Jan. 3, 1956 J. B. ADLER 2,729,280

CHAIR SEAT FASTENER

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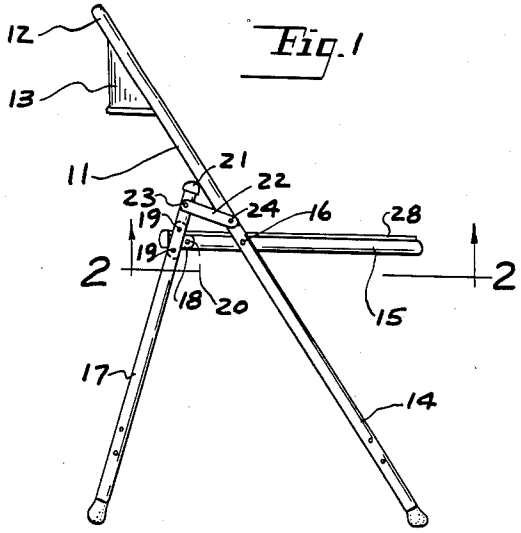


Fig. 1

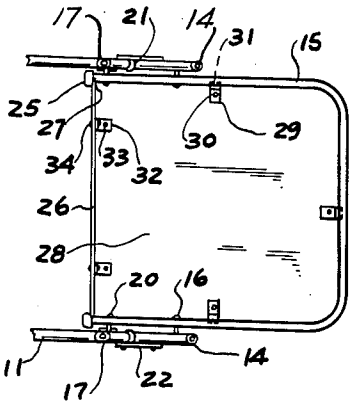
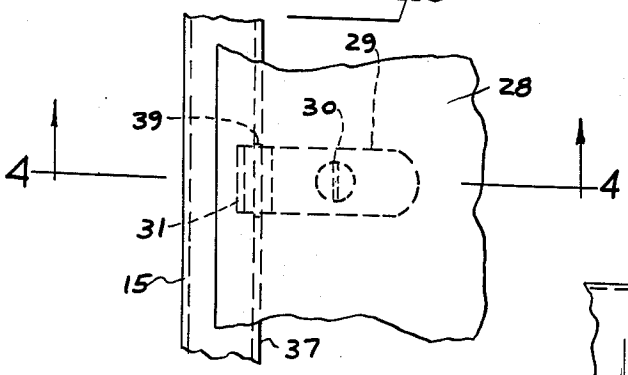


Fig. 2

Fig. 3



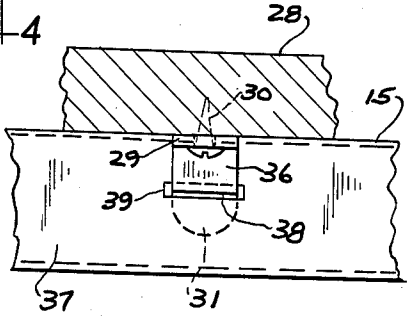


Fig. 5

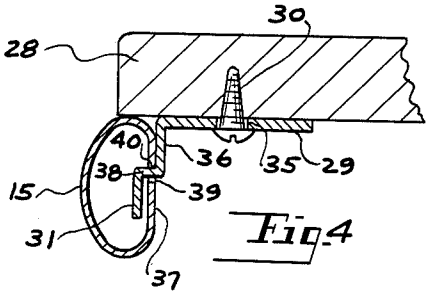


Fig. 4

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CHAIR SEAT FASTENER

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1 Claim. (Cl. 155—196)

This invention relates to chair constructions and more particularly to a novel seat construction for a chair.

It is the object of the present invention to provide a novel construction of chair seat frame, together with a novel method of securing the seat to the frame.

It is the further object of the present invention to provide a novel chair seat structure wherein the chair seat platform is removably secured to the chair frame.

It is the still further object of this invention to provide a novel clip structure secured to the undersurface of the chair seat platform, and retainingly cooperative with the seat frame for removably securing the platform thereto.

These and other objects will be seen from the following specification and claim in conjunction with the appended drawing in which:

Fig. 1 is a side elevational view of a chair construction embodying the present chair seat mounting.

Fig. 2 is a section taken on line 2—2 of Fig. 1.

Fig. 3 is a fragmentary plan view on an enlarged scale illustrating the mounting and securing of the chair seat platform to the seat frame.

Fig. 4 is a fragmentary section taken on line 4—4 of Fig. 3; and,

Fig. 5 is a fragmentary right side elevational view of the structure shown in Fig. 3.

It will be understood that the above drawing illustrates merely a preferred embodiment of the invention and that other embodiments are contemplated within the scope of the claim hereinafter set forth.

Referring to the drawing the present chair seat is adapted by way of illustration to a folding chair such as shown in Fig. 1. However, it is contemplated that the present seat construction could just as well be adapted to a non-folding chair.

In Fig. 1 the folding chair shown includes an inverted U-shaped tubular frame **11**, whose depending end portions **14** define the front legs of the chair. The central upper portion of frame **11** as at **12** receives and retains the formed back-rest **13**.

Intermediate the front legs **14** there is positioned a horizontally disposed U-shaped tubular frame **15**, which is pivotally connected upon its opposite sides as by rivets **16** to the front legs **14**.

There are also provided a pair of parallel upwardly and forwardly inclined rear legs **17**, which are arranged upon opposite sides of rear portions of frame **15**. Mounted upon the interior surfaces of each of said legs adjacent their upper ends is a bracket **18**, suitably secured thereto at **19**. The said brackets are pivotally connected by rivets **20** to rear portions of frame **15**.

The upper ends of legs **17** have secured thereon the preferably rubber, caps **21**, which in full open position of said chair engage rear portions of chair frame **11**.

Links **22** are pivotally connected at **23** respectfully to upper portions of leg **17**. The opposite ends of said links

are pivotally connected at **24** to the front legs **14**, above their respective pivotal connections with seat frame **15**.

Plugs **25** extend within and are secured to the rear free ends of frame **15**. Cross-bar **26** interconnects the free ends of frame **15** with end portions of said bar projecting into transverse recesses in said frame ends as in points **27** to thereby complete the frame structure.

Chair platform **28** is positioned upon and over the frame **15** and is secured to said frame by a series of clips **29**, which are joined to the undersurface of said platform by the screws **30** or equivalent fastener as illustrated in the drawing Figures 2 and 4. Said clips at their one ends having retaining portions **31**, which are positioned within the chair frame **15**, in the manner hereafter described for effectively securing the said platform to said frame.

Angle elements **32**, secured as at **33** to the under surface of platform **28**, are also secured by the rivets **34** to frame cross-rod **26** as shown in Fig. 2.

The clips **29** adjacent one end have transverse apertures **35** which receive the screws **30**, as shown in Fig. 4. The clip extends along the under surface of platform **28**, towards its periphery and has a downwardly depending element **36** lying in a vertical plane which cooperatively bears against the interior upright surface **37** of tubular frame **15**.

Element **36** terminates in a horizontally disposed element **38** which extends through an adjacent horizontally disposed slot **39** formed in wall **37** of frame **15**, which element **38** operatively bears against the bounding wall portion **40** of slot **39** for effectively securing the platform to the frame and for drawing the same tightly thereover.

The horizontal element **38** of clip **29** terminates in the vertically depending locking element **31** which is spaced inwardly of and parallel to inner wall **37** to thereby complete the chair platform mounting on frame **15**.

There is formed within the interior surface **37** of frame **15** a series of spaced coplanar elongated slots **39** adapted to receive portions **38** and **31** of clips **29**, which as shown in Fig. 4 secure platform **28** to the tubular seat frame **15**.

I claim:

In a folding chair having a pair of front legs, a pair of rear legs and a seat between said pairs of legs and pivotally mounted thereon, said seat comprising a hollow tubular frame lying in a single plane, said frame having a plurality of spaced horizontally extending coplanar slots formed in its inner wall, a platform positioned upon said frame, and a plurality of locking clips secured upon the undersurface of said platform adjacent said frame, each clip being vertically offset below said platform extending horizontally through and retainingly positioned in an adjacent frame slot in operative engagement with a portion of said frame forming the top boundary of the slot, and extending downwardly upon the interior of said frame adjacent its inner wall.

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