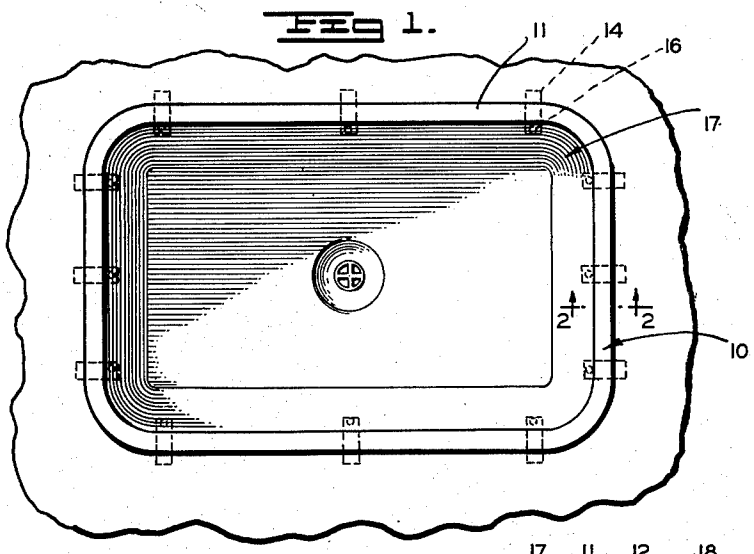
March 10, 1953 P. J. SHAW 2,630,579

MOLDING STRUCTURE

Filed Jan. 31, 1950

Fig 1.



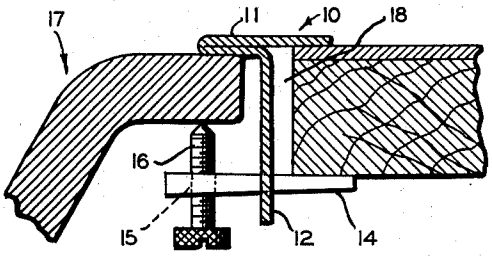


Fig 2.

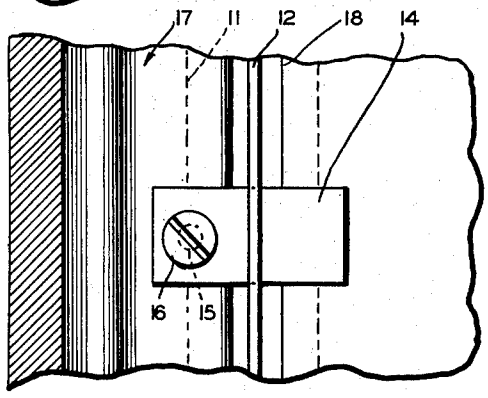
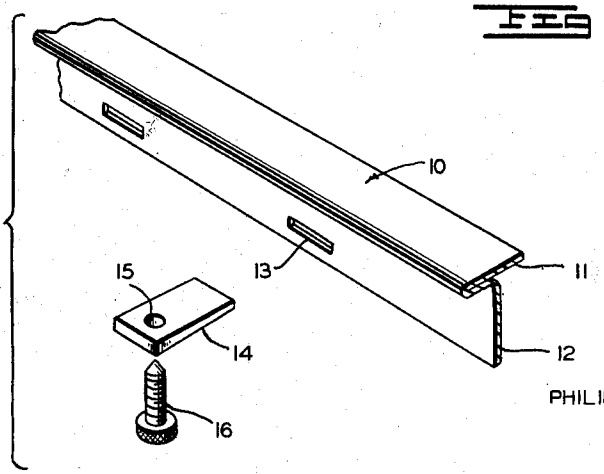


Fig 3.

Fig 4.



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Patented Mar. 10, 1953 2,630,579

UNITED STATES PATENT OFFICE

2,630,579

MOLDING STRUCTURE

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Application January 31, 1950, Serial No. 141,424

1 Claim. (Cl. 4—187)

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This invention relates broadly to moulding structures and more particularly to sink mounting means for installing a standard flat flange type sink in an opening in a drainboard or cabinet top.

It is an object of this invention to provide improved mounting means particularly adapted for rigidly holding a standard flat flange type sink in an opening in a drainboard or cabinet top and at the same time forming a water-tight seal between the sink flange and the edge of the drainboard or cabinet top circumferentially enclosing the opening therein.

Another object of this invention is to provide a flat flange type sink mounting means which comprises relatively few and simple parts and which may be used for mounting the sink in a convenient and easy manner without requiring the use of any special tools or other expensive equipment.

Still another object of this invention is to provide a flat flange type sink mounting means which is adjustable so that the sink may be installed at the correct level at the top of the opening formed in a drainboard or cabinet top.

These and other objects of this invention will become apparent from the following description which is illustrated by the accompanying drawings in which:

Figure 1 is a top plan view of a sink installed in a drainboard or cabinet top opening;

Figure 2 is a vertical sectional view on the line 2—2 of Figure 1;

Figure 3 is a fragmental bottom view of a portion of Figure 1; and

Figure 4 is an exploded partial perspective view of the flat flange type sink mounting means of this invention.

The mounting means of this invention for positioning a flat flange sink in an opening in a drainboard or cabinet top comprises a substantially T-shaped member in cross section which is adapted to be positioned with its vertical leg between the outer circumferential edge of the flat sink flange and the edge of the drainboard or cabinet opening, the horizontal member of the T member being adapted for resting on the top of the flange edge and the drainboard or cabinet top edge of the opening, the vertical leg having a plurality of spaced slots, there being wedge-shaped members adapted to be received by these slots, and each of these wedge-shaped members being provided with screw threaded means for adjustably positioning the sink within the opening.

With particular reference to the drawings, the

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preferred form of flat flange type sink mounting means consists of a T-shaped member 10 in cross section having a horizontal cross member 11 and a vertically extending leg 12. This T-shaped member 10 is preferably made of metal such as chromium, stainless steel, brass, or other type metal usually used in trimming cabinet edges or in forming joining lines between adjacent cabinets and sinks installed in openings in cabinets or drainboards. Along the length of the vertical member 12 of the T-shaped member 10 there is provided a plurality of horizontally spaced aligned slots 13. A wedge-shaped rectangular member 14 is provided and is received by each of the slots 13. At the end of the wedge-shaped member 14 opposite that end received by the slot 13 there is provided an internally threaded opening 15 for receiving an externally screw threaded set screw or thumb screw 16.

Since the sizes of sinks have been standardized in the industry, a T-shaped member 10 in the form of a rectangle usually having rounded corners is provided for each standard sink size such that the length of the rectangle and its width are slightly larger than the length and width of the standard sink about which the substantially rectangular T-shaped member 10 is to be placed.

In order to install a flat flange type sink such as 17 in an opening 18 provided in a drainboard or cabinet top, the sink 17 is placed within the opening and supported substantially in position by means of blocks or a jack from the underside. The correct size T-shaped flange member 10 is selected and then placed about the edge of the flat flange of the sink 17 so that the vertical leg 12 lies between the outer circumferential edge of the drainboard or cabinet top opening and the edge of the flat flange of the sink. The horizontal member 11 has one edge lying on the top of the drainboard or cabinet top and the other edge lying on the top of the flat flange of the sink 17. A wedge-shaped member 14 is then inserted in each of the openings 13 so that one end opposite that having the screw threaded means 16 lies underneath the bottom of the drainboard or cabinet top and the other end lies in a position such that the end of the set screw or thumb screw 16 will bear against the bottom of the flat flange of the sink 17 upon adjustment. Thereafter, each of the thumb screws or set screws 16 is adjusted in order to bring the top of the flat flange of sink 17 in alignment with the top of the drainboard and in order to place the T-shaped member under tension and thereby form a seal between the horizontal member 11 and the edges

of each of the flat flanges of the sink 17 and the top edge of the drainboard or cabinet.

The use of a wedge-shaped member 14 in place of a non-wedge-shaped member has particular advantage although either may be used in this invention. Not only does the wedge shape prevent the insertion of the member 14 beyond a fixed limit such that each end of member 14 lies in its correct position but also the use of a wedge-shaped member simplifies the assembly of the sink within the top of the drainboard. When the wedge-shaped members 14 are positioned in the slots 13 of the T-shaped member 10, the sink assembly is in a permanent position and thus all that is necessary to hold the sink in place in this permanent position is the insertion of the adjusting screws 16 in the internally threaded openings 15 until they bear against the flat flange of the sink 17.

From the foregoing description it is seen that that the flat flange sink mounting means of this invention provides a strong and durable structure which readily permits the easy installation of a sink in a cabinet top opening or drainboard opening. Furthermore, the resulting installation is one of extremely neat appearance which provides the necessary water-tight seal between the sink and the cabinet in whose opening the same is installed. Also, such an installation permits easy removal of the sink for the purpose of replacement if desired.

The foregoing description of the invention including the drawings is for the purpose of illustration and is not limiting as to the scope of this invention which is set forth in the following claim.

I claim:

In a cabinet top having a flat flange sink mountable in an opening therein, mounting means for positioning said sink in said opening which comprises a substantially T-shaped member in cross section which is adapted to be positioned with its vertical leg between the outer edge of said sink flange and the edge of said cabinet opening, the horizontal member of said T adapted for resting on the top of said flange edge and said cabinet opening edge, said vertical leg having a plurality of horizontally spaced aligned slots, rectangular wedge - shaped members adapted to be received by said slots, one end of said wedge-shaped member being in engagement with the underside of said cabinet adjacent said opening, the other end of said wedge-shaped member extending under said flat flange, the latter said end of said wedge-shaped member being provided with adjustable screw means for engagement with the underside of said flat flange.

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REFERENCES CITED

The following references are of record in the file of this patent:

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Number	Name	Date
2,502,553	Ball	Apr. 4, 1950