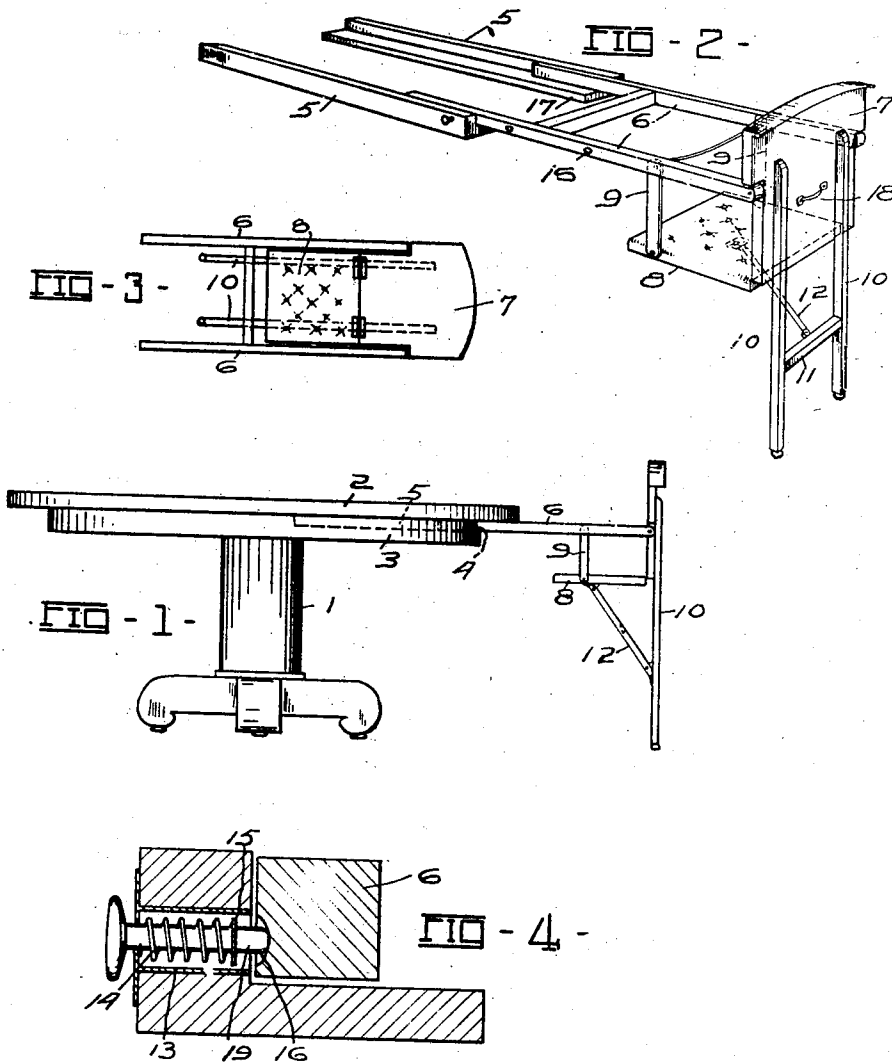


E. L. PURCELL.
FOLDING TABLE CHAIR.
APPLICATION FILED MAR. 3, 1919

1,304,368.

Patented May 20, 1919.



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FOLDING TABLE-CHAIR.

1,304,368.

Specification of Letters Patent.

Patented May 20, 1919.

Application filed March 3, 1919. Serial No. 280,212.

To all whom it may concern:

Be it known that I, EDWARD L. PURCELL, a citizen of the United States, and a resident of Toledo, in the county of Lucas and State of Ohio, have invented a certain new and useful Folding Table-Chair; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the characters of reference marked thereon, which form a part of this specification.

My invention has for its object to provide a combination of a folding chair and a table such that the chair will be readily folded into drawer form and slid beneath the table top. It particularly has for its object to so fold the chair that its parts will be located beneath two planes located at a very short distance apart and so that the parts of the chair will be placed in substantially the same plane. Constructions containing the invention may be used for baby high chairs or may be used for chairs for soda fountains or may be used for combination of chairs and tables wherever such a combination with a folding chair is useful. For purposes of illustration I have selected a construction containing the invention and shall describe the same hereinafter. The construction selected is illustrated in the accompanying drawings.

Figure 1 of the drawings is a side view of the chair and the table to which it is connected. Fig. 2 is a perspective view of the chair when open. Fig. 3 is a top view of the chair when folded. Fig. 4 is a sectional view showing a yieldable lock for locking the chair in any position desired with reference to the table.

1, Fig. 1, is the table to which the folding chair is connected. It is provided with the table top 2 and may be provided with a depending decorative flange 3 commonly found in connection with dining room tables. If desired, a slot 4 may be cut in the flange 3 into which the chair, when folded, may be slid. One or more L bars 5 may be secured to the under side of the table top 2 for receiving one or more slidable bars 6. When the chair is a baby chair, as shown in the drawing, a pair of bars 6 may be used, but when the chair is made for a mature person, one of the bars 6 may be dispensed with in

order that a person may easily seat themselves on a chair without meeting the inconvenience that would be offered by having the two bars 6. The bars 6 form the arms of the baby chair shown in the drawing, as well as the slidable guide bars which connect the chair with the table. The back 7 is pivotally connected to the bars 6 at the outer ends thereof. The seat 8 is pivotally connected to the back 7 and links 9 connect the seat 8 with the bars 6. The lower portion of the back 7 may be provided with a width less than the top portion of the back 7 to provide overhanging parts of the back 7 that will extend over the ends of the bars 6 so that the upper portion of the back 7 will be located slightly beyond the outer surfaces of the ends of the bars 6 and so that the lower portion of the back 7 may swing between the bars 6. The seat 8 has a width substantially the same as the width of the lower portion of the back 7 so that it may also be located between the bars 6. The links 9 are located on the inside of the bars 6 and the connection to the bars is such that they will be substantially parallel with the back 7. By this arrangement the back 7, the seat 8 and the links 9 may be swung or folded in between the bars 6, that is, into the plane of the bars 6.

The legs of the chair may be formed of an extension of the back 7 or they may be secured by being fastened to the back 7. The legs 10 may be connected together by a cross-piece or bar 11. A knuckle jointed link 12 may be located intermediate and connected to the cross-bar 11 and the lower side of the seat 8. The link 12 will maintain the chair in its open position and keep the links substantially in line with the back of the chair and thus support the chair while the bar 6 prevents any forward or backward movement to any material extent. Any such movement, however, may be entirely prevented by the spring pressed pin 12. The pin 12 may be located in a shell 13 that may be secured in one of the L bars 5. The pin 12 extends through the L bar and by the operation of the spring 14, the pin 12 will be pressed against the side of one of the bars 6. The spring operates between a shoulder or washer 15 formed on or secured to the pin 12 and the outer end of the shell 13. The bar 6 against which the pin 12 is pressed by the spring 14, may be provided with indentations or recesses 16

and thereby the rod will be securely locked from any to and fro movement. The holes or sockets 16 may be dish or saucer shaped and the end of the pin 12 may be rounded, that is, made spherical in form, so that the pin 12 will yieldingly resist movement of the rod 6 when the pin 12 enters one of the recesses 16.

The chair may be folded by breaking the knuckle link 12, that is, by moving the joint toward the seat and the upper ends of the legs which will draw the legs 10 toward the seat 8 and at the same time push the seat 8 and carry the lower end of the back 7 into the plane of the rods 6 whereupon the chair thus folded may be pushed along the L bars 5 and underneath the table top 2. The L bars have inwardly extending portions 17 which will extend under not only the rods 6, but also the edges of the seat and back and thus hold them from dropping down when the chair has been folded and slid under the table top 2. In order to open the chair all that is necessary is to pull it out from beneath the table top until the following corners of the seat 8 clear the ends of the L bars, or clears the flange 3, whereupon the chair will drop into position. The back of the chair is provided with a handle 18 whereby the chair may be manipulated. The handle is preferably located below the ends of the bars 6 so that when the seat 8 has been pulled from the ends of the bars 5 the weight of the chair and its relation to the handle 18 will automatically cause the chair to open into position such that the link 12 will swing into position to hold the chair in its open position.

I claim:—

1. In a foldable table chair, a channel member secured to the underside of the table top, a guide rod fitting the channel member and slidably supported in the channel member, a chair back pivotally secured to one side of the rod and supported by the rod

when the rod is slid underneath the table top, a seat pivoted to the chair back, a link connecting the seat and the rod for supporting the seat when the chair is drawn from beneath the table and for swinging the seat into the plane of the chair back and the guide rod when the chair back is turned into the plane of the guide rod.

2. In a foldable table chair, channel members secured to the underside of the table top, guide rods fitting the channel members and slidably supported in the channel members, a chair back pivotally secured to and between the ends of the guide rods, a seat pivotally connected to the chair back, links connected to the seat and to the guide rods for moving the seat into the plane of the rods when the chair back is rotated between the guide rods and into the plane of the guide rods.

3. In a foldable table chair, a pair of guide rods, a pair of L members for receiving the guide rods, a chair back pivotally connected to the guide rods, a seat pivoted to the back, links connecting the seat with the guide rods and located substantially parallel with the chair back, legs connected to the chair back, a knuckle joint connecting the legs with the seat.

4. In a foldable table chair, a pair of guide rods, a pair of L members for receiving the guide rods, a chair back pivotally connected to the guide rods, a seat pivotally connected to the back, links connecting the seat with the guide rods and located substantially parallel with the chair back, legs connected to the chair back, a knuckle joint connecting the legs with the seat, the L members having portions extending beneath the rods and the edges of the seat and back when the chair is in its foldable position.

In testimony whereof I have hereunto signed my name to this specification.

EDWARD L. PURCELL.