A. P. R. WILLIS.

HAMMOCK AND LIKE CHAIR.

APPLICATION FILED AUG. 3, 1912.

1,125,425.

Patented Jan. 19, 1915.

3 SHEETS—SHEET 1.

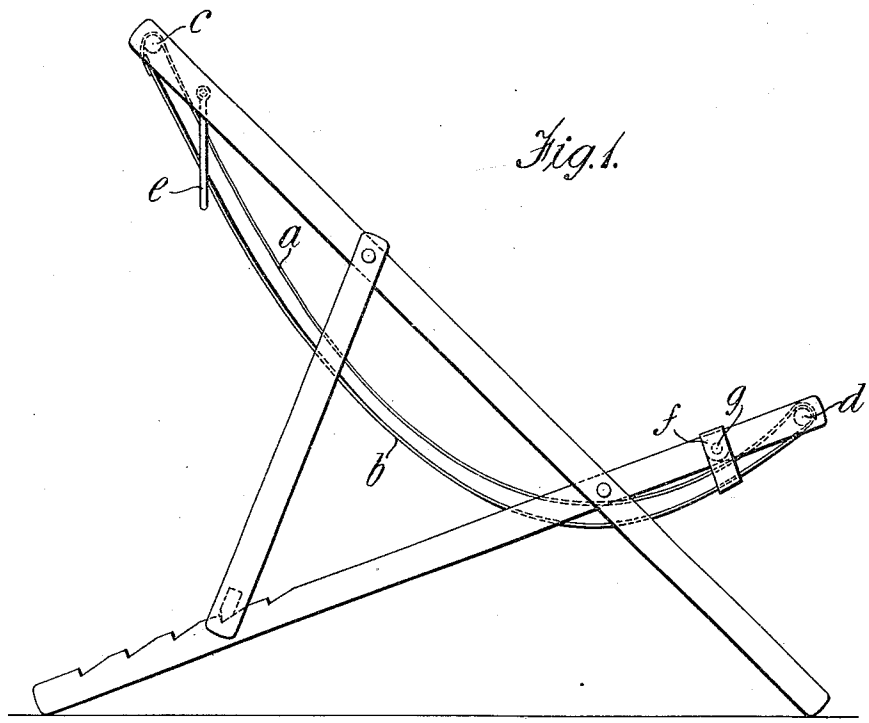


Fig. 1.

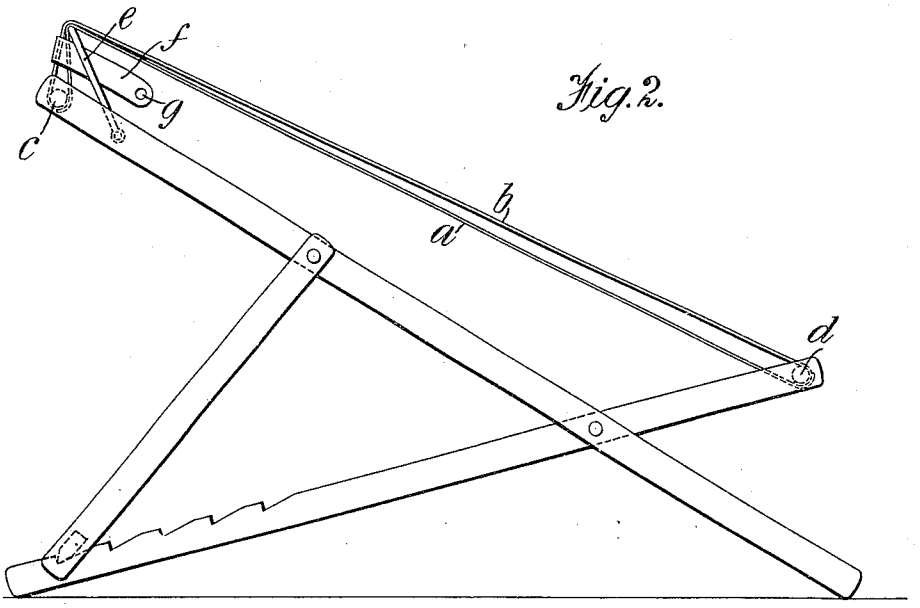


Fig. 2.

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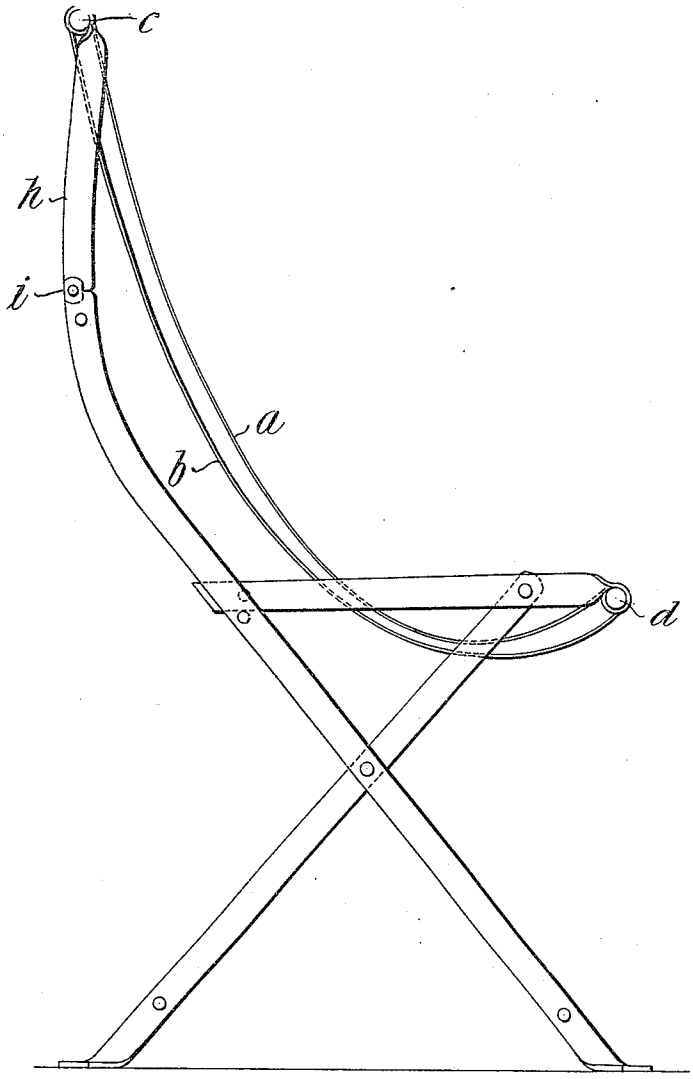


Fig. 3.

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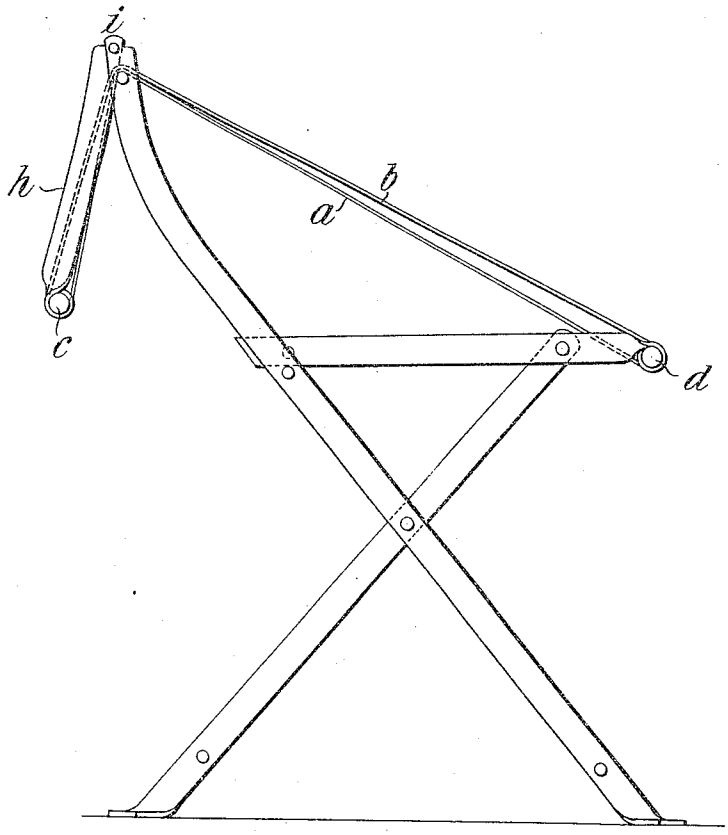


Fig. 4.

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UNITED STATES PATENT OFFICE.

AUBERON PENRY REES WILLIS, OF LEATHERHEAD, ENGLAND.

HAMMOCK AND LIKE CHAIR.

1,125,425. Specification of Letters Patent. Patented Jan. 19, 1915.

Application filed August 3, 1912. Serial No. 713,108.

To all whom it may concern:

Be it known that I, AUBERON PENRY REES WILLIS, a subject of the King of Great Britain and Ireland, residing at High Elms, Leatherhead, in the county of Surrey, England, have invented new and useful Improvements in Hammock and like Chairs, of which the following is a specification.

This invention relates to hammock and like chairs provided with a flexible seat and back.

The object of the invention is to so construct such chairs that the material of the seat and back can be protected from the deleterious effects of weather.

According to the invention the flexible seat and back of a hammock or like chair consists of an endless length of fabric which is made as to approximately one half of ordinary canvas or other suitable material and as to its other part of waterproof canvas or other weather-resisting material and is loosely passed over the upper and lower fixed bars or rails of the chair, so that when the chair is not in use the endless seat and back may be drawn around said fixed bars or rails so as to bring the weather-resisting part of the endless seat and back above the remaining part thereof and thus protect said remaining part from the effects of weather.

The invention also consists in the provision of means for stretching or keeping taut the endless seat and back when the weather-resisting part thereof is above the ordinary canvas or like part.

The invention also comprises means for retaining the endless seat and back in position while the chair is in use.

The accompanying drawings illustrate two applications of the invention.

Figures 1 and 2 are side elevations illustrating the application of the invention to what is generally termed a hammock chair. These views show respectively the positions of the endless seat and back and the parts thereof when the chair is in use and out of use. Figs. 3 and 4 are corresponding views illustrating the application of the invention to a somewhat different construction of chair.

Referring first to Figs. 1 and 2 of the accompanying drawings, the flexible seat and back of a hammock chair is constructed in the form of an endless length which is made of two strips of material, one of which may consist of a strip *a* of ordinary canvas or other material usually employed in the construction of such a chair while the other strip *b* consists of waterproof canvas or other suitable weather-resisting fabric or material. The two strips *a* and *b* are sewn or otherwise secured together so as to form an endless length or band which is passed over the upper and lower rails or bars *c*, *d* of the chair, the arrangement being such that when the chair is not required to be used the endless seat and back may be pulled around so that the strip *b* occupies the upper position, as shown in Fig. 2.

In order to enhance the utility of the above described endless seat and back means are preferably provided for stretching or keeping same taut. Said means may consist, as shown in Figs. 1 and 2, of a bent or cranked strip *e* of metal pivotally mounted in the side members of the frame of the chair and adapted to be rotated into the position shown in Fig. 2 and thereby bring the strip *b* into a position which will facilitate the running off of rain water.

The strip *b* is preferably made slightly wider than the strip *a* in order that it may serve as a better protection to the strip *a*, and suitable means may, if desired, be provided for retaining the endless seat and back in position while in use. For instance, as shown in Figs. 1 and 2, a strip or strap *f* provided with eyelet holes *g* adapted to engage with pins upon the frame of the chair may be secured to the endless seat and back. When the chair is not in use the canopy, when such is used, is turned backward so as to more or less close the open back of the chair, though the same result may be obtained by the use of an additional strip of waterproof canvas or like material.

Referring now to the application of the invention illustrated by Figs. 3 and 4, the endless seat and back is, as in the case of the application of the invention first described, constructed of a strip *a* of ordinary canvas or other suitable material and of a strip *b* of waterproof canvas or other weather-resisting material, and these strips are connected together and loosely mounted on the upper and lower rails *c*, *d* of the chair. The upper part *h* of the frame of the chair is hinged to the side members in such manner that it may be turned backward, as shown in Fig. 4, for the purpose of stretching or keeping taut the endless

seat and back when the latter is in its weather-resisting position, a suitable stop joint *i* being provided to prevent the part *h* from moving too far forward. The upper part of the frame of the chair may be bent or bowed, as shown, to conduce to the comfort of the user.

In either of the above modifications the edges of the strip *b* may be beaded so that there will be no tendency for rain-water to pass over said edges.

The invention is not confined to the details of construction hereinbefore referred to, as they may be modified to suit the particular type of chair or seat to which the invention is applied, and it is to be understood that in either of the modifications above described tubes or rollers may be used in place of the stationary bars or rods *c* and *d* to facilitate the movement of the endless seat and back, and that said bars or rods may be provided with rings or rollers for the same purpose. Further the endless seat and back may be reinforced or strengthened by strips of suitable material, and the endless seat and back may, if desired, be formed from a single piece of ordinary canvas or the like, a strip of waterproof canvas or other weather-resisting material being sewn, riveted or otherwise secured to one half of such continuous piece of ordinary canvas.

Having now described my invention what I have invented and desire to secure by Letters Patent of the United States is as follows:—

A hammock or other chair provided with upper and lower rails and having a combined back and seat consisting of strips of ordinary canvas and water-proof canvas permanently united at their ends into an endless loop which is loosely and revolubly supported on the upper and lower rails of the chair, and means for stretching said endless seat and back when the water-proof part thereof is uppermost consisting of a cranked metal strip pivotally mounted in the side frame members of the chair and adapted to be rotated to engage said combined seat and back, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

AUBERON PENRY REES WILLIS.

Witnesses:

PERCY MORGAN GOODWIN,

R. WESTACOTT.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents. Washington, D. C."