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2,531,233

VERTICALLY ADJUSTABLE TABLE

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Fig. 1

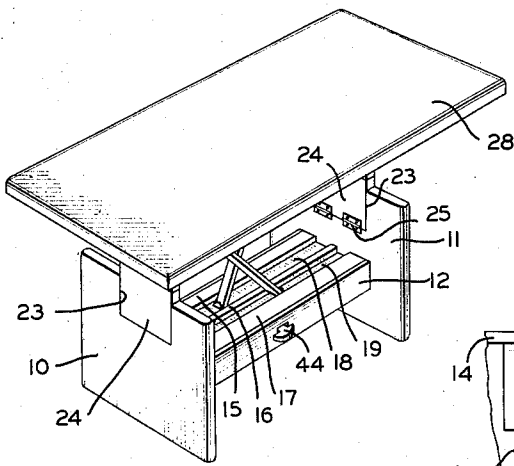


Fig. 4

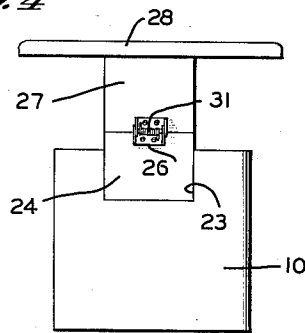


Fig. 5

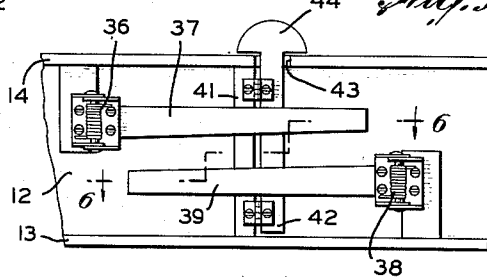


Fig. 2

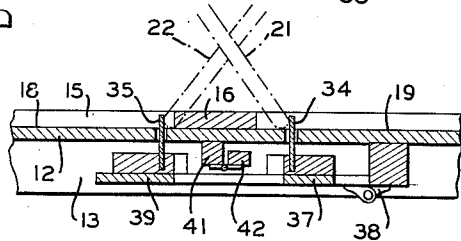
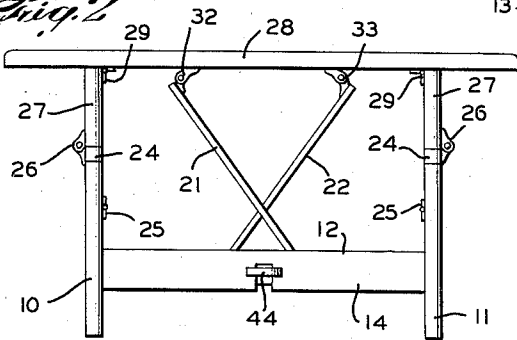


Fig. 6

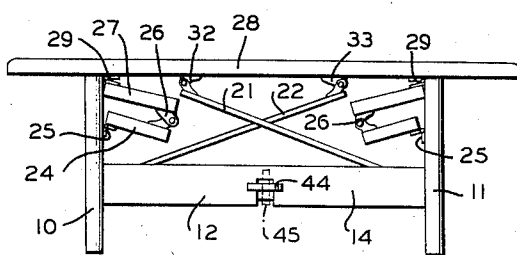


Fig. 3

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VERTICALLY ADJUSTABLE TABLE

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1 Claim. (Cl. 311-39)

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This invention relates to tables and more particularly to tables which are adjustable in height.

It is an object of the present invention to provide a table which can be easily adjusted from a position where its top is elevated to a lowered position whereby to convert the same into a coffee table for use near lounge chairs and wherein the adjustment can be effected by the turning of a simple lifting latch which operates stops to permit the release of retaining elements and wherein the retaining elements are of light construction and do not have to withstand the load of the table top and are independent of the table top supporting parts.

Other objects of the present invention are to provide a table which is so constructed as to permit the vertical adjustment of its top, which is easy to adjust, simple, inexpensive to manufacture, durable, sturdy, of pleasing appearance and efficient in operation.

For other objects and for a better understanding of the invention, reference may be had to the following detailed description taken in connection with the accompanying drawing, in which:

Fig. 1 is a perspective view of the table embodying the features of the present invention,

Fig. 2 is a front elevational view of the table with the top elevated,

Fig. 3 is a front elevational view of the table with the top lowered,

Fig. 4 is an end elevational view of the table,

Fig. 5 is an enlarged, fragmentary and bottom plan view of the table,

Fig. 6 is a fragmentary longitudinal sectional view taken on line 6-6 of Fig. 5.

Referring now to the figures, 10 and 11 represent side support members between which is extended a wide bottom tie member 12 having drop portions 13 and 14. On the top of the member are guide strips 15, 16 and 17 providing for guide ways 18 and 19 along which lower ends of crossed retaining members 21 and 22 are slidable.

Each of the supports 10 and 11 have openings 23 into which an extension member 24 may be adjusted. The extension member 24 is hinged to the inside face of the support as indicated at 25 and is connected by hinge 26 to a second extension member 27 hinged to a table top 28 as indicated at 29. When the table top 28 is elevated the support and its extension members 24 and 27 will lie in vertical alignment with one another as shown in Figs. 2 and 3. When the table top is lowered, the extension members 24

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and 27 will extend inwardly. The hinge 26 has a spring 31 associated therewith to maintain the extension members in their vertically aligned positions.

The crossed retaining members 21 and 22 are respectively pivotally connected to the bottom face of the table top as indicated at 32 and 33 and when extended will have their lowered ends in engagement with stop projections 34 and 35 extending upwardly through openings in the tie member 12 whereby to prevent the outward adjustment of the lowered ends of the legs along respective guide ways 18 and 19.

Connected by a spring hinge 36 to the bottom face of the tie member and containing the projection 34 is an arm 37. Laterally spaced from the arm 37 and connected by a spring hinge 38 to the bottom of the tie member 12 is an arm 39 having the stop projection 35.

Extending transversely of the bottom of the tie member 12 is a piece 41 to which is hingedly connected a parallel member 42 which extends through an opening 43 in the drop portion 14 and has a handle formation 44. By moving the handle 44 to a position as shown in dotted lines 45 in Fig. 3, the arms 37 and 39 will be engaged by the member 42 and lowered to pull the stop projections 34 and 35 downwardly from the guide ways to release the ends of the retaining members 21 and 22 so as to permit the table to be collapsed and its table top lowered to the position shown in Fig. 3 whereby the table will be made adaptable for use as a coffee table beside lounge chairs.

It should now be apparent that there has been provided a table wherein its top can be easily and quickly adjusted between raised and lowered positions wherein a simple retaining arrangement is provided at a center position beneath the table top for retaining the table top in the elevated position and easily releasable to permit the lowering of the table top as by the simple turning of a single knob.

While various changes may be made in the detail construction, it shall be understood that such changes shall be within the spirit and scope of the present invention as defined by the appended claim.

What is claimed is:

A table comprising: side supports, members extendable from each of the side supports, a table top connected to said members, said members and the side supports serving to retain the table top in its elevated position, and the side supports serving to retain the table top in its

lowered position; a tie member extending between the side supports, and releasable retaining means extending between the tie member and the table top for fixing the table top in its raised position and for preventing the collapse of the extended supporting members; said releasable retaining means including crossed retaining members hingedly connected to the table top, stop projections connected to the tie member to be resiliently extended into the path of lateral movement of the lowered ends of the retaining members to hold the retaining members in their elevated position and adapted to be withdrawn to release the retaining members.

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