May 7, 1929. J. EGGERS 1,712,202

BATHTUB SUPPORTING MEANS

Filed May 17, 1928

Fig. 1.

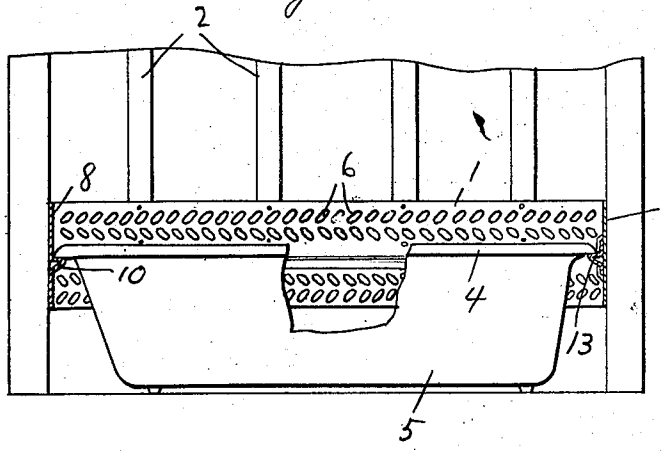
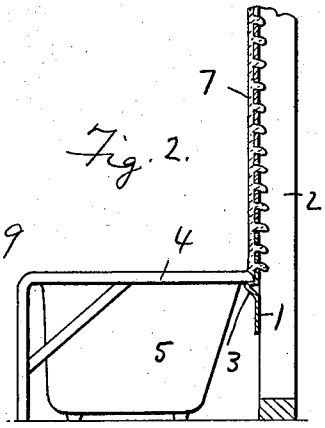


Fig. 2.



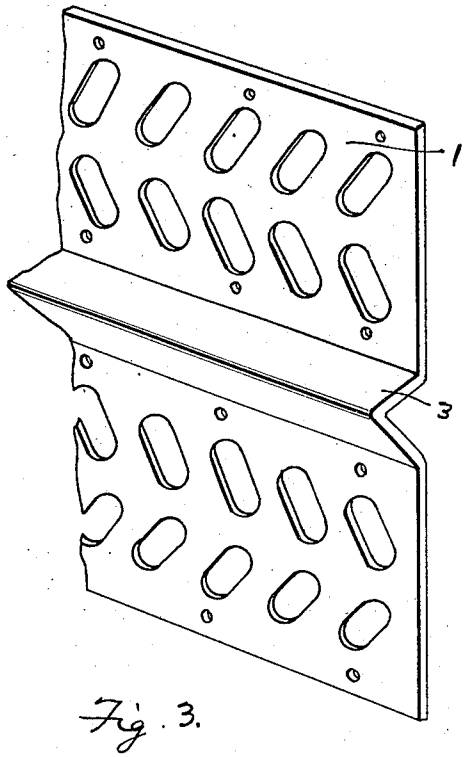


Fig. 3.

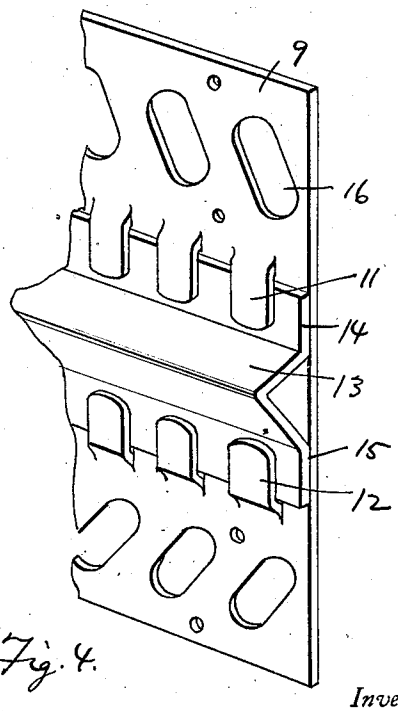


Fig. 4.

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Patented May 7, 1929. 1,712,202

UNITED STATES PATENT OFFICE.

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BATHTUB-SUPPORTING MEANS.

Application filed May 17, 1928. Serial No. 278,377.

The present invention relates to improvements in supports, and has reference more particularly to a means for supporting a built in iron bath tub.

It is a well known fact that built in iron bath tubs frequently sag at the wall within a short time after the bath tub has been installed. It is therefore one of the primary objects of the present invention to provide a support for the bath tub which will prevent such sagging, the support being further of such construction as to afford a better bond for the plaster that is applied to the walls of the bathroom.

A further object is to provide a bath tub supporting means that is adapted for engagement with the rim of the bath tub along its inner side as well as at its ends, one of the end supports including a removable section to facilitate the installation of the bath tub, said removable section being inserted after the tub has been installed in its proper position.

A further object is to provide a bath tub supporting means which is simple in construction, inexpensive, strong and durable and further well adapted to the purpose for which it is designed.

Other objects and advantages of the invention will become apparent from the following description when taken in connection with the accompanying drawing.

In the accompanying drawing wherein like reference characters indicate corresponding parts throughout the same:

Figure 1 is a view showing the bath tub supporting means secured on the studding and showing the perforated plates before the plaster is applied to the wall.

Figure 2 is a vertical sectional view showing the plaster covered plate that supports the rim at the inner side tub, and showing the forwardly projecting ledge formed on said plate for engagement with the rim of the bath tub.

Figure 3 is a fragmentary detail perspective view of the rear plate, and

Figure 4 is a similar view of one of the end plates showing the removable ledge member positioned thereon.

In the drawing wherein for the purpose of illustration is shown the preferred embodiment of my invention, the numeral 1 designates the back plate forming a part of the bath tub supporting means, the same being formed of sheet metal, and being of a length equivalent to the length of the bath room.

This plate is secured to the spaced studdings 2 by any appropriate fastening means.

While I have mentioned the fact that the plate 1 is of a length equivalent to the length of the room in which the bath tub is to be placed, it is to be understood that said plate may be also constructed of such size as to enable a plurality of these plates to be secured to the front face of the spaced vertical studdings.

The plate is formed at its central portion with the longitudinally extending forwardly projecting ledge 3 which is substantially V-shaped in cross section, and this ledge is adapted to engage with the under side of the rim 4 of the bath tub 5 along the inner side thereof, as indicated in Figure 2.

The plate 1 on opposite sides of the rim engaging ledge 3 is formed with a series of plaster receiving openings 6 whereby said plate will form a better bond for the plaster that covers the rear wall of the bath room and the manner in which the plaster 7 fills the openings 6 is shown very clearly in Figure 2.

The bath tub supporting means further includes a pair of end plates, designated by the numerals 8 and 9, respectively. The end plate 8 is similar in construction to the back plate 1 in that it is formed with a laterally extending ledge 9 for engagement with the rim 4 of the bath tub at one end, and this plate 8 is secured to the end forming wall or studding, and it is also to be understood that the end plate 8 is formed with plaster receiving openings for the same purpose as the openings 6 formed in the back plate 1.

The other end plate 9 does not have a V-shaped ledge stamped outwardly therefrom, but is formed with the outwardly stamped tongues 11, these tongues being arranged in pairs, and two rows of these tongues are provided.

The upper row is designated by the numeral 11 while the lower row is designated by the numeral 12, and these tongues are struck out from the intermediate portion of the plate 9, and provide a means for receiving the removable ledge forming sections 13, which is of V-shaped design in cross section and the ends of the arms thereof are disposed laterally in opposite directions as at

14 and 15 respectively for cooperation with the upper and lower rows of outwardly stamped tongues 11 and 12.

The plate 9 which is secured to the end wall of the bath room is formed with the plaster receiving openings 16 adjacent the upper and lower edge portion thereof so that when this plate is secured to the studding, the openings will receive some of the plaster to provide a bond therefor.

Prior to the installation of the bath tub 5, the plates 6, 8, and 9 are secured in proper position and the ledge section 13 is removed from between the rows of tongues 11 and 12 so that the bath tub can be properly positioned in the bath room. The plates are coated with one coating of plaster, after which the tub 5 is set in position so that the inner sides of the bath tub will have its rim resting on the ledge 3, while one end portion of the rim rests on the ledge 10 of the plate 8. After the tub has been properly positioned, the ledges 6 and 13 are then slid into position on the plate 9 between the upper and lower rows of tongues so that the other end portion of the rim will rest on the ledge 13 as shown in Figure 1. The walls will then be finished, and the major portion of the bath tub supporting members will be concealed beneath the plaster, but will properly support the bath tub against sagging. Also the plates will reinforce the wall structure, and when a plumber must make repairs to the water mains associated with the bath tub, the supporting means for cooperation with the rim of the tub will not be affected.

While I have shown the preferred embodiment of my invention it is to be understood that minor changes in the size, shape, and arrangement of parts may be resorted to without departing from the spirit of the invention, and the scope of the appended claims.

Having thus described the invention, what I claim as new and desire to secure by Letters Patent is:—

1. In a means for supporting a bath tub against sagging, plates secured to the back and end walls of the bath room in which the bath tub is placed, and rim supporting ledges carried by the plate.

2. In a means for supporting a bath tub against sagging, plates secured to the back and end walls of the bath room in which the bath tub is placed, rim supporting ledges carried by the plate, each of said plates being formed with a series of plaster receiving openings.

3. In a means for supporting a bath tub in a bath room against sagging, back and end plates adapted to be secured to the studding of the back and end walls respectively of the room, inwardly projecting ledges on the respective plates for engagement with the under side of the rim of the bath tub at the inner side and ends thereof, the ledge associated with one end plate being removable.

4. In a means for supporting a bath tub in a bath room against sagging, back and end plates adapted to be secured in the studding of the back and end walls respectively of the room, inwardly projecting ledges on the respective plates for engagement with the under side of the rim of the bath tub at the inner side and ends thereof, the ledge associated with one end plate being removable, and means for supporting the removable ledge on the last mentioned end plate.

5. In a means for supporting a bath tub in a bath room against sagging, back and end plates adapted to be secured to the studding of the back and end walls respectively of the room, inwardly projecting ledges on the respective plates for engagement with the under side of the rim of the bath tub at the inner side and ends thereof, the ledge associated with one end plate being removable, each of said plates being provided with a series of plaster receiving openings.

In testimony whereof I affix my signature.

JOHN EGGERS.