

No. 646,732.

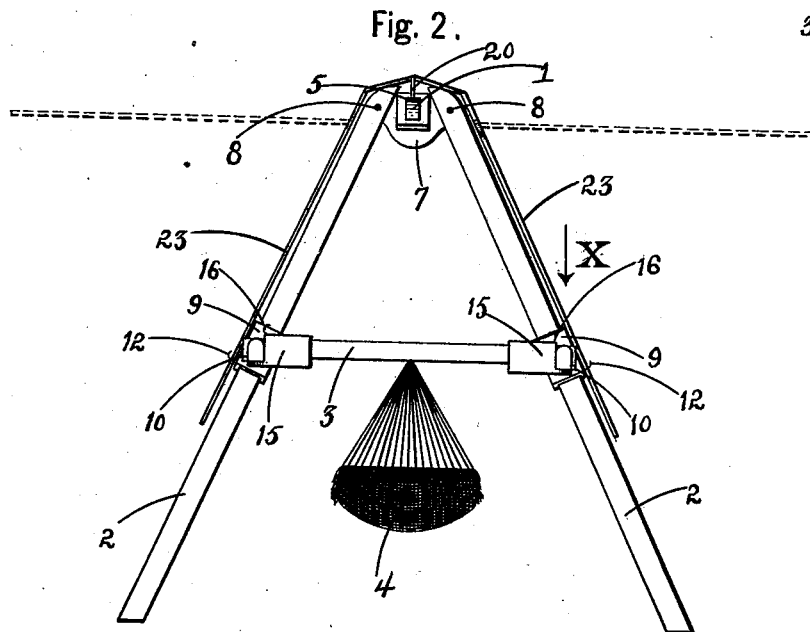
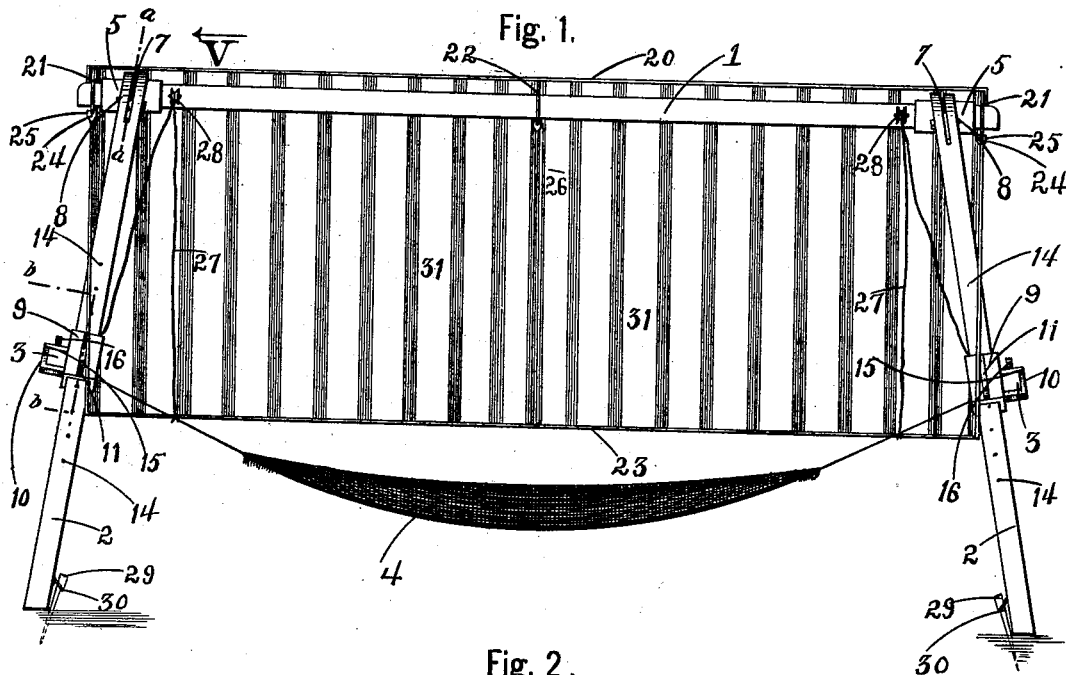
Patented Apr. 3, 1900.

P. GLOR.  
KNOCKDOWN HAMMOCK SUPPORT.

(Application filed July 28, 1899.)

(No Model.)

2 Sheets—Sheet 1.



WITNESSES:

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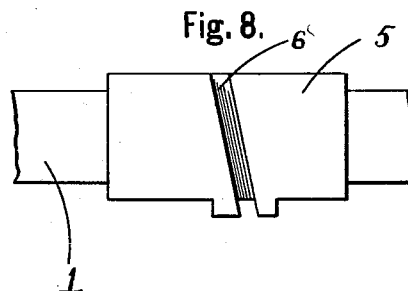
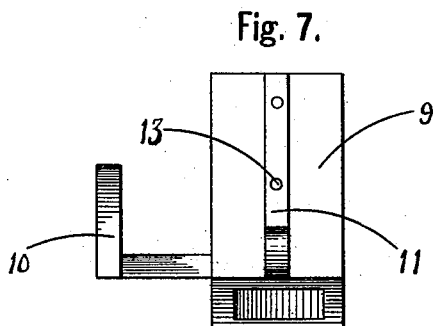
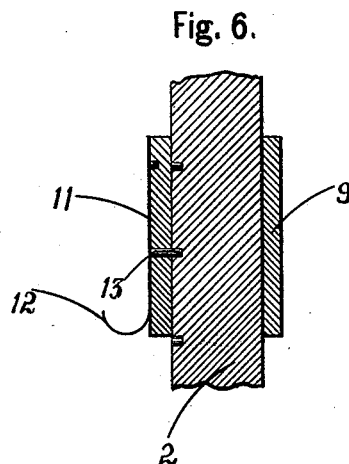
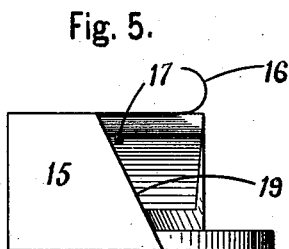
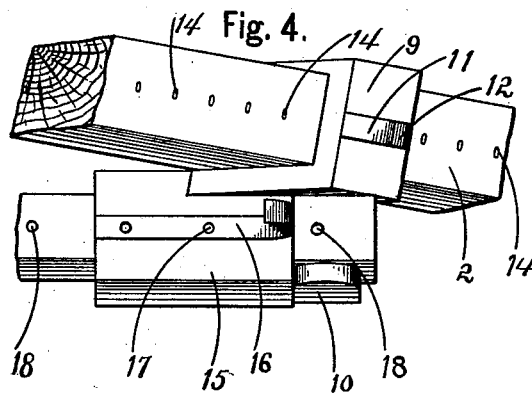
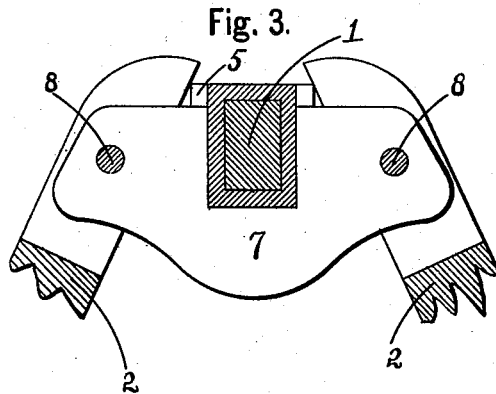
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(Application filed July 28, 1899.)

(No Model.)

2 Sheets—Sheet 2.



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# UNITED STATES PATENT OFFICE

PAUL GLOR, OF ATTICA, NEW YORK.

## KNOCKDOWN HAMMOCK-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 646,732, dated April 3, 1900.

Application filed July 28, 1899. Serial No. 725,383. (No model.)

*To all whom it may concern:*

Be it known that I, PAUL GLOR, a citizen of the United States, and a resident of Attica, in the county of Wyoming and State of New York, have invented certain new and useful Improvements in Knockdown Supports for Hammocks, of which the following is a specification.

My invention relates to an improved knock-down frame for supporting hammocks and the like; and the object of the invention is to provide a simple, cheap, and portable frame adapted to be easily and quickly assembled and placed in position to support a hammock or separated and packed in a comparatively-small space for storing, shipping, or similar purposes.

For a full understanding of the merits and advantages of the invention reference is to be had to the accompanying drawings and the following description.

The invention is susceptible to various changes in the form, proportion, and minor details of construction without departing from the principle or sacrificing any of the advantages thereof, and to a full disclosure of the invention an adaptation thereof is shown in the accompanying drawings, in which—

Figure 1 represents a side elevation of my improved frame in assembled condition, showing a hammock hung in position therefrom. Fig. 2 is an end elevation of the same. Fig. 3 is an enlarged fragmental section through the frame on or about line *a a*, Fig. 1, looking in the direction of the arrow V. Fig. 4 is an enlarged detached plan view of a portion of one of the legs and a portion of one of the cross-bars of the frame looking downward in the direction of the arrow X, Fig. 2, illustrating the means for fastening the cross-bars to the legs and the manner of adjusting said fastening means. Fig. 5 is an enlarged rear elevation of one of the locking or fastening collars adjustably mounted upon the cross-bars. Fig. 6 is an enlarged horizontal section through a portion of one of the legs on or about line *b b*, Fig. 1. Fig. 7 is an enlarged front elevation of one of the locking or fastening collars mounted upon the legs. Fig. 8 is an enlarged view of a portion of the ridge pole or bar of the frame.

In referring to the drawings for the details

of construction like numerals designate like parts.

My improved frame comprises a ridge pole or bar 1, two pairs of legs 2, detachably secured to said ridge pole or bar 1, and cross-bars 3, adapted to maintain the legs in open or spread condition, the hammock 4 being adapted to be supported from and swing between the cross-bars.

The ridge-pole 1 is preferably formed of wood and has an enlargement or collar 5, preferably of metal, at or near each end. These collars 5 are provided with grooves 6, (see Fig. 8,) and the legs 2 of each pair are pivotally attached at their upper ends to a metallic plate 7, which is provided with a depression in which one of the collars seats, (see Fig. 3,) the grooves 6 forming slideways in which the side edges of the depressions in the plate fit and slide, thereby preventing longitudinal movement of the plates upon the ridge-pole.

Each pair of legs is preferably pivoted to their respective plate by slitting the upper ends and inserting and securing the ends of the plate in said slits by means of the bolts 8. (See Figs. 1, 2, and 3.) The slits are sufficiently deep to permit a pivotal movement of the legs of each pair toward or from each other for the purpose of adjustment and also to permit of their folding together for packing.

The collars 5 upon the ridge-pole may be adjustable and removable or permanently fixed thereon, as desired.

Each of the legs is provided with a collar 9, which is adjustable longitudinally thereon, the preferable form being shown in Fig. 7. These collars are provided with square or rectangular-shaped openings similar in form to the leg in cross-section and projecting hook portions 10, in which the cross-bars are supported, and a spring 11 is attached at one end to the exterior of each collar and curled upon itself at the opposite end to form a handle 12 and has an internally-extending locking-pin 13, which extends through an opening in the side of the collar and projects sufficiently beyond to fit into any one of a series of openings or depressions 14, arranged longitudinally at intervals upon the side of the leg.

(See Fig. 4.) The cross-bars are also provided at each end with collars 15, which are formed somewhat differently from the collars upon the legs. These collars 15 are longitudinally adjustable upon the cross-bars and are provided with springs 16, having locking-pins 17, which fit into any one of a series of openings or depressions 18 upon the cross-bars to fasten the collars in their adjusted position. The collars 15 are cut away on one side to leave a diagonal edge 19, (see Fig. 5,) against which the innerside of the collar upon the adjacent leg contacts when the frame is properly assembled, thus wedging the cross-bars firmly in position between the legs and against vertical displacement.

A shade or protecting device is placed over the frame and is preferably supported in position by a supplementary metallic frame, having its ridge-bar 20 vertically over the ridge-pole 1 of the main frame and extending substantially longitudinally and parallel with said ridge-pole, the ends of the bar 20 being bent at right angles and driven into the ridge-pole 1 to maintain it in place. End and center cross-bars 21 and 22 are rigidly attached to the ridge-bar by any well-known means and extend on each side. Side bars 23 have their end portions bent at right angles and are pivotally secured to the ends of the end cross-bars 21. The extremes 24 of the ends of the bars are preferably forked, and the ends of the cross-bars are inserted between said forks and pivoted in place by the bolts 25. Central braces or bars 26 extend between the side bars and the ends of the center cross-bar 22, being pivoted to the center cross-bar. A covering of canvas or similar material 31 is attached to this supplementary metallic frame, the covering being shown upon one side only in Fig. 1 to expose said frame and its construction. Each side of this supplementary frame is independently adjustable in a vertical direction, ropes 27 being fastened at one end to each side of the frame, preferably to the side bars, and passed over pulleys 28, with the opposite ends within convenient reach of the occupant of the hammock. Two positions of this adjustment are shown in Fig. 2, one in dotted and one full lines.

As the frame is made as light as possible consistent with the required strength, it is provided with pins or stakes 29, which are adapted to be inserted in the rings 30, attached to the legs and driven into the ground to prevent a sudden gust or gale of wind from displacing or blowing the frame over. (See Fig. 1.)

I claim as my invention—

1. A knockdown supporting-frame, comprising a ridge-pole, plates having depressions in which the ridge-pole seats, legs pivotally attached at their upper ends to said plates, cross-bars, supports attached to the legs and

longitudinally adjustable thereon, and attachments secured to the cross-bars and longitudinally adjustable thereon and supported by the leg-supports.

2. A knockdown frame for supporting a hammock or similar article comprising a ridge-pole, legs attached to said ridge-pole, supports attached to the legs and vertically adjustable thereon and having hook portions, cross-bars between which the hammock is adapted to be swung, supports in said hook portions and collars adjustably mounted upon the cross-bars and adapted to lock said cross-bars against vertical displacement.

3. A knockdown frame for supporting a hammock or similar article comprising a ridge-pole, plates having depressions into which the ridge-pole seats, legs arranged in pairs and pivoted at their upper ends to said plates, spring-locked collars adjustably mounted upon the legs, and cross-bars detachably secured to said collars between which the hammock is adapted to be swung.

4. A knockdown frame for supporting a hammock or similar article, comprising a ridge-pole having grooves at or near its ends, plates having depressions into which the ridge-pole seats, legs arranged in pairs and each pair pivotally connected at their upper ends to one of said plates, the grooves forming slideways into which the side edges of the depressions in the plates fit, and supports extending between the legs from which the hammock is adapted to be swung, as set forth.

5. A knockdown frame for supporting a hammock or similar article comprising a ridge-pole, two pairs of legs detachably secured to said ridge-pole, cross-bars, collars mounted upon said cross-bars and longitudinally adjustable thereon, collars adjustably mounted upon the legs and having extensions upon which the cross-bars are supported, and means for locking each of said collars in its adjusted position; the collars upon the cross-bars being formed so as to wedge in place and against vertical displacement and also prevent the closing of the legs, as set forth.

6. A knockdown frame for supporting a hammock or similar article comprising a ridge-pole, two pairs of legs detachably secured to said ridge-pole, and each having a series of depressions, cross-bars each having a series of depressions, collars mounted upon said cross-bars and longitudinally adjustable thereon, collars adjustably mounted upon the legs and having extensions upon which the cross-bars are supported, and a spring device attached to each of said collars and having a pin adapted to seat in one of said depressions for locking said collar in its adjusted position.

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Witnesses:

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