A. MELNIKER.

HAMMOCK.

APPLICATION FILED OCT. 12, 1920.

1,389,682.

Patented Sept. 6, 1921.

2 SHEETS—SHEET 1.

Fig. 1.

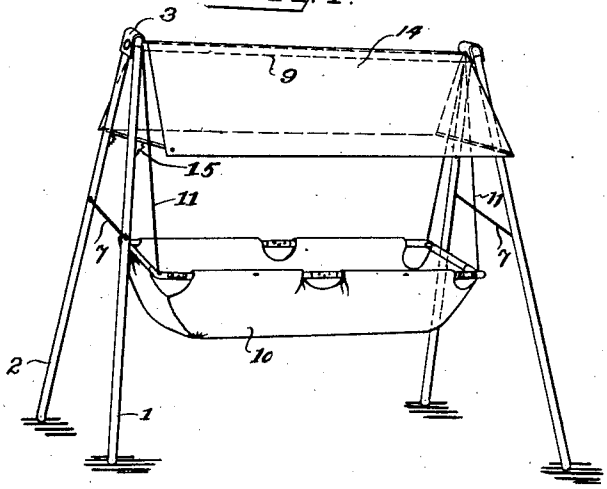


Fig. 13.a

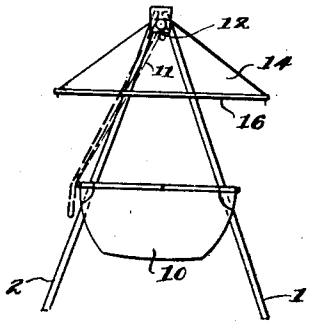


Fig. 9.

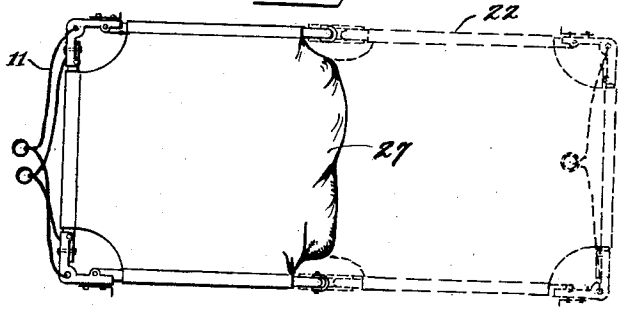


Fig. 11.

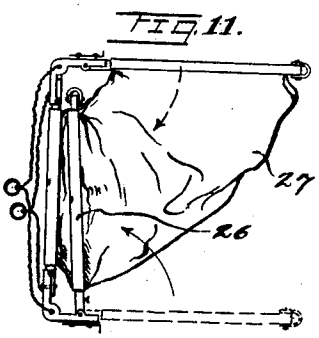


Fig. 10.

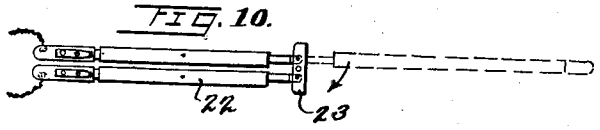


Fig. 12.



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2 SHEETS—SHEET 2.

Fig. 2.

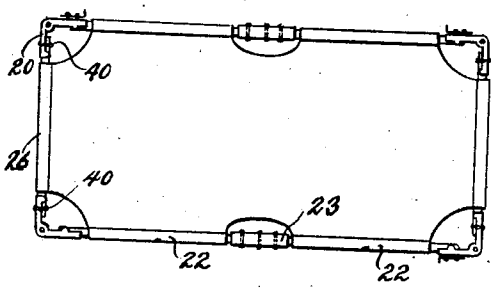


Fig. 6

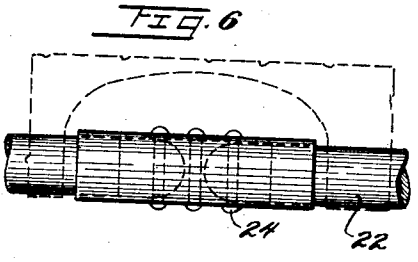


Fig. 7.

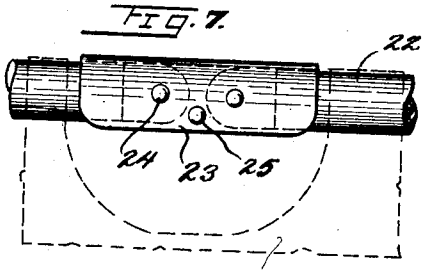


Fig. 3.

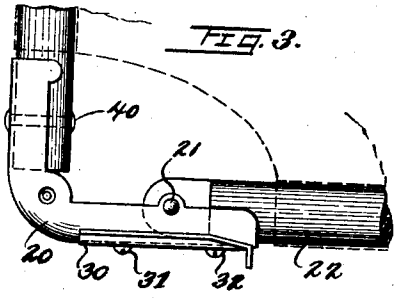


Fig. 8.

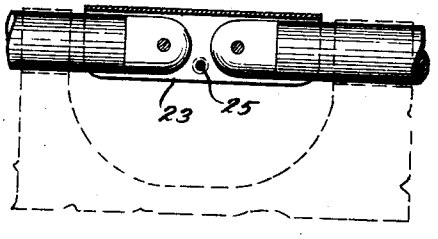


Fig. 4.

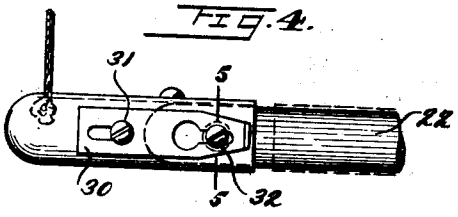


Fig. 5.

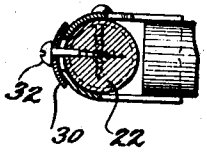
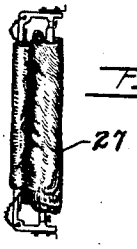


Fig. 15.



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UNITED STATES PATENT OFFICE.

ABRAHAM MELNIKER, OF BROOKLYN, NEW YORK.

HAMMOCK.

1,389,682. Specification of Letters Patent. Patented Sept. 6, 1921.

Application filed October 12, 1920. Serial No. 416,438.

To all whom it may concern:

Be it known that I, ABRAHAM MELNIKER, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in a Hammock, of which the following is a specification.

My invention relates to a new and improved type of portable hammock, crib or the like.

One of the objects of my invention is to provide a crib, hammock or the like which can be readily folded into a small space with a series of rigid members closely adjacent to each other, so that the article can be readily shipped and will not be injured by rough handling.

Another object of my invention is a structure made of wooden or metal parts which can be readily and quickly manufactured and assembled.

Other objects of my invention will be set forth in the following description and drawings which illustrate a preferred embodiment thereof.

Figure 1 shows my device in connection with a stand or support therefor.

Fig. 2 is a top view of my device.

Fig. 3 is a top detail view showing a corner member.

Fig. 4 is a side detail view of a corner member.

Fig. 5 is a section along the line 5—5 of Fig. 4.

Fig. 6 is a top detail view of an intermediate connecting member.

Fig. 7 is a side detail view of an intermediate connecting member.

Fig. 8 is a sectional detail view of an intermediate connecting member.

Fig. 9 shows the first step in the collapsing or folding together of my device, this being a top view.

Fig. 10 is a side view of Fig. 9.

Fig. 11 is a top view illustrating the second step in collapsing my device.

Fig. 12 is a top view illustrating the third step.

Fig. 13 illustrates the last view in collapsing or folding together my improved device.

Fig. 13A shows an end view of Fig. 1.

The support or frame for my hammock is described in copending application Serial No. 416,437 filed Oct. 12, 1920. It consists of frame members 1 and 2 which are pivotally connected to a top member 3 and adapted to be held in fixed position by means of a rigid brace 7.

A cross bar 9 is suitably clamped or held between the sets of frame members 1 and 2 and the hammock or crib 10 is supported by means of cords 11 which are suitably secured to hooks 12 of the cross bar 9.

The occupant of the hammock or crib is protected by means of an awning 14 consisting of canvas or other suitable fabric and having rigid bars 16 which are connected to the frame members 1 and 2 by means of fasteners 15.

The crib consists of four corner members 20 and two intermediate members 23 to which the end bars 26 and the longitudinal bars 22 are suitably connected.

As seen more particularly in Figs. 2 and 3, the corner members 20 are stamped out of metal so as to have an arcuate cross section and the end bars 26 are connected thereto by means of suitable bolts 40 so as to present a light but strong and rigid structure.

The longitudinal bars 22 which are preferably made of wood are provided with metal heads which are pivotally connected to the corner members 20 by the pivots 21.

The longitudinal members 22 are also pivotally connected to the intermediate members 23 at the points 24.

Each intermediate frame member 23 is also preferably arcuate or U-shaped in cross section, like each corner member 20 so that it may be called a U-shaped member, and its opposite sides are preferably connected by a cross bar 25 so as to strengthen it.

The material 27 of the hammock is connected to the side bars 26 and the longitudinal bars 22 by sewing or other suitable means as indicated in Fig. 2.

As shown more particularly in Fig. 10, when the hammock is opened, and the two longitudinal bars 22 at the front or rear of the crib or hammock are in line with each other, further movement is prevented because the intermediate frame member 23 is also in line with them and prevents any further movement. To lock the longitudinal bars 22 to the corner frame members 20, locking members 30 may be secured to the corner frame members 20 and to the bars 22 by means of screws 31 and 32.

The operation of my device is as follows:

To collapse the hammock shown in Fig. 2, after removing the locking members 20,

the longitudinal members 22 are revolved at their pivots 24 until they are closely adjacent as shown more particularly in Figs. 9 and 10, the intermediate frame members 23 being now at right angles to them.

One set of the longitudinal bars 22 is now revolved about the pivots 21 and then the other set is revolved in the opposite direction as shown in Figs. 11 and 12, it being noted that the end bars 26 are slightly longer than the longitudinal bars 22.

I have shown one embodiment of my device, but I do not wish to be limited to the details thereof as numerous changes and omissions could be made without departing from its spirit.

I claim:—

1. A collapsible hammock, crib or the like including the combination of rigid corner members having end bars rigidly connected therewith, and longitudinal bars pivotally secured thereto, so that the said longitudinal bars can be revolved toward and away from the said end bars, the said longitudinal bars being connected by intermediate frames to which they are pivotally connected so that one set of longitudinal bars can be revolved until they overlie the other set of longitudinal bars and locking means adjacent and adapted to be secured to the said corner frames and to the adjacent ends of the said longitudinal bars, the said longitudinal bars being so mounted in the said intermediate frames that they can be revolved in only one direction, so as to be one above the other, the said hammock, crib or the like being free from any locking cross-members which extend beneath the fabric thereof.

2. A collapsible crib, hammock or the like comprising corner frames having a U-shaped cross section, end bars made of wood and having a cross section corresponding to that of the said corner frames and immovably secured to the said corner frames, longitudinal bars made of wood and having metallic heads having the same contour as the said corner frames, and being pivotally secured thereto so that the said longitudinal bars can be revolved toward or away from the said side bars, and intermediate frame members made of metal and having a U-shaped cross section, the said longitudinal bars also having metallic heads of the same contour as the said intermediate frame members, and being pivotally secured thereto, so that the said longitudinal bars can be revolved until one set of them are above the other set whereby the said hammock can first be longitudinally collapsed, by moving the adjacent longitudinal bars until one is above the other, and can then be further collapsed, by revolving the said longitudinal bars until they are adjacent the said side bars, the said longitudinal bars being shorter than the distance between the said corner frames.

In testimony whereof I hereunto affix my signature.

ABRAHAM MELNIKER.