April 29, 1924. 1,491,918

H. E. NOLAN

LAWN CHAIR

Filed May 26, 1922

Fig. 1.

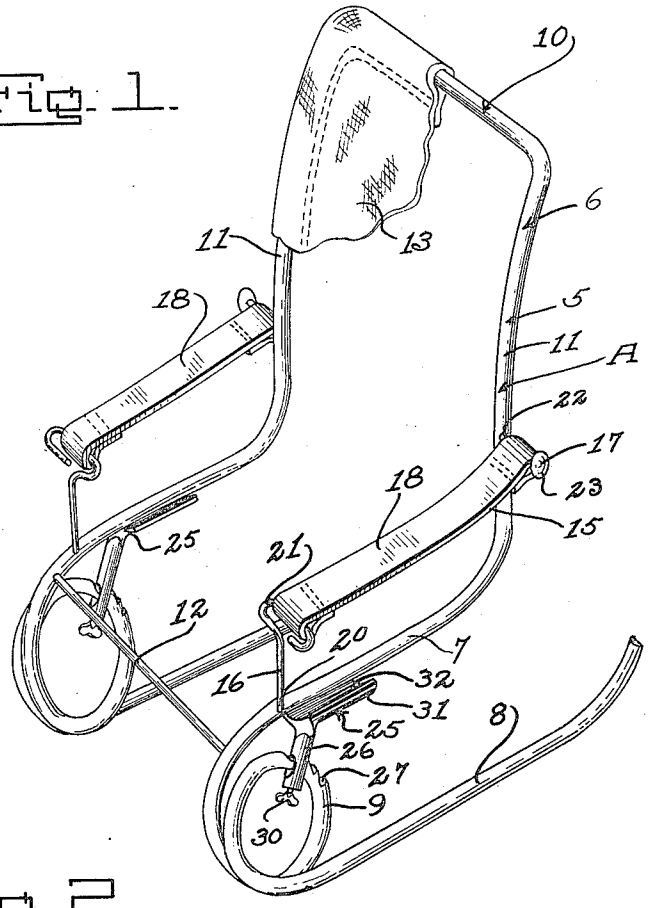
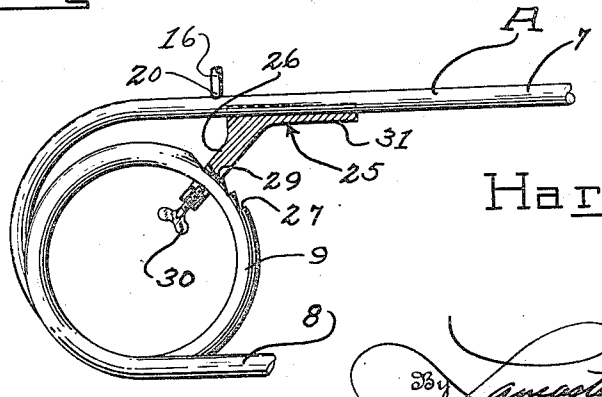


Fig. 2.



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UNITED STATES PATENT OFFICE.

HARRY E. NOLAN, OF DES MOINES, IOWA.

LAWN CHAIR.

Application filed May 26, 1922. Serial No. 563,898.

To all whom it may concern:

Be it known that I, HARRY E. NOLAN, a citizen of the United States, residing at Des Moines, in the county of Polk and State of Iowa, have invented certain new and useful Improvements in Lawn Chairs, of which the following is a specification.

This invention relates to chairs and the primary object of the invention is to provide a novel lawn chair of a simple and durable construction and one which is of a resilient nature, so that the same will be comfortable for persons using the same.

Another object of the invention is the provision of an improved lawn chair in which the main body portion thereof is formed from a single strand of steel rod bent into such a form as to provide a support for a flexible back and seat rest, floor engaging supports, and resilient members interposed between the seat support and the floor engaging support, whereby a certain resiliency will be had between the seat and the floor engaging support or member.

A still further object of the invention is the provision of novel adjustable members associated with the chair for engaging the seat portions thereof, so as to limit the movement of the seat portion in relation to the floor engaging member.

A still further object of the invention is the provision of novel arm rests associated with the chair, which also form brace members therefor.

A still further object of the invention is to provide a novel lawn chair, which can be placed upon the market at a low cost, and which will be simple and easy to manufacture.

With these and other objects in view, the invention consists in the novel construction, arrangement and formation of parts, as will be hereinafter more specifically described, claimed and illustrated in the accompanying drawings, forming a part of this specification, in which drawings:

Figure 1 is a perspective view of the improved lawn chair, showing parts of the back and seat cover broken away.

Figure 2 is a fragmentary side elevation of the chair, showing the novel adjustable means for engaging the seat portion of the chair in section.

Referring to the drawings in detail, wherein similar reference characters designate corresponding parts throughout the several views, the letter A indicates the improved chair which is preferably constructed from a single steel or similar rod.

This rod is designated by the numeral 5 and is bent to form a back portion 6, a seat portion 7, a floor or other support engaging portion 8, and a resilient connecting portion 9.

As shown in the drawings, the back portion 6 consists of a cross rod 10, and depending spaced parallel rods 11, which are bent forwardly at substantially right angles to provide the horizontal seat portion 7. The portions are then coiled to provide the shock absorbing or resilient portion 9 and the terminals of the rods are then continued rearwardly to provide the ground engaging portions 8, which are preferably flattened, as clearly shown in Figure 1 of the drawings.

When forming the chair, it can be seen that a single length of rod is taken and bent on each side of the cross rod portion 10 and then bent at right angles to provide the seat portion 7 and then coiled as shown at 9 and then contained rearwardly as at 8 to provide the floor or other support engaging member. If desired, the portion 11 can be curved outwardly so as to form a neat appearance and conform to the configuration of a person's back. The spaced seat rods forming the seat portion which are designated by the numeral 7, are connected together by a cross rod 12 and this cross rod 12 may have its terminals oppositely threaded and fitted in suitable openings formed in the said supporting member.

The back portion 6 and the seat portion 7 are preferably covered by some strong flexible material, such as canvas, as shown at 13. It is desirable that the edges of the flexible covering 13 be folded over and sewed, so as to form a seam for housing the rod.

Suitable arm members 15 are provided for the sides of the chair, and these arm members consist of the front support 16 and rear supports 17. The supports 16 and 17 are connected together by a flexible arm rest 18, which is preferably formed of canvas or the like.

The front support 16 for each one of the arm rests includes an upstanding rod 20 having its upper end bent to provide a loop 21

around which the forward end of the flexible arm rest 18 can be folded and sewed. The inner end of the arm or support 20 can be threaded into engagement with the part 7 of the chair. The rear support 17 merely includes an outwardly extending cylindrical member 22, which is threaded into the back pieces 11 and the cylindrical member can be provided with a head 23, so that the rear end of the flexible arm rest 18 cannot slide off of the same.

In some instances, the spring portion 9 of the chair is liable to flex to too great an extent, such as when a very heavy person sits on the same. In order to provide for this contingency, adjustable supporting members 25 for the seat portion 7 are provided. These adjustable supporting members 25 each consist of a shank 26, which is apertured for receiving the spring portions 9 of the chair and the outer face of the convolutions of the spring portion is provided with a plurality of notches 27, any one of which is adapted to be engaged by a tooth 29 formed on the shank portion and if desired a set screw 30 can be carried by the shank portion for impinging against the inner surface of the convolution and for drawing the tooth in engagement with the notched portion of said spring part of the chair. The upper end of the shank portion 26 is provided with a rearwardly extending supporting arm 31, the upper surface of which is preferably grooved, as at 32 for receiving the seat supporting part 7 of the chair.

Thus it can be seen that the supporting arms 31 can be adjusted, so as to form a stop for supporting the seat portion 7 of the chair according to the weight of the persons who are going to use the same.

From the foregoing description, it can be seen that an improved novel lawn chair has been provided, in which the frame portion thereof is constructed from a single length of steel rod, and which is of a resilient nature so as to be extremely comfortable for persons using the same.

Changes in details may be made without departing from the spirit or scope of this invention; but,

I claim:

1. A chair comprising a seat portion including a pair of spaced parallel rods, a back portion consisting of a pair of spaced parallel rods connected to the first mentioned rods, a cross rod connecting the upper ends of the second mentioned set of rods together, a pair of rearwardly extending floor engaging rods, a coiled portion connecting the seat rods and the floor engaging rods together, adjustable supporting arm members carried by the coiled portion for engaging the rods of the seat portions, and means for holding the arms in any preferred adjusted position on said coiled portion.

2. A chair comprising a seat portion including a pair of spaced parallel rods, a back portion consisting of a pair of spaced parallel rods connected to the first mentioned rods, a cross rod connecting the upper ends of the second mentioned set of rods together, a pair of rearwardly extending floor engaging rods, a coiled portion connecting the seat rods and the floor engaging rods together, the coiled portions having a plurality of spaced notches formed therein, adjustable supporting arm members slidably mounted on the coiled portion including semi-cylindrical shaped supporting brackets for engaging the under side of the rods of the seat portion and forwardly and downwardly extending apertured arms for receiving the coiled portions, a tooth formed on each apertured arm engaging the notches, and a set screw carried by each arm for engaging the coil portion and for forcing the tooth in engagement with one of these notches.

HARRY E. NOLAN.