Jan. 8, 1952 R. HICKS 2,581,658

VERTICALLY ADJUSTABLE TABLE

Filed July 26, 1947 2 SHEETS—SHEET 1

Fig. 1

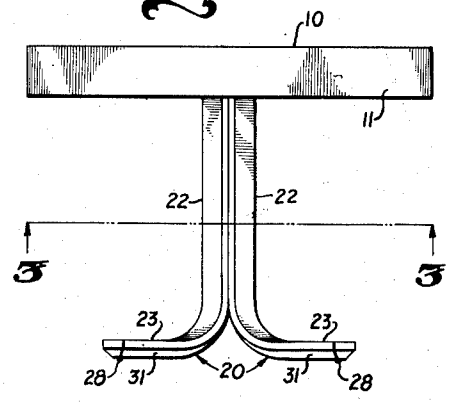


Fig. 2

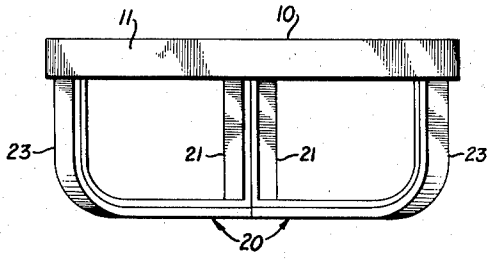


Fig. 3

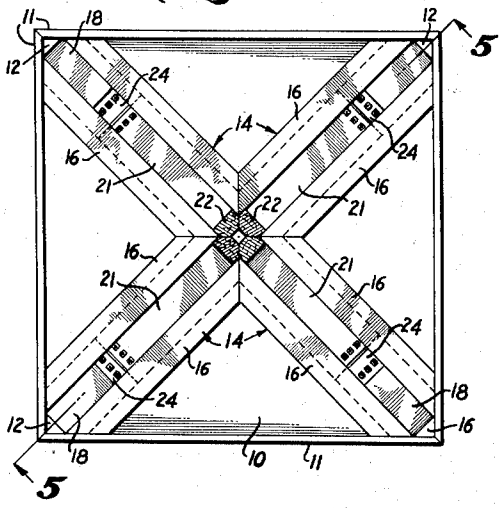


Fig. 4

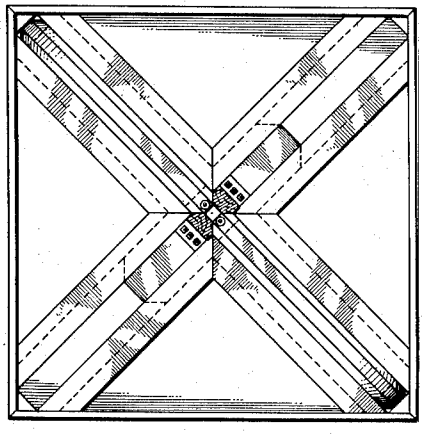
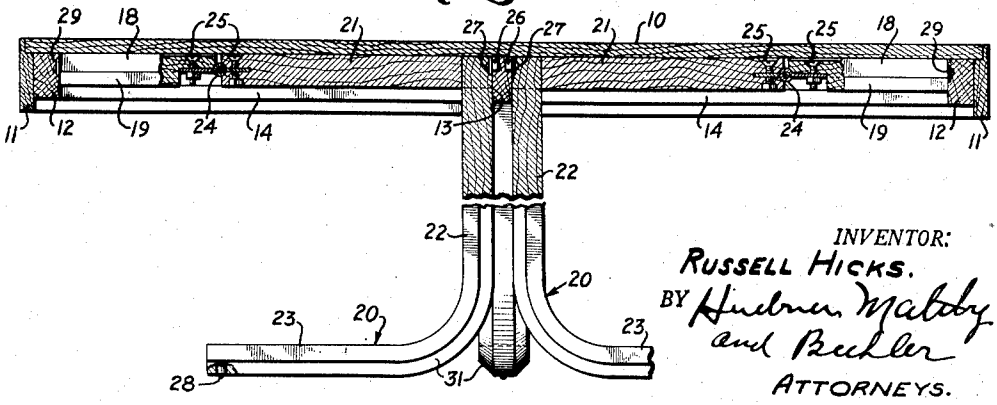


Fig. 5



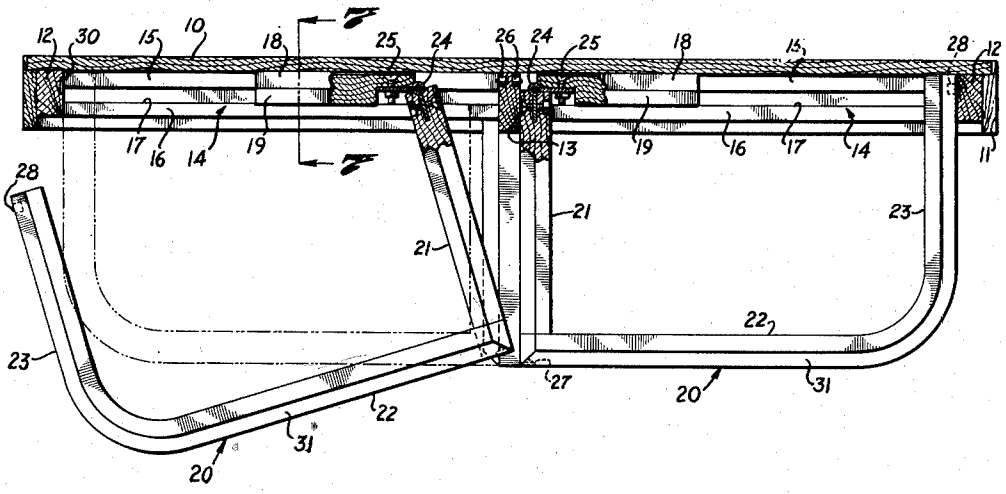
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VERTICALLY ADJUSTABLE TABLE

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Fig. 6



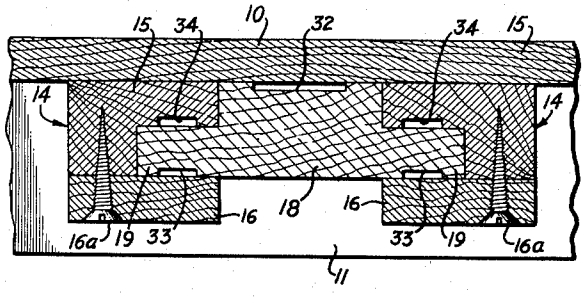


Fig. 7

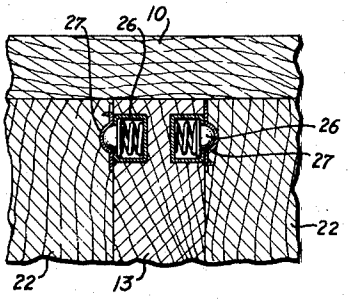


Fig. 8

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UNITED STATES PATENT OFFICE

2,581,658

VERTICALLY ADJUSTABLE TABLE

Russell Hicks, Los Angeles, Calif.

Application July 26, 1947, Serial No. 763,803

1 Claim. (Cl. 311—39)

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This invention relates to furniture and more especially to a table having a leg structure that is adjustable as to height.

An object of the invention is to provide a novel table having a leg structure that is adjustable to support the table top at different elevations.

Another object of the invention is to provide an adjustable height table of novel construction whereby a table of conventional height may be adjusted to a lower height to serve as a coffee table or the like.

Another object of the invention is to provide novel means in an adjustable height table directed to the leg structure thereof whereby the table may be easily and quickly adjusted from one position to another of different height.

A further object of the invention is to provide a table structure having legs which are associated with a table top so as to be manipulated into different positions whereby the height of the table may be changed.

An additional object of the invention is to provide in an adjustable height table having a shiftable leg structure means for the restraining movement of the leg structures from any of the adjusted positions.

With these and other objects in view, the invention consists in the construction, arrangement and combination of the various parts of the device whereby the objects contemplated are attained, as hereinafter set forth, pointed out in the appended claim and illustrated in the accompanying drawings.

In the drawings:

Figure 1 is a side elevational view of a table embodying my invention shown in adjusted position of conventional height.

Figure 2 is a view of the same shown in adjusted position of lower height or when used as a coffee table or the like.

Figure 3 is a sectional view taken on the line 3—3 of Figure 1.

Figure 4 is a view similar to Figure 3 partly in section showing the leg structure in the position shown in Figure 2.

Figure 5 is an enlarged view in section, the section being taken along the line 5—5 of Figure 3.

Figure 6 is a view similar to Figure 5 showing the leg structures in intermediate and adjusted positions.

Figure 7 is an enlarged sectional view taken on the line 7—7 of Figure 6.

Figure 8 is an enlarged fragmentary view of a portion of the table as seen in Figure 5.

Referring more particularly to the drawings, I

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show a table having a top element or plate portion 10 preferably square in shape and of any suitable material, although the sample is shown as being of wood. Side members 11 are secured to and extend downwardly from the top element 10 and a triangular shaped stop block 12 is suitably secured in each corner formed by pairs of side members 11. A block 13 is secured in any suitable manner to the underside of the top 10 and at the center thereof, the block being rectangular in shape and with the faces thereof parallel to diagonals of the top member 10.

A plurality of slide guide units 14 are provided in spaced pairs, each unit comprising an elongated member 15 suitably secured to the top 10 and extending between a corner and the center of the table top. A flat member 16 co-extensive with each member 15 is secured thereto as by screws 16a and a rabbet 17 is formed by the L-shaped section of each member 15 together with the associated member 16. Units 14 provide slide guide-ways for slidable blocks 18 which have laterally extending tongues 19 which interfit in rabbets 17.

I show a plurality, four in number, of legs 20 which may be considered substantially C-shaped or L-shaped, each leg comprising a supporting end member 21, a supporting central member or portion extending at right angles thereto and an end member or portion 23 which extends at right angles to portion 22 and parallel to end member 21 although the portion 23 may join portion 22 in a curve as shown, rather than a sharp angle.

A hinge 24 is secured as by screws 25 to the end of each leg member 21 and one of the slidable blocks 18 and a latch element 26 is provided in block 13 for each leg member 22, the latter having a recessed plate element 27 for cooperation with the respective latch 26 to restrain movement of the legs from the position shown in Figures 1, 3, 4, 5 and 8.

A similar latch device 28 is provided in the end of each leg portion 23 and a complementary latch plate therefor is secured in each corner block 12 to restrain movement of the legs from the position shown in Figures 2 and 6. The legs 20 are shown as being generally rectangular in cross section and are chamfered as at 31 to permit the portions 21 and 22 respectively to assume an abutting position to provide the table with an increased stability. Block 18 may, if desired, be provided with rabbets 32 and 33 and members 15 may be formed with rabbets 34 whereby to reduce the frictional engagement of slide blocks 18 with the slide guide units 14.

The operation of the invention should be apparent from the foregoing description. The table which is shown in Figure 1 as being of conventional height may be adjusted by shifting the leg structures to the position as shown in Figure 2 in a simple manner. The table is first tipped so that the top element **10** is inclined or placed in a substantially vertical position and the legs **20** are disengaged from latches **26** by rotative movement and a shifting of each slide block **18** from its position adjacent a block **12** toward the center block **13**. The end member **23** at the end of the rotative movement is moved to a position adjacent the top **10** and the related block **12**, latch **28** being engaged with latch plate **29** whereupon the table assumes the position shown in Figure 2.

From the construction shown and described it should be apparent that the table of my construction has the meritorious advantages and objects hereinabove mentioned and is substantially rigid and stable in both of the adjusted positions. The latch elements **28**, which may be of any form desired, such as spring seated ball members or other anti-friction devices, serve as feet for the legs when in the position of Figures 1 and 5 in addition to their latching character.

While I have shown and described my invention as being constructed from wood it is clear that it may be made of other materials such as metal having tubular shapes or otherwise. Furthermore, it will be apparent that the table while being adjustable, nevertheless the adjustable character is not apparent from the table as ordinarily seen from above or from the side.

While I have herein shown and described my invention in what I have conceived to be the most

practical and preferred embodiment, it is recognized that departures may be made therefrom within the scope of my invention, which is not to be limited to the details disclosed herein but is to be accorded the full scope of the claim so as to embrace any and all equivalent devices.

Having thus described my invention, what I claim and desire to secure by Letters Patent is:

An adjustable table comprising in combination a top member, an abutment centrally disposed under said top member, a plurality of guide members secured underneath the said top plate and disposed at right angles to the geometric center, a plurality of radially disposed stops secured under said top member, a plurality of leg units each mounted between said abutment and one of said stops, said units each comprising a slidable block mounted in the guides and a U-shaped leg having one end pivotally secured by a hinge block, and movement resisting latches on said abutment and stops respectively engageable with a central and end portion of said legs.

RUSSELL HICKS.

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