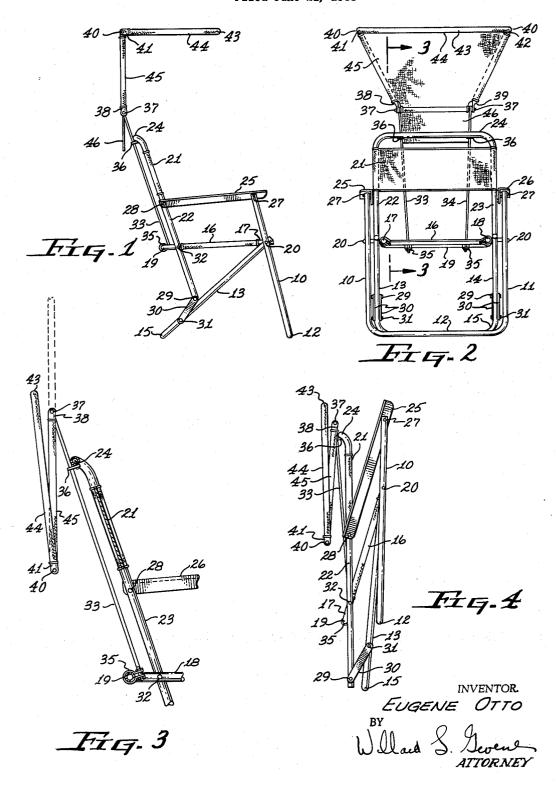
SUN SHADE FOR FOLDING CHAIR Filed June 21, 1965



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3,243,230 SUN SHADE FOR FOLDING CHAIR Eugene Otto, 521 E. Las Palmaritas, Sunnyslope, Ariz. Filed June 21, 1965, Ser. No. 465,622 3 Claims. (Cl. 297—184)

This invention pertains to improvements in sun shades for folding chairs.

One of the objects of this invention is to provide a sun shade for a folding chair which is easy to install and effective in use on the folding chair.

Condition of both the chair and sun shade gether for convenient carrying and storage.

While the apparatus herein disclosed and

Another object of this invention is to provide a sun shade for a folding chair which may be folded up compactly with the chair when it is folded up.

Still another object of this invention is to provide a sun 15 shade for a folding chair which automatically adjusts its mounting on the chair members as the chair is opened or closed.

Further features and advantages of this invention will appear from a detailed description of the drawings in 20 States Letters Patent is: which:

FIG. 1 is a right hand side elevation showing a folding chair with the sun shade incorporating this invention mounted thereon.

FIG. 2 is a front elevation of the apparatus shown in 25 FIG. 1.

FIG. 3 is a fragmentary view partly in section on the line 3—3 of FIG. 2.

FIG. 4 is a right hand side elevation showing the chair and sun shade in folded condition.

As an example of one embodiment of this invention, there is shown a folding chair comprising a pair of front legs 10 and 11 integrally connected together by the horizontal ground contacting tie bar 12 and a pair of rear legs 13 and 14 by the horizontal ground contacting tie bar 15. The seat 16 is stretched between the side rails 17 and 18 which are integrally connected together at their rear ends by the rear tie bar 19. A common pivot rod 20 pivotally interconnects the top ends of the rear legs 13 and 14, intermediate portions of the front legs 10 and 11, and the front ends of the seat side rails 17 and 18. A back 21 is stretched between the back side rails 22 and 23, the upper ends of which are integrally connected together by the top tie bar 24. Arms 25 and 26 are pivotally connected at 27 at their front ends to the top ends of 45 the front legs 10 and 11 while their rear ends are pivotally connected at 28 intermediate the back side rails 22 and 23. The lower ends of the back side rails 22 and 23 are pivotally connected at 29 to links 30 which in turn are connected at 31 to the bottom portions of the rear legs 13 and 14. 50 The rear portions of the seat side rails are pivotally connected at 32 to the back side rails intermediate the pivotal connections 28 and 29.

The improvement of this invention pertains to the provision of a sun shade to a folding chair the same as or 55 similar to the above described chair and comprises a pair of laterally spaced support rods 33 and 34 pivotally mounted at 35 on the seat rear tie bar 19 and extend upwardly through guide and support clips 36 fixed to the back top tie bar 24 which have clearance holes for the longitudinal sliding of the rods 33 and 34 relative thereto. The top ends of the rods 33 and 34 are suitably connected together by the pivot tie rod 37 extending between the rods 33 and 34. Frictionally pivotally connected at their lower ends at the tie rod 37 are the angularly disposed back shade supporting rods 38 and 39 on the upper ends of which is carried the pivot rod 40 upon which is frictionally pivotally mounted the shade top side rails 41 and 42 which in turn are integrally connected together at their front ends by the tie bar 43. Suitable panels 44 and 45 of plastic or canvass material is stretched across the mem2

bers 41, 42 and 43 to form the shade top, and across the members 40, 38 and 39 to form the back shade portion respectively of the device, with an apron portion 46 depending from the pivot tie rod 37.

In FIG. 1 is shown the device in use with the folding chair opened up ready for use. In FIG. 3 is shown the chair in use with the sun shade folded out of the way behind the back of the chair. In FIG. 4 is shown the condition of both the chair and sun shade folded up to-

While the apparatus herein disclosed and described constitutes a preferred form of the invention, it is also to be understood that the apparatus is capable of mechanical alteration without departing from the spirit of the invention and that such mechanical arrangement and commercial adaptation as fall within the scope of the appendent claims are intended to be included herein.

Having thus fully set forth and described this invention what is claimed and desired to be obtained by United

1. A sun shade for folding chair comprising in combination:

(A) a seat including a rear tie bar,

(B) a back including a top tie bar,

- (C) a pair of laterally disposed vertical support rods pivotally connected at their lower ends to said seat tie bar,
- (D) means on said back top tie bar for slidingly supporting said support rods for vertical relative sliding movement thereon,
- (E) a back shade portion pivotally mounted for swinging movement about a horizontal axis on the upper ends of said support rods,
- (F) and a top shade portion pivotally mounted at its rear portion on the top portion of said back shade portion and extendable over said chair back and seat.
- 2. A sun shade for a folding chair comprising in combination:
- (A) a seat including a rear tie bar,
 - (B) a back including a top tie bar,
 - (C) a pair of laterally disposed vertical support rods pivotally connected at their lower ends to said seat tie bar.
 - (D) means on said back top tie bar for slidingly supporting said support rods for vertical relative sliding movement thereon,
 - (E) a back shade portion pivotally mounted for swinging movement about a horizontal axis on the upper ends of said support rods,
 - (F) a top shade portion pivotally mounted at its rear portion on the top portion of said back shade portion and extendable over said chair back and seat,
 - (G) said pivotal connections being frictionally restrained so as to allow positioning of the top and back shade elements in any desired position.
 - 3. A sun shade for a folding chair comprising in combination:
 - (A) a seat including a rear tie bar,
 - (B) a back including a top tie bar,
 (C) a pair of laterally disposed vertical support rods pivotally connected at their lower ends to said seat rear tie bar.
 - (D) means on said back top tie bar for slidingly supporting said support rods for vertical relative sliding movement thereon,
 - (E) a back shade portion pivotally mounted for swinging movement about a horizontal axis on the upper ends of said support rods,
 - (F) a top shade portion pivotally mounted at its rear portion on the top portion of said back shade portion and extendable over said chair back and seat,

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(G) and an apron shade portion depending from the		807,394 1	12/1905	McKeever	297—184 X
lower edge of said back shade portion of said sun		1,488,825	4/1924	Myers	. 297—184 X
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