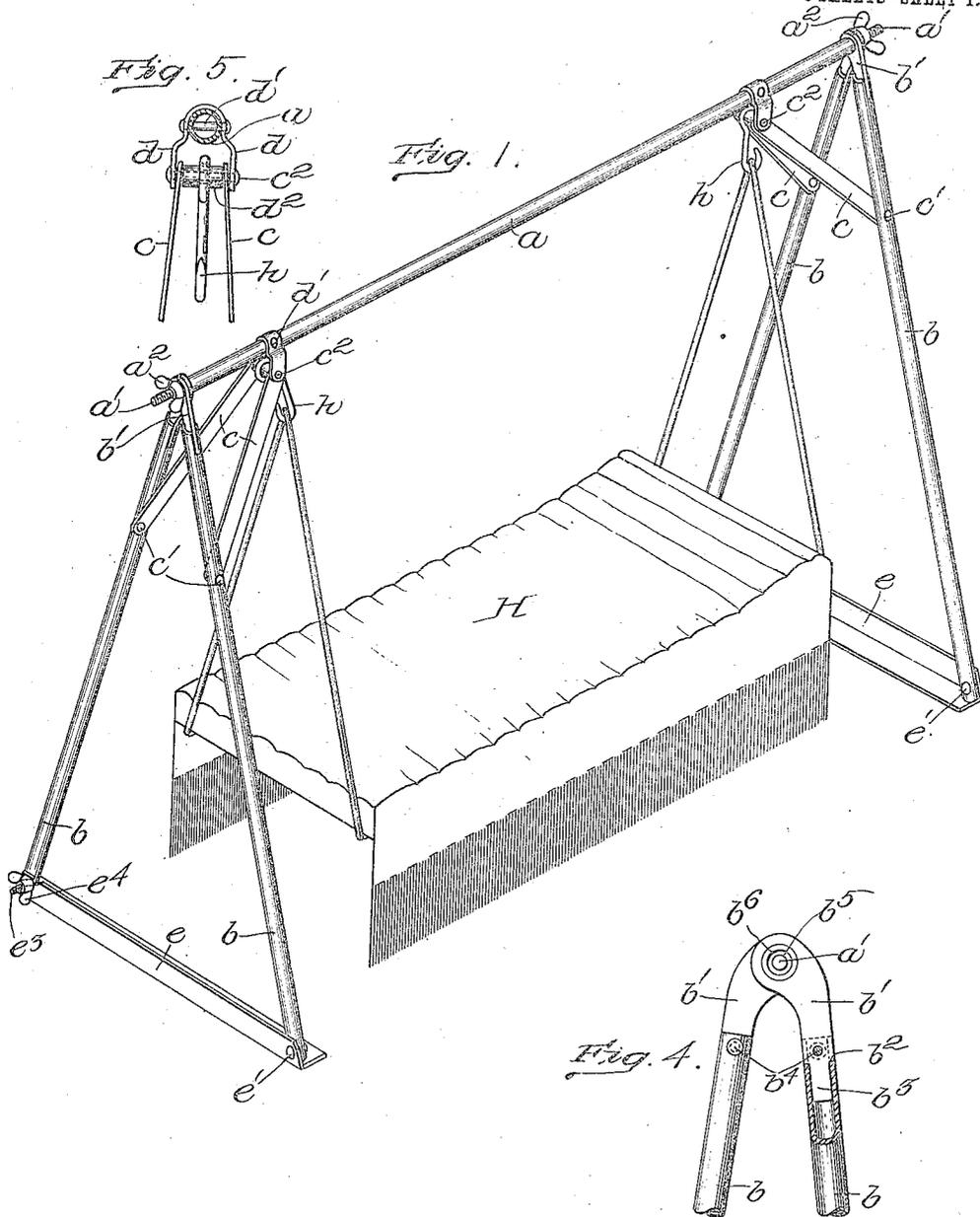


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L. I. BERKOWITZ.
HAMMOCK SUPPORT.
APPLICATION FILED JAN. 10, 1910.

Patented June 14, 1910.

3 SHEETS-SHEET 1.



witnesses:
Joseph H. Ryan
Charles S. Woodbury

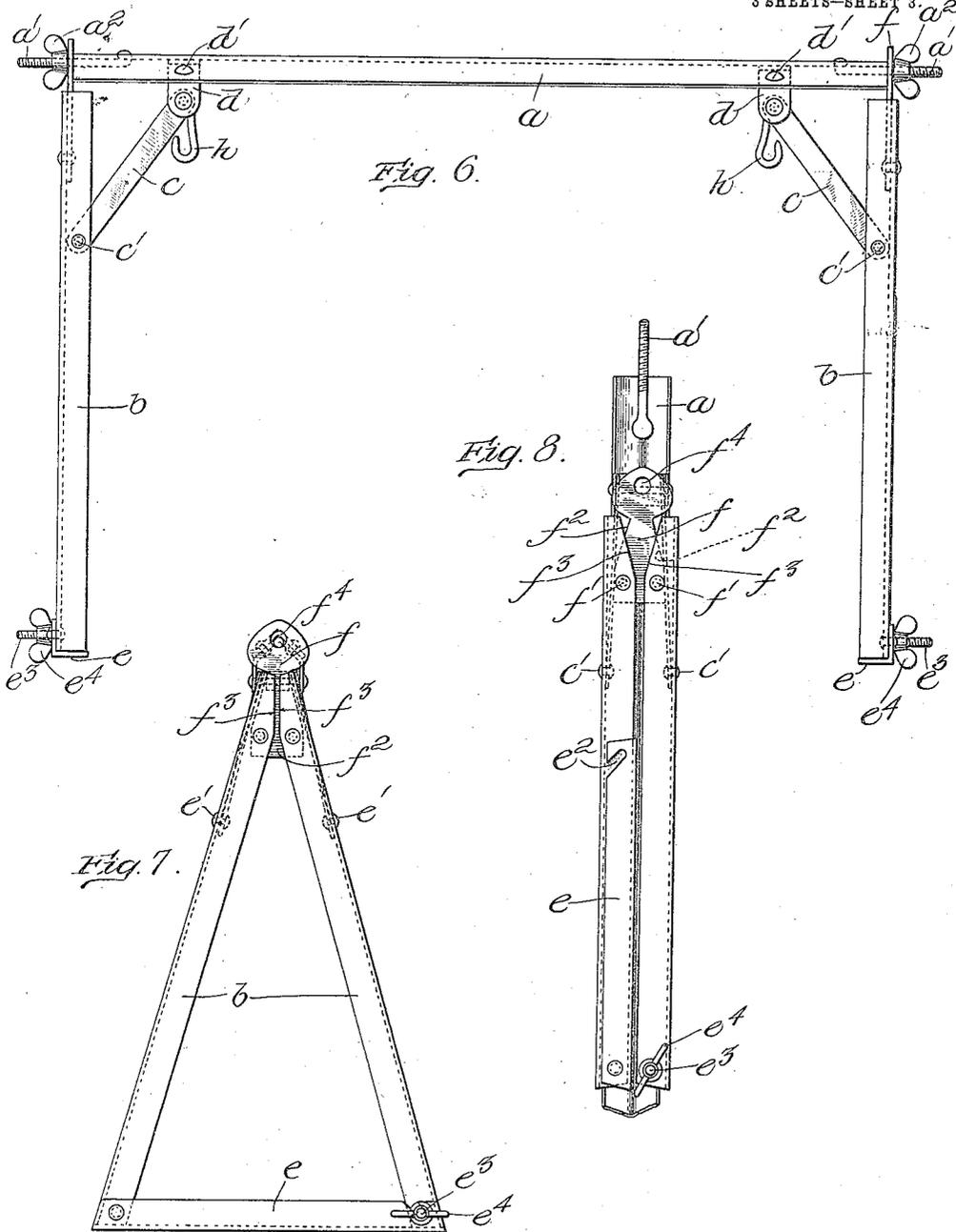
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Josephine H. Ryan
Charles S. Woodbury

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UNITED STATES PATENT OFFICE.

LOUIS I. BERKOWITZ, OF BOSTON, MASSACHUSETTS.

HAMMOCK-SUPPORT.

961,400.

Specification of Letters Patent. Patented June 14, 1910.

Application filed January 10, 1910. Serial No. 537,129.

To all whom it may concern:

Be it known that I, LOUIS I. BERKOWITZ, a citizen of the United States, and resident of Boston, in the county of Suffolk and State of Massachusetts, have invented new and useful Improvements in Hammock-Supports, of which the following is a specification.

This invention relates to a hammock support, and its object is to provide an improved collapsible or folding hammock support of few parts and simple construction, which when extended or set up will constitute a strong and rigid support, and which may be quickly and easily folded one part upon another in substantially parallel relation in compact form for storage or transportation.

In the accompanying drawings which illustrate certain embodiments of the invention,—Figure 1 is a perspective view of the preferred form of the invention set up; Fig. 2 is a side view of said hammock support shown in Fig. 1, illustrating the manner in which it is folded; Fig. 3 is an elevation of one of the pairs of legs and leg brace of the hammock support shown in Figs. 1 and 2, in folded relation; Fig. 4 is a detail view in elevation showing the construction of the top of a pair of legs; Fig. 5 is a cross sectional view through the top frame member showing in detail the construction of the bracket hereinafter described; Fig. 6 is a side view of a modified form of hammock support set up; Fig. 7 is an end view of the hammock support shown in Fig. 6; and Fig. 8 is a bottom view of one end of the hammock support shown in Figs. 6 and 7 when folded.

Referring to the form of hammock support shown in Figs. 1 to 5 inclusive, *a* represents the top frame member, herein shown as a tubular bar or section of piping, and *b, b* a pair of diverging legs at each end of the top frame member which, as herein shown, also consist of tubular bars or piping. Secured within each end of the top frame member and projecting therefrom is a screw *a'*. Each leg *b* is provided at its top with a plate *b'* rigidly secured thereto. The form of securement herein shown consists in making the ends of the legs *b* with a slot *b²* into which the plate *b'* is set, and

providing the plate *b* with a tongue *b³* extending into the bore of the piping beyond the slot *b²*. A rivet *b⁴* passing through the sides of the piping *b* and the plate *b'* holds the plate in place. Each plate *b'* is made with an aperture or eye *b⁵* which is adapted to pass over the screw *a'* at the end of the top frame. A tubular eyelet *b⁶* passing through the apertures *b⁵* of each pair of legs pivotally holds the legs together, and leaves an aperture or eye for the entrance of the screw *a'* somewhat larger than the diameter of the screw as best shown in Fig. 4, so that it can be slipped freely on and off the screw. A thumb nut *a²* is provided for each screw *a'* to clamp the plates *b'* at the tops of the legs to the top frame *a* as shown in Fig. 1. Each leg *b* is also connected with the top frame member *a* by a diagonal brace *c* pivoted at one end to the leg as shown at *c'*, and to the top frame at *c²*. The detailed construction of the pivotal connection between the braces *c* and the top frame *a* is best illustrated in Fig. 5. A bracket *d* secured to the top frame *a* by a rivet *d'* is made with two downwardly projecting ears connected by a bolt *c²*. The braces *c* are provided with holes through which the bolt *c²* passes, said holes being sufficiently large to permit the braces not only to swing on the bolt in a plane perpendicular to its axis, but also to move laterally with relation thereto. Between the braces *c* is a hollow cylindrical or tubular sleeve *d²* which serves both as a spacer between the ends of the braces *c* and also as a pivotal support for the hook *h* from which the hammock *H* is suspended. A brace *e* is provided between the legs of each pair and is pivotally connected at one end to one leg as shown at *e'*, and detachably secured to the other leg at its opposite end by means of a diagonal slot *e²*, in which a stud *e³* on the leg *b* is seated when the device is set up. A thumb screw *e⁴* on the stud *e³* clamps the slotted end of brace *e* to the leg *b*. When the hammock support is to be collapsed or folded the screw *e⁴* of each pair of legs is removed and the braces *e* folded upon leg *b* as shown in Fig. 3, and the two legs of each pair folded together as also shown in Fig. 3. As already described, the braces *e* are allowed some lateral play, and will swing toward each

other on the bolt c^2 when the legs are closed together. The nuts a^2 are then removed and the eyes at the tops of the legs are slipped off from screws a' and folded inward upon the top frame member a . Fig. 2 shows one pair of legs completely folded, and the other pair in the process of being folded. Thus, all the parts of the structure, namely, the top frame, legs and braces may be folded one upon another in approximately parallel relation and in compact form for storage or transportation.

In the form shown in Figs. 6, 7 and 8 the top frame member and the legs, instead of being made of piping, are made of angle metal. When this form is used the brackets d are preferably secured on the under side within the channel of the angle metal by bolts d' , instead of extending over the top of the bar as shown in Fig. 1. The pivotal connection between the upper ends of the legs of each pair, in this form of hammock support, and the connection between the tops of each pair of legs and the end of the top frame member, instead of consisting of two plates, one secured to each leg, consists of the single plate f . The legs are pivoted to the lower part of the plate f by rivets or bolts f' and the extent of the spread of said legs is limited by the inclined edges f^2 of the plate, which engage the side webs of the channel iron legs, the edges f^3 of the end webs of the legs being beveled or inclined to permit the legs to be spread. In the upper part of plate f is an aperture or eye f^4 adapted to slip on and off the screw a' at the end of the top frame member. In other respects the construction of this form of hammock support is the same as that illustrated in Figs. 1 to 5 inclusive, and the method of folding and extending the device is the same.

I claim:

1. A hammock support, comprising a top frame member having a screw projecting from each end, a pair of legs at each end adapted to be folded together, a plate secured to the upper end of each leg provided with an aperture adapted to slip over said screws, nuts to hold said plates in place in said screws, and braces between said top frame member and said legs, pivotally connected thereto, whereby the ends of the legs may be disconnected from the top frame member and all the parts of the structure folded one upon another.

2. A hammock support, comprising a top frame member having a screw projecting from each end, a pair of legs at each end adapted to be folded together, a plate secured to the upper end of each leg provided with an aperture, a tubular pivot member or eyelet pivotally connecting the apertures of the two plates of each pair and adapted to

slip over said screws, nuts to hold said eyelets and plates in place on said screws, and braces between said top frame member and said legs, pivotally connected thereto, whereby the ends of the legs may be disconnected from the top frame member and all the parts of the structure folded one upon another.

3. In a hammock support, comprising a top frame member, legs and braces therebetween pivotally connected and adapted to fold one upon another, a bracket for the pivotal connection between the braces and the top frame member secured to the top frame member and having a pair of downwardly projecting ears, a pin connecting said ears, on which pin the braces are pivoted, and hammock suspending means supported by said pin.

4. In a hammock support, comprising a top frame member, legs and braces therebetween pivotally connected and adapted to fold one upon another, a bracket for the pivotal connection between the braces and the top frame member secured to the top frame member and having a pair of downwardly projecting ears, a pin connecting said ears, on which pin the braces are pivoted, a hook supported by said pin between said ears, and hammock suspending means supported by said pin.

5. In a hammock support, comprising a top frame member, legs and braces therebetween pivotally connected and adapted to fold one upon another, a bracket for the pivotal connection between the braces and the top frame member secured to the top frame member and having a pair of downwardly projecting ears, a pin connecting said ears, on which pin the braces are pivoted, a sleeve upon said pin serving as a spacer between said braces and on a pivotal support for the hammock suspending means.

6. A hammock support, comprising a top frame member having a projection at each end, a pair of legs at each end adapted to be folded together, the upper ends of said legs being separably connected with the ends of said top frame member by means of eyes provided at the tops of the legs adapted to slip over and engage said projections, means separably to secure said eyes upon said projections, and braces pivotally connecting said top frame member and said legs.

7. A hammock support, comprising a top frame member having a screw projecting from each end, a pair of legs at each end adapted to be folded together, the upper ends of said legs being separably connected with the ends of said top frame member by means of eyes provided at the tops of the legs adapted to slip over and engage said

screws, nuts to secure said eyes upon said screws, and braces pivotally connecting said top frame member and said legs.

5 8. In a hammock support, a top frame member, legs, braces between the legs and the top frame member, and separable connection between the legs and the top frame member comprising a screw projecting from the end of the top frame member, a plate

provided with an aperture adapted to slip 10 over and engage said screw, and a nut to hold said plate in place on said screw.

Signed by me at Boston, Massachusetts
this fourth day of January 1910.

LOUIS I. BERKOWITZ.

Witnesses:

ROBERT CUSHMAN,
CHARLES D. WOODBERRY.