C. D. WARLICK.

TABLE.

APPLICATION FILED OCT. 12, 1914.

1,158,601.

Patented Nov. 2, 1915.

3 SHEETS—SHEET 1.

Fig. 1.

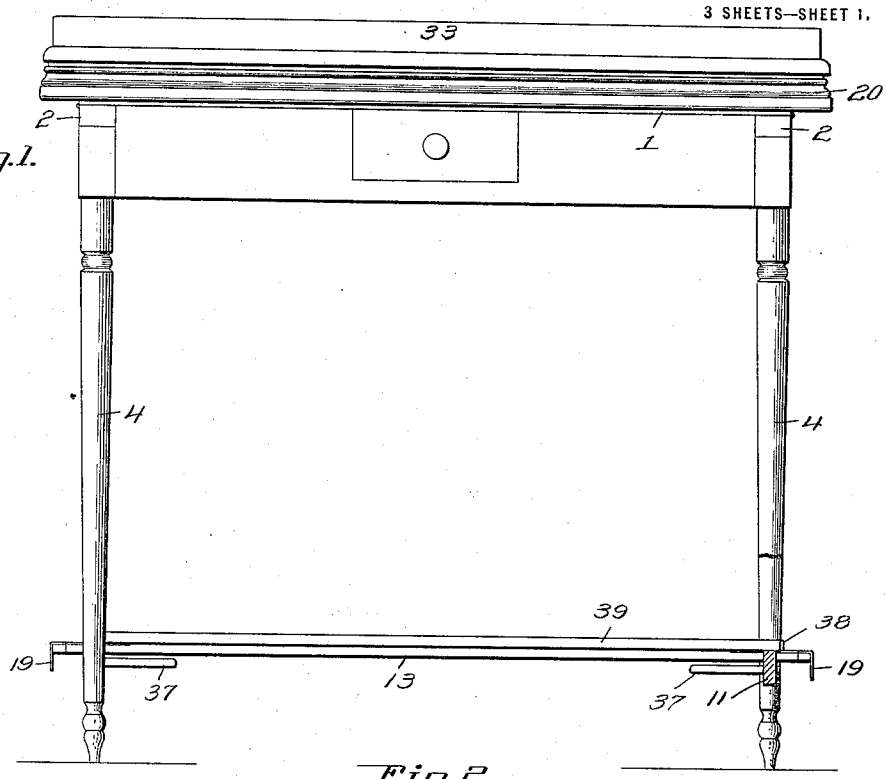
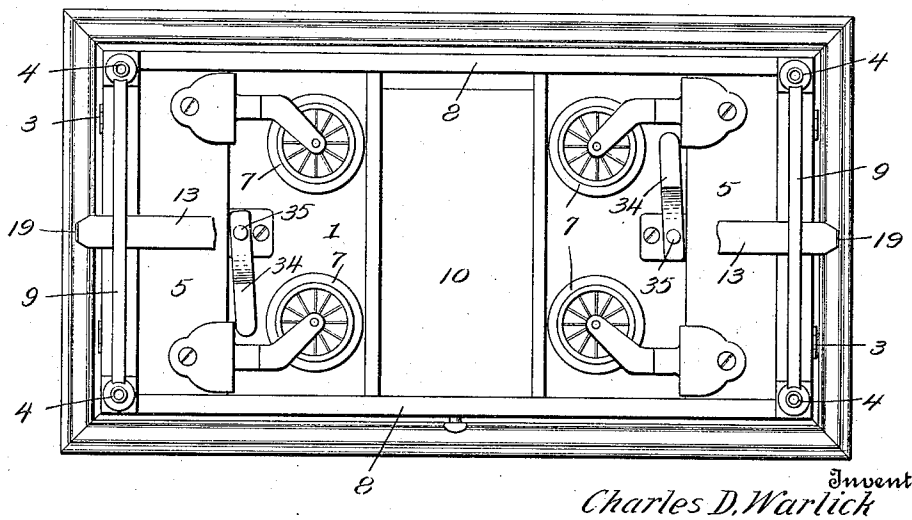


Fig. 2.



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Fig. 3.

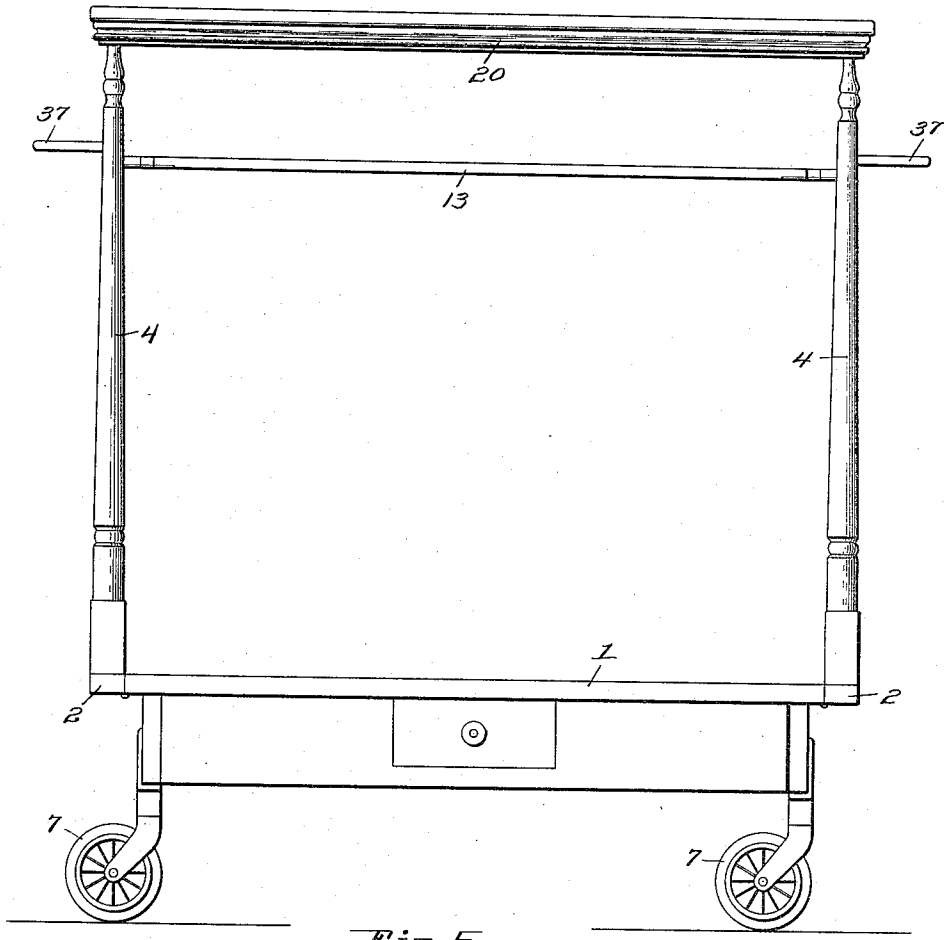
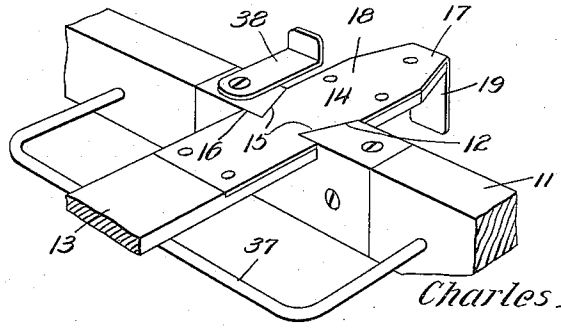


Fig. 6.



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3 SHEETS—SHEET 3.

Fig. 4.

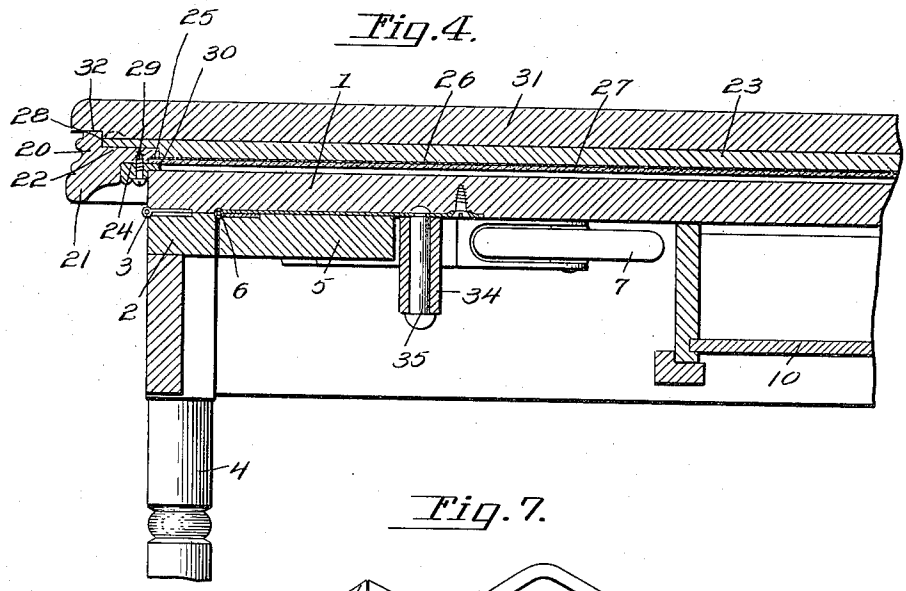


Fig. 7.

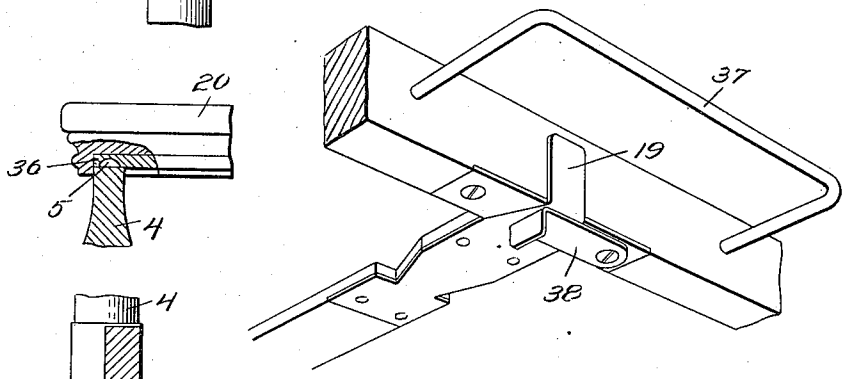
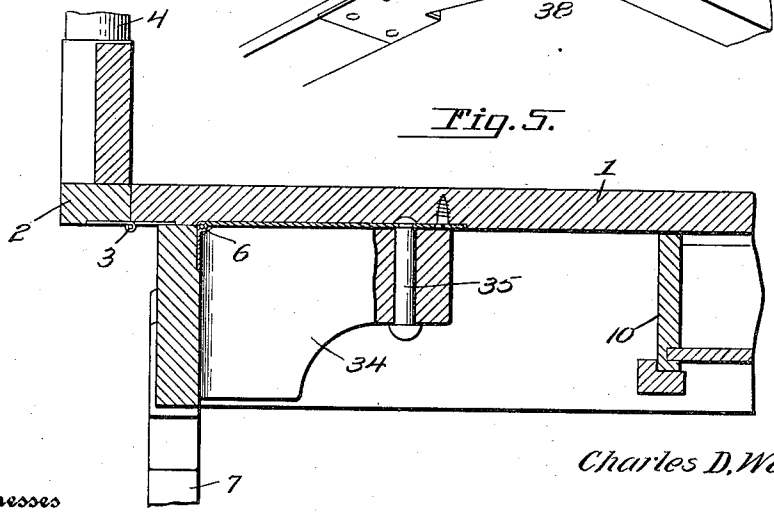


Fig. 5.



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UNITED STATES PATENT OFFICE.

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TABLE.

1,158,601. Specification of Letters Patent. Patented Nov. 2, 1915.

Application filed October 12, 1914. Serial No. 866,357.

To all whom it may concern:

Be it known that I, CHARLES D. WARLICK, a citizen of the United States of America, residing at Salisbury, in the county of Rowan and State of North Carolina, have invented new and useful Improvements in Tables, of which the following is a specification.

This invention relates to improvements in tables and has particular application to a combination serving table and tea wagon.

In carrying out the present invention, it is my purpose to provide a serving table which may be converted into a serving table and which may also be utilized as a card table.

It is also my purpose to provide a table of the class described wherein the component parts may be moved relatively to one another quickly and conveniently to change the table into a tea wagon and vice versa and wherein the parts will be securely and effectively held in adjusted positions so that the resultant structure will be rigid and stable.

With the above and other objects in view, the invention consists in the construction, combination and arrangement of parts hereinafter set forth in and falling within the scope of the claims.

In the accompanying drawings: Figure 1 is a view in front elevation of a serving table constructed in accordance with the present invention. Fig. 2 is a bottom plan view of the table. Fig. 3 is a view in front elevation showing the table converted into a tea wagon. Fig. 4 is an enlarged fragmentary sectional view through the top of the table showing the parts in the positions they occupy when adjusted to form the serving table. Fig. 5 is a similar view showing the parts in the positions they occupy when the device is converted into a tea wagon. Fig. 6 is an enlarged perspective view of a detail of the invention. Fig. 7 is a similar view showing the device illustrated in Fig. 6 in another position.

Referring now to the drawings in detail, 1 designates a table top constructed of any suitable material and having the upper surface thereof, preferably, polished. Disposed in face to face contact with the under surface of the top 1 at the end edges of said top are transverse bars 2 hinged to the top through the medium of butt hinges 3 having the pintles thereof disposed substantially flush with the end edges of the table top. Appropriately fastened to the lower surface of each bar 2 adjacent to the opposite extremities thereof and depending therefrom are legs 4 coöperating with the legs connected with the remaining bar to support the table top. Secured to the lower extremities of the legs 4 are non-scraping casters 5. Arranged transversely of the under surface of the top 1 and disposed in proximity to the hinged bars 2 respectively are strips 5, 5 each having one side wall thereof placed in face to face contact with the under surface of the top, and hinged at the outer edge to such surface of the top by means of butt hinges 6 having the leaves thereof secured, respectively, to the confronting faces of the table top and strip. These strips 5, 5 are capable of swinging movement from horizontal position to vertical position and when in horizontal position the outer edges thereof abut the confronting edges of the bars 2 so that the strips are held against movement to vertical position under the action of gravity. Secured to the inner edge of each strip 5 adjacent to the ends thereof are casters 7 of some suitable construction.

In the present instance, longitudinal side boards 8 depend from the top of the table at the longitudinal edges thereof between the legs 4, while end boards 9 are secured to the bottom surfaces of the bars 2 and depend therefrom between the legs 4, the end bars and side bars coöperating to render the strips 5 and casters 7 invisible from the sides and ends of the table.

10 designates a drawer slidably mounted with guide rails secured to the under surface of the table top approximately centrally thereof, the drawer being movable to open and closed positions through an opening in one of the side boards 8.

The table as thus constructed and with the legs 4 depending from the top 1 and the casters 7 held up against the under surface of the top, may be used as a card table, as the strips 5 and casters carried thereby are out of the way. The legs 4 at each end of the table are interconnected, adjacent to the lower extremities thereof, through the medium of a cross bar 11 and formed in the upper edges of the cross bars 11 approximately centrally thereof are alining grooves

12 having the side walls thereof converging toward the inner sides of the cross bars so as to form substantially wedge shaped grooves.

13 designates a connecting bar spanning the space between the cross bars 11 and having the extremities thereof formed with outwardly projecting tongues 14. The side edges of each tongue 14 at the juncture of the latter with the end of the connecting bar, are cut inwardly toward the extremity of the connecting bar as at 15, thereby forming shoulders 16 at the meeting ends of the tongue and bar. The inwardly cut edges of the tongues 14 fit into the wedge shaped grooves 12, thereby holding the legs 4 at the ends of the table in parallelism and preventing spreading of such legs incident to the weight on the table, the bar 13 and tongues 14 taking the strain as the legs tend to spread. The side edges of each tongue 14 at the outer extremity thereof converge toward each other as at 17 in a direction opposite from the inclination of the inner end portion of the tongue, thereby decreasing the width of the tongue at the outer end thereof and fastened to the upper surfaces of the tongues 14 are metal plates 18 having the outer ends thereof downturned as at 19 and disposed in a plane at right angles to that of the tongues.

20 designates a tray adapted to be placed upon the top 1 and comprising a substantially rectangular frame 21 having the bottom edge thereof rabbeted as at 22 to receive a bottom 23, and the upper edge thereof rabbeted as at 24 and the bottom wall of the rabbet 24 rabbeted as at 25. The lower wall of the rabbeted portion 25 lies flush with the bottom 23 to receive a panel 26 of fabric or other suitable material and a plate of glass 27 lying upon the fabric panel 26. Disposed within the rabbeted portion 24 and overlying the rabbeted portion 25 and the marginal edge of the plate 27 is a securing frame 28 fastened within the rabbeted portion 24 by means of screws 29 or other fastening devices and acting to hold the plate 27 and the fabric 26 in proper positions upon the bottom 23 of the tray. The inner edge of the securing frame 28 is formed with a rabbeted portion 30 and when the tray is placed upon the top 1 of the table, such tray is inverted as clearly illustrated in Fig. 4 and the rabbeted portion 30 of the securing plate 28 receives the marginal edges of the table top, thereby holding the tray against longitudinal and lateral sliding movement upon the top. The outer surface of the bottom 23 of the tray is disposed within the plane of the outer edge of the vertical wall of the rabbeted portion 22 and seated upon the tray 20 when the latter is placed upon the table top is a supplemental top 31 substantially rectangular in contour and having the under surface thereof rabbeted at the marginal edges as at 32 to receive the upwardly projecting portion of the frame above the bottom 23 of the tray whereby the bottom of the supplemental top will lie in face to face contact with the bottom 23 of the tray, thereby presenting a stable and rigid structure. The supplemental top 31, at one longitudinal edge, is formed with an upwardly projecting guard rail 33.

When the parts are assembled as just described and as illustrated in Figs. 1 and 4, a serving table is formed and when it is desired to convert the serving table into a tea wagon, as illustrated in Fig. 3, the connecting bar 13 is removed from engagement with the cross bar 11 and the hinged bar 2 carrying the legs 4 swung from under the ends of the table top into the same plane as the top, as illustrated in Fig. 5. When the hinged bars 2 are in this position, the legs 4 project upwardly from the top of the table as illustrated in Fig. 3. The strips 5 carrying the casters 7 are now swung from horizontal position to vertical position so that the top 1 is supported above the floor. In order to hold the strips 5 in vertical position suitable means is employed. In the present instance, blocks 34 are pivoted upon studs 35 depending from the top 1 and these blocks are adapted to be swung about the studs 35 into engagement with the inner sides of the respective strips 5 when the latter are in vertical position to hold the strips in such position, and to be moved out of engagement with the strips when the latter are elevated. When the legs 4 are extended above the top 1 as just described, the cross bars 11 are reversed and the grooves 12 disposed on the lower edges of such bars and relatively reversed and in this position of the cross bars the grooves 12 therein are adapted to receive the outer extremities of the tongues, the inclined edges 17 of the tongues conforming to the inclination of the side walls of the grooves, while the turned ends 19 of the plates 18 abut the outer surfaces of the cross bars and so prevent spreading of the legs 4. The tray 20 is now set upon the upper ends of the legs 4 top side up and in order to accommodate the casters 5 carried by the legs 4 the bottom 23 of the tray at the corners of the latter is formed with concaved recesses 36 within which the casters 5 seat. Thus, the tray is held immovable upon the legs. The tea wagon thus formed may now be rolled from place to place on the casters 7 and the dishes placed upon the tray and the top 1 below the tray. To facilitate the rolling of the tea wagon handles 37, 37 are secured to the cross bars 11 respectively and project outwardly therefrom when the cross bars are inverted, as clearly illustrated in Fig. 3.

Pivoted to the upper edges of the cross

bars 11 and adapted to be swung beneath the outer ends of the tongues 14, when the serving table is converted into a tea wagon, are cleats 38 designed to prevent the accidental removal of the cross bar 13.

When the component parts of the table are in serving table formation, a shelf 39 is preferably disposed upon the cross bars 11 and connecting bar 13.

From the foregoing description taken in connection with the accompanying drawings, the construction, mode of operation and manner of employing my improved table will be readily apparent.

It will be seen that I have provided a table which may be readily converted from a serving table into a tea wagon and which may be used as a card table when desired, and wherein the component parts are so correlated and arranged as to reduce the possibility of derangement to a minimum.

I claim:

1. In a device of the class described, a table comprising a top, legs hinged to the under surface of said top at the end edges thereof and capable of swinging movement from a perpendicular position below the top to a vertical position above said top, casters secured to the under surface of said top for supporting the latter when said legs are extending upwardly from the top, and a tray adapted to rest upon the upper ends of said legs when above the top and coöperating with the latter to form a tea wagon.

2. In a device of the class described, a table comprising a top, legs hinged to the under surface of said top at the end edges thereof and capable of swinging movement from a perpendicular position below the top to a vertical position above said top, casters hinged to the under surface of said top and normally disposed in an out of the way position against the top and capable of swinging movement to vertical position to support the top when said legs are extending upwardly from the top, and a tray adapted to rest on the upper ends of said legs when above the top and coöperating with the latter to form a tea wagon.

3. In a device of the class described, a table comprising a top, legs hinged to the under surface of said top at the end edges thereof and capable of swinging movement from a perpendicular position below the top to a vertical position above said top, casters hinged to the under surface of said top and normally disposed in an out of the way position against the top and capable of swinging movement to vertical position to support the top when said legs are extending upwardly from the top, a tray adapted to rest on the upper ends of said legs when above the top and coöperating with the latter to form a tea wagon, and means for holding said casters in vertical position.

4. In a device of the class described, a table comprising a top, legs hinged to the under surface of said top at the end edges thereof and capable of swinging movement from a perpendicular position below the top to a vertical position above said top, casters secured to the under surface of said top for supporting the latter when said legs are extending upwardly from the top, a tray adapted to rest upon the upper ends of said legs when above the top and coöperating with the latter to form a tea wagon, and means holding said legs against spreading.

5. In a device of the class described, a table comprising a top, bars hinged to the under surface of said top at the end edges thereof, legs connected to said bars and depending therefrom and capable of swinging movement from a perpendicular position below the top to a vertical position above said top, casters hinged to the under surface of said top for supporting the latter when said legs are extending upwardly from the top and normally disposed against the under surface of the table in an out of the way position and held in such position by said bars and capable of swinging movement to a vertical position to support the top, and a tray adapted to rest on the upper ends of said legs when above the top and coöperating with the latter to form a tea wagon.

6. In a device of the class described, a table comprising a top, bars hinged to the under surface of said top at the end edges thereof, legs connected to said bars and depending therefrom and capable of swinging movement from a perpendicular position below the top to a vertical position above said top, casters hinged to the under surface of said top for supporting the latter when said legs are extending upwardly from the top and normally disposed against the under surface of the table in an out of the way position and held in such position by said bars and capable of swinging movement to a vertical position to support the top, a tray adapted to rest on the upper ends of said legs when above the top and coöperating with the latter to form a tea wagon, and means for preventing longitudinal and lateral movement of said tray upon said legs.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES DAILY WARLICK.

Witnesses:

J. B. MARSH,

J. W. COMPTON.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."