

April 5, 1932.

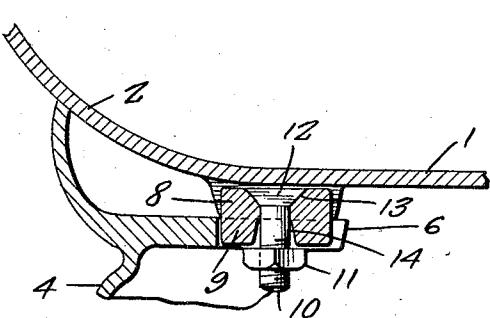
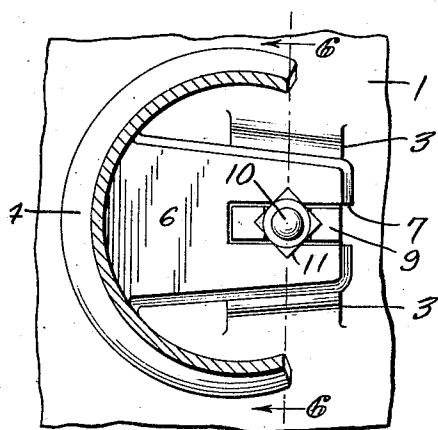
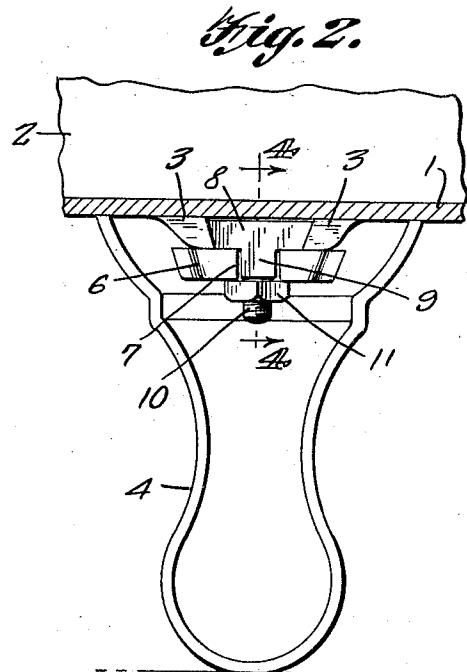
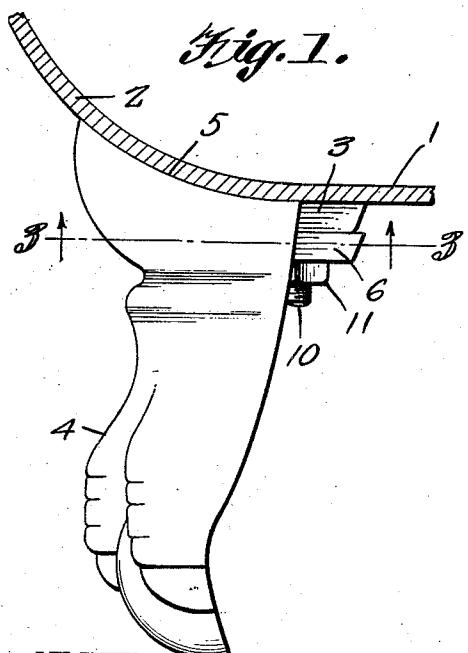
L. A. ROCKELEIN

1,852,901

BATHTUB ADJUSTABLE LEG

Filed March 9, 1931

2 Sheets-Sheet 1



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WITNESS:

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2 Sheets-Sheet 2

Fig. 5.

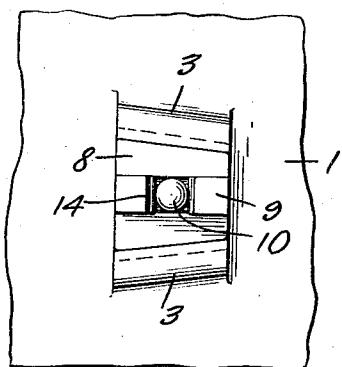


Fig. 6.

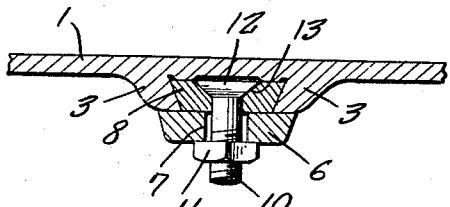


Fig. 7.

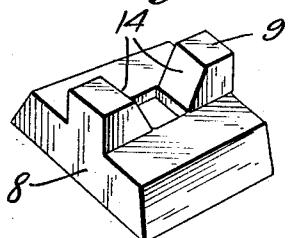


Fig. 8.

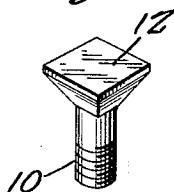


Fig. 9.

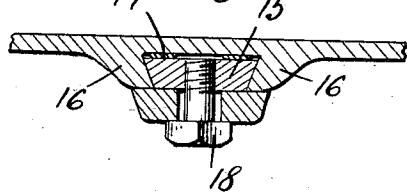
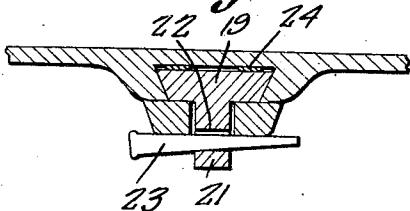


Fig. 10.



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UNITED STATES PATENT OFFICE

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BATHTUB ADJUSTABLE LEG

Application filed March 9, 1931. Serial No. 521,262.

My present invention has reference to a construction of bath tubs or other vessels supported on legs, and the object of the invention is the provision of simple means for fixedly and adjustably connecting the legs to the tub.

The invention will be fully and comprehensively understood from a consideration of the following detailed description when read in connection with the accompanying drawings which form part of the application with the understanding, however, that the improvement is capable of extended application and is not confined to the exact showing of the drawings nor to the precise construction described and, therefore, such changes and modifications may be made therefrom as do not affect the spirit of the invention nor exceed the scope thereof as expressed in the appended claims.

In the drawings:

Figure 1 is a side elevation of a leg attached to a bath tub in accordance with this invention, the tub being in section.

Figure 2 is a view looking toward the inner face of the leg.

Figure 3 is a sectional view approximately on the line 3—3 of Figure 1.

Figure 4 is a detail sectional view approximately on the line 4—4 of Figure 2.

Figure 5 is a detail inverted plan view of the portion of the bath tub provided with the lugs and the improved wedge.

Figure 6 is a sectional view approximately on the line 6—6 of Figure 3.

Figure 7 is a perspective view of the wedge block.

Figure 8 is a similar view of the bolt employed.

Figure 9 is a sectional view approximately similar to Figure 6 but illustrating a slight modification.

Figure 10 is a similar view illustrating a still further modification.

Ordinarily bath tubs and like vessels are formed, on their under face, with spaced lugs adjacent to their corners, the confronting walls of the lugs being inclined to form a dove-tailed groove therebetween and the

legs are formed with tongues to be received in the grooves.

Owing to unavoidable variations in the thickness of the tongues and grooves a projecting shoulder is frequently left at the joint between the leg and tub and it is very difficult to bring the leg and tub flush with each other, especially when force, such as a blow of a hammer is exerted on the leg which is usually porcelain coated, and such coating is liable to crack under the strain. With the ordinary construction it is not practical and possible to build a tub in a neat, smooth and continuous finish at the juncture of the leg and tub and it is the object of this invention to overcome the above recited objections.

The flat bottom 1 of a bath tub has its edges curved at the juncture of the sides thereof, the said curved portion being indicated in the drawings by the numeral 2. The under face of the bath tub 1, adjacent to the corners thereof, is cast with the usual depending spaced lugs 3, and the inner faces of these lugs are pointed to provide a wedge groove therebetween. The leg 4 for the bath tub has its upper and open end struck at a curvature to correspond with the curved portion 2 of the tub 1, as indicated in the drawings by the numeral 5. This end 5 provides a bearing for the leg 4. Below the curved bearing edge 7 of the leg, the same is cast with the usual tongue 6, the said tongue having its side walls tapered and provided, from its outer end, with a central longitudinal notch 7. The tongue is ordinarily received in the wedge groove provided between the lugs 3.

In carrying out my invention I provide a wedge block 8 designed to be received in the wedge groove afforded by the lugs 3. The body of the wedge block is centrally formed with a depending rib 9 of a size to be snugly received in and to contact with the side walls afforded by the notch 7. The rib 9 is formed with a depending threaded stem 10 on which is screwed a nut 11 that bridges the notch 7 and the tongue 6 and frictionally contacts with the under face of the said tongue.

By this simple means it will be apparent that the leg 4 may be vertically adjusted with respect to the tub 1 and effectively held in such

adjusted position so that the leg will properly rest on the floor surface and will properly engage with the curved side 2 of the tub 1 when the rib 9 of the wedge block is wholly or partly received in the notch 7 of the tongue 6.

Preferably, and as disclosed by the drawings the bolt 10 is separable from the lug 3, the said bolt having a tapered head 12 that is received in a tapered socket or depression 13 in the wedge block, and the rib 9 is centrally cut-away and has its confronting faces inclined outwardly, as indicated by the numerals 14 in the drawings. This insures a free passage of the bolt through the confronting faces of the rib of the wedge and likewise affords a freer passage of the walls afforded by the notch 7 between the sides of the rib 9.

In Figure 9 the wedge block 15 is received in the wedge opening between the lugs 16 of the bath tub and is engaged by a compressible washer 17. The wedge is held in the wedge groove by a headed bolt 18 which is screwed in the under face of the wedge.

In Figure 10 the wedge block 19 is inserted in the wedge groove afforded by the lugs on the bath tub and is provided with a depending rib 21 that has a transverse slot or opening 22 therethrough for the passage of a nail or like tapered element 23. In this instance the wedge block also contacts with the compressible washer 24 that is arranged in the wedge groove.

It is thought the foregoing description when read in connection with the accompanying drawings will fully and clearly set forth the construction and advantages of the improvement to those skilled in the art to which such invention relates so that further detailed description will not be required.

My improvement it is to be understood is not necessarily restricted to use in connection with bath tubs, but the same may be employed as leg supports for other articles. Also the constructions disclosed by Figures 7 and 8 of the drawings may be made of a single piece if desired or found necessary.

Having described the invention, I claim:

1. A means for adjustably connecting a leg to a bath tub in which the tub is provided with spaced depending lugs affording a wedge groove therebetween and the leg has a projecting tongue having flared sides which are normally received in the wedge groove and which tongue, from its outer end, is centrally formed with a longitudinal slot, said means comprising a wedge block inserted in the wedge groove, and having an element depending therefrom to be received in the slot of the tongue of the leg.

2. A means for adjustably connecting a leg to a bath tub in which the tub is provided with spaced depending lugs affording a wedge groove therebetween and the leg has a projecting tongue having flared sides which

are normally received in the wedge groove and which tongue, from its outer end, is centrally formed with a longitudinal slot, said means comprising a wedge block inserted in the wedge groove, and having an element depending therefrom to be received in the slot of the tongue of the leg and means carried by the wedge block, adjustable thereon and designed to frictionally contact with the under face of the tongue.

3. A means for adjustably connecting a leg to a bath tub in which the tub is provided with spaced depending lugs affording a wedge groove therebetween and the leg has a projecting tongue having flared sides which are normally received in the wedge groove and which tongue from its outer end, is centrally formed with a longitudinal slot, said means comprising a wedge block to be received in the wedge groove, a rib projecting from the wedge block to be received in the slot of the tongue, and a bolt member carried by the wedge block and having a nut screwed thereon for contacting with the under face of the tub.

4. A means for adjustably connecting a leg to a bath tub in which the tub is provided with spaced depending lugs affording a wedge groove therebetween and the leg has a projecting tongue having flared sides which are normally received in the wedge groove and which tongue, from its outer end is centrally formed with a longitudinal slot, said means comprising a wedge block to be received in the wedge groove, a rib on the under face of the wedge block received in the slot of the tongue, said rib comprising two confronting members whose faces are inclined in opposite directions and the wedge block having a tapered opening therein, a bolt having a tapered head to be received in the opening and having its shank passing between the rib sections and said bolt being engaged by a nut which frictionally contacts with the under face of the tongue.

In testimony whereof I affix my signature.

LAURENCE A. ROCKELEIN.