

Aug. 30, 1949.

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2,480,559

LEG CONSTRUCTION FOR TABLE FRAMES

Filed March 12, 1946

2 Sheets-Sheet 1

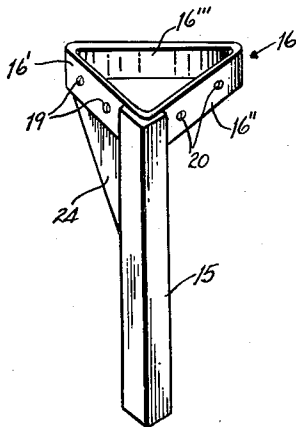


Fig. 1.

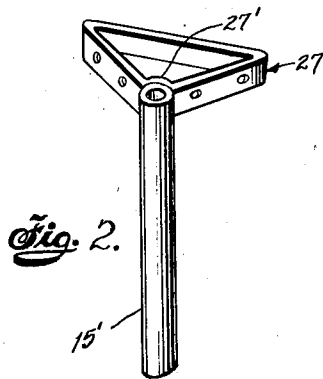


Fig. 2.

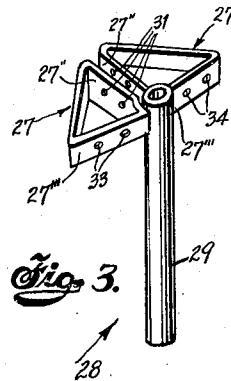


Fig. 3.

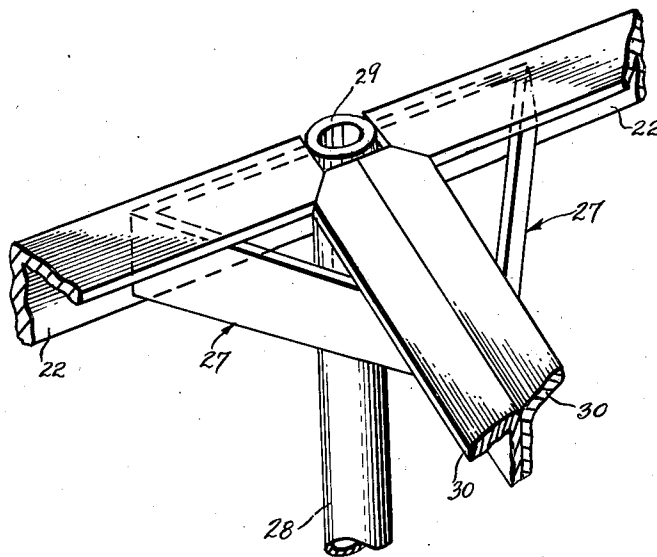


Fig. 5.

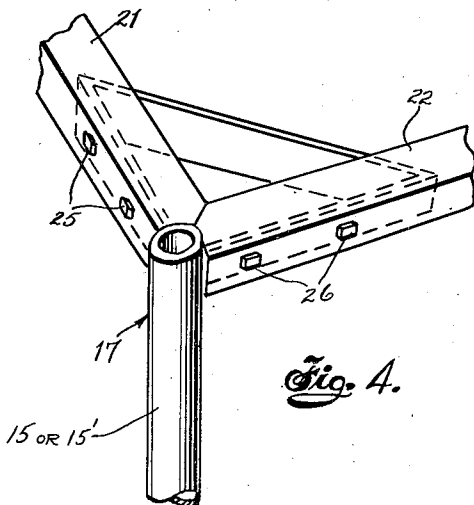


Fig. 4.

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Fig. 7.

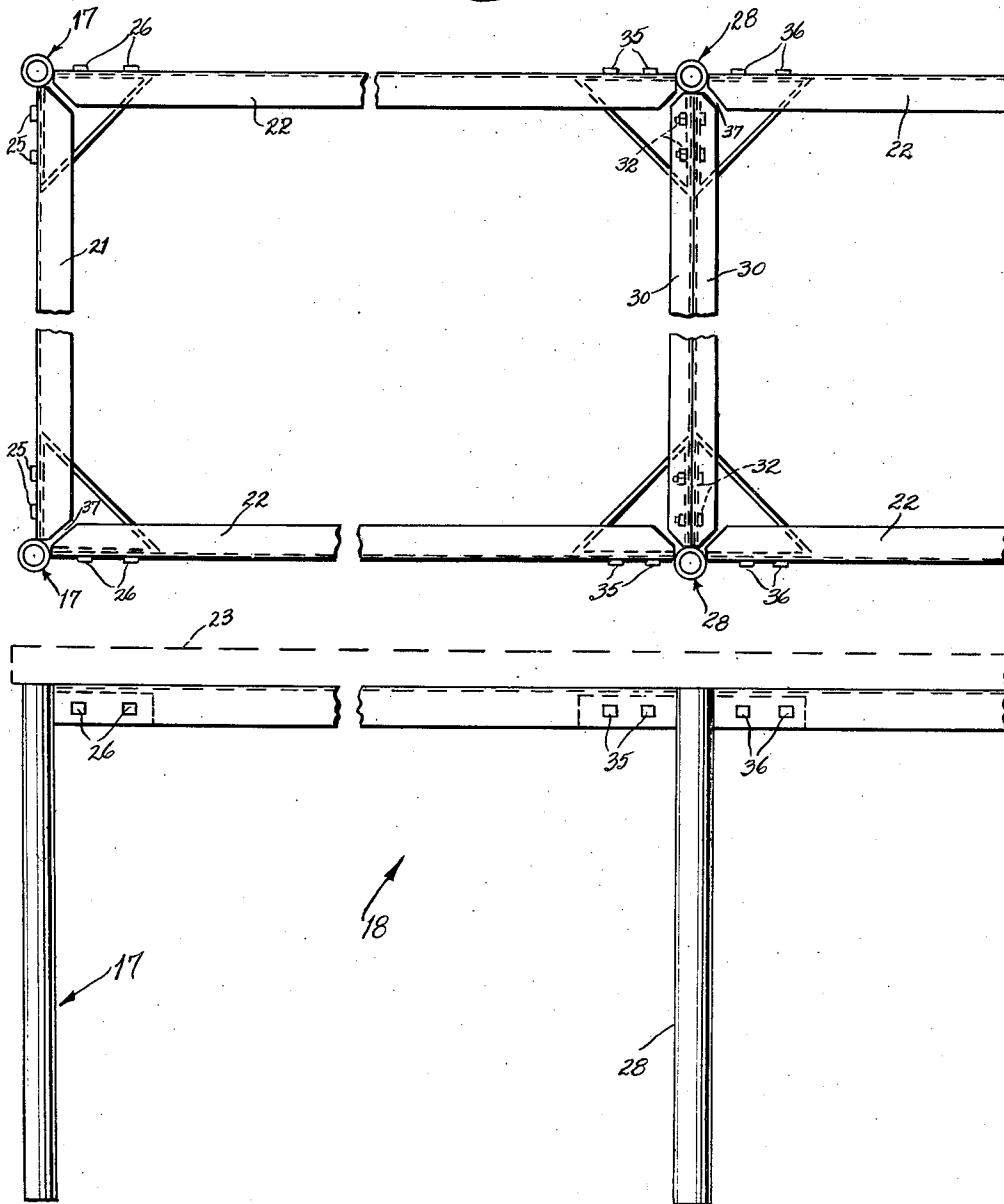


Fig. 6

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UNITED STATES PATENT OFFICE

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LEG CONSTRUCTION FOR TABLE FRAMES

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Application March 12, 1946, Serial No. 653,760

1 Claim. (Cl. 311-110)

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The present invention relates to table structures for use in industrial plants and more particularly to the "knock down" type.

An object of this invention is to provide a novel and improved table construction of the character mentioned, comprising legs, frame parts and top members, needing only to be bolted together to effect a table assembly which is strong, sturdy, easy to clean, simple to manufacture, reasonable in price and easy to assemble.

Another object hereof is to provide novel and improved constructions in table legs and associated frame parts whereby tables of different sizes may be built up where needed, and made longer or shorter as may be required.

A further object of this invention is to provide novel and improved constructions in tables for industrial uses of the type set forth, made of standard structural iron materials, which are efficient in carrying out the purposes for which they are designed.

Other objects and advantages will become apparent as this disclosure proceeds.

In the accompanying drawings forming part of this specification, similar characters of reference indicate corresponding parts in all the views.

Fig. 1 is a perspective view of a table leg embodying the teachings of this invention.

Fig. 2 is a similar view of a slightly modified form thereof.

Fig. 3 is a perspective view of a table leg following the teachings of the present invention, adapted to serve as a leg intermediate the corner legs of a table which is comparatively long.

Fig. 4, is a fragmentary perspective view showing the manner in which the leg of Fig. 2 is joined to the table frame to serve as a corner leg of the table.

Fig. 5 is a fragmentary perspective view showing the manner of joining the intermediate leg of Fig. 3 to the table frame.

Fig. 6 is a front view of a "knock down" table made in accordance with this invention; only about half of the entire table being shown.

Fig. 7 is a plan top view of Fig. 6 with table top omitted, in order to better show the table frame and leg assembly.

In the drawings, the numeral 15 designates an upright leg post made of angle iron, at the top region of which is integrally joined a comparatively short triangular tubular member 16, whereby the upper rim of said member is substantially horizontal, and the region of juncture is to the exterior of said member 16 at a vertex thereof. The term integral as herein used, shall

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be deemed to mean of one piece or made into one piece as for instance by welding. To serve as a corner leg indicated generally by the numeral 17, of a table 18, components 16' and 16'' are in right angle relation; component 16''' serving as a brace, and holes 19 and 20 are provided for bolting elongated, preferably angle iron members 21 and 22 thereto to build up a table frame on which may be mounted a plate 23 to be the table top. If desired, a plate 24 may be integrally joined to members 15 and 16, to serve as an additional brace means. The numerals 25 and 26 designate bolts for securing the joint assembly; the angle iron members having suitable holes in register with 19 and 20 respectively for such purpose. If desired, a tubular post member 15' may be used instead of the angle iron form 15, in which instance the vertex at juncture in order to make a proper welding joint, is made to conform to the surface of tube 15', as at 27' in bracket member 27, which is otherwise akin to 16.

In the intermediate leg 28, two identical members 27 are joined integral to post member 29, whereby components 27'' are in spaced parallel relation to admit therebetween the pair of angle iron members 30, having holes in registry respectively with the holes 31, for the bolts 32, while the components 27''' are coplanar and provided with holes 33 and 34 for the bolts 35 and 36 respectively. The upper rims of members 27 in Fig. 3, are coplanar.

It is evident that with a supply of legs as shown complete in Figs. 1, 2 and 3, and angle iron frame members 21, 22 and 30, and top plate 23 in one or more parts and bolts, all of which may be shipped "knocked down," meaning not assembled as a table structure, tables of any desired length may be built up where needed. Additions may be made thereto, to make such existing tables longer, or sections removed to make shorter tables. For assembly, only bolting said parts together is necessary.

It is advisable to mitre cut the ends of the angle iron frame members, as at 37, and for said frame to be flush with the leg tops, the bracket members 16 and 27 need be joined to the leg post members a little below the leg tops. It is to be noted that frame members 22 and 30 are identical.

This invention is capable of numerous forms and various applications without departing from the essential features herein disclosed. It is therefore intended and desired that the embodiments set forth herein be deemed illustrative and not restrictive; reference being had to the follow-

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ing claims rather than to the particular descriptions herein to indicate the scope of this invention.

I claim:

A table comprising a plurality of legs, positioned one at each corner, each leg including a bracket member comprising a relatively short, substantially triangular tube positioned vertically, whereby its upper rim is horizontal, a relatively tall upright post member joined at its upper region integral to the exterior of said bracket member on a vertex of the bracket member; the thickness of the walls of said tube being comparatively small with respect to the length of said tube, a pair of elongated angle members horizontally positioned whereby one surface thereof is horizontal and the other surface extends vertically downward; said angle members respectively being positioned over and detachably connected to the arms of the bracket which form said vertex, and a table top member positioned atop said angle

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members, free of the bracket member; said angle members constituting a frame for supporting the table top member.

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