May 24, 1927. 1,629,630

A. MILLER

CHAIR

Filed April 27, 1925

Fig. 1.

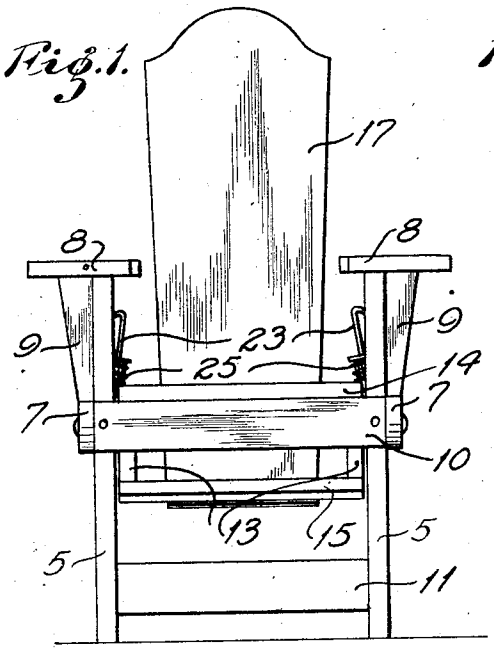


Fig. 2.

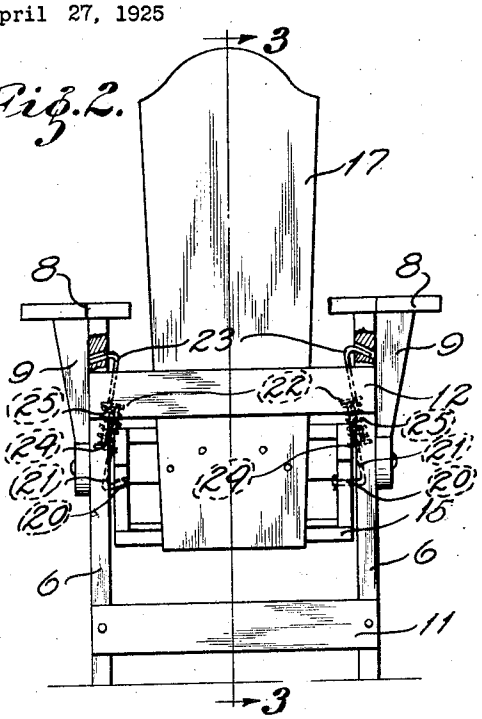


Fig. 3.

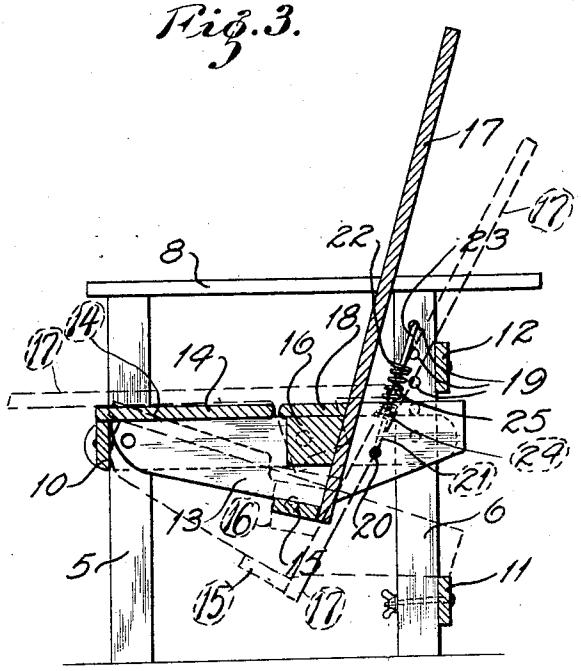
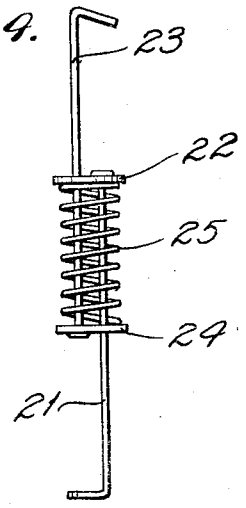


Fig. 4.



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ADOLPH MILLER, OF KIRKWOOD, MISSOURI.

CHAIR.

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My invention relates to improvements in chairs and has for its primary object a chair which can be readily taken apart and crated for shipping purposes so that it will occupy a relatively small space when so knocked down thereby saving freight charges, and in which the rear edge of the seat is adjustable up and down so that the seat can be made either horizontal or incline downwardly and rearwardly.

A further object is to construct a chair in which the back can be folded down over the seat so that when the chair is used as a lawn chair, the seat will be protected against rain or sun when not in use.

In the drawings:

Fig. 1 is a front elevation of the chair;

Fig. 2 is a rear elevation of the same with portions of the rear legs broken away and in section;

Fig. 3 is a vertical section taken on the line 3—3 of Fig. 2; and

Fig. 4 is an enlarged view of the supporting springs.

In the construction of my device, I employ a chair having front legs 5 and rear legs 6. These legs are connected together by means of cleats 7, which are permanently fixed to legs. Extending across the legs 5 and 6 on each side of the chair are arm rests 8, which are relatively wide and which are additionally supported by means of brackets 9 secured to the legs. Extending across the front of the chair and connecting the legs 5 is a cleat 10, which is preferably secured to the legs in such a manner that it can be readily removed. This may be done by means of bolts provided with thumb nuts, but if desired plain nuts may be used. Connecting the legs 6 are cleats 11 and 12. The cleats 11 being near the bottom of the leg 6 while the cleat 12 is fairly close to the arms 8. These cleats are also secured in the same manner as the cleat 10. Pivotally secured to the legs 5 are seat members 13 to which is secured the forward seat portion 14. The seat members 13 have also secured thereto a cleat 15. This cleat is secured intermediate the ends of the seat members and holds the members in spaced apart position. Pivotally secured between the seat members 13 is a cross piece 16 to which is secured the back 17 and also a rear seat portion 18. The cleat 15 also serves as an abutment for the lower end of the back 17 and limits the rearward movement of the back. Formed in the legs 6 are a plurality of vertically disposed openings 19. These openings incline outwardly and downwardly, and are arranged one above the other as illustrated in Fig. 3, and are also opposite each other. These openings are for the purpose of raising and lowering the seat, as will be hereinaftter described. Formed in each of the seat members 13 is an opening 20 in which is inserted a hook 21. This hook has secured to its opposite end a plate 22. Inserted in one of the openings 19 is a hook 23, which is provided with a plate 24 on its opposite end. The plates 22 and 24 are provided with openings through which the shanks of the hooks extend and between the plates is located a coil spring 25. The purpose of this spring is to permit a certain amount of resilience to the seat so that when the chair is occupied, there will be a slight give to the seat. The cleat 11, in addition to serving to hold the legs 6 together and against spreading, also serves as a rest for the rear end of the members 13 when the seat is lowered to its fullest extent. When in this position the back 17 contacts with the cleat 12 and is thus supported. This is essential for the reason that when the rear end of the seat is lowered, the body of the person occupying the chair will necessarily slide backward and place a great deal of weight against the back and by having the back supported by the cleat a lot of strain is removed from the cleat 15 and the pivoted member 16.

It will be noted that the hook 23 is bent downward so that when the same is hooked into one of the openings 19, the weight, which is suspended from the hook, will have the tendency to cause it to ride deeper down into these openings and thus effectively prevent it from coming out. The hook 21 is preferably provided with an opening so that a cotter key can be passed therethrough, and in this way the hook prevented from coming out of the opening 20.

By my construction a wide and comfortable chair can be made, one especially adapted for the porch or lawn, and which can be readily taken apart for winter storage so as to occupy a small space. It can furthermore be readily taken through narrow doors when in knocked down condition, this being a great drawback to most lawn furniture

because it is usually too wide to pass through the cellar door, and furthermore lawn furniture, which is not knocked down, takes up considerable space—not alone when stored for the winter but also for shipping or when packed away in furniture houses for the winter, whereas my device when knocked down occupies a relatively small amount of space.

Having fully described my invention, what I claim is:

1. A chair comprising a pair of side members provided with legs, means for detachably securing said members together in spaced apart relation to each other, seat members pivotally secured at their forward ends to certain of said legs, their rear ends being free and unattached, a forward seat portion carried by said seat members, a cross piece pivotally carried by and between said seat members, a rear seat portion carried by said cross piece, a back secured intermediate its ends to said cross piece, and means for adjustably raising and lowering the rear ends of said seat members, said means also holding said members in adjusted position.

2. A chair comprising a pair of said members having front and rear legs, means for detachably securing said members together in spaced apart position, seat members pivotally secured at their forward ends to the front legs and between said side members, the rear ends of said seat members being free to be raised and lowered, means carried by said seat members and adapted for variable engagement with the rear legs for adjusting said seat members up and down, a forward seat portion secured to said seat members, a rear seat portion pivotally carried by said seat members, a back secured intermediate its ends to said rear seat portion, and means carried by said seat members and connecting with said back whereby the pivoting of the rear seat portion is limited in one direction.

In testimony whereof I have affixed by signature.

ADOLPH MILLER.