June 19, 1951 D. McDONALD 2,557,671

CHAIR COMPRISED OF RESILIENT SIDE FRAME MEMBERS

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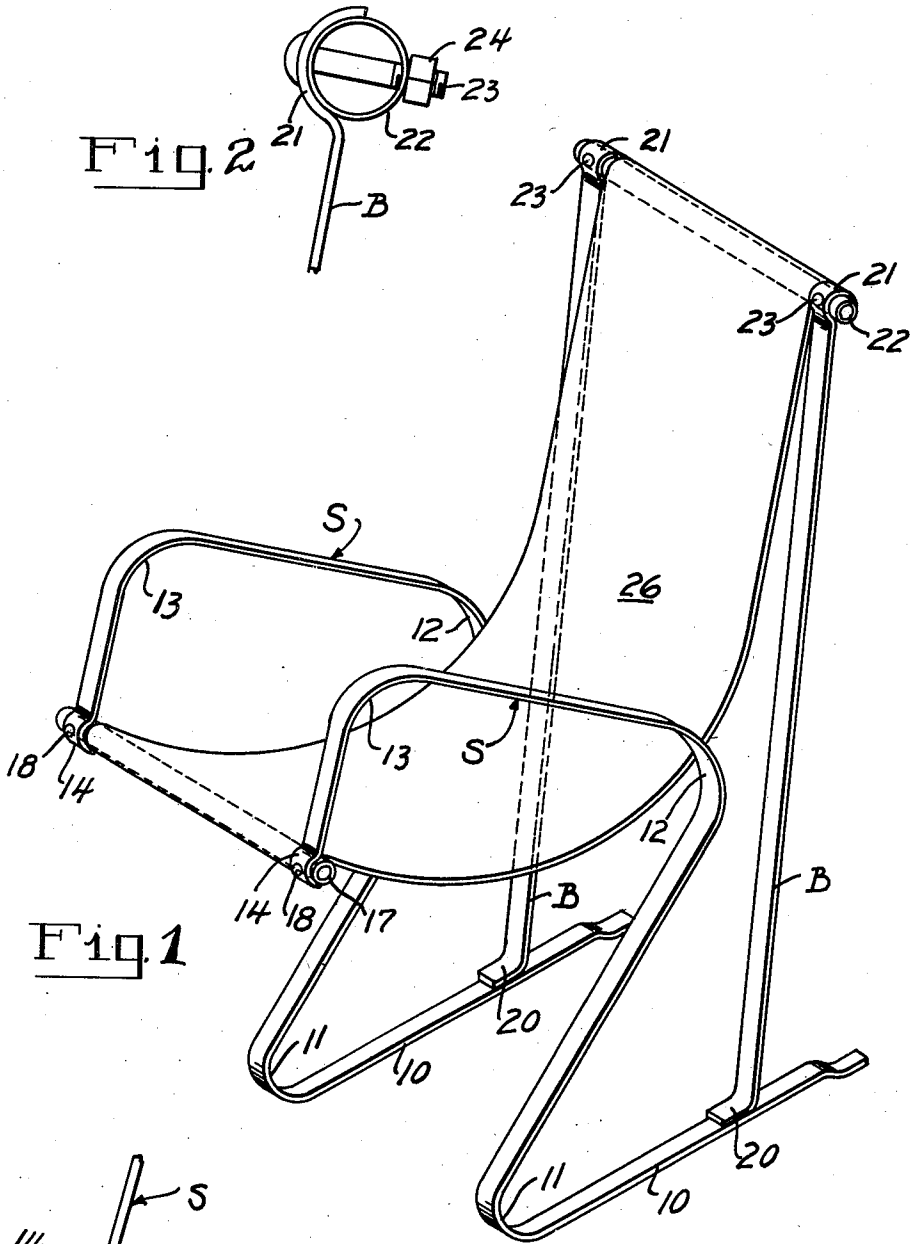


Fig. 2

Fig. 1

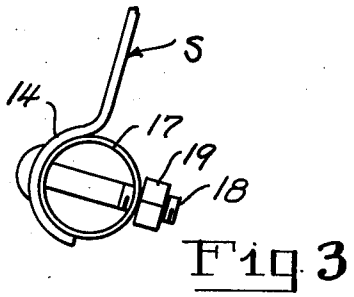


Fig. 3

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CHAIR COMPRISED OF RESILIENT SIDE FRAME MEMBERS

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2 Claims. (Cl. 155—50)

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This invention relates to chairs and particularly to a chair constructed of resilient frame members with a suspended fabric seat and back and has for an object the provision of a chair of the character designated which shall be simple and sturdy of design and construction, and which may be readily disassembled for packaging and shipment and reassembled for use.

In particular, my invention contemplates an improved means for rigidly joining together the resilient structural frame members of a chair, whereby they are firmly held when subjected to the bending and strain incident to use.

A chair embodying features of my invention is illustrated in the accompanying drawing forming a part of this application in which:

Fig. 1 is a perspective view thereof; and,

Figs. 2 and 3 are detail views showing the means for connecting the side frame members together.

Referring to the drawing for a better understanding of my invention, my improved chair comprises two side members S, each made of resilient strap metal and each comprising a base 10 having a forward curved bend 11 extending therefrom upwardly and rearwardly, and terminating in a forwardly turned curved bend 12. From the bend 12 the member extends horizontally to form an arm rest and is then turned downwardly at 13 to terminate finally in a semicylindrical clamp 14 for supporting the forward end of the seat.

The two clamps 14 each partially encircle a cross bar 17 in the form of a pipe section, of a length equal to the width of the chair and which joins the two side frame members. A bolt 18 passes through each of the clamps and its associated pipe section and rigidly joins the two together by means of a nut 19.

Joined to the two bases 10, intermediate the ends thereof, are two back frame members B, each made of resilient strap metal and each having a foot portion 20 extending horizontally forward where it is joined to the base. From its base 10 each member B rises upwardly and slightly rearwardly to terminate in a semi-cylindrical clamp 21. The two semi-cylindrical clamps 21 of the member B are joined together by a cross bar 22, preferably in the form of a pipe section, similar to the cross bar 17. A bolt 23 passes through each clamp 21 and the pipe section 22 and a nut 24 on the end thereof serves to join the two rigidly together. A seat in the form of a fabric strip 26, or other suitable material, is connected at its upper end to the bar 22 and at its lower end to the bar 17, to form a seat and back. The frame members constructed as described flex under the weight and movements of a seated person, providing a very comfortable chair.

As will be seen by consideration of the drawing, the clamp members 14 and 21 each closely fit about their associated pipe sections and when the bolts 18 and 23 are tightened down, relative movement between the frame members and pipe sections is prevented and the frame members are

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rigidly held together. Inasmuch as the side and back frame members are resilient and flex when in use, the rigid joining together of the frame members at their ends, as herein described, is very important in maintaining them against coming loose.

While I have shown my invention in but one form, it will be obvious to those skilled in the art that it is not so limited, but is susceptible of various changes and modifications, without departing from the spirit thereof, and I desire, therefore, that only such limitations shall be placed thereupon as are specifically set forth in the appended claims.

What I claim is:

1. In a chair embodying opposed resilient side frame members, each side frame member comprising a metal strip having a horizontal base portion bent at its forward end to extend rearwardly and upwardly, then bent to extend forwardly and horizontally and then extending downwardly to terminate at a point above the base portion, and having a vertical metal strip secured to the rear end of the base portion and terminating substantially above the first mentioned terminal, cross bar seat supports joining the opposed termini and a fabric seat suspended from the cross bars, a semi-cylindrical clamp member forming each terminus and fitting closely about its associated cross bar, and a bolt passing diametrically through the clamp and the cross bar.

2. In a chair embodying a pair of resilient side frame members, each side frame member comprising a metal strip having a horizontal base portion bent at its forward end to extend rearwardly and upwardly, then bent to extend forwardly and horizontally and then extending downwardly to terminate in semi-cylindrical clamp members at a point above the base portion, and having a vertical metal strip secured to the rear end of the base portion and terminating in semi-cylindrical clamp members substantially above the first mentioned terminal, cross bars joining the opposed clamp members, a bolt passing diametrically through each of the clamp members and its corresponding cross bar, and a fabric sheet forming a seat and back joining the two cross bars.

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