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F. G. BROTZ

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BATHTUB SUPPORT

Filed Aug. 11, 1930

FIG. 1

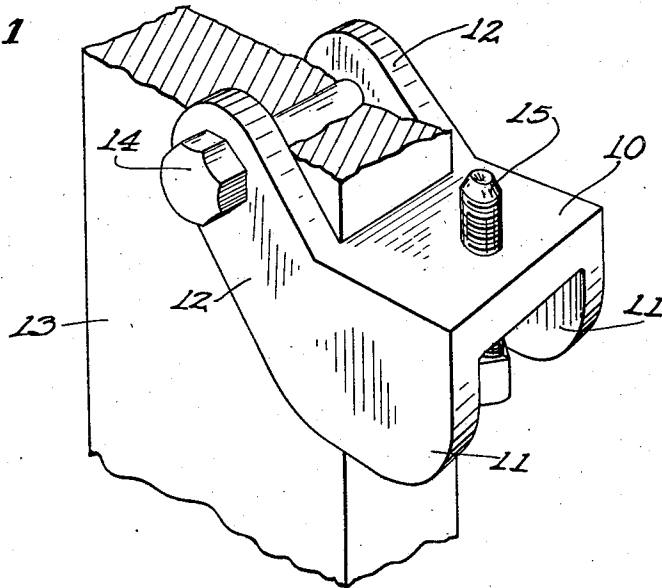


FIG. 2

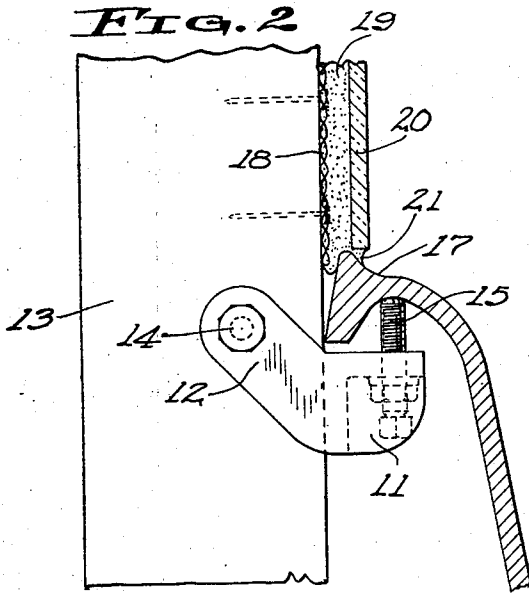
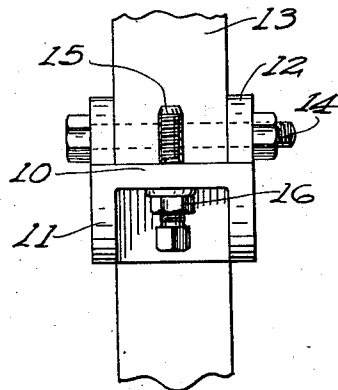


FIG. 3



WITNESSES

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BATHTUB SUPPORT

Application filed August 11, 1930. Serial No. 474,427.

This invention has for its object to provide a support for a bathtub, which support is mounted on the studding, whereby the weight of the bathtub and its contents will be borne directly by the studding, which also supports the plastering or tiling, thereby insuring against relative displacement, which would cause a crack to occur between the plastering or tiling and the rim of the tub.

It is well known that bathtubs supported on the floor as usual settle with the shrinkage of the floor joists and consequently open up the joint between the tub rim and plaster or tiling, permitting water to pass behind the tub to cause damage to the ceiling and walls below, particularly when a shower is used. The purpose of the present invention is to prevent such damage by supporting the tub on the studding, which at the same time supports the plastering or tile, thereby making the separation impossible, avoiding the crack or opening and maintaining a tight sealing joint indefinitely.

I am aware of previous efforts to prevent the damage referred to by the use of elastic sealing material such as tar contained in a sheet metal gutter attached to the studding, such as covered by Patent No. 1,615,881 to William B. Lucke, February 1, 1927. This, however, is a connecting means "expandable for accommodating relative movement between the wall and tub, and to seal with elastic material which will at all times prevent leakage of water past the joint". The present invention, however, has for its object to prevent relative movement between the wall and tub and so prevent the opening of the joint and make the use of an expandable packing unnecessary.

With the above and other objects in view the invention consists in the bathtub support as herein claimed and all equivalents.

Referring to the accompanying drawings, in which like characters of reference indicate the same parts in different views,

Fig. 1 is a perspective view of a bathtub support constructed in accordance with this invention attached to a studding;

Fig. 2 is a side view thereof showing its

relation to the tub rim and the tile and plaster, and

Fig. 3 is a front view thereof.

In these drawings, 10 indicates an angle bracket provided with side cheeks 11 having upwardly and rearwardly extending parallel extension arms 12 to fit on opposite sides of an upright studding 13. When properly fitted to the studding the vertical rear face of the angle bracket 10 bears flat against the edge of the studding and the ends of the arms 12 extend a considerable distance above the level of the horizontal top surface of the angle bracket. Openings are provided in the ends of the arms through which a bolt 14 is passed as well as through a hole bored through the studding, thus securely anchoring the bracket in place as a stirrup in such a way that weight supported by the bracket presses the flat rear face thereof against the edge of the studding. The support of the bracket by means of the bolt set well back from the edge of the studding and by means of the broad bearing surface contact between the rear face of the bracket and the edge of the studding is such as to be unyielding to pressure under any weight to which the bracket may be subjected in use.

Threaded vertically through the horizontal member of the angle bracket is a set screw 15, preferably with a square head and provided with a lock nut 16 for locking it in its adjustments. The head of the screw and the lock nut are between the cheek members 11 and consequently are reached for adjusting the screw and locking it in its adjustments by means of socket wrenches, not shown.

With the tub support of this invention the brackets are bolted in place on the studs, preferably with a bracket on each stud of the adjacent walls, and the bathtub is placed in position with its rim 17 engaged on the upstanding ends of the set screws 15. Said set screws are then adjusted by reaching between the studding and around the rim, for there is no lathing on the studding at this time. By means of the set screws the tub rim is raised or lowered to level the tub and when the proper adjustment is made with all set screws bearing on the tub rim, they are locked

in such adjustments by tightening the lock nuts. The lathing 18 is nailed to the studding as usual and the plastering 19 is applied thereto with or without the tiling 20, but the joint 21 with the beaded edge of the tub rim is incapable of opening to admit water however much the floor joists may shrink because the weight of the tub is supported by the same studding that supports the tile and/or plaster. In this manner relative movement between the tub and the wall is made impossible and leakage of water around the tub is prevented.

What I claim as new and desire to secure by Letters Patent is:

A bathtub support comprising an angle bracket, side cheeks thereon having upwardly and rearwardly projecting extensions, a bolt passing through the ends of the extensions and adapted to pass through a studding for clamping the angle bracket to the studding with the vertical rear face thereof in contact with the edge of the studding, and a set-screw threaded through the horizontal portion of the angle bracket with its upwardly projecting end adapted to engage beneath the rim of the bathtub.

In testimony whereof, I affix my signature.
FRANK G. BROTZ.

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