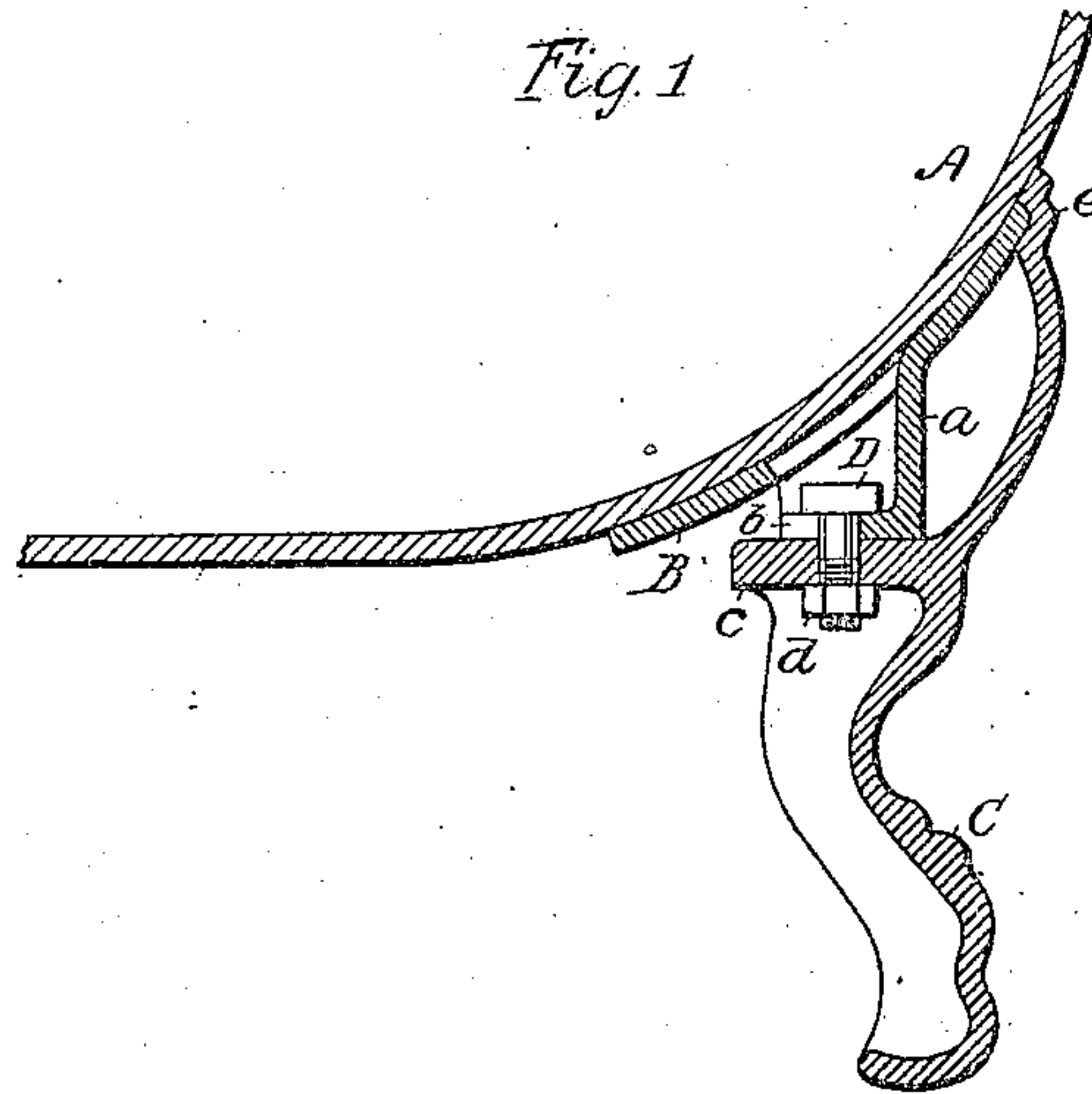


No. 846,977.

PATENTED MAR. 12, 1907.

C. H. BOOTH.
BATH TUB LEG FASTENING.
APPLICATION FILED JUNE 16, 1906.



WITNESSES:
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UNITED STATES PATENT OFFICE.

CLARENCE H. BOOTH, OF DETROIT, MICHIGAN.

BATH-TUB-LEG FASTENING.

No. 846,977.

Specification of Letters Patent.

Patented March 12, 1907.

Application filed June 16, 1906. Serial No. 321,970.

To all whom it may concern:

Be it known that I, CLARENCE H. BOOTH, a subject of the King of Great Britain, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Bath-Tub-Leg Fastenings, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention has for its particular object to provide a leg-fastening especially adapted for seamless steel bath-tubs which are stamped from a single piece of sheet-steel; and the invention consists in the specific construction and arrangement of parts, all as more fully hereinafter described, and set forth in the claims.

20 In the drawings which form a part of this specification, Figure 1 is a vertical cross-section through one of the legs of the bath-tub, and Fig. 2 is a detached plan of the metal plate forming the leg-seat. Fig. 3 is a bottom plan of a bath-tub provided with my leg-fastening, the legs being removed.

25 At each of four points upon its rounded portions the body A of the tub is reinforced by a substantially circular metal plate B, which is shaped in conformity to the rounded portions and united thereto by welding, soldering, or brazing. This plate has formed in it a central depression *a* of substantially rectangular shape and suitable size and depth to form a nut-seat surrounding the nut on 30 formed by depressing the plate on one side of a longitudinal slit in the plate and a slot *b* in its bottom for the lateral insertion and removal of the leg-fastening bolt D.

40 C represents one of the four legs. It is formed with a shank *c*, extending inwardly beneath the depressed portion forming the seat thereof and has a bolt-hole registering with the slot in the plate B.

45 The fastening-bolt passes through the slot *b* and through the shank and is provided with a tightening-nut *d* on the under side of the shank.

50 The leg extends upwardly above the shank and terminates in an upper margin *e*, which conforms to the outline of the plate B and marginally contacts therewith for a portion of its circumference.

55 As the plates B are applied to the curved portions of the body which intervene between the horizontal bottom and vertical sides the weight will be carried upon the

strongest portion thereof, with the plates B forming a reinforcement by giving it double thickness. At the same time the size of the shipping-crate will not have to be increased 60 in the slightest above what would be required for the mere body of the tub.

Other advantages of my leg-fastening are that it adds but little weight to the tub and that it is strong, simple, and easily applied. 65

What I claim as my invention is—

1. A seamless steel bath-tub provided at four points upon the curved portions intervening between its bottom and sides with reinforcing-plates shaped to fit against the 70 curved portions and united thereto, each plate formed with a central depression laterally open on one side and provided with a slot in its bottom, a leg having a shank projecting inwardly beneath the depression and a securing-bolt passing through the shank 75 and the plate and having its head seated in the depression thereof.

2. A seamless steel bath-tub provided at each of four points upon the curved portions 80 of its body intervening between the bottom and sides thereof with reinforcing-plates conforming to the shape of the tub and united thereto, each plate formed with a central depression adapted to form a nut-seat for the 85 securing-bolt of a detachable supporting-leg, each plate and its depressed portion being wholly within the angle formed by the sides and bottom of the tub and the depressed portions forming the leg-rests for the tub. 90

3. The combination of a bath-tub, a leg-fastening comprising a sheet-metal disk shaped in conformity to the rounded portions of the tub intervening between its bottom and sides and united thereto, said disk provided with a 95 central depression laterally open at the inner side and adapted to form a nut-seat for the securing-bolt of the leg, a leg having a shank projecting inwardly beneath said depressed portion of the plate and a securing-bolt passing 100 through said shank and plate and having its tightening-nut on the lower end of the bolt beneath the shank of the leg, the leg extending upwardly above the shank and surrounding with its marginal upper edge the upper 105 marginal portion of the plate and contacting therewith.

4. The combination of a bath-tub, a leg-fastening comprising a sheet-metal disk shaped in conformity to the curved portions inter- 110 vening between the bottom and sides of the body of the tub and united thereto, the disk

formed with a central depression open later-
ally and adapted to receive the securing-bolt
of the leg and form a nut-seat for the head
thereof, a leg having an inwardly-projecting
5 shank forming a bearing for the depressed
portion of the sheet-metal disk, and a bolt
securing the shank to the depressed portion
of the metal disk, said metal disk and its de-
pressed portion being wholly within the angle
10 formed by the sides and bottom of the tub
and the leg projecting upwardly above the
shank and marginally surrounding and con-
tacting with the marginal outer portion of
the disk.

15 5. A seamless steel bath-tub provided at
each of four points of its body portion with
a reinforcing-plate united thereto and con-
forming to the shape of the tub, each plate
formed with a central depression adapted to
20 form a nut-seat for the securing-bolt of a de-
tachably supporting-leg.

6. A seamless steel bath-tub provided at

four points on the under side of its body por-
tion with reinforcing-plates conforming to
the shape of the tub and united thereto, each 25
plate formed with a depressed portion, and a
supporting-leg detachably secured to the de-
pressed portion of each plate.

7. The combination with a seamless steel
bath-tub, of a leg-fastening comprising a re- 30
inforcing-plate united to the body of the bath-
tub and provided with a depressed portion
and a leg detachably secured to the depressed
portion, said depressed portion being formed
on one side of a longitudinal slit in the plate 35
and forming a nut-seat, open on one side, for
the securing-bolt of the leg.

In testimony whereof I affix my signature
in presence of two witnesses.

CLARENCE H. BOOTH.

Witnesses:

OTTO F. BARTHEL,
OLIVER E. BARTHEL.