A. T. HALLOCK.

SWINGING BED OR HAMMOCK.

APPLICATION FILED AUG. 14, 1909.

979,157. Patented Dec. 20, 1910.

2 SHEETS—SHEET 1.

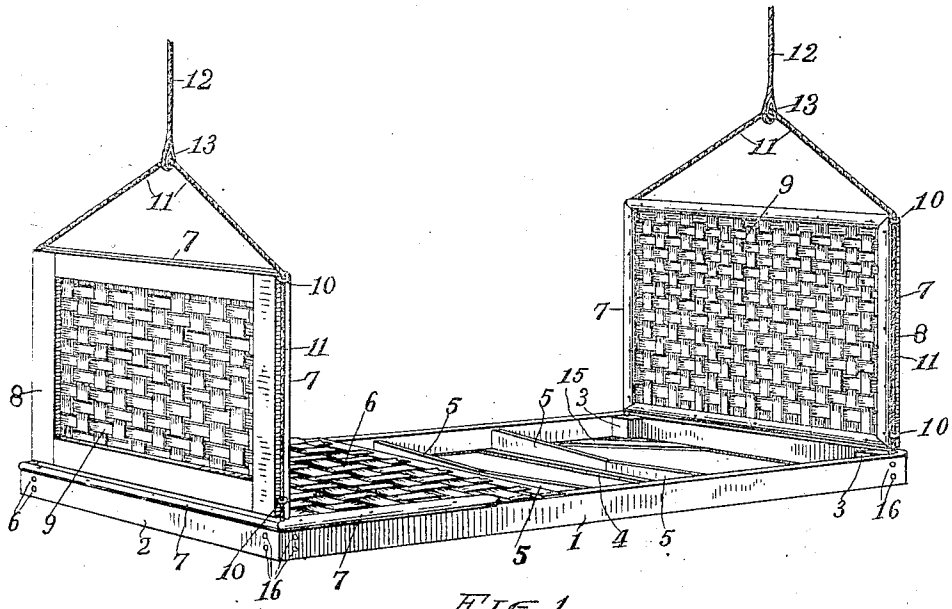

FIG. 1.

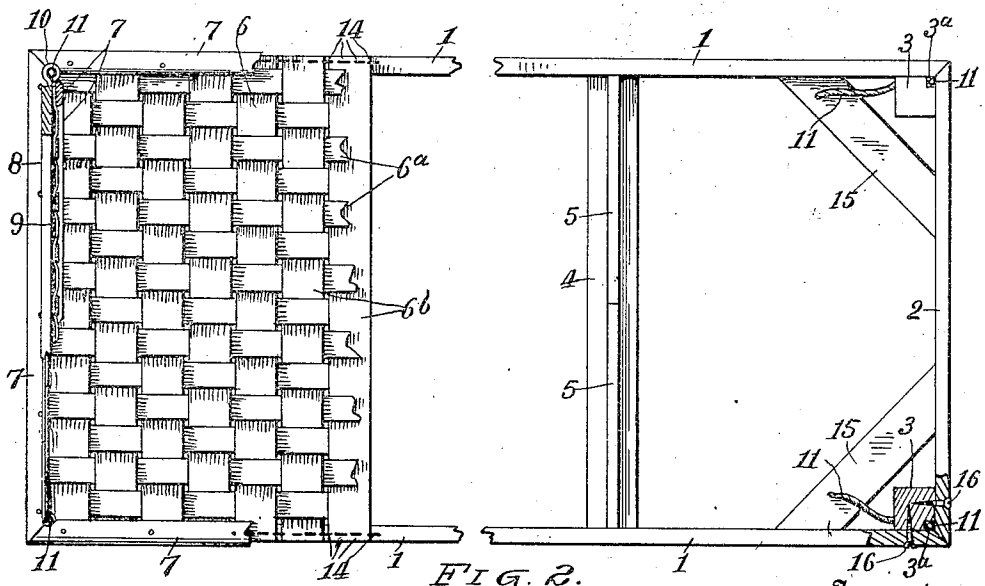

FIG. 2.

Witnesses

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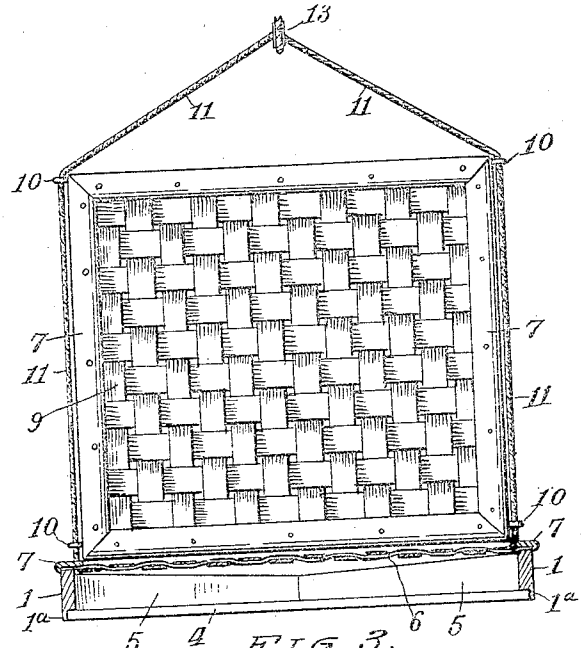

FIG. 3.

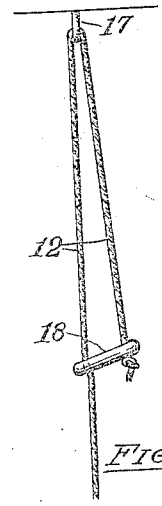

FIG. 8.

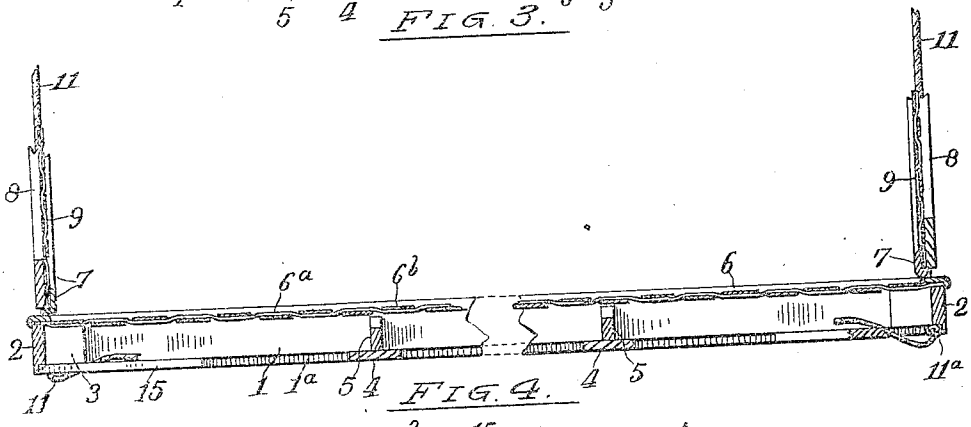

FIG. 4.

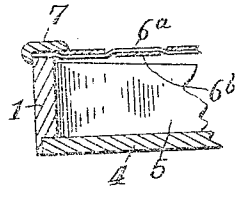

FIG. 5.

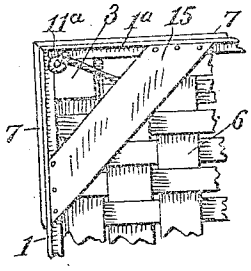

FIG. 6.

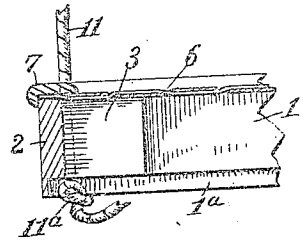

FIG. 7.

Witnesses

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UNITED STATES PATENT OFFICE.

ARTHUR T. HALLOCK, OF GRAND RAPIDS, MICHIGAN, ASSIGNOR, BY MESNE ASSIGNMENTS, TO ANNE LAY HALLOCK, OF MUSKEGON, MICHIGAN.

SWINGING BED OR HAMMOCK.

979,157. Specification of Letters Patent. Patented Dec. 20, 1910.

Application filed August 14, 1909. Serial No. 512,833.

To all whom it may concern:

Be it known that I, ARTHUR T. HALLOCK, a citizen of the United States of America, residing at Grand Rapids, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in Swinging Beds or Hammocks; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in swinging beds or hammocks, and its object is to provide the same with various new and useful features hereinafter more fully described and particularly pointed out in the claims, reference being had to the accompanying drawings, in which:

Figure 1 is a perspective of a device embodying my invention; Fig. 2 a plan view with parts broken away to show the construction; Fig. 3 a transverse section showing one end in elevation; Fig. 4 a longitudinal vertical section with parts broken away; Fig. 5 an enlarged detail in transverse vertical section; Fig. 6 an enlarged detail in inverted plan view; Fig. 7 a detail in longitudinal vertical section; and Fig. 8 is a detail of the upper part of one of the suspension ropes.

Like numbers refer to like parts in all of the figures.

1 represents the side rails, and 2 the end rails of the bottom frame. 3 are corner blocks rabbeted at one angle, as at 3^a, to permit the passage of the suspension ropes. These sides and ends are mitered dovetailed, or otherwise fastened at the corners, and the corner blocks securely fastened therein, preferably by both gluing and screws or nails 16. The sides and ends are also rabbeted at the inner lower corners as at 1^a. 4 represents slats secured at their ends in said rabbets, and mounted upon these slats, are braces 5 extending longitudinally thereof and having their outer ends engaging the vertical sides 1 and vertically reduced or narrower in the middle to avoid contact with the bottom 6, preferably being made of two oppositely tapered pieces with their narrow ends abutting at the middle of the slat. Corner braces 15 are also provided extending at an angle of 45 degrees across the respective corners and secured in the rabbets. This construction makes a very strong and light frame, upon the top edge of which is secured longitudinal and transverse strips woven in basketwork form. The longitudinal strips 6^a are preferably narrower and thinner than the transverse strips 6^b, and all of these strips are secured to the upper edges of the side and end rails by means of metallic fastenings extending transversely of the strips and embedded therein, preferably consisting of rectangular staples 14 driven therethrough and into the rails, the staples being driven well down into the material of the strips, whereby the same are secured in place and effectually held against longitudinal strain. Covering the ends of these strips are moldings 7, preferably rabbeted at the under side and mitered at the corners. At each end are light frames 8, each having the opening therein filled with light basketwork or other fabric 9 also secured in like manner to the frame, and having its edges covered with like moldings 7. Each of these frames 8 is supported between the downwardly extended ends of a suspension rope 11, which extends along the vertical edges of the frame and through suitable eyes 10 inserted therein. The ends of this suspension rope extends through the openings formed in the corners of the blocks 3 and are knotted underneath the same, as at 19, to prevent withdrawal. The end frames are thus hinged to the bottom frame in a very simple and convenient way. At the middle these suspension ropes each extends upward in a loop above the frames 8 and are supported in an eye 13 in the end of an upwardly extended rope 12, which latter engages any convenient support 17, and is adjustable for length by means of an adjusting block 18 having holes in its respective ends to receive the rope 12.

By adjusting the supports 17 at various distances, the inclination of the end frames 8 may be determined, and the whole structure is suspended in a manner to swing freely in all directions. It thus affords a rigid frame having a yielding bottom, and end frames having yielding central portions, the whole being a strong and satisfactory suspended bed or hammock; and when out of use, the ropes 12 being detached from the supports 17, the end frames will fold down upon the bottom frame and the entire struc-

ture be compact and easily stowed away for storage or transportation, as occasion may require.

It will be noted that the suspension ropes 11 not only serve as supports for the end frames, but also serve to adjustably hinge the same to the bottom of the device.

Either end of the hammock may be raised or lowered, thus enabling any one to adjust the angle of the bottom and ends to a variety of positions, as found desirable or convenient for either reclining, sitting or otherwise.

I do not herein claim the bottom construction shown but reserve the same for a separate application in accordance with the requirement by the office of division of this application.

What I claim is:—

1. A hammock, comprising a rigid bottom frame, two rigid end frames, suspension ropes attached to the respective corners of the bottom frame and extending upward along the opposite edges of the end frames and on the outside of the same, and eyes in the end frames through which the ropes extend to adjustably support the end frames between the ropes.

2. In a hammock, a bottom frame comprising side rails and end rails connected at the corners, corner blocks within the same and rabbeted to receive suspension ropes, suspension ropes in the rabbets and corner blocks and extending upward therefrom, and end frames adjustably supported by the suspension ropes.

3. In a hammock, a bottom frame comprising side rails and end rails secured to each other at the corners, slats connecting the side rails, and vertically disposed braces mounted on the slats and engaging the side rails, said braces being reduced in width at the middle, and a fabric secured to the top of the frame above the braces and spaced apart therefrom.

4. In a hammock, a bottom frame consisting of side rails and end rails, corner blocks rabbeted in one corner and secured to said rails, slats connecting the side rails, braces mounted on the slats and supporting the side rails, suspension ropes inserted in the rabbets of the blocks and extending upward therefrom at the respective corners of the frame, and end frames supported by the suspension ropes.

5. In a hammock, a bottom frame comprising end rails and side rails attached at the corners and rabbeted at the inner lower edge, corner blocks connecting said rails and rabbeted to receive suspension ropes, slats secured at their ends in the rabbets in the side rails and connecting the same, braces mounted on the slats and engaging the inner surface of the side rails, said braces being reduced in width at the middle, diagonal corner braces also secured within the rabbets, and suspension ropes in the corner blocks.

In testimony whereof I affix my signature in presence of two witnesses.

ARTHUR T. HALLOCK

Witnesses:

LUTHER V. MOULTON,

GEORGE HOLLWAY.