Oct. 18, 1932. M. THUM 1,882,678

TABLE

Filed Feb. 20, 1930

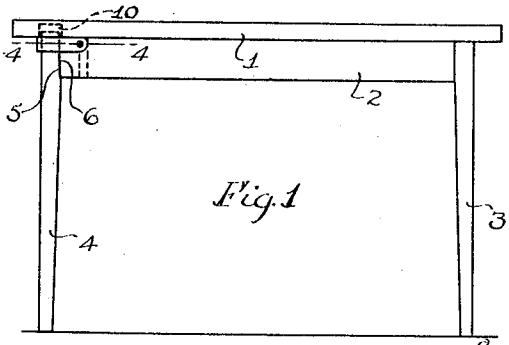


Fig. 1

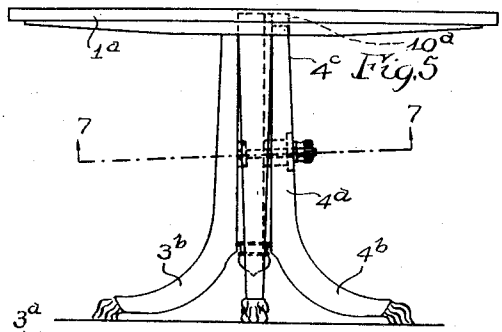


Fig. 5

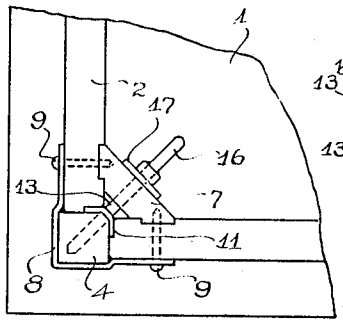


Fig. 2

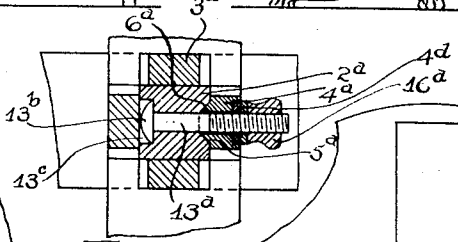


Fig. 7

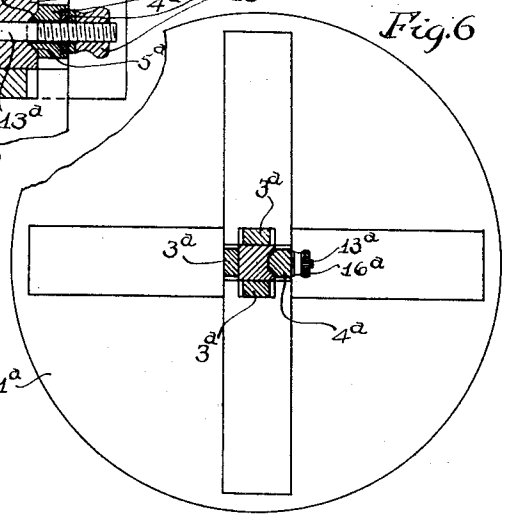


Fig. 6

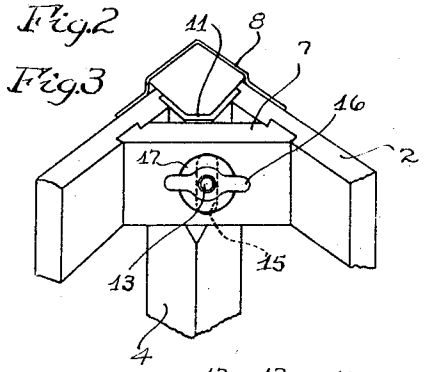


Fig. 3

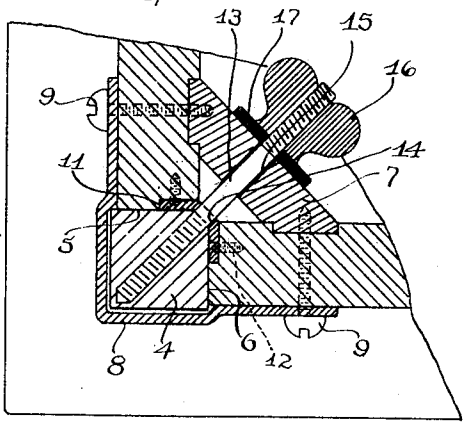


Fig. 4

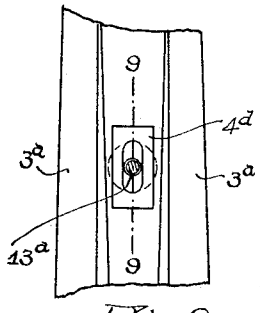


Fig. 8

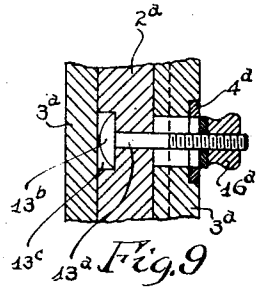


Fig. 9

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UNITED STATES PATENT OFFICE

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TABLE

Application filed February 20, 1930. Serial No. 430,055.

The present invention relates to tables and an object thereof is to provide a novel means for effecting the vertical adjustment of one of the legs of the table to permit the leveling of the table on an uneven surface. Another object of the invention is to provide a table having a vertically adjustable leg with a pocket in which the upper end of the leg may be concealed. Still another object of the invention is to obtain increased binding action between an adjustable leg and a table part when upward pressure is applied to the leg.

To these and other ends, the invention consists of certain parts and combinations of parts all of which will be hereinafter described: the novel features being pointed out in the appended claim.

In the drawing:

Fig. 1 is a view in elevation of one embodiment of the invention;

Fig. 2 is a fragmentary bottom view of the embodiment shown in Fig. 1;

Fig. 3 is a fragmentary perspective view of the same embodiment;

Fig. 4 is a section on the line 4—4, Fig. 1;

Fig. 5 is a plan view of another embodiment;

Fig. 6 is a bottom view of the embodiment shown in Fig. 5;

Fig. 7 is an enlarged section on the line 7—7, Fig. 5;

Fig. 8 is a fragmentary side view of the embodiment shown in Fig. 5; and

Fig. 9 is a fragmentary vertical section on the line 9—9, Fig. 8.

In the embodiment shown in Figs. 1 to 4 inclusive, the invention is illustrated in a kitchen table which has a top 1, four side pieces 2 and three legs 3 rigidly secured in place. The fourth leg 4 is vertically adjustable so that the table may be leveled against tilting on an uneven surface.

It is preferred to form the adjacent ends 5 of the two proximate side pieces so that they are at slight angles to the vertical and lie in converging relation to each other, and the two adjacent converging faces 6 of the leg 4 also are at slight angles to the vertical. It is apparent that if the leg 4 has its converging faces 6 drawn against the converging faces 5 a binding action will be effected and an upward pressure on the leg or a downward pressure on the top will further increase this binding action due to the faces 5 and 6 being at angles to the vertical. It is preferred to connect the side rails firmly together, and this may be effected by a brace 7 arranged on the inner side of and secured to the side rails. A metallic strap 8 which passes about the outer face of the leg 4 in close proximity to the under side of the top, the ends of the strap being secured to the outer faces of the side rails 2 by bolts 9 which also pass into the brace 7. The under side of the top 1 may be provided with a pocket 10 directly above the leg 4 and this pocket together with the pocket formed by the strap 8 serves to prevent the gap between the upper end of the leg and the table top being visible. An angular metal plate 11 may be counter sunk in the adjacent end of the rails 2 to still further connect the rails 2, being secured in position by screws 12.

With the end in view of producing a binding action between the converging faces of the leg 4 and the adjacent ends of the rails 2, a screw 13 may be passed into the leg 4 and extend from the latter laterally through a vertical slot 14 in the plate 11 and also through a vertical slot 15 in the brace 7. The free end of this screw is screw threaded and carries a thumb nut 16 abutting a washer 17 on the adjacent face of the brace 7.

In the embodiment of the invention shown in Figs. 5 to 9 inclusive, the invention is illustrated in a pedestal table in which 1^a indicates the top from which depends a pedestal 2^a against three sides of which are rigidly secured the upright portions 3^a of the legs or feet 3^b. The fourth side of the pedestal is provided with converging faces 5^a with which engage converging faces 6^a on the upright portion 4^a of a leg or foot 4^b. The outer face of the upright portion 4^a of the leg has a face 4^c inclined to the vertical.

In order to draw the converging faces 6^a into binding engagement with the converging faces 5^a, a tightening means is provided comprising a bolt 13^a passed through the pedes-

tal 2^a laterally and having a head 13^b seated in a pocket 13^c in the pedestal behind one of the leg uprights 3^a. The screw threaded end of the bolt projects laterally from the pedestal through the upright portion 4^a of the adjustable leg, the latter being provided with a vertical slot for the passage of the bolt. The axis of the bolt is at a slight angle to the horizontal and at right angles to the inclined outer face of the adjustable leg. A nut 16^a on the bolt cooperates with a wear plate 4^d counter sunk in the inclined face 4^e to draw the converging faces 6^a against the converging faces 5^a to produce the binding action and the cooperation of the nut with the inclined wear plate 4^d increases this binding action on upward pressure on the adjustable leg or downward pressure on the table top. A pocket 10^a is provided at the upper end of the adjustable leg to hide the gap between the upper end of the leg and the table parts.

In both embodiments of the invention converging faces on an adjustable leg are drawn into engagement with converging faces on a fixed part of the table by a bolt carried by one of said parts and working in a vertical slot in the other part. The adjustable leg in both instances has a surface inclined to the vertical and increasing the binding engagement between the leg and a table part on which the leg is adjustable upon upward pressure on the adjustable leg. A pocket is provided at the upper end of the adjustable leg in both embodiments to prevent a gap being visible at the upper end of the leg.

What I claim as my invention and desire to secure by Letters Patent is:

In a table, a top, a pair of side rails carried by the top and arranged at an angle to each other and having adjacent end faces spaced apart and converging upwardly at a corner of the table, a leg having inner side faces converging upwardly and fitted against the converging end faces of the rails, horizontally operating means for drawing said leg inwardly to clamp the converging faces thereof against the converging end faces of the rails whereby the top of the table will be prevented from creeping downwardly, and a strap connecting the outer faces of the side rails and arranged exteriorly of said leg.

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