

Oct. 11, 1927.

J. F. McGLOTHERN

1,645,336

TABLE

Filed May 6, 1926

Fig. 1.

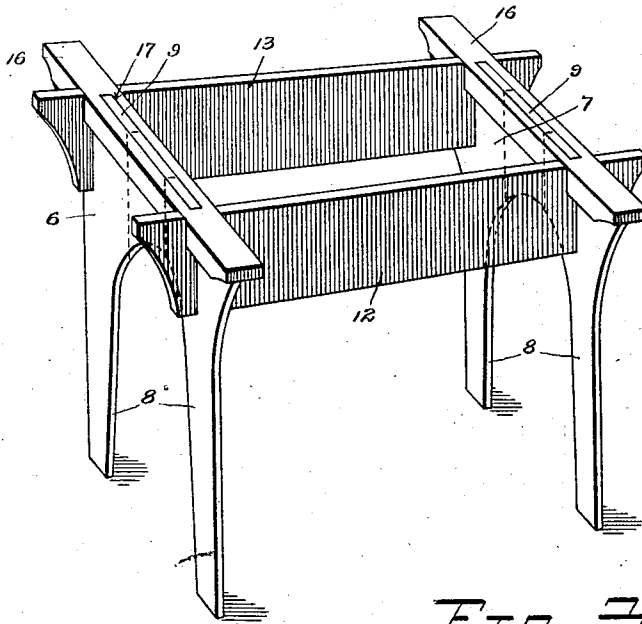


Fig. 2.

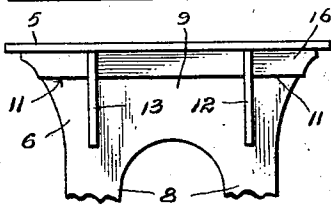


Fig. 3.

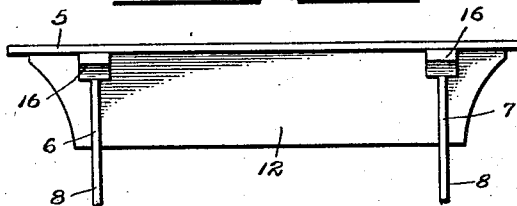


Fig. 5.

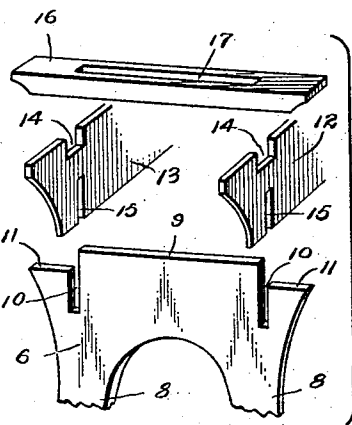
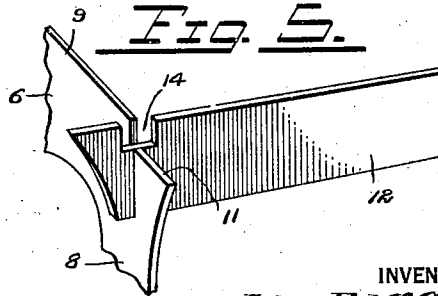


Fig. 4.

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UNITED STATES PATENT OFFICE.

JOHN F. MCGLOTHERN, OF SEATTLE, WASHINGTON.

TABLE.

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My invention relates to tables and the principal objects of the invention are to provide a table of the knock-down type with locking joints whereby the table may be assembled in rigid form entirely without the use of nails, screws or other fastening means. Other objects are to provide corner locking joints that are independent of any other fastening means and which may be used in securing the corners of any article of manufacture to which they are adapted. Further objects are to provide a table with locking joints that are simple and durable in construction, substantial and efficient in use, and that are comparatively inexpensive to manufacture.

With the above and other objects in view which will appear as the description proceeds, the invention consists of the novel construction, adaptation, combination and arrangement of parts hereinafter described and claimed. These objects are accomplished by devices illustrated in the accompanying drawings, wherein—

Figure 1 is a view in perspective of a table frame embodying the features of my invention;

Fig. 2 is a view in end elevation of the upper portion of the table;

Fig. 3 is a view in side elevation of the same;

Fig. 4 is a group view in perspective showing relative positions of the fragmentary parts in the assemblage; and

Fig. 5 is a view in perspective showing fragmentary parts of the end and side members in engagement.

Referring to the drawings throughout which like reference numerals designate like parts, the numeral 5 indicates the table top, and the numerals 6 and 7 designate the two end members that are provided with legs 8. The end members are each provided with an upstanding tongue 9 having slots 10 at either of its sides and foreshortened shoulders 11 outwardly adjacent said slots.

Side members 12 and 13 are each provided at both their upper end portions with relatively wide slots 14 and at both their lower end portions with relatively narrow slots 15, disposed centrally below said wide slots. Referring to Fig. 4 of the drawings, it will be understood that the slots 10 and 15 are of equal widths and said widths are equal to the thickness of the material in which they are cut. Therefore as said slots are slipped

one within the other they will overlap in the position shown in Fig. 5 with the upper walls of slots 15 resting on the lower walls of slots 10 as will be readily understood.

In order to complete the assemblage of the table framework it is only necessary to install the transverse locking members 16 at either end thereof by slipping their slots 17 over the tongues 9 of the end members. The slots 10 and 15 are so proportioned in depth that the shoulders 11 will be on the level and flush with the bottoms of the wide slots 14 when the side members 12 and 13 are installed on the end members 6 and 7 and the upper edges of said members will be on a level with the upper edges of the tongues 9.

The thicknesses of the locking members 16 are equal to the distance between the shoulders 11 and upper edges of the tongues 9 which is the same as the depths of the slots 14. Therefore when said locking members are installed their lower edges will rest on the shoulders 11 and bottoms of the slots 14, while their upper edges will be on a level and flush with the upper edges of the side members 12 and 13 and tongues 9 making a flush bearing for the top 5. It will be understood that the locking members 16 are glued or otherwise secured to the underside of the table top prior to assemblage of the members.

While I have described the different members in a collective sense it will be understood that my invention resides essentially in the joints at all four corners of the table. In this preferred embodiment I have shown each of the end members 6 and 7 as one piece together with their legs 8. I sometimes cut said end members in two pieces, as indicated by dotted lines in Fig. 1, and provide two short slots in the locking members 16 for the two tongues formed by cutting said members instead of the one long slot 17. The function of the several members will, of course, remain the same.

While I have described my device with some particularity it will be understood that I intend no limitations except in so far as may be imposed by the appended claims, and that such changes may be resorted to as are within the scope and spirit of the invention. Having thus described my invention what I claim and desire to secure by Letters Patent of the United States is:—

1. A table comprising end members having slots therein, upstanding tongues be-

tween said slots, foreshortened shoulders outside the slots, side members having relatively narrow slots on the undersides of their end portions adapted to overlappingly fit within the slots of said end members, said side members having relatively wide slots on the upper sides of their end portions disposed vertically above said narrow slots, the bottoms of said wide slots disposed flush with said foreshortened shoulders in the assembled positions, transverse locking members having slots arranged to fit over said tongues, said locking members disposed within said wide slots with their undersides resting on the bottoms thereof and on said shoulders, the upper sides of said locking members, tongues and side members disposed in a horizontal plane in

the assembled position, and a top secured to said locking members.

2. A corner joint comprising a slotted end member, an upstanding tongue, a foreshortened shoulder, a side member having a relatively narrow slot at the underside of its end portion overlapping the slot in said end member, said side member having a relatively wide slot at the upper side of its end portion disposed centrally above said narrow slot, and a transverse locking member disposed within said wide slot having a slot fitted over said upstanding tongue.

In witness whereof, I hereunto subscribe my name this 2nd day of February, A. D. 1926.

JOHN F. McGLOTHERN.