April 28, 1925. 1,535,682

R. H. PLATT, JR

FOLDING TABLE

Filed April 25, 1923

Fig.1.

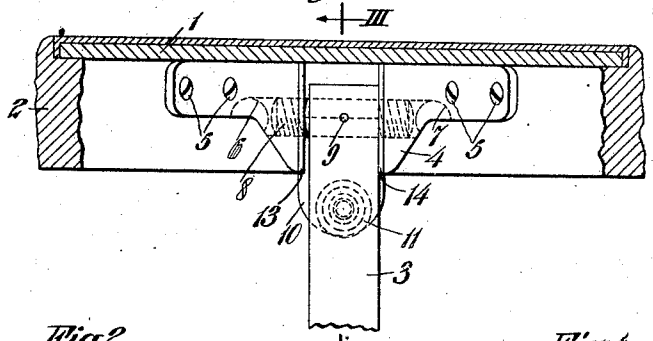


Fig.2.

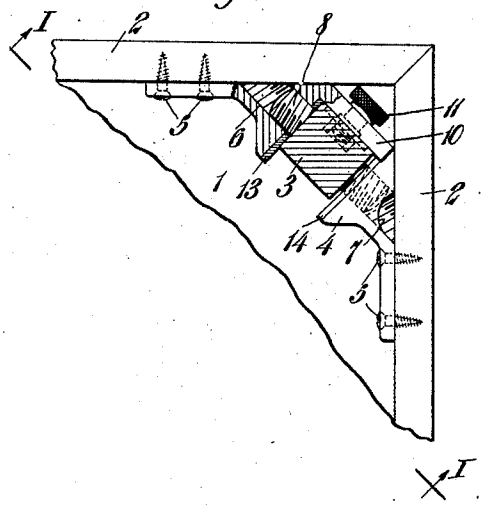


Fig.4.

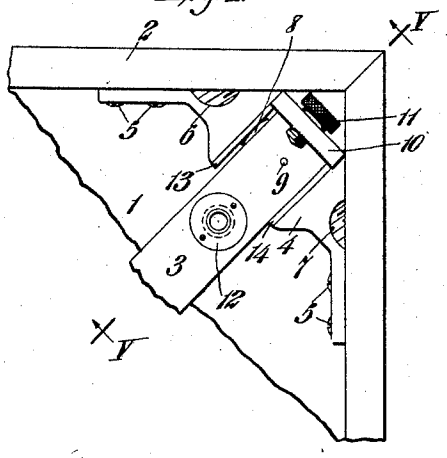


Fig.3.

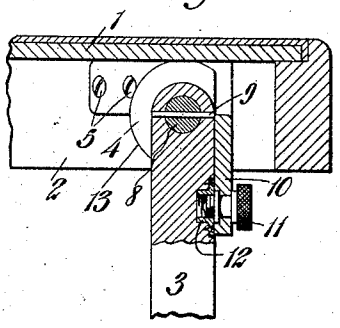
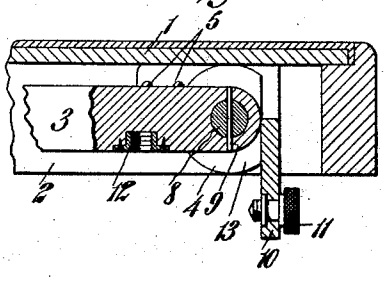


Fig.5.



INVENTOR

Rutherford H. Platt Jr.

BY

Brownell & Brownell

ATTORNEYS

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UNITED STATES PATENT OFFICE.

RUTHERFORD H. PLATT, JR., OF GARDEN CITY, NEW YORK.

FOLDING TABLE.

Application filed April 25, 1923. Serial No. 634,511.

To all whom it may concern:

Be it known that I, RUTHERFORD H. PLATT, Jr., a citizen of the United States, and resident of Garden City, in the county of Nassau and State of New York, have invented a new and useful Improvement in Folding Tables, of which the following is a specification.

My invention is directed to novel means for pivoting the legs to the table top, whereby the legs are automatically brought into frictional engagement with the table top as they are unfolded and folded, one or both, to hold the legs in such position against unintentional displacement; means being employed, if so desired, for limiting the unfolding movement of the legs and for securing the legs in their unfolded position.

My invention more particularly comprises corner brackets secured to the table top, to each of which brackets a leg is pivoted by providing the bracket with oppositely arranged sockets and by providing the leg with a pivot screw-threaded into said sockets, so that as the leg is swung into its unfolded position, the pivot will be unscrewed slightly from one socket and screwed slightly further into the opposite socket to move the leg bodily laterally for bringing one side of the leg into frictional engagement with its adjacent socket sufficient to retain the leg in its unfolded position against unintentional displacement. In swinging the leg into its folded position along the underside of the table top, the screw pivot will reverse its movement for bringing the opposite side of the leg into frictional engagement with its adjacent socket for retaining the leg in its folded position against unintentional displacement. The bracket may be provided with a stop for limiting the unfolding movement of the leg and the stop may be provided with means, such as a screw, arranged to be screwed into the leg when the leg is in its unfolded position for securing the leg rigidly to the said stop.

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

Fig. 1 represents a detail section taken in the plane of the line I—I of Fig. 2.

Fig. 2 represents a detail inverted plan view of the table top at one corner thereof with the leg secured in its unfolded position.

Fig. 3 represents a detail section taken in the plane of the line III—III of Fig. 1.

Fig. 4 represents a detail inverted plan view at one corner of the table top with the leg shown in its folded position.

Fig. 5 represents a detail section like Fig. 3 with the leg in its folded position.

The table top 1 and its surrounding frame 2 may be of any well known or approved construction. The foldable table legs 3 (one of which only is represented in the accompanying drawings) are hinged to the table top as follows:—

A corner bracket 4 is secured to the table top frame 2, adjacent to the underside of the table top at each corner of the table as, for instance, by screws 5. This corner bracket is provided with a pair of oppositely arranged sockets 6, 7.

The leg 3 is provided with a pivot 8 secured thereto, as, for instance, by a pin 9, the projecting ends of which pivot are screw-threaded into their respective sockets 6 and 7. The width of the leg at its pivot end is slightly less than the distance between the faces of the sockets 6, 7, so that as the leg is swung into its unfolded and folded positions, one side or the other side of the leg will be brought into frictional engagement with its adjacent socket by the bodily lateral movement of the leg, due to the unscrewing of the pivot 8 from one socket and the screwing of the pivot a little further into the other socket. The parts are so proportioned that the frictional engagement between the leg and the faces of the sockets will be sufficient to hold the leg in either its unfolded or folded positions against unintentional displacement.

To limit the unfolding movement of the leg, the bracket 4 is provided with a depending arm 10 against which the leg is swung in its unfolded position.

If so desired, the leg may be rigidly secured in its unfolded position by suitable means such, for instance, as the thumb screw 11, the shank of which is adapted to screw into a recess 12 in the leg 3, to lock the leg against the depending arm 10.

If so desired, suitable friction washers 13, 14 may be introduced around the projecting ends of the pivot between the opposite sides of the leg and the adjacent sockets of the bracket.

It is evident that various changes may be

made in the construction, form and arrangement of the several parts without departing from the spirit and scope of my invention; hence, I do not wish to limit myself to the particular embodiment herein shown and described, but

What I claim is:—

1. A folding table comprising a top, foldable legs therefor, and means for pivoting the legs to the top, operable to bring the legs bodily laterally with respect to their swinging movement into frictional engagement with the top as the legs are unfolded.

2. A folding table comprising a top, foldable legs therefor, and means for pivoting the legs to the top, operable to bring the legs bodily laterally with respect to their swinging movement into frictional engagement with the top as the legs are folded.

3. A folding table comprising a top, foldable legs therefor, and means for pivoting the legs to the top, operable to bring the legs bodily laterally with respect to their swinging movement into frictional engagement with the top as the legs are unfolded, and means for securing the legs in their unfolded position.

4. A folding table comprising to top, foldable legs therefor, corner brackets having oppositely arranged sockets, and screws secured to the legs and threaded into said sockets whereby the legs are moved bodily laterally with respect to their swinging movement into frictional engagement with the sockets as the legs are unfolded.

5. A folding table comprising a top, foldable legs therefor, corner brackets having oppositely arranged sockets, and screws secured to the legs and threaded into said sockets whereby the legs are moved bodily laterally with respect to their swinging movement into frictional engagement with the sockets as the legs are folded.

6. A folding table comprising a top, foldable legs therefor, corner brackets having oppositely arranged sockets, screws secured to the legs and threaded into said sockets whereby the legs are moved bodily laterally with respect to their swinging movement into frictional engagement with the sockets as the legs are unfolded, and devices carried by the brackets for securing the legs in their unfolded position, thereto.

7. A folding table comprising a top including a top frame, corner brackets secured to the top frame, each of said brackets having a pair of oppositely arranged sockets and a depending arm, foldable legs, and a screw secured to each leg and threaded into its pair of sockets whereby the leg is brought into frictional engagement with the one or the other of said sockets as the leg is unfolded or folded, and a screw carried by said depending arm of the bracket in position to engage the leg when in its unfolded position for securing the leg to the bracket.

8. A folding table comprising a top including a top frame, corner brackets secured to the top frame, each of said brackets having a pair of oppositely arranged sockets and a depending arm, foldable legs, and a screw secured to each leg and threaded into its pair of sockets whereby the leg is brought into frictional engagement with the one or the other of said sockets as the leg is unfolded or folded, a screw carried by said depending arm of the bracket in position to engage the leg when in its unfolded position for securing the leg to the bracket, and friction washers surrounding the screw and located between the opposite sides of the leg and the adjacent faces of the sockets.

9. A folding table comprising a top including a top frame, corner brackets secured to the top frame, each of said brackets having a pair of oppositely arranged sockets, foldable legs, a screw secured to each leg and threaded into its pair of sockets whereby the leg is moved laterally into frictional engagement with the one or the other of the sockets as the leg is unfolded or folded, and friction washers surrounding the screw and located between the opposite sides of the leg and the adjacent faces of the sockets.

In testimony, that I claim the foregoing as my invention, I have signed my name this 18th day of April, 1923.

RUTHERFORD H. PLATT, JR.