Aug. 10, 1926.

1,595,129

A. WAGNER

FOLDING TABLE

Filed July 2, 1924

Fig. 1.

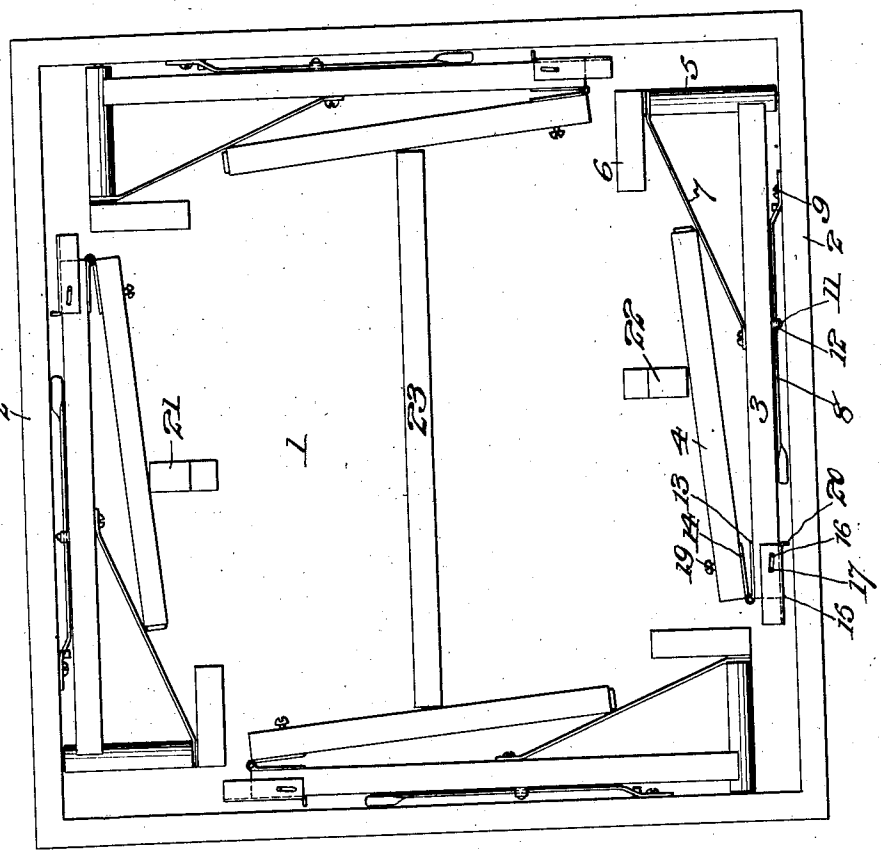


Fig. 3.

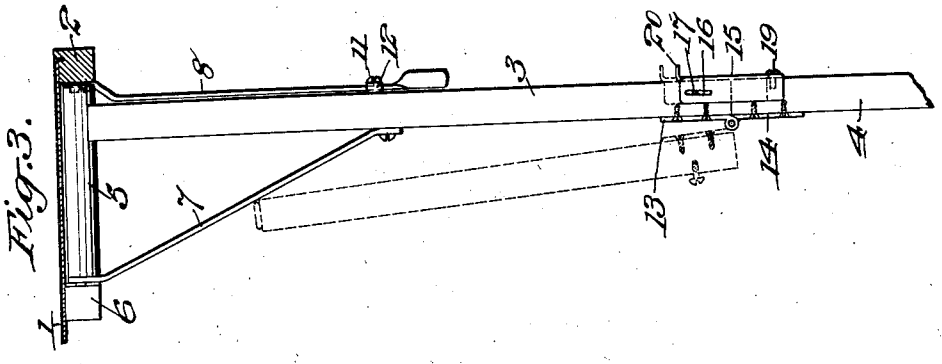
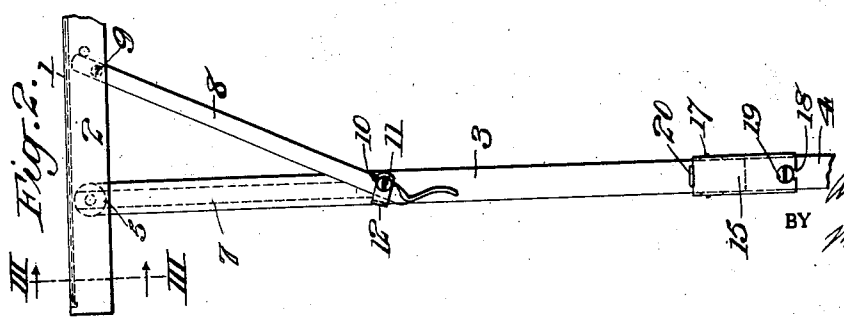


Fig. 2.



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UNITED STATES PATENT OFFICE.

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FOLDING TABLE.

Application filed July 2, 1924. Serial No. 723,680.

The object of my invention is to produce a folding table in which the folding legs each comprises an upper member hinged to the table top and a lower member hinged to the free end of the upper member, thus providing a structure in which the legs are capable of being folded within the plane of the table top frame and are capable of being unfolded to position the table top at the desired height from the floor and at the same time allowing the provision of a table top of small size, rendering the table particularly well adapted for use in crowded quarters as for instance where a large number of tables are desired to be used in a given space.

A further object is to provide novel means for locking the lower leg members tightly to the upper leg members when the legs are unfolded for use so that the legs will be very rigid.

A practical embodiment of my invention is represented in the accompanying drawings, in which—

Fig. 1 represents a bottom plan view of the table with the legs folded within the plane of the table top frame.

Fig. 2 represents a detail side view of the table with the leg unfolded and locked, as in use.

Fig. 3 represents a detail section taken in the plane of the line III—III of Fig. 2.

The table top is denoted by 1 and the encircling table top frame by 2. Each of the folding legs comprises an upper leg member 3 hinged to the table top and a lower leg member 4 hinged to the upper leg member so as to permit the lower leg member to be folded back along the upper leg member within the plane of the table top frame when the leg is in its folded position against the underside of the table top.

In the present instance the upper leg member of each leg is shown as provided with a laterally extended hub 5, pivotally secured between a block 6 and the table top frame 2.

A rigid diagonal brace 7 leads from the upper leg member to the hub and a swinging diagonal brace 8 is pivoted at 9 to the table top 2, which brace has a notch 10 arranged to engage a lock pin 11 projecting from the upper leg member 3, a keeper 12 being provided to guide and hold the brace 8 in position on the leg member.

The straps 13 and 14 of the hinge are secured along the corresponding sides of the upper and lower leg members in position to permit the lower leg member to be folded in the lateral plane of the leg so that when the leg is folded, both leg members will lie close to the underside of the table top within the plane of the table top frame.

Means are provided for tightly locking the two leg members in their unfolded position in alinement, which means is constructed, arranged and operated as follows:

A U-shaped slide 15 snugly embraces the three sides of the leg not connected by the hinge, the sides of which slide are provided with cam slots 16 in which are located pins 17 which project from the opposite sides of the upper leg member 3. This slide 15 has an open slot 18 in its lower end for receiving the shank of a screw 19 carried by the lower leg member, the head of which screw forms a shouldered abutment between which shoulder and the leg member the slide is locked when the slide is in its extended position.

The upper end of the slide is provided with a finger piece for operating the slide, which finger piece is, in the present instance, formed by bending the slide outwardly to form an ear 20.

Means are provided for preventing the lower leg members from swinging away from the upper leg members when the legs are folded against the underside of the table top, which means are herein shown as comprising the blocks 21, 22 and the bar 23.

The inclination of the cam slots 16 in the sides of the slide serve to draw the meeting ends of the leg members tightly together to make the leg rigid.

It will be seen that by providing the folding legs with folding leg members I am enabled to produce a folding table having a relatively small top and relatively long legs, thereby permitting the placing of more tables in a limited space than has heretofore been possible and at the same time positioning the table tops at the desired height from the floor.

It is evident that various changes may be resorted to in the construction, form and arrangement of the several parts without de-

parting from the spirit and scope of my invention; hence, I do not intend to be limited to the particular embodiment herein shown and described, but—

What I claim is:—

In a folding table, the rectangular table top, the encircling frame and the folding legs, each leg comprising an upper leg member arranged to fold along one side of the table top frame against the underside of the table top, a lower leg member hinged to the upper leg member so as to permit the lower leg member to be folded back along the upper leg member within the plane of the table top frame when the leg is in its folded position, means for tightly locking the two leg members together in their unfolded position in alinement, and means on the underside of the table top for preventing the lower leg member from swinging away from its upper leg member when the leg is folded against the underside of the table top.

In testimony, that I claim the foregoing as my invention, I have signed my name this 30th day of June, 1924.

ANDREW WAGNER.