

No. 684,888.

Patented Oct. 22, 1901.

A. G. WARD.

BATH TUB LEG.

(Application filed Apr. 10, 1901.)

(No Model.)

Fig. 1.

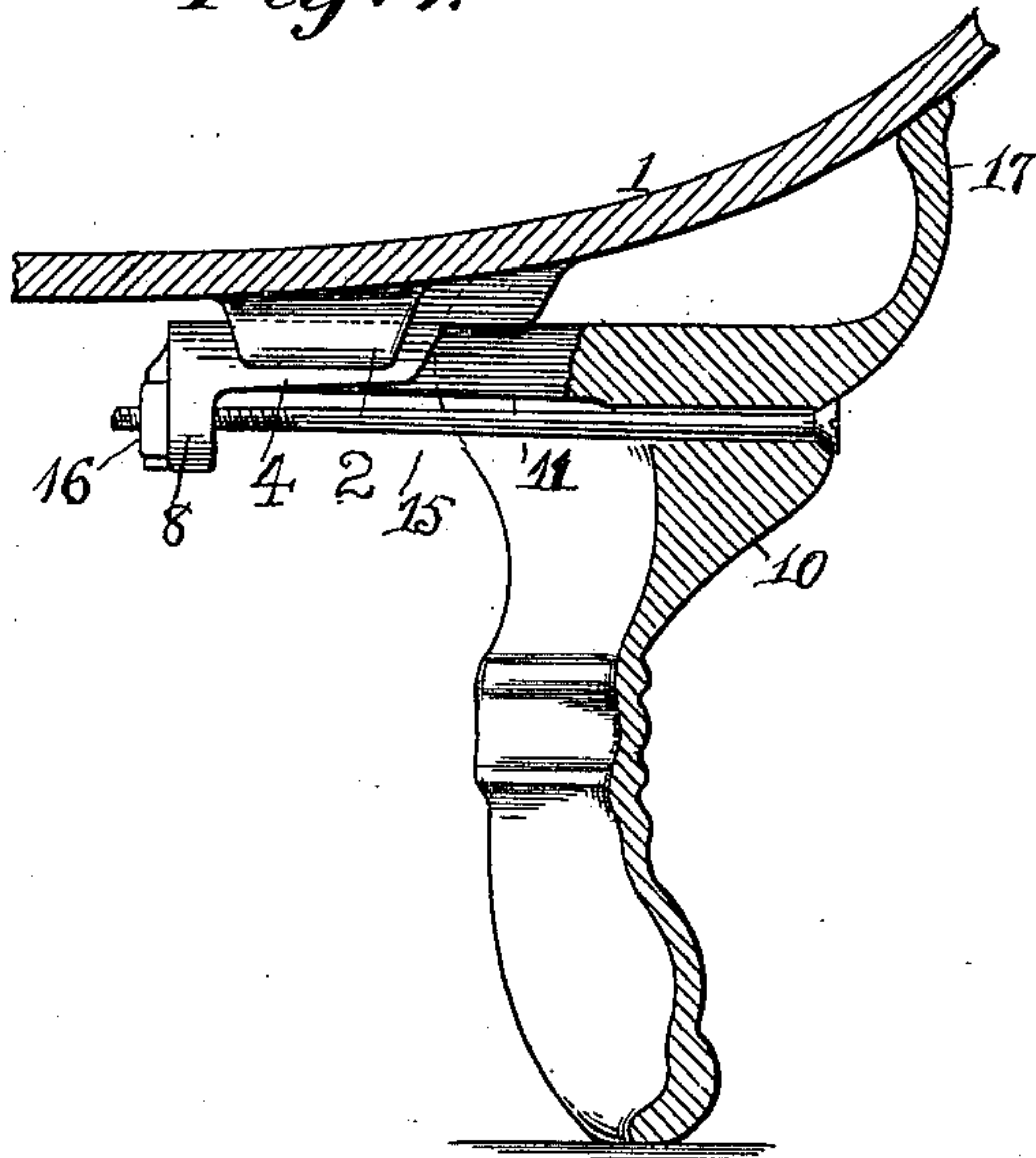


Fig. 2.

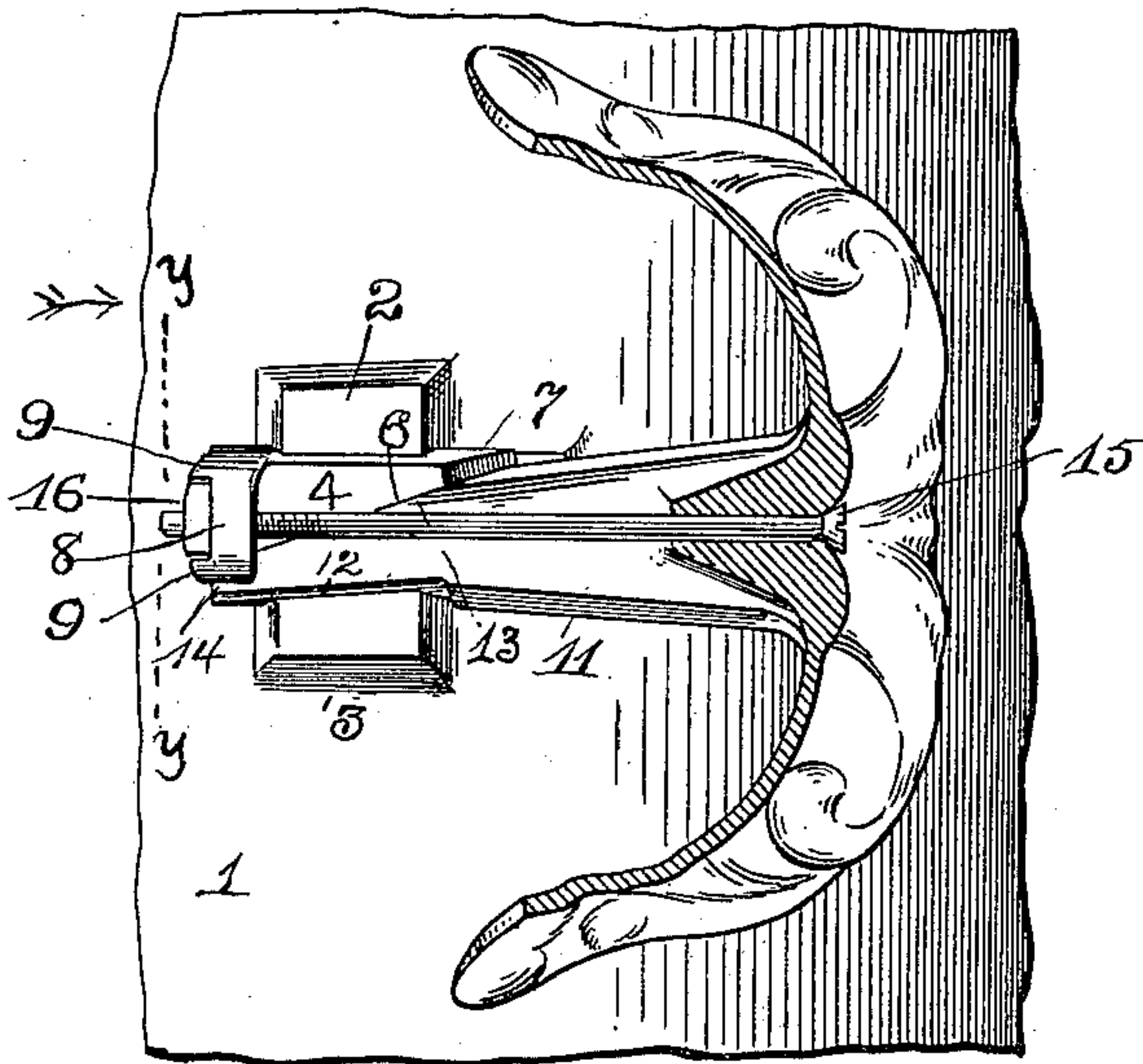
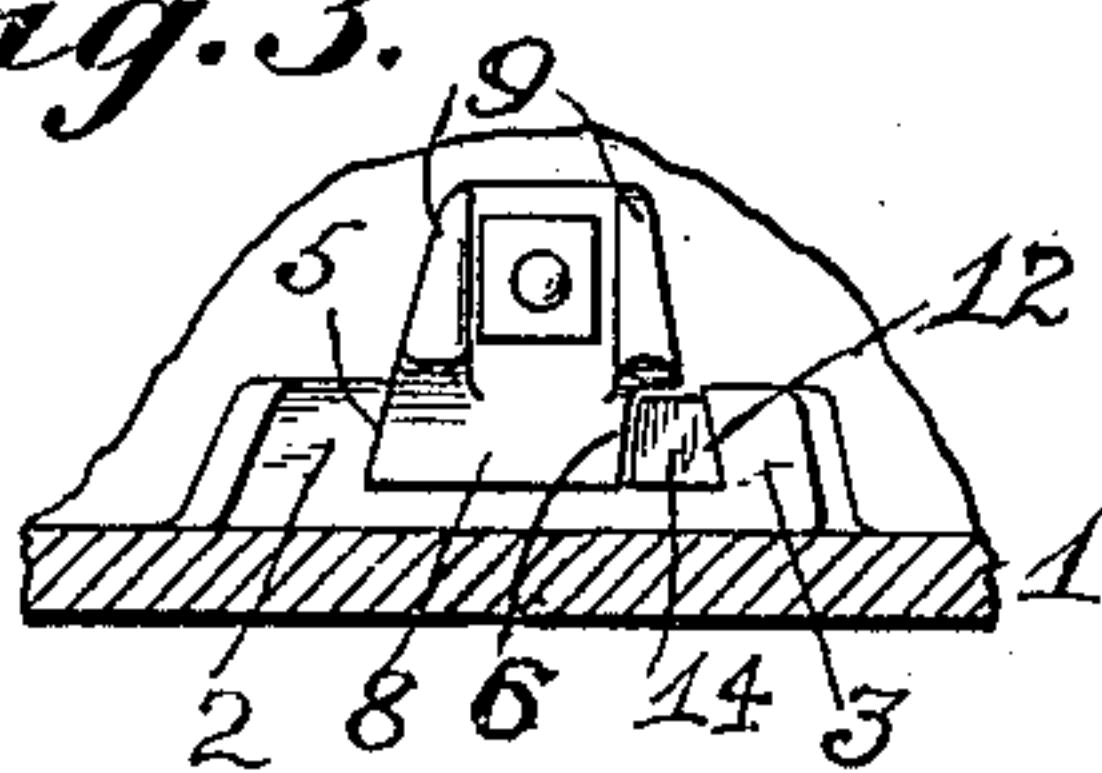


Fig. 3.



WITNESSES:

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ALMON G. WARD, OF WARREN, OHIO, ASSIGNOR TO DAY-WARD COMPANY
OF WARREN, OHIO, A CORPORATION OF OHIO.

BATH-TUB LEG.

SPECIFICATION forming part of Letters Patent No. 684,888, dated October 22, 1901.

Application filed April 10, 1901. Serial No. 55,150. (No model.)

To all whom it may concern:

Be it known that I, ALMON G. WARD, a citizen of the United States, residing at Warren, in the county of Trumbull and State of Ohio, have invented a new and useful Improvement in Bath-Tub Legs, of which the following is a specification.

This invention relates to legs for bath-tubs and means for adjustably securing legs to bath-tubs, the object of the invention being to provide improved, simple, and efficient means whereby the legs of a bath-tub may be rigidly but removably and adjustably secured to or removed from the tub in a minimum of time and with the expenditure of a minimum of labor.

With this object in view the invention consists in the improved construction, arrangement, and combination of parts hereinafter fully described and afterward specifically claimed.

In the accompanying drawings, Figure 1 is a sectional view through part of a bath-tub and a leg secured thereto by means constructed in accordance with my invention. Fig. 2 is a horizontal transverse sectional view of the same parts on a plane passing through the leg at the bolt-opening. Fig. 3 is a sectional view on the plane indicated by the broken line *y y* of Fig. 2 looking in the direction of the arrow.

Like numerals indicate the same parts in all of the figures of the drawings.

Referring to the drawings by numerals, 1 indicates a portion of a bath-tub, upon the under surface of which are formed or otherwise secured lugs 2 3, forming the side walls of dovetail grooves.

4 indicates a key having its outer side 5 cut to fit one of the lugs and its inner side 6 inclined, making the key of wedge form, with its thin edge outward, as at 7. At its inner end the key 4 is formed with a depending head 8, having vertical side flanges 9 9.

10 indicates a leg formed with a tongue 11, projecting inward into the dovetail groove by the side of the key, the outer side 12 of the tongue fitting against one of the lugs, as 3, and the inner side 13 inclined to correspond with the inclined inner side of the key, against which its rests, the tongue being thus made

wedge-shaped, with its thinner end inward, as at 14.

15 indicates a bolt passed through the leg from the outside and through the head 8 of key 4 into the space between the flanges 9, where it engages a nut 16, held from turning by said flanges.

The lugs 2 and 3 may be parallel with each other or inclined toward each other in either direction without altering the operation, which is as follows:

To secure the leg in position, the tub having been leveled up by any suitable means the nut 16 is loosened until (with the key against the nut) the combined thickness of the key and the tongue 11 is less than the width of the dovetail groove or space between the lugs. With the upper edge 17 of the leg under and in contact with the curved bottom of the tub and the tongue and key between the lugs the nut is tightened up by turning the screw 15 from the outside, thus pushing the key along the tongue 11 until it wedges the tongue tightly between the lugs and firmly secures the leg in its adjusted position. By means of this construction and arrangement of the parts the leg may be adjusted slightly in either direction to compensate for any slight roughness of the cast parts or any slight unevenness of the floor, such adjustment being limited in extent for the reason that too great an adjustment might cause the combined key and tongue to be tilted too far in either direction to properly engage between the lugs, it being necessary to slightly tilt the key and tongue with relation to the lugs whenever these parts are moved out of exact horizontal alinement with the bottom of the groove or space between the lugs. By means of this construction the variation which sometimes exists between the tongue and the lugs of the tub is compensated for without the necessity of grinding or filing the parts. The foot may be secured at any position necessary to properly level the tub, and after it is secured in place it cannot be jarred out.

The flanges on the head of the key not only serve to hold the nut in place so that it will not turn, but also prevent the workmen from putting a wrench on the nut and drawing it

so tight as to be in danger of breaking off the lugs or chipping the enamel off the tub.

Having thus fully described my invention, what I claim, and desire to secure by Letters

5 Patent of the United States, is—

1. A bath-tub-leg fastener comprising a pair of lugs secured on the tub forming a dovetail groove, a leg provided with a taper tongue adapted to enter said groove, a key adapted
10 to enter the groove by the side of the tongue and provided with a nut-seat, and a bolt passing through the leg and key-head and provided with a nut in the nut-seat of the key-head, substantially as described.

15 2. A bath-tub-leg fastener comprising a dovetail groove on the tub, a leg provided

with an inwardly-projecting tongue of wedge shape, a key having a wedge-shaped body, a downwardly-projecting head and vertical side flanges on said head, said tongue and
20 key adapted to fit the dovetailed groove, a nut located between the vertical flanges on the key-head, and a bolt passing through the leg and the key-head into said nut, substantially as described.

25 Witness my hand this 4th day of April, 1901, in the presence of two subscribing witnesses.

ALMON G. WARD.

Witnesses:

OWEN E. JAMES,
HUGH L. BARBER.