

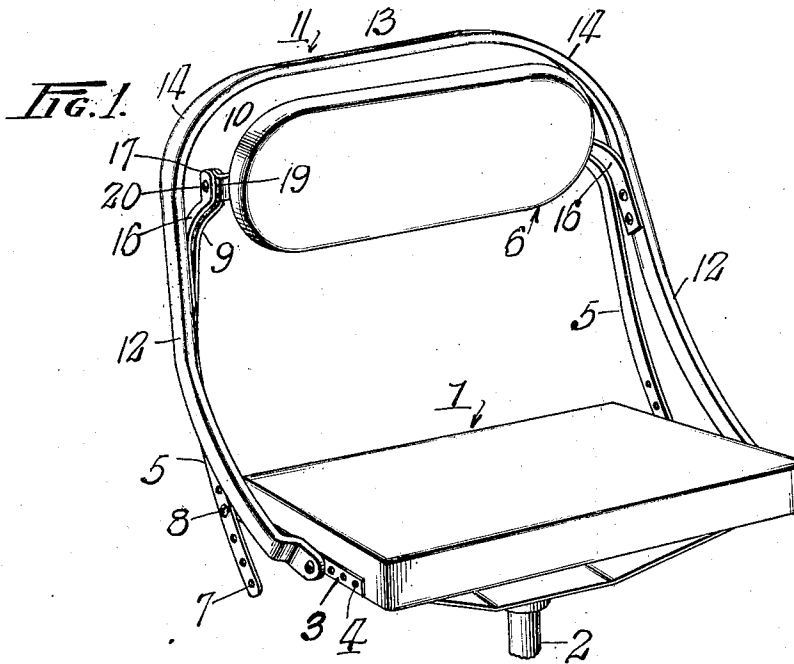
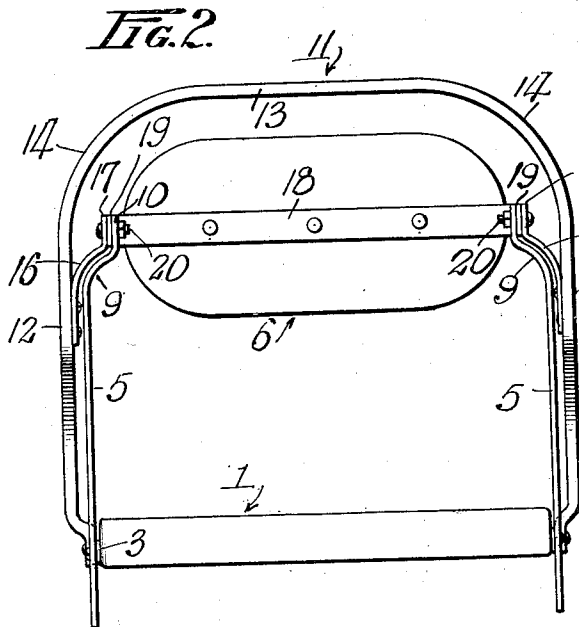
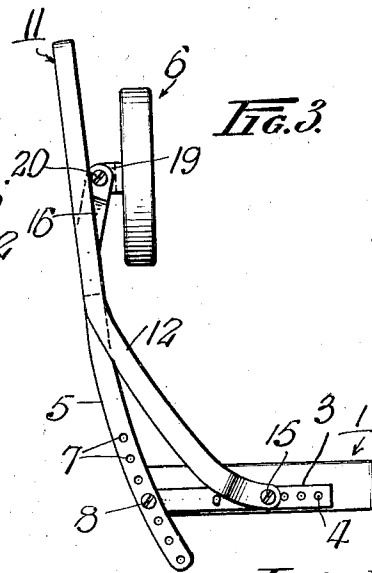
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W. S. FERRIS

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CHAIR

Filed May 23, 1930



Inventor
William S. Ferris

By: *Arthur W. Nelson*

Att'y

UNITED STATES PATENT OFFICE

WILLIAM S. FERRIS, OF ELKHART, INDIANA

CHAIR

Application filed May 23, 1930. Serial No. 454,869.

This invention relates to improvements in chairs and it consists of the matters herein-after described and more fully set forth in the appended claims.

The invention relates more particularly to the manner of supporting the back-rest associated with the seat, and the object thereof is to provide a construction which is strong and durable and is easy to manipulate when it is desired to adjust the back-rest into the desired position.

Another object of the invention is to provide a bail shape member adjustably connected with the sides of the seat, which member coacts with a pair of arms also adjustably connected to the sides of the seat to support a back-rest, a portion of said bail being so disposed with respect to the back-rest as to prevent its accidental engagement with an associated article of furniture so as to damage the same in the moving about of the chair, to which it is subjected in use.

These objects of the invention as well as others, together with the many advantages thereof will more fully appear as I proceed with my specification.

In the drawings:—

Fig. 1 is a perspective view of the seat and back-rest supporting structure of a chair embodying my invention.

Fig. 2 is a view in rear elevation of the same.

Fig. 3 is a view in side elevation of the same.

Referring now in detail to that embodiment of the invention illustrated in the drawings, 1 indicates as a whole the seat of a chair mounted for operative connection with a base (not shown) in any suitable manner. Said seat as shown herein is substantially rectangular and is provided at each side with a flange or strip 3 provided at its front end with longitudinally spaced openings 4.

5—5 indicate supporting arms for a back-rest 6. Said arms are made of flat strip stock and in the bottom end of each arm are longitudinally spaced openings 7 through any one of which a screw 8 may be inserted and then screw threaded into a suitable opening provided therefor in the associated strip 3,

whereby the arms may be adjusted with respect to the seat 1. The top end of each arm is curved inward as at 9 and terminates in a short upright extension 10, the purpose of which will soon appear.

11 indicates as a whole an inverted U or bail shaped member that cooperates with the arms 5—5 to support the back rest 6. Said member which is preferably made of tubular stock includes, side members 12—12 and a top cross member 13, connected thereto by rounded corners 14—14. Substantially the bottom half of each side member is bent out of the plane of the top half and the bottom end extremity of each side member is adjustably and pivotally connected to the associated flange or strip 3 in the desired opening 4 thereof by a screw 15.

On the inner face of each side member 12 near the curved portion that connects the top and bottom portions thereof, is fixed in any suitable manner, an inwardly extending bracket 16 that terminates in an upright extension 17.

On the rear side of the back-rest 6 is fixed a metallic strap 18. The end portions of said strap extend beyond the ends of said back rest and are bent to form rearwardly extending ears 19—19. Each ear 19 of the back rest is engaged between the extension 10 and 17 respectively of associated arms 5 and bail members 12 respectively to be secured thereto by bolts or rivets 20. In this respect it is pointed out that the back-rest is capable of a limited amount of pivotal movement so that it can adjust itself to the back of the occupant of the chair upon leaning back against the back rest, it being impossible for the back rest to swing downwardly about the pivots 20 beyond that point wherein the bottom edges of the ears 19 engage the curved portions 9 of the back-rest arms.

To adjust the back-rest the screws 8 are removed and the arms 5—5 are adjusted vertically (up or down) and the screws 8 are then replaced in the proper holes 7 and the associated holes in the rear ends of the strips 3. The screws 15 are then removed and the bottom ends of the members 12 are moved forwardly or rearwardly and the screws 15

are then replaced to secure said members in the new position. Thus the back-rest may be adjusted into that position most comfortable for the occupant of the chair.

5 The use of the bail member 11 provides many advantages. The cross bar 13, being disposed above the back-rest not only provides a convenient hand hold in moving the chair about from one point of use to another,
10 but it also prevents the engagement of the rear side of the back-rest with any associated article of furniture with resulting damage thereto against which the chair may be accidentally moved. Again such a bail having
15 its side members connected by an integral cross member at the top, acts to more rigidly hold the back-rest structure against lateral shifting with attending racking.

While in describing the invention, I have
20 referred in detail to the form, arrangement and construction of the parts thereof, the same is to be considered as illustrative only, so that I do not wish to be limited thereto except as may be specifically set forth in the
25 appended claims.

I claim as my invention:—

1. A chair embodying therein a seat, supporting arms pivotally and vertically adjustably connected to the seat, a bail including
30 side arms and a top connecting member, said side arms being adjustably connected to said seat, inwardly extending brackets on the side members of the bail, a back-rest and means connecting said back-rest to said supporting
35 arms and to said brackets in a plane below the top connecting member of said bail.

2. A chair embodying therein a seat, supporting arms pivotally and vertically adjustably connected at their bottom ends to said
40 seat, a bail including side arms and a top connecting member, said side arms being adjustably connected to said seat, inwardly extending brackets on said side arms of the bail and including portions disposed adjacent the
45 top ends of said supporting arms, a back-rest and means pivotally connecting said back-rest with said top ends of said arms and said portions of said brackets so that said back-rest is supported thereby.

3. A chair embodying therein a seat, supporting members operatively connected at their bottom ends to said seat, a bail including side arms and a top connecting member,
50 means connecting said arms with said seat, brackets extending inwardly from said side arms towards the top ends of said supporting members, a back-rest and means connecting
55 said back-rest to said supporting members and brackets respectively at a point below said top connecting member.

4. A chair embodying therein a seat, supporting arms pivotally and vertically adjustably connected to the seat, a bail including
60 side arms and a top connecting member, said side arms being adjustably connected to the

seat, connecting means between the top ends of the supporting arms and side members of the bail, said connecting means extending forwardly of the sides of the bail, and a back rest pivoted to the connecting means forwardly of the sides of the bail and located below the top connecting member of the bail.

In testimony whereof, I have hereunto set my hand, this 20th day of May, 1930.

WILLIAM S. FERRIS