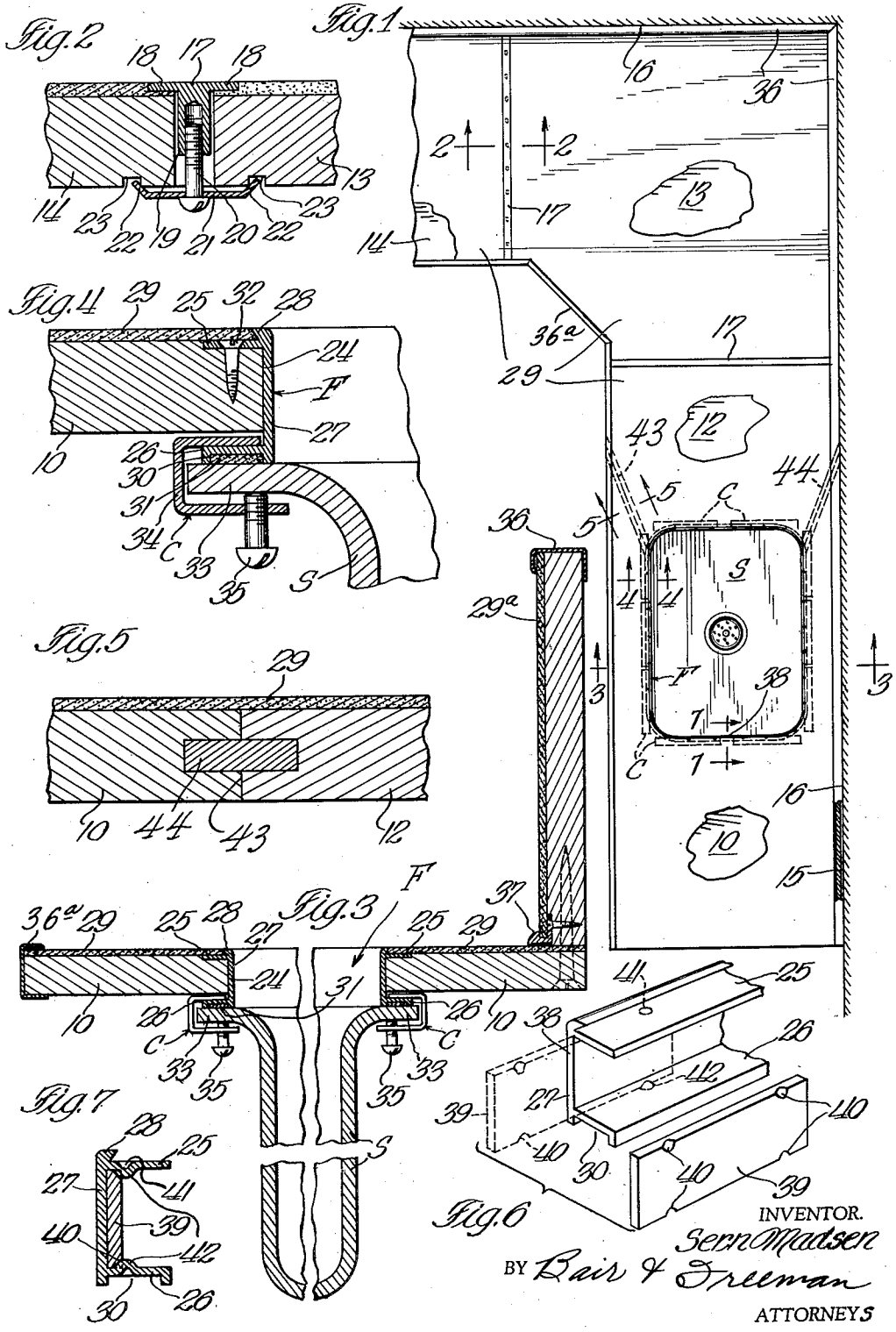
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TABLE TOP CONSTRUCTION

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TABLE TOP CONSTRUCTION

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One object of my present invention is to provide a table top construction particularly adapted for installation as a sink supporting counter in a kitchen or the like, and adapted for convenient installation, particularly of the sink relative to the table top and of a plurality of table top members when turning a corner in a room.

A further object is to provide a table top with a sink opening and means for lining or trimming the opening with a banding of metal such as aluminum alloy, and which banding cooperates with a linoleum covering for the table top in a very neat manner.

A further object is to provide a means for supporting the sink from the banding so that the banding is the sole support for the sink and eliminates the necessity of attaching the sink rim to the table top itself.

Still another object is to provide a table top arranged to receive a banding frame and so constructed that the table top may be cut for insertion of the banding frame and thereafter spliced together in a manner which gives to the table top its maximum of strength.

Another object is to provide a table top construction to which a sink may be attached and the joints between sections of the table top are so formed that there are no visible screws or other fastening means.

Another object is to provide a joint between the sink and a table top which eliminates the possibility of water, if it should leak through the joint, coming in contact with the under surface of the table top causing swelling, warping or deterioration.

With these and other objects in view, my invention with respect to its features which I believe to be novel and patentable will be pointed out in the claims appended hereto. For a better detailed understanding of the invention, reference is made to the following description and to the accompanying drawing, in which

Figure 1 is a plan view of the table top construction embodying my invention;

Figure 2 is an enlarged sectional view on the line 3—3 of Figure 1, showing a splice between sections of the table top;

Figure 3 is an enlarged sectional view on the line 3—3 of Figure 1, showing the coaction of the banding around the edge of the sink opening and the table top and the manner of supporting a sink on the banding;

Figure 4 is a more greatly enlarged sectional view to show the banding and sink rim clamp in greater detail;

Figure 5 is an enlarged sectional view on the line 5—5 of Figure 1 showing a spliced joint in the table top made for the purpose of inserting the frame of the banding material in the sink opening;

Figure 6 is a perspective view of the banding material and a banding splice bar for coaction therewith, and

Figure 7 is an enlarged section of the sink banding joint as on the line 7—7 of Figure 1.

On the accompanying drawing, I have used the reference numeral 10 to indicate one section of a table top. Other sections thereof are indicated at 12, 13 and 14. A back splasher 15 is used in connection with the table top sections 10, 12, 13 and 14 when the table top is installed as a counter or worktable in a kitchen or the like. The walls of the kitchen are indicated at 16.

The table top sections 12 and 14 are joined to the corner sections 13 by splice bars 17. The splice bars 17, as shown in Figure 2, are of T-shaped cross section having arms 18 and a leg 19. The leg 19 is screw-threaded to receive clamping screws 20.

The leg 19 is located between the table top sections and a splice plate 21 is engaged with the lower surfaces thereof by the clamp screws 20. The splice plates 21 have their edges 22 upturned and received in transverse grooves 23 of the top members 12, 13 and 14.

A banding frame F is provided to line a sink opening 24 in the top member 10—12. The frame F may be formed of any size desired to fit different standard sizes of sink openings. Initially, the frame F is formed in straight bars of channel-shaped cross section having flanges 25 and 26 and a web 27. An overhanging bead 28 forms a pocket to receive the edge of a top member 29 of linoleum or the like.

The flange 25 rests on the top of the table top 10—12 and may be either countersunk in the linoleum or the table top. The flange 26 is spaced below the lower surface of the table top. The flange 26 has a groove 30 in its lower surface adapted to receive sealing material such as mastic or putty 31.

The banding frame F may be secured in position relative to the table top by screws 32. A sink S having a flange 33 is supported solely by the banding frame F. The means of support consists of C clamps C in the form of bars 34 provided with clamp screws 35. As many of the bars 34 are used as necessary to surround the sink, as shown by dotted lines in Figure 1.

The back splasher 15 may be a panel covered

with linoleum 29a with a top banding 36 and a fillet mold 37 to finish off the top edge thereof and the joint between the linoleum 29 and the linoleum 29a.

Forming the banding frame F of a length of channel bar of the shape disclosed, requires that a joint be provided for the ends of the banding. This joint is indicated at 38 in Figure 1 and the manner of splicing it is illustrated in Figure 6. A banding splice bar 39 is provided having depressions 40. One end of the banding frame is shown in Figure 6, and it is obvious that the other end is to be abutted thereagainst. Thereupon the banding splice bar 39 is moved to the dotted position and indentations 41 formed in the outer surfaces of the flanges 25 and 26 adjacent the recesses 40. The indentations 41 cause protuberances 42 to appear on the inner surfaces of the flanges 25 and 26 which enter the recesses. The indentations 41 may be formed with a center punch or with a pair of tongs particularly designed for this purpose. After the indentations are formed, the ends of the banding frame are retained rigidly in joint relationship to each other and kept from pulling apart. Also the banding splice bar 39 is retained against movement out of the flanges 25 and 26.

The frame F, after it is formed, may be inserted in the sink opening 24 when the table top sections 10 and 12 are separated from each other along the joint indicated at 43. This joint is preferably a scarfed joint so that when the edges of the joint are brought together and spliced by a spline 44 (see Figure 5), the joint extends diagonally of the grain of the wood and thereby maximum strength in the finished top section 10—12 is secured. The diagonal arrangement of the joints 43 also permits a tightening of the joint as the sections 10 and 12 are moved toward each other.

A number of advantages are inherent in the construction of my table top as described in the foregoing specification. The sink opening and the banding frame F will fit stock sinks made by sink manufacturers. The counter or table top units may be readily fitted into any room and the joints between adjacent top members effectively connected together in a neat and rigid manner by the structure shown in Figure 2. There are no visible screws in either the splice bar 17 or the banding frame F. This is accomplished by having the screws 28 extend upwardly into the legs of the splice bars while the screws 32 of the frame F are covered by linoleum 29. The covering 29 may be readily replaced or changed by local linoleum workmen if necessary or desired. The manner of application of the linoleum adjacent the portion 28 of the banding frame prevents water from getting down to the table top sections 10 and 12.

The groove at 30 in the banding frame F permits reception of the sealing compound 31 so as to form a fluid-tight joint at this point with the sink rim 33. If at any time this joint should happen to open up, the seepage of water therethrough will not result in the water getting to the sections 10 and 12 because the sink is entirely suspended from the banding and the clamps C are spaced from the wood of the top sections 10 and 12.

The manner of suspending the sink gives an installation which is all metal and immune from effects of shrink and swell. No shrink or swell of wood parts can loosen or otherwise affect the permanence of the sealed joint between the banding frame and the sink. The upper flange 25 of the banding frame rests on top of the table top members 10 and 12 and thereby the banding frame and sink are supported in such manner that the flange 25 is always held tightly in engagement with the table top by the weight of the sink.

The clamps C are preferably elongated as shown in Figure 1 by dotted lines, and each is provided with at least three clamping screws 35 so that they can extend completely throughout the entire periphery of the frame F and thereby effectively support the sink in a rigid manner relative to the table top. The C clamp arrangement eliminates all necessity of screwing any supports into the bottom of the table top.

In accordance with the provisions of the patent statutes, I have described the principle of operation of my invention together with an illustration of the table top construction which I consider to represent the best embodiment thereof, but I desire to have it understood that the structure disclosed is only illustrative and that the invention may be carried out by other means within the scope of the appended claims.

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

1. In a table top construction, a top member having a sink opening therein, a metallic banding element for trimming said opening, said banding element having a flange engaging that portion of the top surface of said top member immediately surrounding said opening, a wall to cover the edge of the opening and a second flange extending under said top member and spaced from the bottom surface thereof, a sink supported by said second flange, said second flange having a recess in the bottom face thereof, a sealing compound in said recess, said sink having its rim contacting with said sealing compound and clamp means for holding and retaining closed the joint between said sink rim, sealing compound and second flange, said clamp means being connected with said second flange.

2. In a table top construction, a top member having a sink opening therein, a banding element for trimming said opening, said banding element having a flange engaging that portion of the top surface of said top member immediately surrounding said opening, a wall to cover the edge of said opening and a second flange extending under said top member and spaced from the bottom surface thereof, a sink supported by said second flange, said second flange having means in the bottom face thereof to receive sealing compound, said sink having its rim contacting with said sealing compound and clamp means for holding and retaining closed the joint between said sink rim, sealing compound and second flange.

3. In a table top construction, a top member having a sink opening therein, a banding element for trimming said opening, said banding element having a flange supported by said top member, having a wall to cover the edge of the opening and having a second flange extending under said top member and spaced therefrom, and a sink supported by said second flange, said second flange having a recess in the bottom face thereof and sealing compound in said recess, said sink having its rim contacting with said sealing compound.

4. In a table top construction, a top member having a sink opening therein, a banding element for trimming said opening, said banding element having a flange engaging the top surface of said

top member whereby to support the banding element relative to the top member, a wall to cover the edge of the opening and a second flange extending under said top member and spaced from the bottom surface thereof, and a sink supported solely by said second flange.

5. In a structure for attaching a sink to a table top having a sink opening therein, a banding element lining said opening, said banding element being supported by said table top and having a flange portion spaced from and extending under said table top, the rim of the sink being held in joint relationship with said flange portion and clamp means to effect such holding, said clamp means embracing said flange portion and said sink rim.

6. In a structure for attaching a sink to a table top having a sink opening therein, a banding element lining said opening, said banding element having a channel portion embracing the edge of said table top adjacent said sink opening, and means for supporting the rim of the sink in joint relationship with the lower flange of said banding element comprising clamp means embracing said flange and said sink rim.

7. A table top having a sink opening, a banding strip for said opening having a lower horizontal flange, a sink rim in contact therewith and clamping means independent of the table top for holding the flange and rim in closed joint relationship, said flange having a recess for retaining a joint sealing medium for sealing the joint between the flange and the sink rim.

8. A table top having a sink opening, a banding strip for said opening having a lower horizontal flange, a sink rim supported thereby and clamping means independent of the table top for effecting such support of said sink by said banding element.

9. In a table top construction, a top member having a sink opening therein, a frame of banding material lining said opening, said banding material having a flange resting on the upper surface of said table top, said table top being cut on lines extending diagonally from said banding frame to permit insertion of the banding frame into said sink opening and being spliced at the cuts to form a complete table top after the banding frame is inserted, and means to attach the rim of a sink to said banding frame so that the banding frame forms the sole means of support for the sink.

10. In a table top construction, a top member having a sink opening therein, a frame of banding material lining said opening, means to support said banding frame relative to the table top, said table top being cut on lines extending diagonally from said opening to permit insertion of the banding frame thereinto and being spliced at the cuts to form a complete table top after the banding frame is inserted, and means to attach the rim of a sink to said banding frame.

11. In a table top construction, a top member having a sink opening therein, a frame of banding material lining said opening and having a flange resting on the upper surface of said table top adjacent said opening, said table top being cut on lines extending from said opening to permit insertion of the banding frame thereinto and being spliced at the cuts, and means to secure the rim of a sink in contact with said banding frame so that the banding frame forms the sole means of support therefor.

12. In a table top construction, a top member having a sink receiving opening therein, a frame of banding material lining said opening, said banding material being channel-shaped to embrace the edge of said table top adjacent said opening, said table top being cut on lines extending diagonally from said banding frame to permit insertion of the banding frame into said sink opening and being spliced at the cuts after the banding frame is inserted.

13. In a table top construction, a top member having a sink opening therein, a frame of banding material lining said opening, said banding material being channel-shaped and formed to provide a substantially rectangular frame, and means for splicing the ends of the frame together comprising a plate between the flanges of said banding material, and indentations in the flanges of said banding material and coacting with depressions in said splice bar to retain the ends of the banding material aligned with each other and from pulling apart by coaction of the protuberances formed by said indentations with said depressions.

14. In a table top construction, a top member having a sink opening therein, a frame of banding material lining said opening, said banding material having spaced flanges and being formed to provide a substantially rectangular frame, means for splicing the ends of the frame together comprising a plate between said flanges and having depressions, and indentations in said flanges coacting with said depressions to retain the ends of the banding aligned with each other and from pulling apart by coaction of the protuberances formed by said indentations with said recesses.

15. In a table top construction, a top member having a sink opening therein, a frame of substantially channel-shaped banding material lining said opening, means for splicing the ends of the frame together comprising a plate between the flanges of said banding, and indentations in the flanges of said banding coacting with depressions in said splice bar to retain the parts assembled relative to each other.

16. In a table top construction, a top member having a sink opening therein, a frame of substantially channel-shaped banding material lining said opening and means for splicing the ends of the frame together comprising a plate between the flanges of said banding, and indentations in the flanges of said banding coacting with depressions in said splice bar to retain the parts assembled relative to each other, said depressions being adjacent one face of said splice bar whereby the protuberances resulting from forming said indentations crowd said splice bar toward the web of said banding.

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