Sept. 9, 1958 C. P. MOLLA 2,851,322

ROUND METAL TABLES

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FIG. 1.

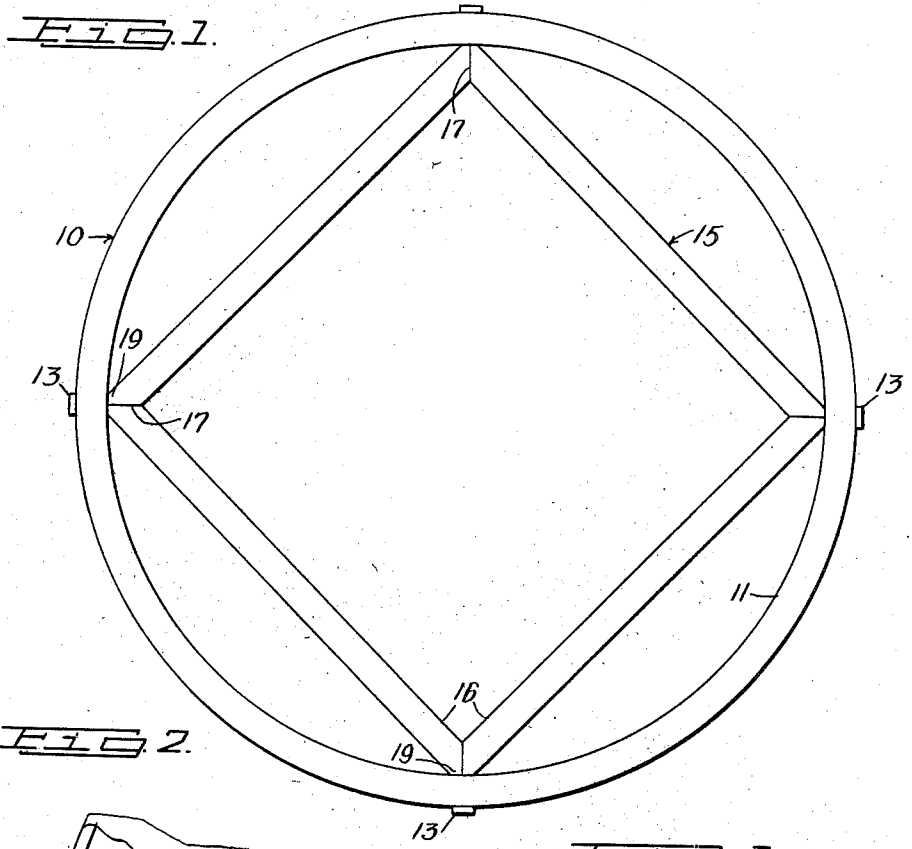


FIG. 2.

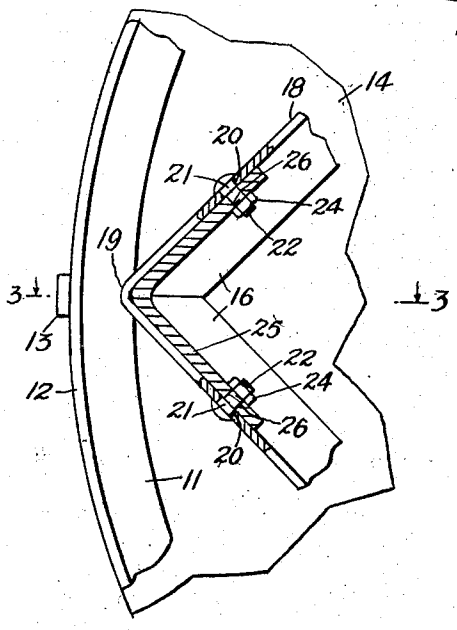
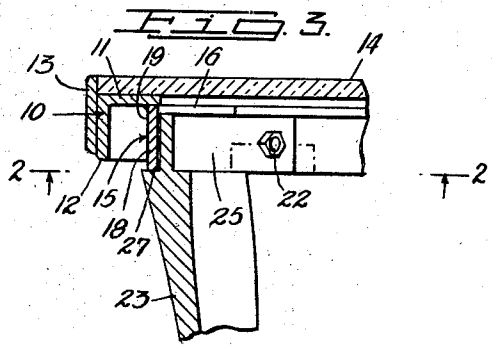


FIG. 3.



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ROUND METAL TABLES

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6 Claims. (Cl. 311—105)

This invention relates to round metal tables employing glass or other transparent table tops. More particularly, the invention deals with a reinforcing frame structure secured within the round frame of the table to brace the frame and, further, provide means for attachment of supporting legs and, further, to substantially conceal the mounting of the legs with said frame.

The novel features of the invention will be best understood from the following description, when taken together with the accompanying drawing, in which certain embodiments of the invention are disclosed and, in which, the separate parts are designated by suitable reference characters in each of the views and, in which:

Fig. 1 is a plan view of the table top structure, omitting the supporting legs.

Fig. 2 is an enlarged sectional detail view of the bottom of the table top, illustrating the mounting of one of the legs in connection with the reinforcing frame of said table top, the section being on the line 2—2 of Fig. 3; and

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

Considering Fig. 1 of the drawing, **10** represents a round table frame which can be termed a main frame. This frame is L-shaped or angleiron in cross-sectional form, in other words, comprises an annular top wall member **11** and an outer depending wall member **12**, as clearly noted in Fig. 3 of the drawing.

Welded to the wall **12** at four equally spaced intervals are upstanding table top retaining lugs **13** which are employed to retain a glass or other transparent or translucent table top **14** in position upon the wall **11**, as clearly illustrated in Fig. 3 of the drawing.

Arranged within the frame **10** is a rectangular reinforcing frame **15**, which is also L-shaped or angle-iron in cross-sectional form and defined by horizontal top walls **16** cut at the corner portions of the frame to form abutting surfaces, as clearly noted at **17** in Fig. 1 of the drawing; whereas, the vertical wall **18** can be continuous throughout the frame.

The dimensions of the reinforcing frame **15** are such as to dispose corner portions **19** upon the lower surfaces of the walls **11** of the frame **10**, as clearly seen in Fig. 3 of the drawing and also illustrated in Fig. 2, and these corner portions **19** are welded to the wall **11** so that the table top will comprise the two frames **10** and **15**.

The vertical wall members **18** of the frame **15**, adjacent the corners **19**, have rectangular apertures **20** to receive square shanks **21** of bolts **22**, as clearly noted in Fig. 2 of the drawing. This prevents rotation of the bolts and, in mounting legs **23** at the corner portions of the frames **15**, nuts **24** are tightened to secure the legs **23** in position. The legs **23** can be formed of cast aluminum and the upper portion of one of the legs **23** is shown in Fig. 3 of the drawing and this upper portion has a reduced L-shaped mounting portion **25**, which seats snugly within the corner portions **19** of the frame **15**, as clearly illustrated in Fig. 2 of the drawing, and is apertured, as seen at **26**, to receive the bolts **22**. The upper portion of each of the legs, outwardly of the L-shaped mounting

portion **25**, has a shoulder **27**, upon which the wall **18** directly seats, as clearly noted in Fig. 3 of the drawing.

It will be seen from the foregoing that the frame **15**, in addition to reinforcing the circular frame **10**, also provides a strong and durable support and mounting for the legs **23**, it being understood that, while only one corner portion of the table structure is shown in Figs. 2 and 3, one of the legs **23** will be located at each corner portion of the frame **15**.

It will also appear, from a consideration of Fig. 1 of the drawing, that the lugs **13** are disposed in alinement with the corner portions **19** of the frame **15**.

It will also appear, from a consideration of Fig. 2 of the drawing, that the mounting portion **25**, as well as the bolts **22**, are concealed beneath the wall **16** of the frame **15** and this wall is spaced from the lower surface of the top **14**; in other words, the top **14** is supported solely upon the wall **11**.

Having fully described my invention, what I claim as new and desire to secure by Letters Patent is:

1. A metal table structure of the character described, comprising a circular main frame of L-shaped cross-sectional form, said frame comprising an annular top wall and a depending outer wall, a reinforcing frame having circumferentially spaced corner portions arranged upon and secured to the lower surface of the top wall of the main frame to brace said main frame, the main frame having circumferentially spaced upwardly protruding lugs for definitely positioning a table top upon the upper wall of the main frame, a plurality of legs having mounting portions at their upper ends snugly fitting within the corner portions of the reinforcing frame, and fastening means for securing the mounting portions of said legs to said reinforcing frame.

2. A metal table structure of the character described, comprising a circular main frame of L-shaped cross-sectional form, said frame comprising an annular top wall and a depending outer wall, a reinforcing frame having circumferentially spaced corner portions arranged upon and secured to the lower surface of the top wall of the main frame to brace said main frame, the main frame having circumferentially spaced upwardly protruding lugs for definitely positioning a table top upon the upper wall of the main frame, a plurality of legs having mounting portions at their upper ends snugly fitting within the corner portions of the reinforcing frame, fastening means for securing the mounting portions of said legs to said reinforcing frame, said reinforcing frame being defined by a horizontal top wall and a depending outer wall, and said outer wall seating upon shoulder portions of said leg members.

3. A metal table structure of the character described, comprising a circular main frame of L-shaped cross-sectional form, said frame comprising an annular top wall and a depending outer wall, a reinforcing frame having circumferentially spaced corner portions arranged upon and secured to the lower surface of the top wall of the main frame to brace said main frame, the main frame having circumferentially spaced upwardly protruding lugs for definitely positioning a table top upon the upper wall of the main frame, a plurality of legs having mounting portions at their upper ends snugly fitting within the corner portions of the reinforcing frame, fastening means for securing the mounting portions of said legs to said reinforcing frame, said reinforcing frame being rectangular in form and defined by a horizontal top wall and a depending peripheral wall, the top wall having intersecting surfaces at corner portions of said frame, and the mounting portions of said legs fitting snugly within corner portions of said reinforcing frame.

4. A metal table structure of the character described, comprising a circular main frame of L-shaped cross-sec-

tional form, said frame comprising an annular top wall and a depending outer wall, a reinforcing frame having circumferentially spaced corner portions arranged upon and secured to the lower surface of the top wall of the main frame to brace said main frame, the main frame having circumferentially spaced upwardly protruding lugs for definitely positioning a table top upon the upper wall of the main frame, a plurality of legs having mounting portions at their upper ends snugly fitting within the corner portions of the reinforcing frame, fastening means for securing the mounting portions of said legs to said reinforcing frame, said reinforcing frame being rectangular in form and defined by a horizontal top wall and a depending peripheral wall, the top wall having intersecting surfaces at corner portions of said frame, the mounting portions of said legs fitting snugly within corner portions of said reinforcing frame, and the fastening means comprising bolts keyed to the depending walls of the reinforcing frame and housed within the lower surface of the top walls of said reinforcing frame.

5. In tables having detachable supporting legs, a table top frame for detachable mounting of a table top, said frame comprising a peripheral main frame member of predetermined contour, a supplemental bracing frame member extending between peripheral portions of the main frame member and permanently fixed thereto, a plurality of legs having mounting portions at the upper

ends thereof conforming with and seating in spaced portions of the bracing frame member, and fastening devices for detachably coupling the mounting portions of said legs with said bracing frame member.

6. In tables having detachable supporting legs, a table top frame for detachable mounting of a table top, said frame comprising a peripheral main frame member of predetermined contour, a supplemental bracing frame member extending between peripheral portions of the main frame member and permanently fixed thereto, a plurality of legs having mounting portions at the upper ends thereof conforming with and seating in spaced portions of the bracing frame member, fastening devices for detachably coupling the mounting portions of said legs with said bracing frame member, and the upper ends of said leg members having shoulder portions, upon which said bracing frame seats.

References Cited in the file of this patent

UNITED STATES PATENTS

1,187,972	Cook	June 20, 1916
1,240,390	Uhl	Sept. 18, 1917
1,689,645	Turk	Oct. 30, 1928
1,760,036	Bellows	May 27, 1930
2,230,684	Hawpe	Feb. 4, 1941
2,811,402	Irwin	Oct. 29, 1957