Sept. 3, 1929. J. M. COULTER 1,727,159

SINK AND PORCELAIN ELEMENT FOR KITCHEN CABINETS AND KITCHEN UNITS

Filed July 27, 1928

Fig. 1.

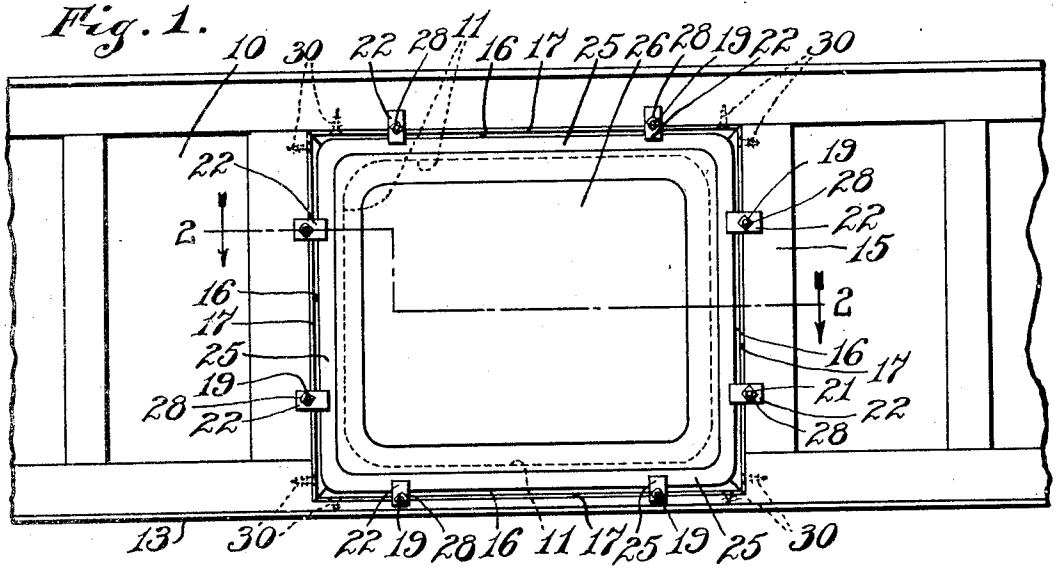


Fig. 2.

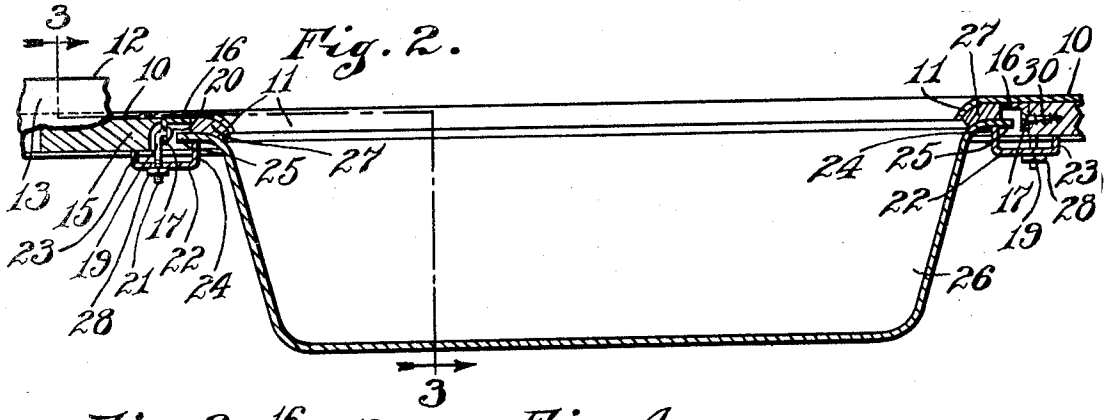


Fig. 3.

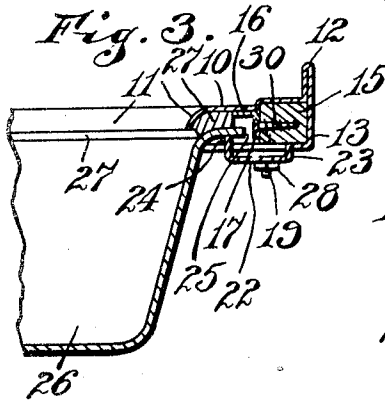
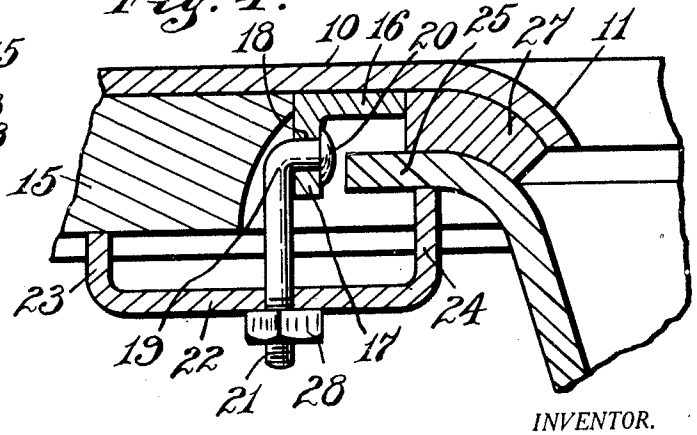


Fig. 4.



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1,727,159

UNITED STATES PATENT OFFICE.

JOHN M. COULTER, OF FRANKFORT, INDIANA, ASSIGNOR TO McDOUGALL COMPANY, OF FRANKFORT, INDIANA, A CORPORATION OF INDIANA.

SINK AND PORCELAIN ELEMENT FOR KITCHEN CABINETS AND KITCHEN UNITS.

Application filed July 27, 1928. Serial No. 295,805.

In the construction of kitchen equipment, especially of the modern character wherein various cabinets are formed in units which may be arranged together in various relations it has been found quite desirable to provide, as one of the units, a sink element consisting of a sheet metal porcelain faced work table or drain table centrally perforated, and a sink or basin associated with this sheet metal porcelain faced element, and considerable difficulty has been experienced in forming a water tight connection between the porcelain faced sheet element and the sink element owing to unavoidable irregularities in the sheet and sink elements.

The object of my present invention is to provide such a unit at low cost.

The accompanying drawings illustrate my invention:

Fig. 1 is an under plan of my improved unit;

Fig. 2 a section on line 2—2 of Fig. 1 on a larger scale;

Fig. 3 a section on line 3—3 of Fig. 2 and

Fig. 4 an enlarged fragmentary section on the plan of Fig. 2.

In the drawings 10 indicates a sheet metal porcelain faced drain board or work table element having a central perforation preferably defined by a downturned lip or flange 11. Conveniently this sheet metal element along one edge is bent up and doubled upon itself to form a guard flange 12 and finish-front 13. The element 10 is stiffened by an underlying wooden frame 15 which is to be supported by any suitable substructure, not shown. Secured to the under face of sheet 10, preferably by spot welding, at various points surrounding lip 11 are angles 16 providing depending arms 17 horizontally perforated at 18. Hooked through each of these perforations is an L shaped anchor bolt 19 headed at one end at 20 and threaded at the other end at 21. Associated with each bolt 19 is a clamping channel 22 having an upturned arm 23 adapted to engage the under face of frame 15, and, at its other end, an upturned arm 24 adapted to underlie the upper horizontal flange 25 of the sink or basin 26. Interposed between the downturned lip 11 of plate 10, and flange 25 of basin 26, is a ring of comparatively thick and pliant packing 27 which, I have found, can most conveniently and economically be made of a strip of sponge rubber preferably having an impervious upper and lower skin.

In assembly the bolts 19 are hooked through the perforations 18 of the depending arms 17, basin 26 and packing 27 placed in position, and the clamping channels 22 clamped up against frame 15 and flange 25 by means of nuts 28.

The described construction makes a very substantial unit which provides a readily maintainable water tight junction between the sink and work plate at a very low cost. The angles 16 may be of such dimensions as to form a complete bounding frame around the opening in plate 10 or may be short unconnected sections and the wood frame 15 may be secured to some of these angles by screws 30.

I claim as my invention:

A kitchen unit comprising a sheet metal plate having a working face and a central opening, a series of depending horizontally perforated fingers secured to the under face of said plate around said opening, a basin element having an outturned flange around its top, an L shaped bolt hooked in each of the perforations of the depending finger, a packing arranged between the flange of the basin and the under face of the work plate around its central opening and a series of clamping bridges one carried by each bolt and clamped up against the basin flange by a retaining nut.

In witness whereof, I, JOHN M. COULTER, have hereunto set my hand at Frankfort, Indiana, this 24th day of July, A. D. one thousand nine hundred and twenty-eight.

JOHN M. COULTER.