Jan. 17, 1939. W. S. C. GLOVER 2,144,183

DRAINING BOARD FOR SINKS

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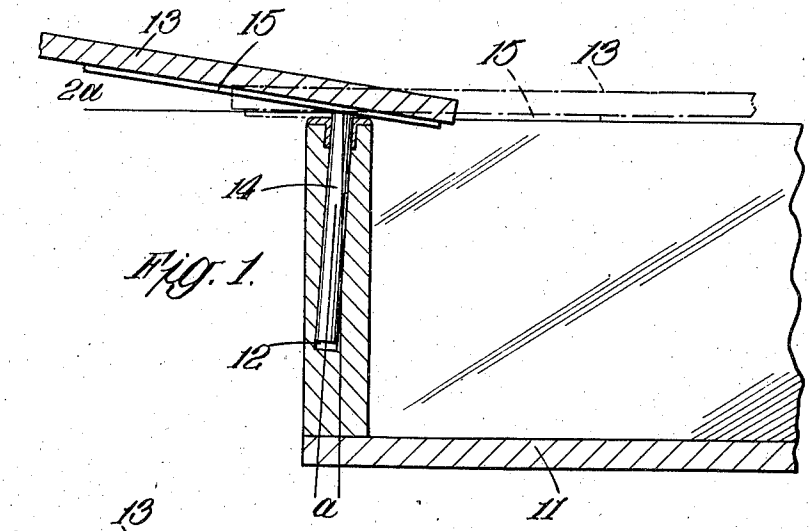


Fig. 1.

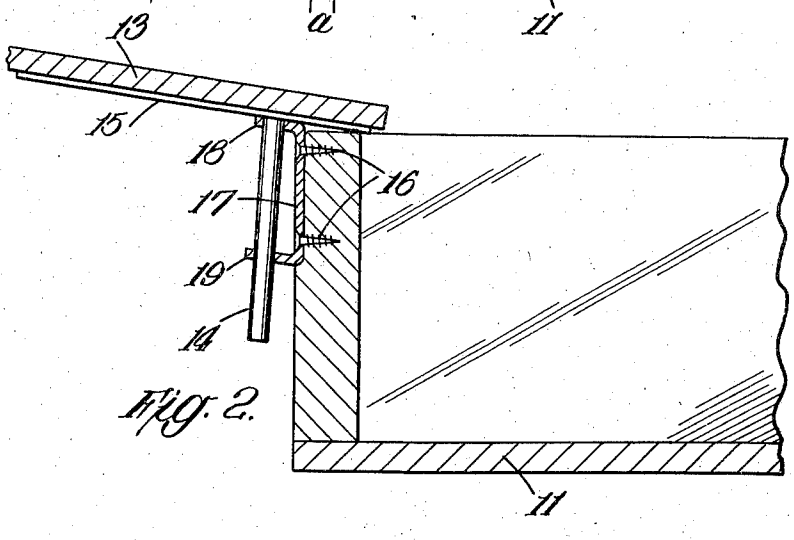


Fig. 2.

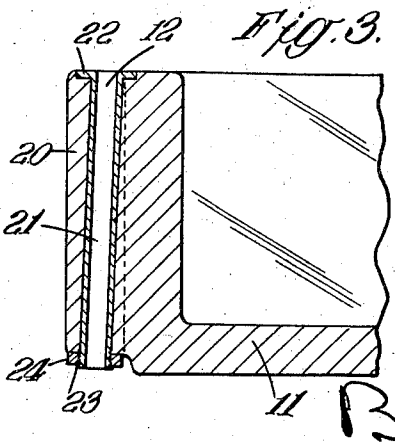


Fig. 3.

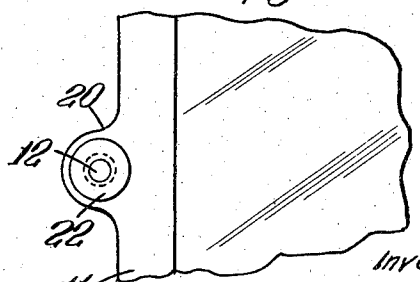


Fig. 4.

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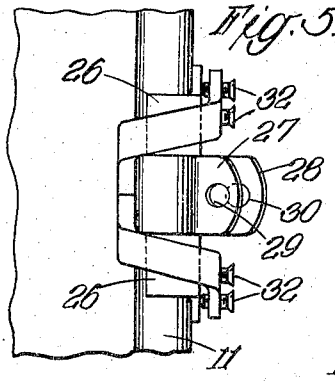
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Fig. 5.



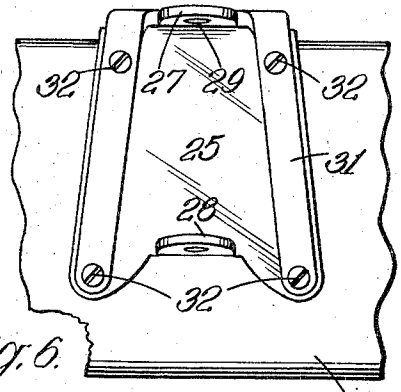


Fig. 6.

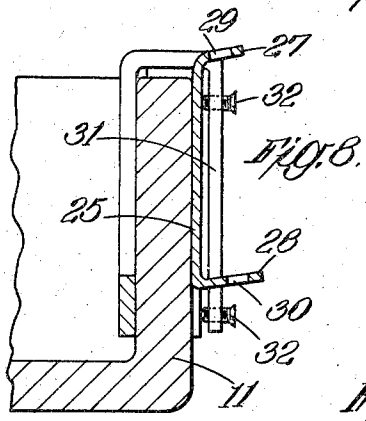


Fig. 8.

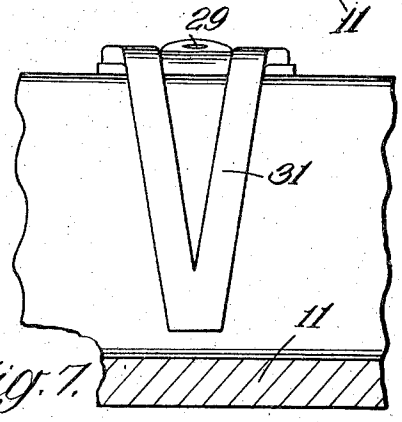


Fig. 7.

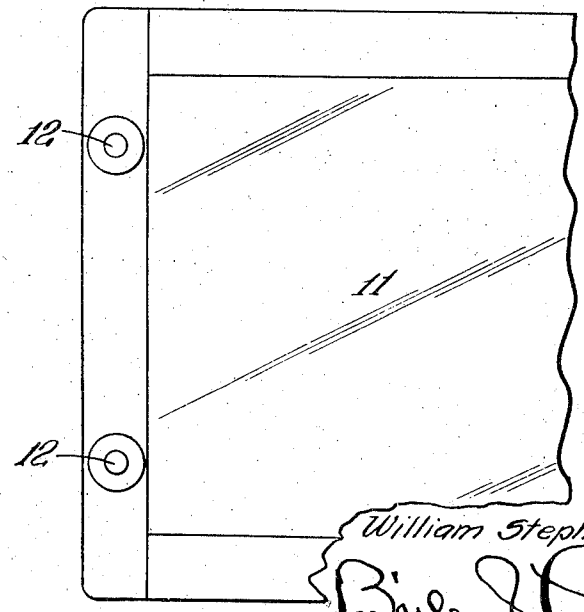


Fig. 9.

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UNITED STATES PATENT OFFICE

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DRAINING BOARD FOR SINKS

William Stephen Cox Glover, Seaford, England

Application April 23, 1938, Serial No. 203,905
In Great Britain April 22, 1937

6 Claims. (Cl. 4—189)

This invention relates to sinks and sink boards therefor, and has for its object to enable sink boards to be used in cases where the sink is so located, relatively to adjacent structural features that the usual sink board cannot be fitted as a permanent fixture in the usual manner.

To this end, the invention consists in the improved method of mounting a sink board relatively to a sink according to which a sink board is provided with one or more pins extending from the underside thereof, and near one end thereof, the axis of said pin, or of each pin, being set, laterally, at right angles to the plane of the board and, longitudinally, at an angle which differs from a right angle by half the inclination to the horizontal of the sink board when the latter is in use, whilst the sink is provided with one or more similarly inclined sockets for receiving said pin or pins. By this method, a sink board is arranged to extend laterally of the sink in the usual manner or to overlie the sink, at will. Each socket may be formed in the body of the sink and is preferably provided, especially if the sink be of porcelain, with a bush, e. g., of metal, or if the sink be of wood or metal, the socket may be formed in a bracket which may be screwed to the sink. Alternatively, the socket may be formed in a member adapted to hook over the end of the sink and clamped thereto. In some cases, however, the socket may be formed in a metal plate which is held against the sink by means of a clamp constituting a separate element.

Various forms of the invention will now be described by way of example with reference to the accompanying drawings of which Figure 1 is a fragmentary section of one end of a sink and sink board illustrating one form of the invention; Figures 2 and 3 are similar views of modifications; Figure 4 is a fragmentary plan of the form of the invention shown in Figure 3, the sink board being omitted; Figures 5, 6, 7 and 8 are a plan, front elevation, rear elevation and central section, respectively showing an attachment which may be clamped in position upon a sink and which presents a socket, whilst Figure 9 is a plan of a modification of the invention.

As shown in Figure 1, the end of a sink 11, which may be of wood, is formed with a socket 12 which may, if desired, be lined with a metal sleeve, the axis of the socket 12 being offset from the vertical by an angle a. A sink board 13 has mounted at its under surface a pin 14 which is set, laterally, at right angles to the board 13, and, longitudinally at an angle which differs from a right angle by the angle a. The pin 14 may be integral with a plate or the like 15 which lies flat against the under surface of the sink board 13.

When the board 13 is mounted in position, the pin 14 is received in the socket 12.

The arrangement is such that in the position of use shown in Figure 1, the sink board 13 is inclined to the horizontal by an angle equal to $2a$ whilst, it can be swung about the pin 14 through an angle of 180° to lie in a horizontal plane covering the sink 11.

In the modification shown in Figure 2, 11 indicates a wooden or metal sink to which there is secured by screws 16 a bracket 17 having outwardly extending arms 18, 19, which are apertured to give passage to the pin 14 of the sink board 13. The apertures are relatively located so that the socket for the pin 14 formed by said apertures, and the pin 14 itself are angularly offset in the manner described with reference to Figure 1.

Figures 3 and 4 show a further modification in which the sink 11 is of porcelain, and is formed with an enlargement 20 in which is formed the socket 12 which may be lined with a metal sleeve 21 formed at its upper end with a flange 22 and screw threaded at its lower end as at 23. The sleeve 21 may be secured in position by a nut 24 engaging with the screw threads at 23.

Figures 5, 6, 7 and 8 show a device which may be clamped to a sink and present a socket. As shown, a metal plate 25 is formed with tabs 26 extending at right angles thereto and with outwardly directed lugs 27, 28 formed with apertures 29, 30 respectively, which apertures together constitute a socket to receive the pin 14 of the sink board 13. The plate 25 is positioned on the sink 11 as shown in the drawings, and a U-member 31 is caused to straddle the plate 25, and the end of the sink 11; screws 32 are then tightened to press the plate 25 firmly against the end of the sink 11 and to clamp the whole in position.

It will be appreciated that this device enables a sink board to be used with any sink.

In the modification shown in Figure 9, two sockets 12 are formed in the sink 11 and the sink board carries two pins similar to that shown at 14 in Figure 1 and which are received in the sockets 12. With this form of the invention, when the sink board 13 is not required for use, it may be removed, turned through 180° and replaced, so that it overlies the sink 11, by reinserting the pins in the sockets 12. Similarly a plurality of pins may be employed with the other forms of the invention.

If desired, a flange may be provided on the pin

14 to limit its axial movement into the socket 12 and, where the sink board 13 has one pin 14 only, the flange and an adjacent part may be serrated to prevent any tendency of the sink board to swing about the axis of its pin.

I claim:

1. In combination with a drain board, mounting means for said drain board capable of permitting the same to occupy two reversed positions including at least one member projecting from the lower side thereof at an acute angle which differs from a right angle by one-half the angle which said board is adapted to make with the horizontal when in one of said positions, an element having a socket therein for receiving said member, and means to mount said element with said socket inclined from the vertical by the same angular difference as said projecting member, whereby in the first of said positions said drain board will be inclined while in the other position it will be horizontal.

2. In a device as claimed in claim 1, said element comprising a sink in which said socket is formed.

3. In a device as claimed in claim 1, said element comprising a sink in which said socket is formed, and a metal bushing in said socket.

4. In a device as claimed in claim 1, said last means comprising means to secure said element to a sink.

5. In combination with a drain board, mounting means for said drain board capable of permitting the same to occupy two reversed positions including at least one plate secured to the bottom of said drain board, a pin integral with said plate and extending therefrom at an acute angle which differs from a right angle by one-half the angle which said board is adapted to make with the horizontal when in one of said positions, a member having a socket therein for receiving said pin, and means to secure said member to a sink with said socket inclined from the vertical by the same angular difference as said projecting member, whereby in the first of said positions said drain board will be inclined while in the other position it will be horizontal.

6. In a device as claimed in claim 1, said member being turnable in said socket.

WILLIAM STEPHEN COX GLOVER.