

D. F. OLIVER.
TABLE FURNITURE.
APPLICATION FILED DEC. 19, 1910.

1,000,114.

Patented Aug. 8, 1911.

2 SHEETS-SHEET 1.

Fig. 1.

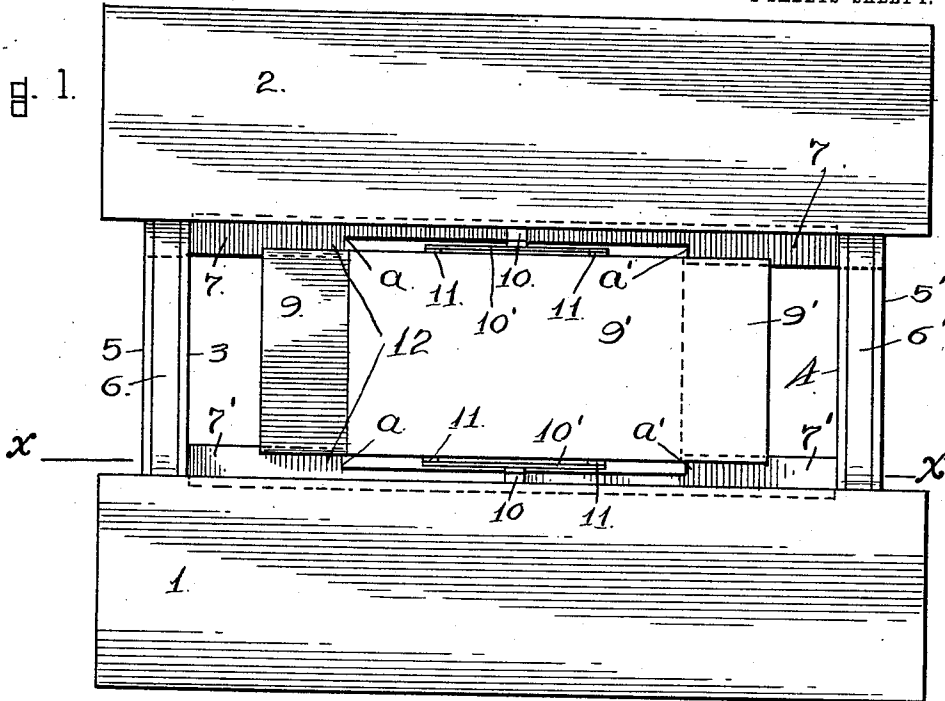
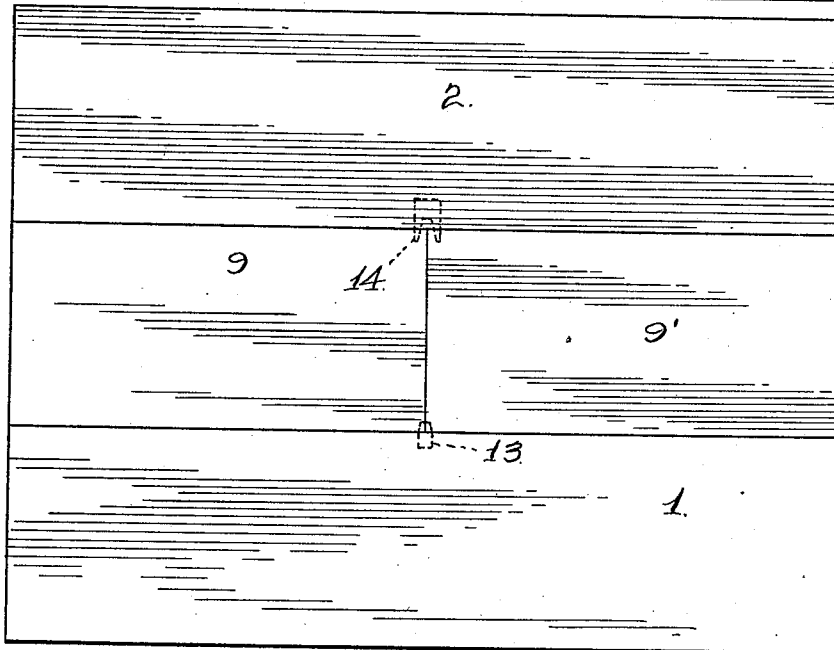


Fig. 2.



Witnesses
Arthur L. Slee.
S. Constance.

Inventor
D. F. Oliver
by *W. C. Oliver*
his atty.

D. F. OLIVER.
TABLE FURNITURE.
APPLICATION FILED DEC. 19, 1910.

1,000,114.

Patented Aug. 8, 1911.

2 SHEETS—SHEET 2.

Fig. 3.

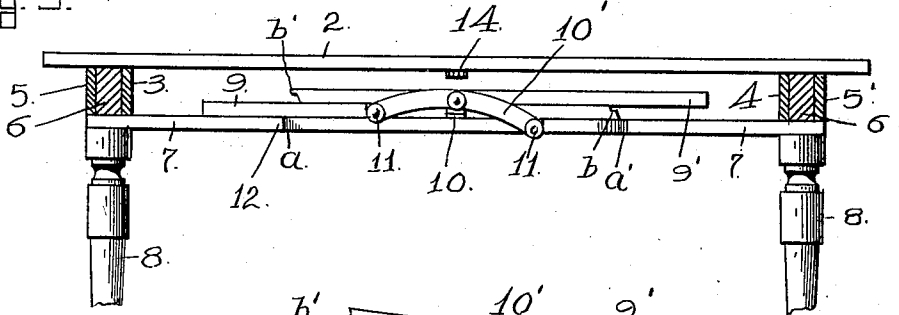


Fig. 4.

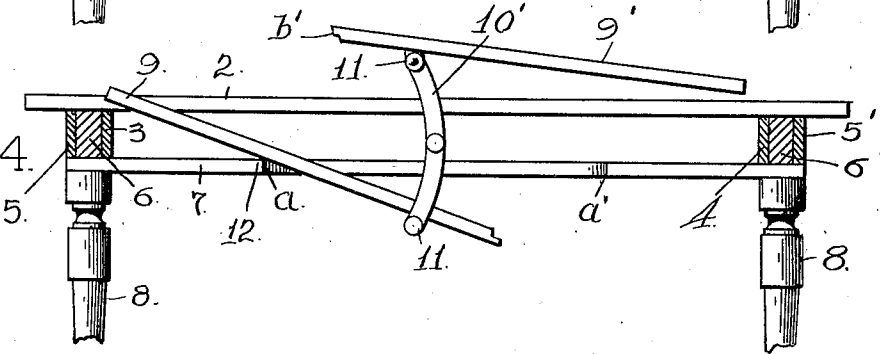


Fig. 5.

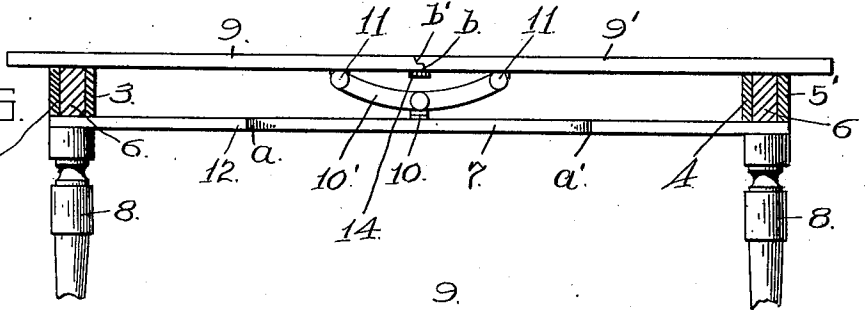


Fig. 6.

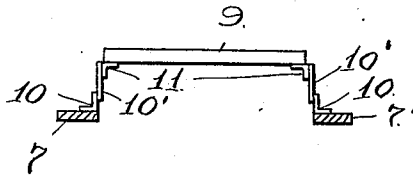
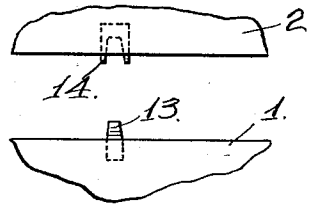


Fig. 7.



Witnesses
Arthur L. Slee.
S. Constance.

Inventor
D. F. Oliver
by *W. A. Baker*
Attorney

UNITED STATES PATENT OFFICE.

DOCTOR FRANKLIN OLIVER, OF SAN FRANCISCO, CALIFORNIA.

TABLE FURNITURE.

1,000,114.

Specification of Letters Patent.

Patented Aug. 8, 1911.

Application filed December 19, 1910. Serial No. 598,061.

To all whom it may concern:

Be it known that I, DOCTOR FRANKLIN OLIVER, a citizen of the United States, residing in the city and county of San Francisco and State of California, have invented certain new and useful Improvements in Table Furniture, of which the following is a specification.

The hereinafter described invention relates to that class of furniture known as extension tables, more particularly designed for use in dining rooms and kitchens, although the improved table is not so restricted as to use.

The invention resides in the manner of mounting or securing the disappearing extension leaves within the table proper relative to the sliding leaves thereof, so as to simplify the movement of the said disappearing extension leaves and facilitating the action thereof, and to positively position the same to place them in alinement with the sliding leaves on an extension of the table to its full length.

To comprehend the invention, reference should be had to the accompanying sheets of drawings, wherein—

Figure 1 is a plan view of the table extended its full distance, illustrating the position of the disappearing extension leaves prior to being raised. Fig. 2 is a similar view of the table with the disappearing extension leaves in adjusted position relative to the sliding leaves of the table. Fig. 3 is a transverse sectional view on line $x-x$, Fig. 1 of the drawings, illustrating the extension leaves as closed. Fig. 4 is a similar sectional view illustrating the disappearing extension leaves as partly raised from within the table frame. Fig. 5 is a similar sectional view illustrating the disappearing extension leaves as fully raised from within the table frame and properly positioned. Fig. 6 is an end view of one of the disappearing leaves, illustrating the position of the fulcrumed segment or rock levers for raising and lowering the same relative to the table frame. Fig. 7 is a broken detail plan view of the sliding leaves and the stops carried thereby.

In the drawings, the numerals 1 and 2 are used to designate the slide leaves of the improved extension table, which are secured respectively to the slides 3 and 4, which with the side or face pieces 5 and 5' carried by the leaves 1 and 2 are slidable on the side

rails 6 and 6' of the table. The said side rails 6 and 6' are united by the end rails 7 and 7', which with the side rails 6 and 6' form the frame of the table supported by the legs 8.

Within the frame of the table is located the extension disappearing leaves 9 and 9', which when in lowered or closed position are super-imposed one onto the other, and lying immediately above the end rails or frame pieces 7 and 7', said pieces being cut away on their inner faces between the points $a-a'$ to provide a clearance space between the same for the swinging or tilting action of the disappearing extension leaves 9 and 9'.

To the inner face edge of each end rail or frame piece 7 and 7' is secured a short upwardly extended bearing bracket 10, to which the segmental oscillating or rock levers 10' are fulcrumed. One end of each of said levers is pivoted to the extension leaf 9 adjacent its inner end, and the opposite end of the said levers pivoted to the extension leaf 9', adjacent its inner edge, the said levers being pivoted to the small brackets 11 depending from the inner end portion of the leaves 9 and 9', Fig. 6 of the drawings. Under this form of mounting for the extension leaves 9 and 9', as the leaf 9' is drawn outwardly, the swinging or turning action of the segmental rock levers is such as to tilt or swing downwardly the inner end portion of the leaf 9, throwing its outer end upwardly and causing the same to ride on the shouldered portion 12 of the rails or frame pieces 7 and 7' until the position of the levers 10' is such as to place the outer end portion of the leaf 9 onto the slide 3, Fig. 4 of the drawings. As the levers 10' are swung beyond their central position, the inner end of the leaf 9 is gradually raised, until the leaves 9 and 9' are in horizontal position, Fig. 5 of the drawings, when the rabbet edge b of the leaf 9' will be in registry with the rabbet edge b' of the leaf 9, forming a neat and close joint between the abutting ends of the extension leaves. The position of the rock levers relative to the extension leaves when closed, partly opened, and full opened will be readily understood by reference to Figs. 3, 4 and 5 of the drawings. During the opening movement of the said leaves, the levers 10' make a one-half turn or part rotation, each turning on its fulcrum point. When the leaves 9 and 9' are opened to full horizontal position the outer end portions

thereof are supported by the slides 3 and 4 and side pieces 5 and 5', carried by the leaves 1 and 2 respectively, the inner ends or joint section of the said leaves being supported by the stop lugs 13 and 14 projecting from the central inner edges of the slide leaves 1 and 2 respectively, the said stop lugs or projections 13 and 14 being secured to the under face of the leaves 1 and 2.

When it is desired to extend or enlarge the table, the leaves 1 and 2 are drawn outwardly their full distance, which exposes the folded or super-imposed extension leaves 9 and 9', Fig. 1 of the drawings. The operator then raises the free end of the leaf 9 and draws the same outwardly, which throws into action the fulcrumed levers 10', causing the same to revolve for raising the inner end of the leaf 9' and lower the inner end of the connecting leaf 9, Fig. 4 of the drawings. As the outward movement of the leaf 9' is continued, the leaf 9 is gradually raised until the leaves 9 and 9' are in horizontal alinement, Fig. 5 of the drawings, when the leaves 1 and 2 are forced inwardly to close the table to place the supporting stop lugs 13 and 14 beneath the joint section of the leaves 9 and 9', Fig. 2 of the drawings. A simple, effective, and durable swinging mounting for the disappearing extension leaves is thus provided, by means of which the said leaves are quickly and easily thrown into horizontal alinement with the leaves 1 and 2 of the table.

For closing the table and causing the extension leaves to disappear within the frame

of the table, the leaves 1 and 2 are drawn outwardly a distance sufficient to take the stops 13 and 14 from within the sphere of the leaves 9 and 9', when by an inward movement of the leaf 9' a reverse movement is imparted to the levers 10' over that given thereto on the raising of the leaves 9 and 9', which throws the leaf 9 downwardly at an inclination and places the same beneath the leaf 9', which gradually lowers below the plane of the leaves 1 and 2, after which the said leaves 1 and 2 are forced toward each other to close the table and hide from view the pocketed leaves 9 and 9'.

Having thus described the invention what is claimed as new and desired to be protected by Letters Patent is—

In an extension table, the combination with the sliding leaves thereof, of overlying extension leaves housed within the frame of the table, and of swinging levers fulcrumed to framepieces of the table and pivoted at each end respectively to the inner ends of the extension leaves, said levers on an outward movement of the super-imposed extension leaf acting to place the said extension leaves in horizontal alinement with the slide leaves of the table.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

DOCTOR FRANKLIN OLIVER.

Witnesses:

N. A. ACKER,
D. B. RICHARDS.