June 30, 1953 C. P. MOLLA 2,643,927

BRACKET COUPLING FOR KNOCKDOWN TABLE-TYPE FURNITURE

Filed Dec. 29, 1950

Fig. 1.

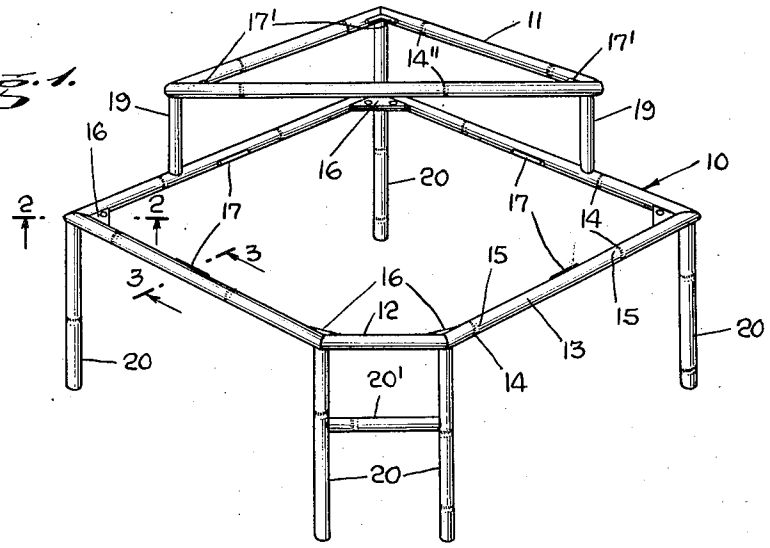


Fig. 2.

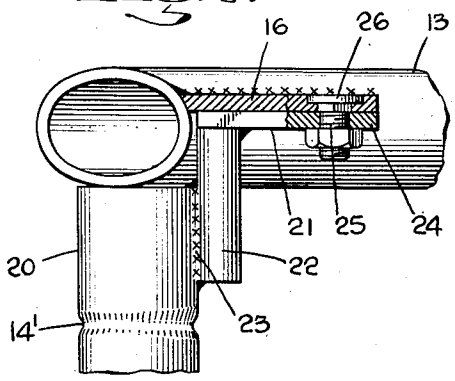


Fig. 3.

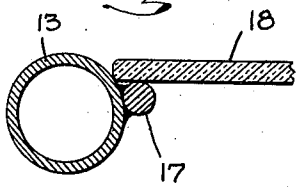
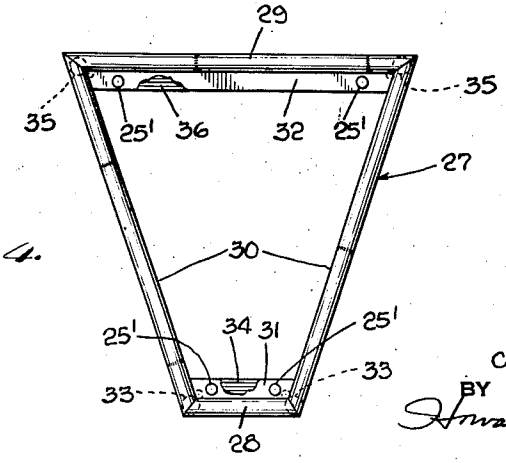


Fig. 4.



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Patented June 30, 1953 2,643,927

UNITED STATES PATENT OFFICE

2,643,927

BRACKET COUPLING FOR KNOCKDOWN TABLE-TYPE FURNITURE

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Application December 29, 1950, Serial No. 203,328

4 Claims. (Cl. 311—105)

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This invention relates to table-type furniture of the knockdown or collapsible type facilitating compact packaging thereof for shipment. More particularly, the invention deals with table furniture of the character defined constructed of indented tubing to simulate in the finished furniture bamboo or rattan. Still more particularly, the invention deals with the provision of special leg members for detachable mounting with the table frame to facilitate reduction of the size of the furniture to substantially the size of the frame construction of the table.

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 perspective view of a lamp-type table made according to my invention and omitting the table tops.

Fig. 2 is an enlarged section substantially on the line 2—2 of Fig. 1, with parts of the construction shown in elevation.

Fig. 3 is an enlarged section on the line 3—3 of Fig. 1 showing a glass table top, which is omitted from Fig. 1; and

Fig. 4 is a plan view of a modified form of table with parts of the construction broken away.

In Fig. 1 of the drawing, I have shown what I term a "lamp table" comprising a main table member 10 and a raised triangular lamp supporting table member 11 disposed at one corner portion of the table 10. The table 10 is generally rectangular in form, except that one corner, namely the corner opposite the raised frame 11 has a short straight portion 12, which straight portion will be regarded as the front of the table. The main table 10 comprises a tubular frame 13 having, at irregular spaced intervals, indentations 14, the indentations being preferably darkened in the coating of the resulting table, the darkened areas being indicated, as the shading at 15. This construction is carried out throughout the entire furniture and gives to the entire furniture the appearance of bamboo or rattan, particularly in coloring the furniture with a color simulating bamboo or rattan.

All of the intersecting corner portions of the frame 13 are welded together, so as to form a complete unitary frame and the corner portions are reinforced by angular bracket plates 16, one of which is shown in enlarged sectional detail in Fig. 2 of the drawing.

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In Fig. 2, a face view of one end of the frame 13 is shown in elevation, rather than in section for the reason that, in some instances, it may be desirable to eliminate the welding of the surfaces together and to rely solely on the corner bracket plates 16 to hold the frame in assembled relationship.

The frame 13 has, intermediate its corners, table top supporting rods 17 welded thereto and at a level corresponding with that of the brackets 16, so as to provide supports for a glass or other table top 18, as is indicated only in Fig. 3. This table top is shaped to fit within the general contour of the frame 13. The triangular frame 11 is supported on three upstanding members 19 welded to the frame 13, as well as to corner portions of the table frame 11 and corner portions of the table frame 11 have rods 17' welded thereto, similar to the rods 17 for support of a table top, similar to the top 18, but which is not shown.

At 20 I have shown five leg members disposed at corner portions of the frame 13. These leg members have welded to the inner surfaces thereof brackets 21 comprising vertical rod portions 22 welded directly to the leg members, as indicated at 23, and horizontal triangular portions 24, upon which the corner brackets 16 rest, the brackets 16 and 21 being secured together by bolts 25, the heads 26 of which are preferably countersunk in the brackets 16, as shown.

In Fig. 2 of the drawing, I have shown in one of the leg members 20 an indentation 14', similar to the indentations 14 of the frame 13, thus clearly illustrating how all of these indentations are formed. The indentations in the frame 11 are indicated at 14''.

In Fig. 4 of the drawing, I have shown a modified form of table which consists of a top frame 27 comprising a short front member 28, a longer back member 29 and two long sides 30. The various parts of the frame 27 are joined by a front bracket strip 31 and a rear bracket strip 32, which is welded to the adjacent frames 28, 30 and 29, 30, as will be apparent and, if desired, the intersecting corner portions of the respective members 28, 29 and 30 can also be welded together.

At 33 I have indicated a pair of front leg members, generally similar to the leg members 20, but these leg members are joined by a bracket plate 34, generally similar to the corner bracket plates 21, except that they are arranged in tandem and, thus, produce what might be termed a pair of leg members. In like manner, a similar pair of leg members 35 are employed at the rear portion of

the table and these leg members are joined in tandem by a long bracket plate **36** and the plates **34** and **36** are arranged beneath the bracket strips **31**, **32** and are secured thereto by bolts **25'**, similar to the bolts **25**.

With this construction, the bracket plates **31** and **32** form supports for a top table member, similar to the table member **18**.

Two of the leg members **20** of Fig. 1, at the front of the table, are united by a brace rod **29'**, so as to form a pair of leg members, as with the structure shown in Fig. 4.

The various indented tubings referred to in the table members may be regarded as "crimped" tubings for purposes of description and the detachable leg members as "leg units" which, in some instances, are bound together by the bracing rods.

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

1. In a table having a table top frame with spaced corner portions and apertured brackets fixed in said corner portions, said brackets being spaced from upper and lower surfaces of the frame, leg members supporting said corner portions, each leg member having, at its upper end, a bracket comprising an apertured plate extending above and spaced from the upper end of the leg member, and a depending rod extending onto and fixedly secured to the inner surface of the leg member at said upper end.

2. An article of metal furniture in the form of a table fashioned to represent rattan, said article comprising a table top frame of predetermined peripheral contour, said frame being formed of a plurality of metal tubes crimped at spaced intervals, crimped tubular leg units at corner portions of the table frame, said units and table frame having interengaging brackets extending inwardly from the tubes thereof and arranged in spaced relationship to the upper and lower surfaces of the tubes of the table top frame, and means passed through said brackets detachably coupling the leg units with said frame.

3. An article of metal furniture in the form of a table fashioned to represent rattan, said article comprising a table top frame of predetermined peripheral contour, said frame being formed of a plurality of metal tubes crimped at spaced intervals, crimped tubular leg units at corner portions of the table frame, said units and table frame having interengaging brackets extending inwardly from the tubes thereof and arranged in spaced relationship to the upper and lower surfaces of the tubes of the table top frame, means passed through said brackets detachably coupling the leg units with said frame, the brackets of the leg units comprising rods welded to inner surfaces of the upper ends of the tubes of said units and extending above the top of said tubes, and triangular plates at the upper ends of said rods and spaced from the top of said leg units, said plates being arranged centrally with respect to upper and lower surfaces of said frame.

4. An article of metal furniture in the form of a table fashioned to represent rattan, said article comprising a table top frame of predetermined peripheral contour, said frame being formed of a plurality of metal tubes crimped at spaced intervals, crimped tubular leg units at corner portions of the table frame, said units and table frame having interengaging brackets extending inwardly from the tubes thereof and arranged in spaced relationship to the upper and lower surfaces of the tubes of the table top frame, means passed through said brackets detachably coupling the leg units with said frame, the brackets of the leg units comprising rods welded to inner surfaces of the upper ends of the tubes of said units and extending above the top of said tubes, triangular plates at the upper ends of said rods and spaced from the top of said leg units, said plates being arranged centrally with respect to upper and lower surfaces of said frame, and the tubular members of the table frame having intermediate corner portions thereof, rods welded to inner surfaces thereof and spaced from upper and lower surfaces of said tubular members for support of a top plate for the table frame.

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