April 26, 1960 D. S. COTTINGHAM 2,934,337

SINK RIM TOOL

Filed July 18, 1957

FIG. 1.

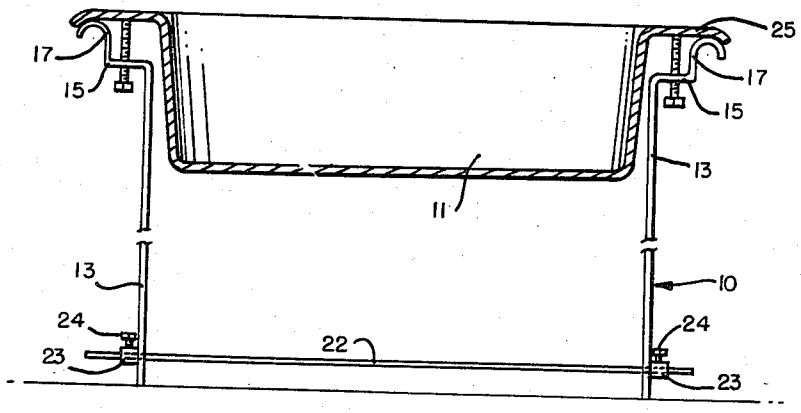


FIG. 2.

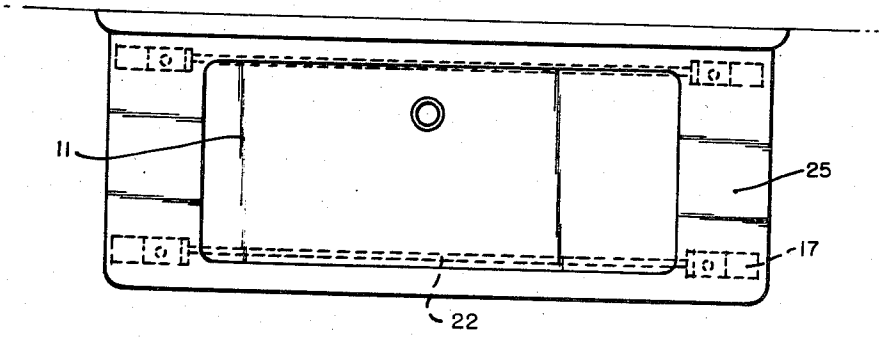
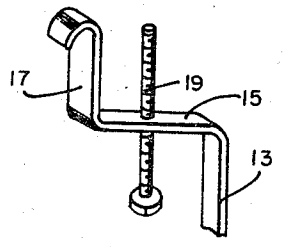


FIG. 3.



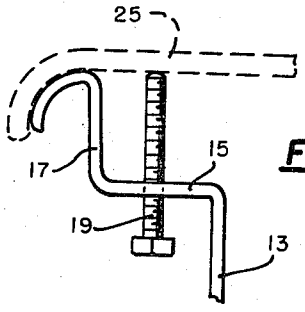


FIG. 4.

INVENTOR.

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SINK RIM TOOL

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1 Claim. (Cl. 269—163)

This invention relates to installation tools and more particularly to a tool for installing sinks.

It is an object of the present invention to provide an installation tool for installing kitchen sinks whereby the sink may be supported at a proper height while the permanent support clamps are installed.

Another object of the present invention is to provide an installation tool of the above type which may be quickly released from supporting engagement with the sink after the installation has been completed so that it is immediately available for the next installation, a minimum amount of time being required both for attaching the device for the installation job and for removing it from the sink after the installation has been completed.

Other objects of the invention are to provide an installation tool bearing the above objects in mind which is of simple construction, has a minimum number of parts, is inexpensive to manufacture and efficient in operation.

For other objects and for a better understanding of the invention, reference may be had to the following detailed description taken in conjunction with the accompanying drawing, in which:

Figure 1 is a front elevational view of a tool made in accordance with the present invention in operative use;

Figure 2 is a top plan view of the device shown in Figure 1;

Figure 3 is an enlarged perspective view showing certain parts of the installation tool; and

Figure 4 is an enlarged fragmentary view of certain parts of the structure shown in Figure 1.

Referring now more in detail to the drawing, an installation tool assembly 10 made in accordance with the present invention is shown in operative use during the installation of a kitchen sink 11. This tool includes laterally spaced apart pairs of vertical supports 13 which form a frame or cradle for supporting the sink 11 at any desired height during the initial installation thereof.

Each one of the vertical support members 13 includes a substantially straight column portion and has a laterally offset flange 15 adjacent to the upper end thereof. The outer end of the offset flange 15 is provided with a still further upwardly extending inverted J-shaped member 17. An elongated set screw 19 extends vertically upwardly through the offset flange 15 into proximity with the upper level of the top of the inverted J-shaped member 17. This set screw 19 serves as a leveling and a steadying device and prevents the accidental slipping of the vertical support from the sink 11 that is supported thereon, the weight of the sink being sufficient to allow

said set screw to lock the J-shaped portion 17 laterally under the sink flange and against inward displacement therefrom and against lateral rotation thereunder as is more clearly shown in Figure 4. A flexible cable 22 extends through the bottom portions of both of the support members 13 of each pair and has a clamp 23 at each outer end thereof. Each clamp 23 is provided with a set screw 24 which may be turned down into engagement with the cable so as to prevent displacement of the clamp relative to the cable 22 and thus acts as a stop which limits the outward separating movement of the legs 13 in each pair.

In actual use, one vertical member is placed within the sink rim 25 at each corner thereof and the lower ends of each pair are pulled inwardly toward each other and the associated clamps 23 tightened so as to prevent the return separating movement thereof. The cable clamps 23 may be released so as to permit the vertical supports 13 to be rotated outwardly out of engagement with the sink end rim so that the tool may be used for the next installation job. It will thus be recognized that this tool will hold the sink in position while the plumber installs the supporting clamps, thus replacing the one or two men that are usually required to perform this job under very strained and difficult conditions.

While various changes may be made in the detail construction, it shall be understood that such changes shall be within the spirit and scope of the present invention as defined by the appended claim.

What I claim as new and desire to protect by Letters Patent of the United States is:

A device for installing sinks having downwardly rounded sink flanges comprising laterally spaced pairs of vertical supports for supporting a sink in a predetermined distance above the floor level, each of said vertical supports having a substantially straight main body, a laterally offset flange on the upper end of the main body portion, an upwardly and outwardly extending inverted J-shaped rounded portion conforming to the underside of a downwardly rounded sink rim flange projecting normally upwardly and outwardly from said laterally offset flange to receive the underside of the sink rim thereabove and a set screw threadingly extending upwardly through the offset flange and parallel to the inverted J-shaped portion the weight of the sink being sufficient to allow said set screw to laterally lock the J-shaped portion against the sink flange, a cable extending through the lower ends of the vertical supports of each pair and between the same, and a clamp on the free end of the cable for normally limiting the outward separating movement of the lower ends of the vertical supports when the device is installed under the edge of the sink whereby the device may be easily removed from the installed sink upon release of the clamp from the cable and the rotating outwardly of the vertical support members out of engagement of the underside of the sink flange.

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