Oct. 9, 1951 D. L. ADSIT 2,570,301

TABLE AND CHAIR UNIT

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Fig. 1.

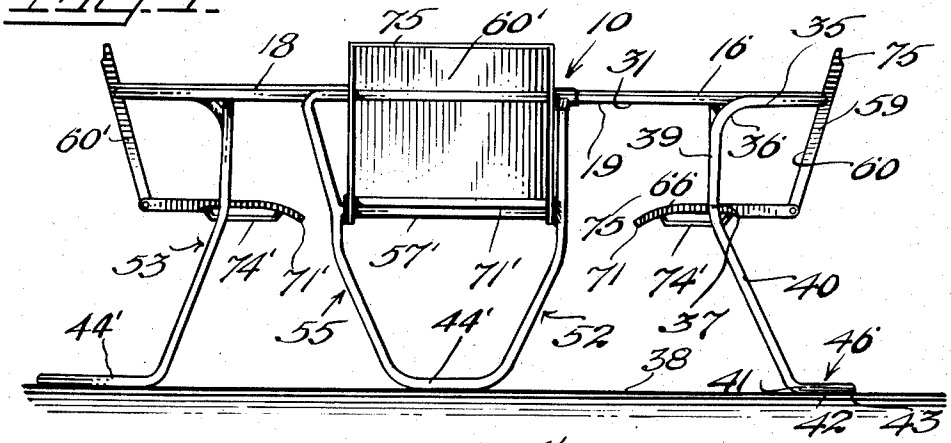
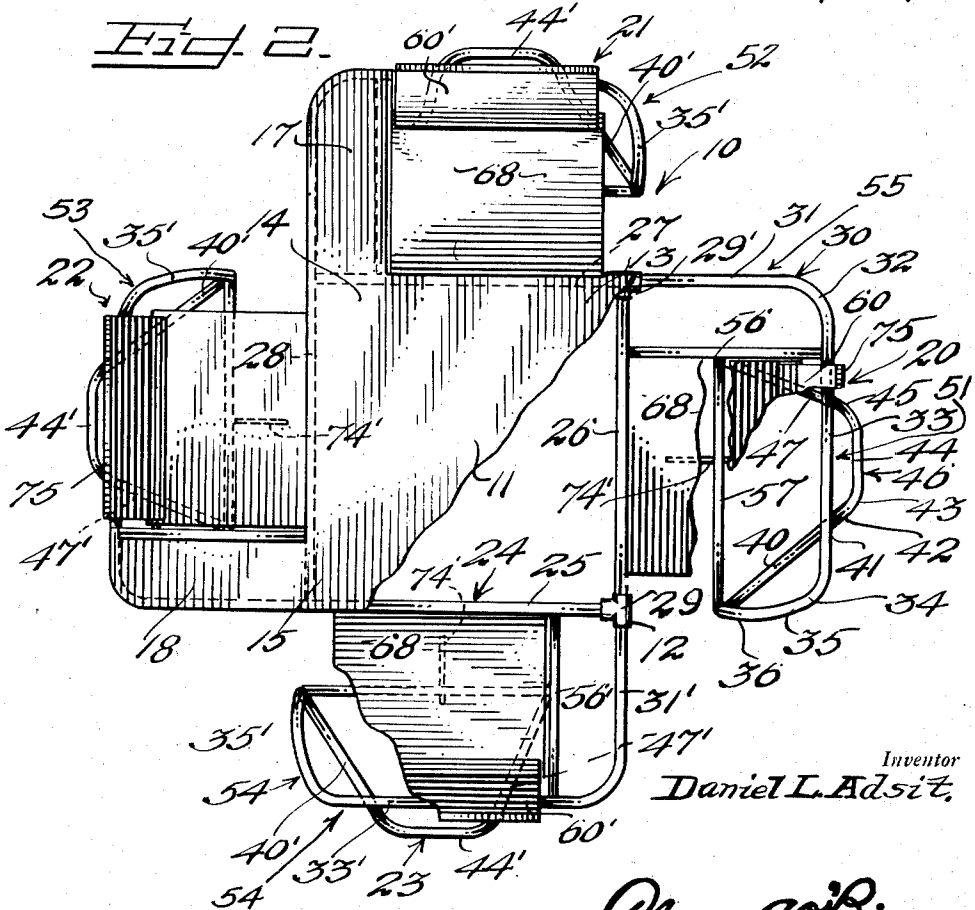


Fig. 2.



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Fig. 3.

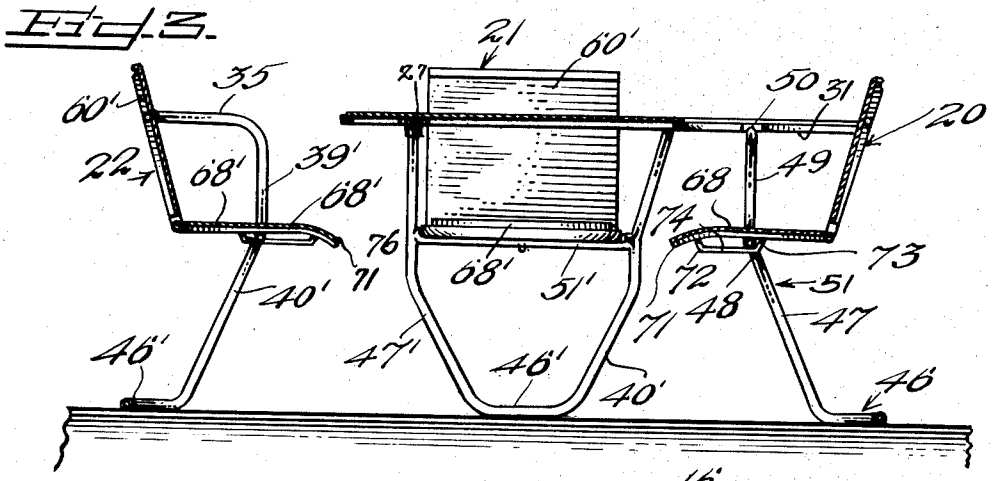


Fig. 4.

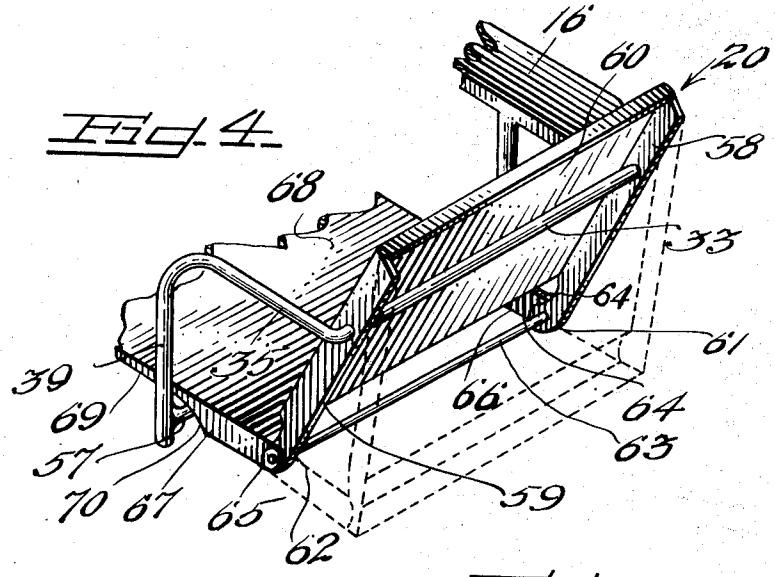


Fig. 5.

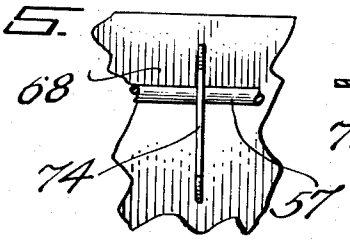
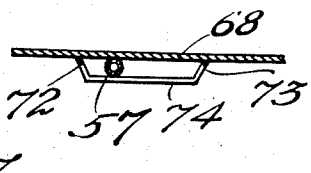


Fig. 6.



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UNITED STATES PATENT OFFICE

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TABLE AND CHAIR UNIT

Daniel L. Adsit, Fontana, Calif.

Application February 18, 1946, Serial No. 648,375

11 Claims. (Cl. 155—123)

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My invention as described herein, and illustrated in the accompanying drawings, consists of furniture, an object of which is to provide a combination table and chair set formed in a single unit.

Another object of my invention is to provide a table and chair unit in which the chairs have swinging action.

A further object of this invention is to provide a combination table and chair set, the frame of which is of tubing and the table and four chairs are formed in a single unit.

Other features and advantages will become more readily apparent from the following description and the accompanying illustrative drawings in which:

Figure 1 is an elevational view of my invention,

Figure 2 is a top plan view thereof, broken away,

Figure 3 is a transverse sectional view of the device,

Figure 4 is a perspective view of a chair, broken away, and

Figures 5 and 6 are detail views.

While one embodiment of my invention is illustrated in the above referred to drawings, it is to be understood that they are merely for the purpose of illustration and that various changes in construction may be resorted to in the course of manufacture in order that the invention may be utilized to the best advantage according to circumstances which may arise, without in any way departing from the spirit and intention of my device, which is to be limited only in accordance with the appended claims. And while I have stated the primary field of utility of my invention it remains obvious that it may be employed in any other capacity wherein it may be found applicable.

In the accompanying drawings, and in the following specification, the same reference characters are used to designate the same parts and elements throughout and in which 10, refers to my invention in its entirety and 11, indicates a table top from the four corners 12, 13, 14 and 15, of which are extensions 16, 17, 18 and 19, all of which are at right angles relative to one another and form arm rests for a series of four chairs 20, 21, 22 and 23.

The table top 11, is mounted upon a rectangular frame top 24, formed of four tubes 25, 26, 27 and 28, connected together by pipe couplings 29. Each of said tubes is provided with extensions 30, which are formed in the following manner: Beginning at the coupling 29', the extension 31, is curved around at right angles to form a back piece 33, for the chair 20, and parallels the tube 26. From the part 34, element 33, is again curved around and extended substantially

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in parallelism with element 31, as at 35, all of the elements 31 to 35, being on a common plane with the frame 24. However, the arm 35, is about one-half the length of arm 31, and at its horizontal end 36, is curved down vertically to a point 37, about seventeen inches from a floor level 38, and forms a support 39, for the arm 35.

From the point 37, the tube is inclined rearwardly down to said level 38, to form a leg 40, which is turned rearwardly at 41, on said level and extends horizontally as at 42, for a short distance where it is curved at 43, back to parallel element 33, as at 44, to the return portion 45, forming a foot piece 46, and then inclines upwardly and outwardly as at 47, to form a leg conforming to leg 40. The leg 47, from its upper portion 48, extends vertically as at 49, and is coupled at 50, with the element 31.

The elements from 31 to 49, form a frame section 51, which together with similarly formed frame sections 52, 53 and 54, form a complete frame-work 55, for the said table top 11, and for chairs 20 to 23. Each of the elements 26 to 28, and the elements 33, are connected by tubes 56, paralleling the sections 31, and together therewith form supports for the arms 16 to 19, which, as stated, extend from the table top 11. The vertical arm supports 39 to 44, are connected at the points 37 and 48, by a horizontal cross bar 57, forming parts of said framework 55.

Pivotally supported upon each of the members 33, by the out-turned flanges 58 and 59, are chair backs 60, the lower ends 61 and 62, of which flanges are pivoted to a rod 63, which bears pivotally in the rear terminals 64 and 65, of the down-turned flanges 66 and 67, of a chair seat 68. The said flanges 66 and 67, are reduced in depth as at 69, to ride over the bar 57, and the edges 70, of the flanges form stops to limit the inner movement of the swinging chair 20. The free forward edge 71, of the chair seat 68, is preferably curved down as shown. Fixed to the bottom of the seat 68, by right-angular terminals 72 and 73, is a rod 74, between which and the chair seat the tube 57, extends, whereby movement of the chair is limited.

Of course the table top and its extending arm rests, the chair backs and seats may be made of any suitable material, but I prefer either plywood, metal or plastic. The chairs are so arranged that their forward edges 71, will normally extend in to a vertical plane with the edges of the table or slightly thereunder as desired. It is to be noted that there are no table legs to interfere with the legs or feet of those using the table, nor are there chair legs so located as to so interfere. The chairs may be easily swung by drawing in the upper edge 75, of the backs thereof to provide ample space 76, for persons to pass in be-

tween the chairs and table to seat themselves. The chair extensions 16 to 19, may be either integral with the top 11, or they may be suitably attached thereto. The joints 29, of all pipe connections may be welded instead of screw threaded together.

It is thought that persons skilled in the art to which the invention relates will be able to obtain a clear understanding of the invention after considering the description in connection with the drawings. Therefore, a more lengthy description is regarded as unnecessary.

Changes in shape, size and rearrangement of details and parts such as come within the purview of the invention claimed may be resorted to, in actual practice, if desired.

Having now described my invention that which I claim as new and desire to procure by Letters Patent is:

1. An article of furniture comprising a tubular frame, a table top carried by said frame, integral horizontal extensions projecting outwardly from said frame, arm rests integrally formed with said table top and mounted on said extensions, each of said extensions including a chair frame and a pair of legs, and a seat slidably mounted on each of said chair frames.

2. An article of furniture comprising a tubular frame, a table top carried by said frame, integral horizontal extensions projecting outwardly from said frame, arm rests carried by said extensions, each of said extensions including a chair frame and a pair of legs, a seat slidably mounted on each of said chair frames, and means limiting the movement of said seats relative to said chair frames.

3. The combination of claim 2 wherein said limiting means includes a cross member carried by each of said frames, and U-shaped brackets carried by said seats for loosely engaging said cross member.

4. An article of furniture comprising a multi-sided main frame having a plurality of corners, a table top carried by said frame, horizontal extensions projecting outwardly from the corners of said frame, and seat frames at the outer terminals of said extensions supporting said main frame in an elevated position, said table top having portions overlying said extensions and forming arm rests, each of said seat frames including a pair of spaced parallel legs, a foot piece connecting the lower terminals of said legs, an arm portion carried by one of said legs, a back rest support carried by said arm portion and said extension, a cross member carried by said legs, a seat slidably mounted on said cross member, and a back rest pivoted on said back rest support and hinged to said seat.

5. The combination of claim 4 wherein each of said extensions supports an arm rest.

6. An article of furniture comprising a substantially square tubular frame, horizontally disposed extensions at each corner of said frame, said extensions having horizontally disposed lateral projections forming back rest supports, brace tubes securing said lateral projections to said frame, said brace tubes being parallel to said extensions, a substantially square table top secured to said frame and having arm rest forming pieces at the corners thereof overlying said extensions and said brace tubes, chair frames integrally formed with said lateral projections, seats carried by said chair frames, and back rests pivotally supported on said lateral projections and hinged to said seats.

7. The combination of claim 6 wherein each of said chair frames includes a leg portion secured to said extensions.

8. An article of furniture comprising a substantially square frame of tubular construction, horizontal extensions at each corner of said frame, lateral projections on said extensions forming back rest supports, further projections on said lateral projections, said further projections being spaced parallel to said extensions, legs depending from said extensions and said further projections, said legs being arranged in pairs, cross members joining the legs of each pair of legs, seats slidably supported on said cross members, a back rest pivotally mounted on each of said lateral projections, means pivotally securing said seats to said back rests, and a table top supported on said frame and having arm rest forming portions secured to said extensions.

9. The combination of claim 8 and tubular members terminally secured to said frame and said lateral projections, said tubular members underlying the portions of said table top.

10. An article of furniture comprising a substantially square tubular frame, horizontally disposed extensions at each corner of said frame, said extensions having horizontally disposed lateral projections forming back rest supports, brace tubes securing said lateral projections to said frame, said brace tubes being parallel to said extensions, a substantially square table top secured to said frame and having arm rest forming pieces at the corners thereof overlying said extensions and said brace tubes, and chair frames integrally formed with said lateral projections.

11. An article of furniture comprising a substantially square frame of tubular construction, horizontal extensions at each corner of said frame, lateral projections on said extensions forming back rest supports, further projections on said lateral projections, said further projections being spaced parallel to said extensions, legs depending from said extensions and said further projections, said legs being arranged in pairs, cross members joining the legs of each pair of legs, and a table top supported on said frame and having arm rest forming portions secured to said extensions.

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REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
D. 99,556	Smith	May 5, 1936
967,600	Berstein	Aug. 16, 1910
1,346,976	Rankin	July 20, 1920
1,493,119	Love	May 6, 1924
1,586,487	Thixton	May 25, 1926
1,978,650	Shannon	Oct. 30, 1934
2,016,850	Bittermann	Oct. 8, 1935
2,023,830	Dusinberre	Dec. 10, 1935
2,109,869	Ross	Mar. 1, 1938
2,324,252	Woelfer	July 13, 1943
2,400,588	McArthur	May 21, 1946
2,417,733	Booth	Mar. 18, 1947

FOREIGN PATENTS

Number	Country	Date
415,549	Great Britain	Jan. 24, 1934
414,245	France	Aug. 29, 1910