Sept. 22, 1931. W. J. REEVES 1,823,915

SINK SUPPORTING FRAME

Filed Oct. 9, 1929

Fig. 1.

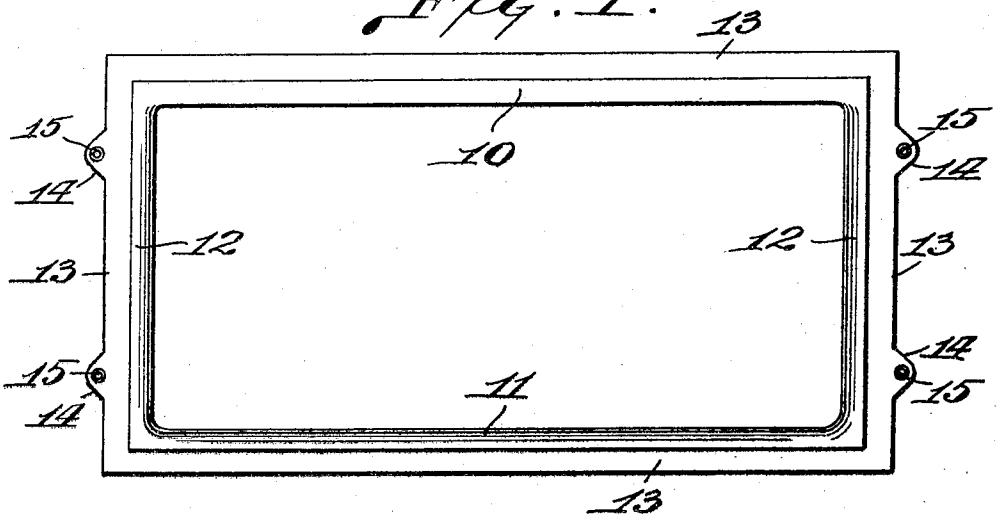


Fig. 2.

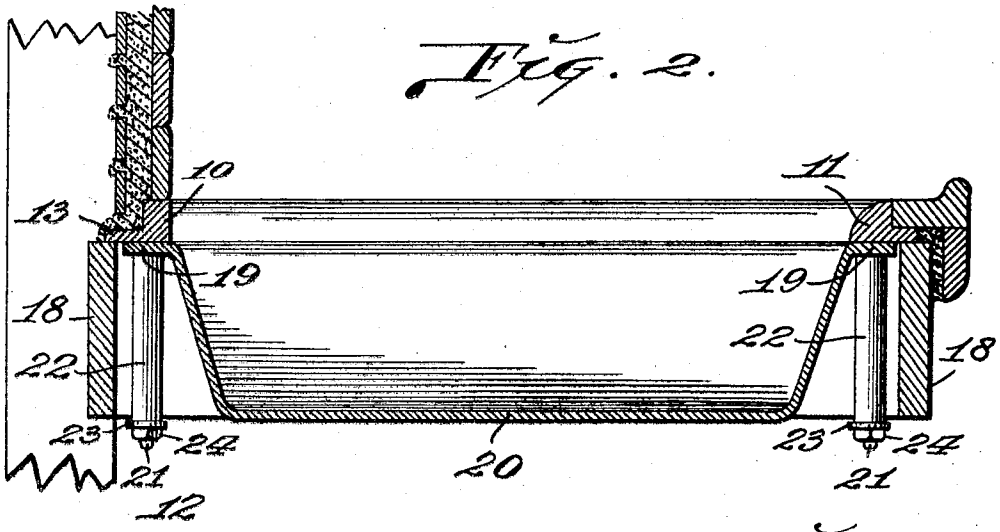


Fig. 3.

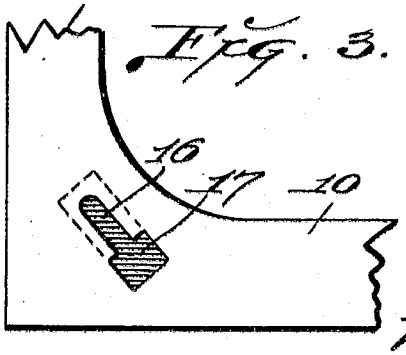
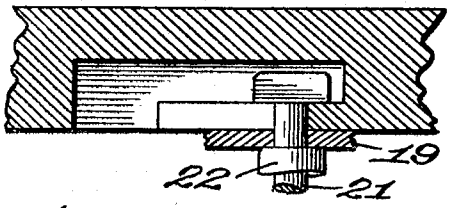


Fig. 4.



INVENTOR,
WALTER J. REEVES.
By Martin & Smith ATTY.

Patented Sept. 22, 1931 1,823,915

UNITED STATES PATENT OFFICE

WALTER JOHN REEVES, OF GLENDALE, CALIFORNIA

SINK SUPPORTING FRAME

Application filed October 9, 1929. Serial No. 398,347.

My invention relates to a sink supporting frame and more specifically to a frame that is utilized for supporting sinks that are finished with tile and the principal object of my invention is, to provide a sink supporting frame that may be conveniently employed with tile finished sinks and which will firmly support the sink and at the same time permit the latter to be readily detached from the frame, thereby facilitating repairs or replacement in the event that the upper surface of the sink becomes discolored, chipped or broken so as to render it unsightly and unfit for service.

A further object of my invention is, to construct the sink supporting frame in a single piece, preferably of cast metal that is coated with enamel so as to match the tile finish of the sink that is supported from the frame, thereby providing a strong and substantial support for the sink that is connected to and suspended from said frame.

A further object of my invention is, to provide a sink supporting frame that is relatively simple in construction, inexpensive of manufacture and which may be readily installed for use.

With the foregoing and other objects in view, my invention consists in certain novel features of construction and arrangement of parts that will hereinafter be more fully described and claimed and illustrated in the accompanying drawings, in which:

Fig. 1 is a top plan view of a sink supporting frame constructed in accordance with my invention.

Fig. 2 is a cross sectional view of a sink and showing my improved supporting frame installed therein.

Fig. 3 is a view looking against the underside of one of the corners of the supporting frame and showing the bolt head receiving recess therein.

Fig. 4 is a detail sectional view through the corner of the supporting frame and showing the head of one of the sink connecting bolts seated in said frame.

The sink supporting frame contemplated by my invention is preferably cast in a single piece from metal and said frame comprises a rear rail 10, a front rail 11 and end rails 12. The front and rear rails are substantially longer than the end rails and the rear rail 10 is substantially square or rectangular in cross section while the front and end rails have their upper inner corners rounded to provide curved faces and thus said front and end rails are substantially quarter round in cross section.

Formed integral with and projecting outwardly from the lower portions of the front, rear and end rails are horizontally disposed flanges 13 and formed integral with and projecting outwardly from the flanges are ears 14 in which are formed apertures 15 for the reception of screws or like attaching devices.

Formed in the underside of the frame at the corners thereof are slots or recesses 16 that are substantially T-shape in cross section, so as to receive the heads of bolts and at one end of each slot is formed an opening 17 that permits the square head of a bolt to be positioned in the slot.

When my improved sink supporting frame is installed, the outer portions of the flanges 13 and the ears 15 on the end flanges rest directly on top of a rectangular frame 18 that supports the top of the sink structure and to securely anchor the sink supporting frame on the wooden frame 18 screws or like fastening devices may be inserted through the perforated ears and which screws are imbedded in the end members of the wooden frame.

The horizontally disposed flange 19 that projects outwardly from the upper portion of the sink 20 is now positioned against the underside of the frame comprising the rails 10, 11 and 12 and the heads of bolts 21, after being inserted through the opening 17 are moved lengthwise to the ends of the slots 16 opposite the ends with which the openings 17 communicate and which bolts pass through suitably located openings in the flange 19.

The length of the bolts 21 are substantially equal to the depth of the sink 20 and arranged on said bolts beneath the flanges 19 are tubular spacing members 22 and located on the lower threaded ends of the bolts below the spacing members 22 are washers 23 and nuts 24.

By utilizing bolts that have a length sub-

stantially equal to the depth of the sink, the nuts 24 on the lower ends of said bolts are readily accessible and may be conveniently engaged by a wrench when removed in order to permit the sink to be disconnected from or connected to its supporting frame. Thus it will be seen that my improved sink supporting frame is constructed and mounted in the sink structure so that the body of the sink may be easily and quickly removed from or applied to said frame without disturbing or tearing away any portion of the sink structure and thus it is possible to conveniently renew and repair the sink in the event that its enameled surface becomes discolored, chipped or broken.

After the supporting frame has been properly positioned upon the frame 18, the tile forming the wall immediately back of the sink are laid directly on top of the rectangular rear rail 10 and the tile forming the upper surface of the sink structure to the sides of the frame and the finish rail immediately in front of the frame are laid directly upon the flanges 13 that project from the front and end rails with the upper surfaces of the tile flush with the upper surfaces of said front and end rails, thus giving the entire sink structure the desired finished appearance.

Thus it will be seen that I have provided a sink supporting frame that is strong and durable in construction, inexpensive of manufacture and very effective in performing the functions for which it is intended.

It will be understood that minor changes in the size, form and construction of the various parts of my improved sink supporting frame may be made and substituted for those herein shown and described without departing from the spirit of my invention, the scope of which is set forth in the appended claims.

I claim as my invention:

1. As a new article of manufacture, a sink supporting frame cast in a single piece from metal and comprising front, rear and side rails, flanges projecting outwardly from the lower portions of said front, rear and end rails and perforated ears projecting outwardly from the flanges on said end rails.

2. A sink supporting member, comprising a frame formed in a single piece and means on the underside of said frame for receiving and anchoring bolt heads.

3. A sink supporting frame, comprising a front rail, a rear rail, end rails, the ends of which end rails are integrally connected to said front and rear rails, flanges projecting outwardly from the lower portions of all of said rails and bolt head receiving recesses formed in the underside of said frame.

4. A sink supporting frame comprising a front rail, a rear rail and end rails, which rails are substantially L-shaped in cross section, with the horizontal flanges outwardly presented and said frame being provided in its underface adjacent to its corners with undercut bolt head receiving slots.

5. A sink supporting frame comprising a front rail, a rear rail and end rails, which rails are substantially L-shaped in cross section, with the horizontal flanges outwardly presented, said frame being provided in its underface adjacent to its corners with undercut bolt head receiving slots and perforated ears projecting outwardly from the flanges on the end rails.

In testimony whereof I affix my signature.

WALTER JOHN REEVES.