Sept. 14, 1948. G. P. WILSON 2,449,523

STADIUM FOLDING CHAIR

Filed Feb. 12, 1947

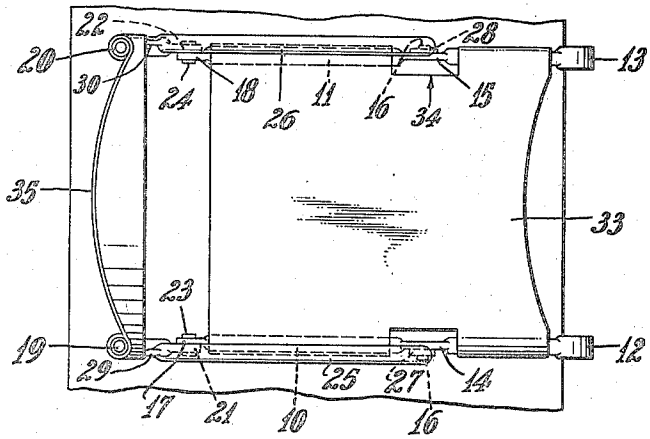


Fig. 2

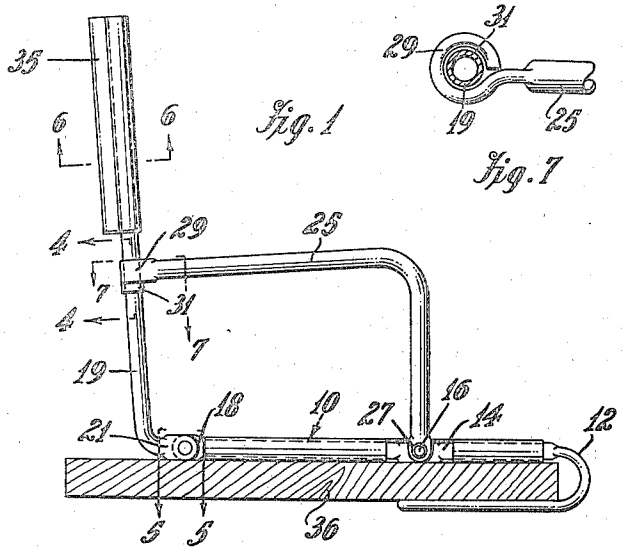


Fig. 1

Fig. 7

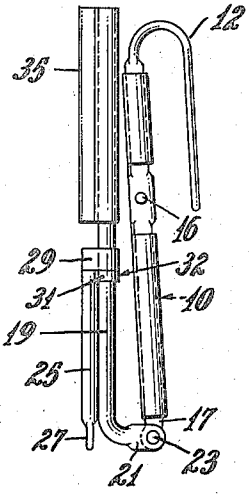


Fig. 3

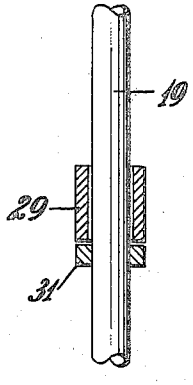


Fig. 4

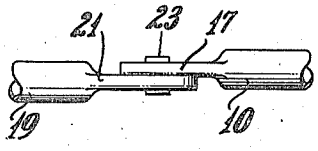


Fig. 5

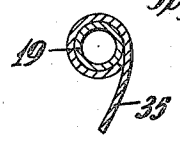


Fig. 6

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STADIUM FOLDING CHAIR

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3 Claims. (Cl. 155—133)

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This invention relates to folding chairs, and aims to provide a novel, practical, and useful padded folding chair adapted to be mounted, when in extended condition, on stadium benches such as the board type which is commonly found in both indoor and outdoor arenas and stadiums. The chair is mounted in place by merely slipping it over the front of the bench in the desired location, and thus provides a comfortable padded seat and back rest for the user, adding to the enjoyment of the game or spectacle being observed.

Sitting on a hard board bench without a back rest at a stadium is very uncomfortable and fatiguing, especially when observing a game or spectacle which lasts several hours. The discomfort incurred by the spectator detracts considerably from his enjoyment of the game. Such discomfort is eliminated by this invention and greatly enhances the pleasure of the spectator in the game.

Another object of the invention is the provision of a chair which is, when collapsed, compact in size, light in weight and easy to carry.

The above as well as additional and more detailed objects will become apparent in the following description, wherein characters of reference refer to like-numbered parts in the accompanying drawing. It is to be noted that the drawing is intended for the purpose of illustration only and that it is neither desired nor intended to limit the invention to any or all of the specific details of construction shown excepting insofar as they may be deemed essential to the invention.

Referring briefly to the drawing,

Fig. 1 is a side elevational view of the folding chair in extended condition mounted on the board seat of a stadium bench.

Fig. 2 is a plan view of the same.

Fig. 3 is a plan view of the chair in collapsed condition.

Fig. 4 is a fragmentary sectional view taken on the line 4—4 of Fig. 1.

Fig. 5 is a sectional view taken on the line 5—5 of Fig. 1.

Fig. 6 is a sectional view taken on the line 6—6 of Fig. 1.

Fig. 7 is a sectional view taken on the line 7—7 of Fig. 1.

Referring in detail to the drawing, the numerals 10 and 11 indicate a pair of substantially parallel tubular members of any suitable material, such as, for example, steel tubing. The forward extremities of the members 10—11 are deformed into flat horizontal cross-section and the deformed portions which thus possess a degree of resiliency,

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are doubled back underneath and spaced substantially parallel to the members 10 and 11, thus forming yieldable yokes 12 and 13. Intermediate the length of the members 10 and 11 a relatively small portion of each member is deformed so as to provide parallel vertical sides, shown at 14 and 15, positioned in corresponding relationship along the length of the members 10 and 11. Each of the flattened portions 14 and 15 is provided with an outwardly-facing pin 16 rigid thereon.

The rear extremities of the members 10 and 11 are deformed to provide ears 17 and 18, respectively, thereon having holes therein. Parallel spaced upright members 19 and 20 have their lower extremities bent at somewhat less than right angles and have ears 21 and 22, respectively, formed integral therewith and having holes therein. The ears 17 and 21, and 18 and 22, respectively, when joined by the pivot pins 23 and 24, form pivotal joints between the members 10—19 and 11—20, respectively.

Side members or arm rests 25 and 26, of substantially the same material as the previously described members, are bent at substantially less than right angles at a point intermediate their length and at their lower extremities are provided with ears 27 and 28, respectively, having holes therein. The ears 27 and 28 may be extended and bent under the seat members 10 and 11 at substantially at right angles, if desired, not shown. The upper or rear extremities of the arm rests 25 and 26 are deformed into a flat vertical cross-section and formed into loops 29 and 30, respectively, of substantially the same diameter as the members 19 and 20, and surrounding the same intermediate their length. The loops 29 and 30 are restrained from downward movement on the upright members 19 and 20 by the collars 31 and 32 rigidly fixed on the members 19 and 20, respectively, by means of soldering, or welding, not shown, by way of example. The loops 29 and 30 in connection with the uprights 19 and 20 form rotatable mountings for the arms 25 and 26, allowing the arms 25 and 26 to be swung in an arc at right angles to the uprights 19 and 20 respectively.

A seating surface 33, of sheet metal or other suitable material, is attached to the members 10 and 11 by wrapping around the said members, cutouts 34 being provided at the joints of the arm rests 25—26 with the seat members 10 and 11. A curved back rest 35 of similar material to the seating member 33 is provided between the spaced uprights 19 and 20 and is similarly attached thereto. Light padding or upholstery, not shown,

may be provided on the surfaces of the seat **33** and the back rest **35**.

To prepare the chair for use, the user sets the horizontal or seat portion on the bench **36** and slides the chair backward, engaging the bench in between the members **10—11** and the yokes **12** and **13**, thereby frictionally attaching the chair to the bench. The back is then raised to upright position, the arms **25** and **26** swung forward into alignment with the members **10** and **11**, and the pins **16** registered in the holes in the ears **27** and **28**, thus forming a joint supporting the arms **25** and **26**. When a person sits back in the chair the side arms are held in position and kept in place by the pins **16**. To collapse the chair, the reverse procedure is followed, the ears **27** and **28** being slipped off the pins **16**, the arms **25** and **26** being swung to the rear of the uprights **19** and **20**, and then the uprights **19** and **20** are folded downward parallel to the seat portion into the condition shown in Fig. 3, and the entire seat is then slid forward out of engagement with the bench.

Obviously, modifications in form and structure may be made without departing from the spirit and scope of the invention.

I claim:

1. A folding chair comprising a pair of spaced horizontal substantially parallel seat frame members having yieldable horizontal yokes on the forward extremities thereof, a flat seat mounted on and extending between said seat frame members and maintaining said seat frame members in parallel spaced relationship, an outwardly facing pin rigid on each of said seat frame members substantially intermediate their length, a pair of substantially parallel upright members

each being pivotally connected at its lower extremity to the rear extremity of one of said seat frame members, a back rest mounted on and extending between said upright members and maintaining said upright members in substantially parallel relationship, a collar rigidly mounted on each of said upright members substantially intermediate the height of said upright members, a pair of angularly bent arm members having the rear ends deformed into vertical cylindrical loops, said upright members registering rotatably in said loops, said loops resting on the upper surfaces of said collars, an ear having a hole therethrough on the lower extremity of each of said arm members, said pins on said seat frame members registering in said holes in said ears thereby removably joining the lower extremities of said arm members to said seat frame members when said chair is in extended condition.

2. The folding chair set forth in claim 1, said flat seat member and said back rest having padding applied to the upper surfaces thereof.

3. The folding chair set forth in claim 1, said horizontal yokes comprising doubled-back extensions on the forward ends of said seat frame members.

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REFERENCES CITED

The following references are of record in the file of this patent:

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