March 22, 1955 R. A. SALZER 2,704,569

CHAIR

Original Filed Oct. 28, 1949

Fig. 1

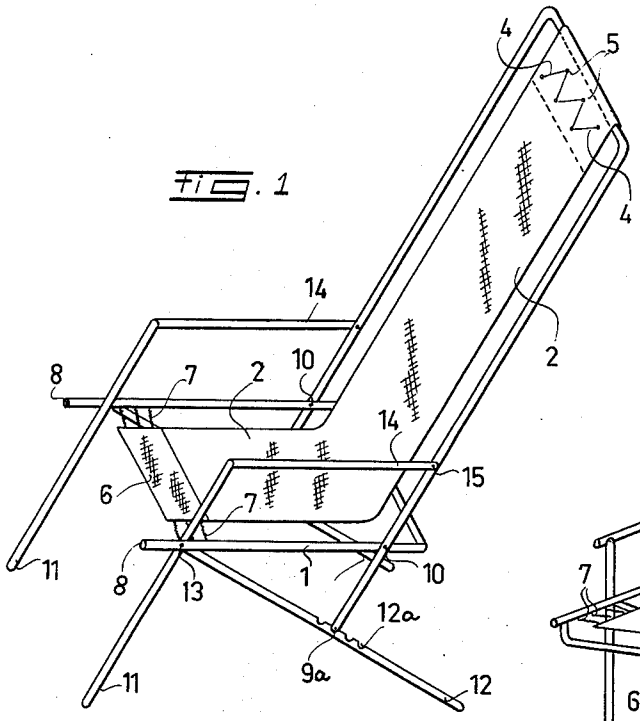


Fig. 2

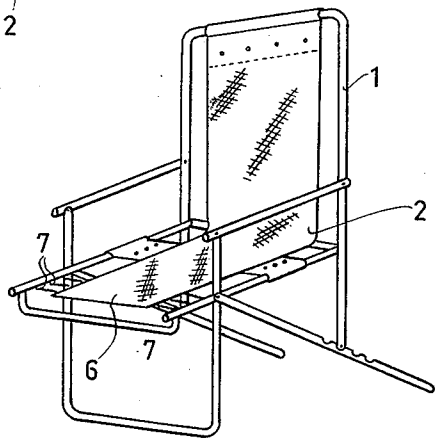


Fig. 4

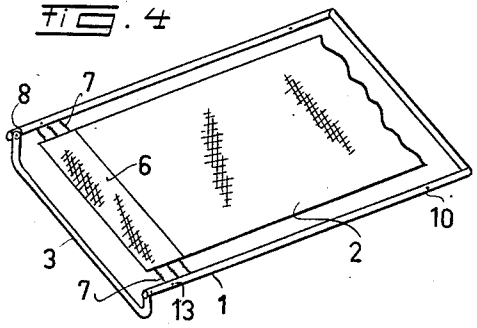
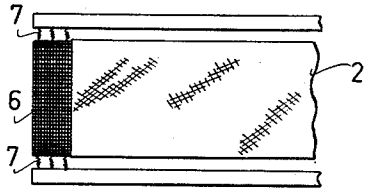


Fig. 3



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2,704,569

CHAIR

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Continuation of abandoned application Serial No. 124,049, October 28, 1949. This application November 10, 1953, Serial No. 391,254

1 Claim. (Cl. 155—187)

The present invention relates to preferably adjustable chairs, such as beach, deck or lawn chairs, and the like and is a continuation of my copending application, Serial Number 124,049, now abandoned.

Such chairs comprise, essentially, a frame, leg supports for the frame, and a supporting sheet of fabric, canvas or the like flexible material secured to cross bars of the frame and affording support to a person sitting or lying on the chair. When a person sits or lies down on such a chair, the front cross bar of the frame or other metallic material to which the supporting fabric is attached exerts a pressure on the thighs or legs.

The above disadvantage is overcome in accordance with the present invention by providing a seat frame which is open at the front end and yieldably securing the supporting fabric to said open end of the seat frame by means of a cross strip of fabric. A rigid U-shaped member may be secured to the side bars of the seat frame at its open end to brace the side bars and prevent them from sagging inwardly, the lateral part of the U-shaped bracing member lying below the plane of the seat frame. However, if the seat frame is mounted on leg supports which will prevent sagging, for instance, if the leg supports are held in place by means of a cross bar, this bracing member may be omitted.

The seat frame and/or the bracing member may be of wood, metal or other suitable rigid material. If desired the bracing member may be pivotally connected to the side bars of the seat frame so that it may swing around its pivot upon folding of the chair.

Preferably the supporting fabric may be yieldably secured to the open-ended seat frame by providing a cross strip of fabric resiliently attached to the side bars of the frame adjacent their ends and connecting the edge of the fabric to the cross strip.

Several forms of construction in accordance with certain embodiments of the invention are shown in the drawing, wherein

Fig. 1 shows a folding beach or reclining chair embodying the invention;

Fig. 2 shows a folding chair embodying another form of the invention;

Fig. 3 shows one form of the yieldable forward securing means of the fabric;

Fig. 4 shows the seat frame of Fig. 1, provided with a bracing cross bar.

In all the forms of the invention, the chairs are provided with a fabric, canvas, plastic or the like flexible sheet constituting the sitting or supporting surface.

In the embodiment of a folding chair shown in Fig. 1, there is shown a seat frame **1** having one open end. Back frame **9** is mounted on the side bars of the seat frame by means of pivot joints **10**. The fabric **2** is connected to the frame **9** in a removable manner by means of a cord **4** which is pulled through eyelets **5** in the fabric, the fabric being folded with a loop over the upper frame bar of the back frame.

The seat and back frames are supported by front legs **11** and back legs **12** which are connected to the side bars of the seat frame at pivot **13**. Arm rests **14** are pivoted to the ends of legs **11** and to back frame **9** at **15**, intermediate pivot **10** and the upper frame bar. The ends **9***a* of the back frame engage any of notches **12***a* provided in back legs **12** for the purpose of making the reclining angle of the back frame adjustable. All these constructural features for making a chair foldable and adjustable are known per se.

As shown more particularly in Fig. 3, fabric **2** is attached yieldably to the seat frame by means of fabric strip **6** fastened to spring **7**.

Fig. 4 shows the seat frame of Fig. 1 provided with bracing member **3** at its open end. This is a U-shaped bar pivoted to the side bars of the frame at **8** so that the lateral part of the bar lies below the plane of the seat frame.

Fig. 2 shows a folding chair which has features similar to those of the chair in Fig. 1 but is constructed only for sitting whereas the chair in Fig. 1 is constructed for sitting and lying.

What I claim is:

In a chair construction, the combination of a pair of spaced side bars having front and rear ends, a sheet of flexible material extending between but detached at its side edges from said side bars and constituting the sole seat of the chair, and resiliently yieldable means for operatively connecting said sheet to said side bars, said means comprising a cushioning strip of fabric co-extensive with and secured to the front edge of said sheet, opposite ends of said strip being spaced inwardly from said side bars, and a plurality of tension springs secured to both ends of said strip and to the front end portions of said side bars and bridging the spaces therebetween.

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