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2,629,880

SINK BOWL

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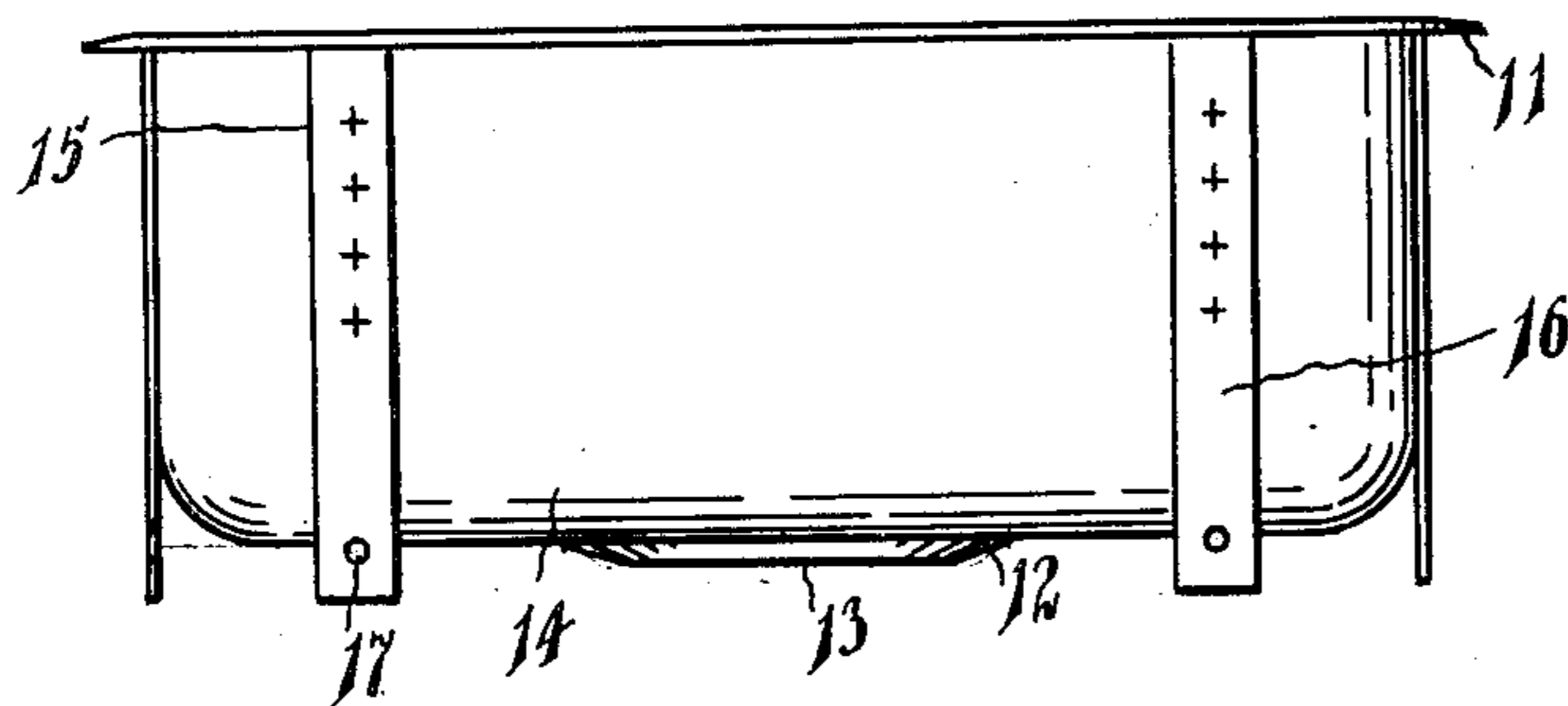


FIG. 1.

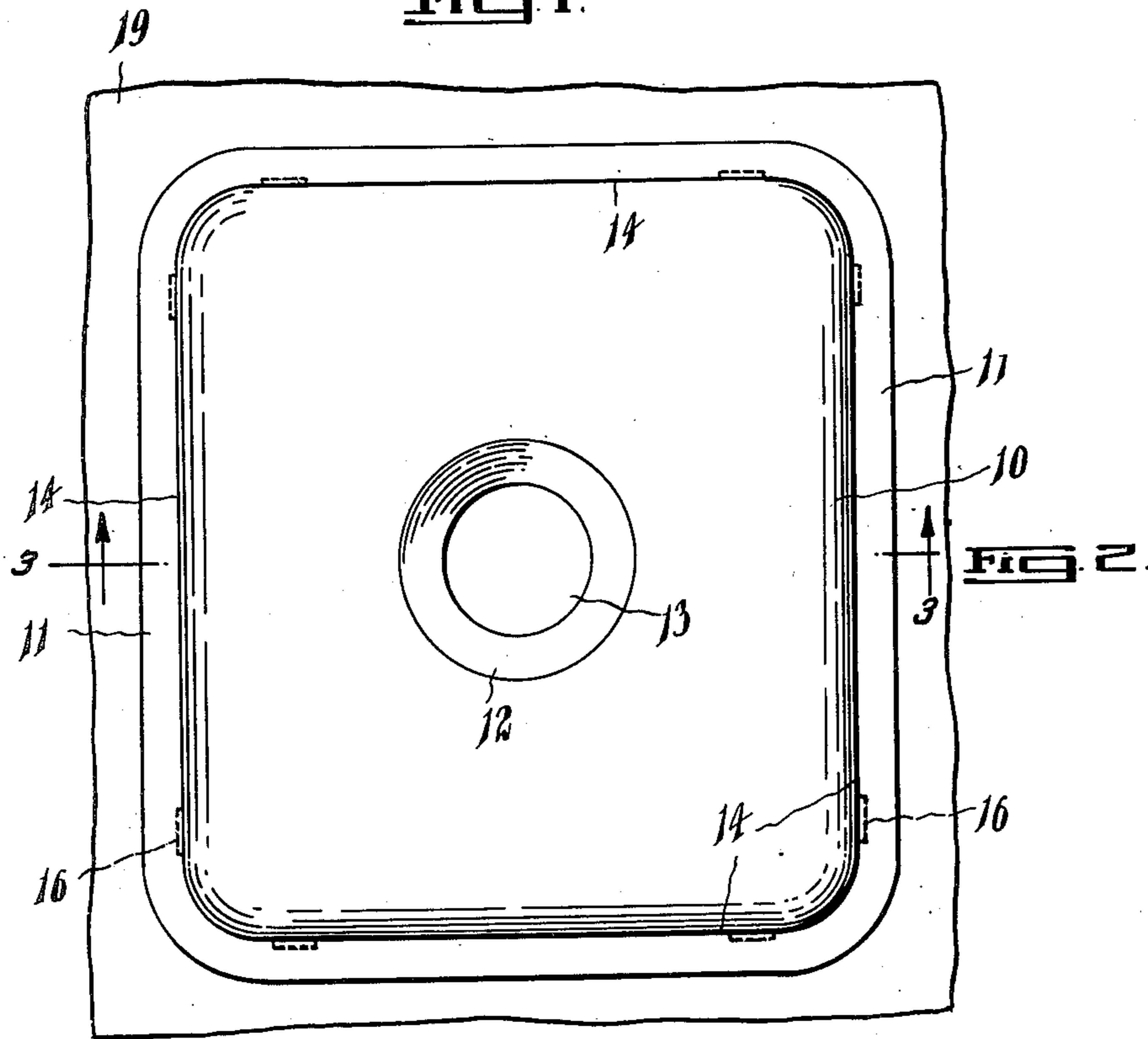


FIG. 2.

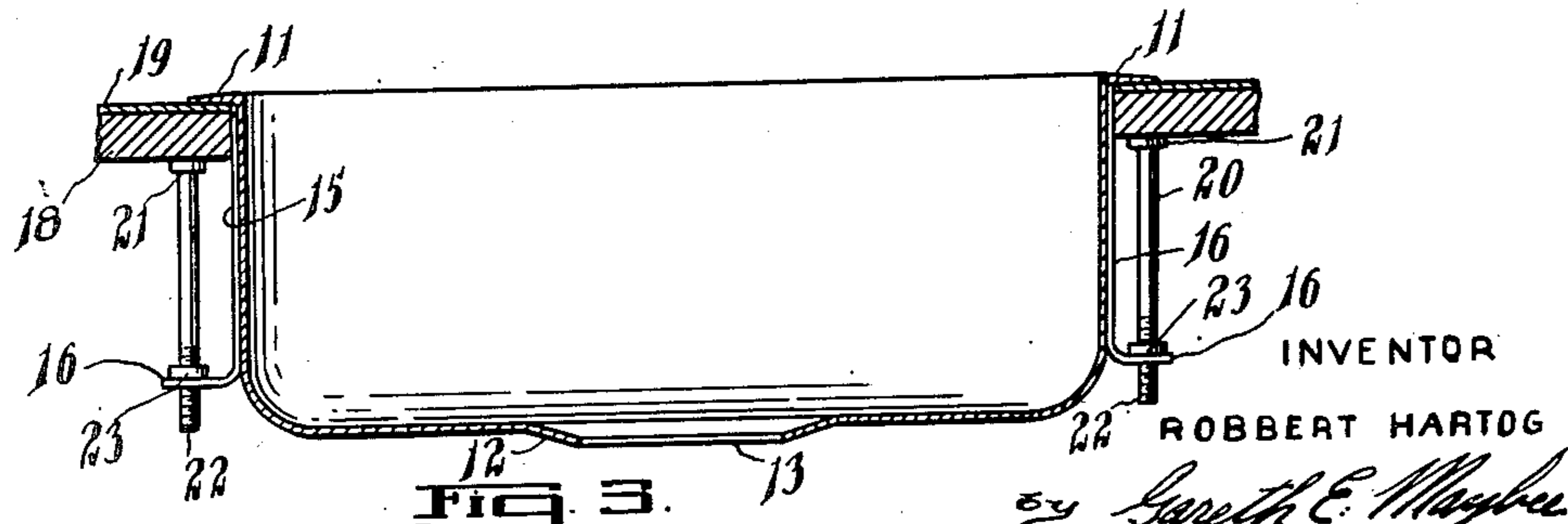


FIG. 3.

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## UNITED STATES PATENT OFFICE

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## SINK BOWL

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3 Claims. (Cl. 4—187)

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This invention relates to sink bowls, and more particularly to means for installing sink bowls in drain boards. The methods which heretofore have been employed for the installation of sink bowls in the standard types of drain boards, involving such operations as recessing the edges of the drain board and providing moulding to conceal the edges of the bowl, have had the common disadvantages of requiring time-consuming and expensive hand-fitting and extensive operations for securing the sink bowls to the drain boards. The main object of this invention is to overcome the disadvantages of the prior art by providing a sink bowl so constructed that it may be installed quickly and easily with a minimum of hand-work.

A further object of this invention is to provide a sink bowl which may be conveniently installed in a standard type of drain board so as to produce a permanently tight and sanitary seal between the edges of the bowl and the drain board.

All of the foregoing and still further objects and advantages of the invention will become apparent from a study of the following specification, taken in conjunction with the accompanying drawings, wherein like characters of reference indicate corresponding parts throughout the several views and wherein:

Fig. 1 is a side elevation of the sink bowl prior to installation in a drain board;

Fig. 2 is a top plan view of the sink bowl installed in a drain board; and

Fig. 3 is a section on the line 3—3 in Fig. 2.

The illustrated construction includes a bowl 10 having an outwardly extending horizontal top rim 11 and a central depressed portion or sump 12 surrounding an aperture 13 which is provided for connection to a suitable drain pipe. The bowl 10 is shown as being generally square in shape and having four substantially flat sides 14 joined by rounded corners, but any suitable shape may be used.

Suitably spaced around the sides of the bowl 10 are the vertical supporting strips 15, which are welded or otherwise secured to the bowl so as to extend downwardly from the flange 11 to a point somewhat below the underside of the bowl 10. The end portions 16 of the strip 15 are not secured to the sides of the bowl 10 and before the installation of the bowl are left extending vertically downward. A hole 17 is provided in each of the end portions 16 of the strip.

The drain board 18 in which the sink bowl is to be installed is formed with an aperture the

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dimensions of which may vary between the limits of the inner and outer dimensions of the flange 11. The drain board 18 is preferably provided with a protective covering 19, consisting of linoleum or other hard, impervious material, or it may be wholly made from such material.

The sink bowl 10 is installed in a drain board 18 by placing the bowl in the aperture in the drain board so that the flange 11 engages with the drain board and supports the sink bowl 10 in the aperture. The rim 11 is preferably formed with a slight taper towards the outer edge, as shown, so as to form substantially a continuation of the surface of the protective covering 19.

Threaded rods or bolts 20 each preferably having a flat head 21 and having a threaded portion 22 are then inserted in the holes 17 in the unsecured end portions 16 of the supporting strips 15, the nut 23 being first threaded on the rod or bolt 20 to provide with the operative part of the threaded rod or bolt an expansible clamping member. The unsecured end portion 16 of the strip 15 is then bent upwardly and outwardly to an approximately horizontal position so that head 21 of the bolt 20 is located directly below the drain board 18. By tightening the nut 23 downward on the threaded portion 22 of the bolt 20 the clamping member provided between the end portion 16 and the drain board 18 by the operative parts of the nut and bolt is expanded to force the head 21 upward against the underside of the drain board, thereby tightly clamping the top rim 11 against the upper surface of the protective covering 19, and fixedly securing the sink bowl 10 in position.

It will be seen that no recessing operation, which would destroy the impervious nature of the protective covering 19, is required and a tight seal between the flange and the protective covering 19 is easily provided. Furthermore, the aperture in the drain board need not be cut so as to provide an accurate fit with the bowl 10, thereby effecting a further saving in the time required for installation.

It is thought that the construction and use of the invention will be apparent from the above description of the various parts and their purpose. It is to be understood that the form of the invention herewith shown and described is to be taken as a preferred example of the same and that various changes in the shape, size and arrangement of parts may be resorted to, without departing from the spirit of the invention or the scope of the subjoined claims.

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What I claim as my invention is:

1. Means for mounting a sink bowl within an aperture in a drain board, said means comprising the combination of a sink bowl having an outwardly extending top rim adapted to overlies the edges of the said aperture, supporting vertical strips on the bowl and having bendable unsecured end portions, the said end portions extending outwardly from the sides of the bowl and below the level of the underside of the drainboard after insertion of the bowl in said aperture, and upwardly and downwardly expansible threaded clamping means adapted to engage and bear downwardly against the unsecured bent end portions at points spaced from the bowl and expansible to bear upwardly against the underside of the drain board rigidly to secure the bowl in the drain board.

2. Means for mounting a sink bowl within an aperture in a drain board, said means comprising the combination of a sink bowl having an outwardly extending top rim adapted to overlies the edges of the said aperture, supporting vertical strips on the bowl and having bendable unsecured end portions, the said end portions having apertures and being adapted to be bent outwardly from the sides of the bowl after insertion of the bowl in said aperture, and extensible means adapted to extend through and engage the unsecured bent end portions and to bear against the underside of the drain board rigidly to secure the bowl in the drain board.

3. Means for mounting a sink bowl within an

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aperture in a drain board, said means comprising the combination of a sink bowl having an outwardly extending top rim adapted to overlies the edges of the said aperture, supporting vertical strips secured to the bowl and having bendable unsecured end portions, the said end portions being adapted to be bent outwardly from the sides of the bowl after insertion of the bowl in said aperture, and threaded rods adapted to the bent unsecured end portions, the said rods carrying nuts adapted to be screwed downwardly toward the bent unsecured end portions, thereby causing the ends of the rods to move upwardly and bear against the underside of the drain board rigidly to secure the bowl in the drain board.

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