

I. E. PALMER.

HAMMOCK BODY.

APPLICATION FILED NOV. 25, 1907.

903,494.

Patented Nov. 10, 1908.

Fig. 1.

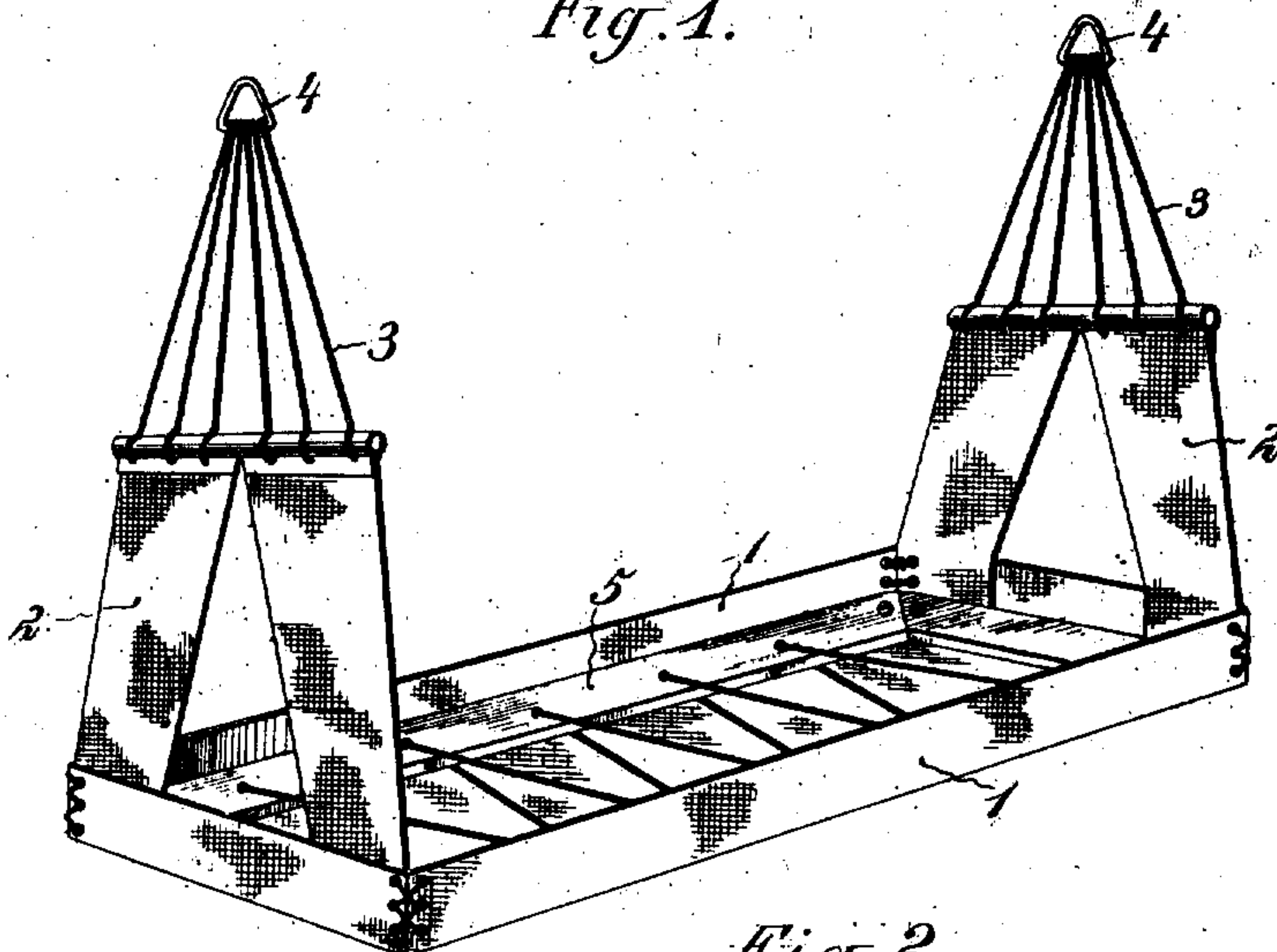


Fig. 2.

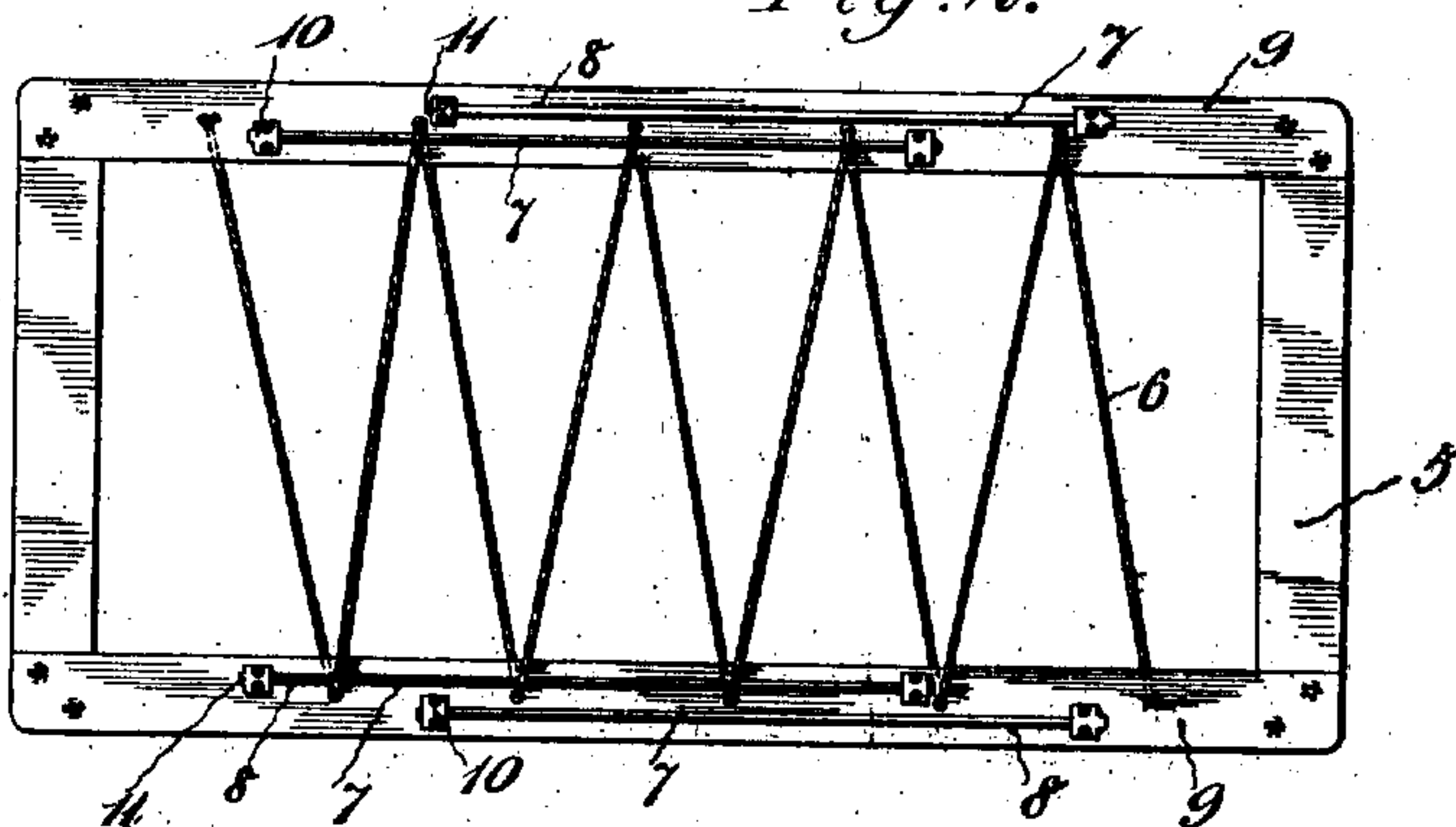


Fig. 3.

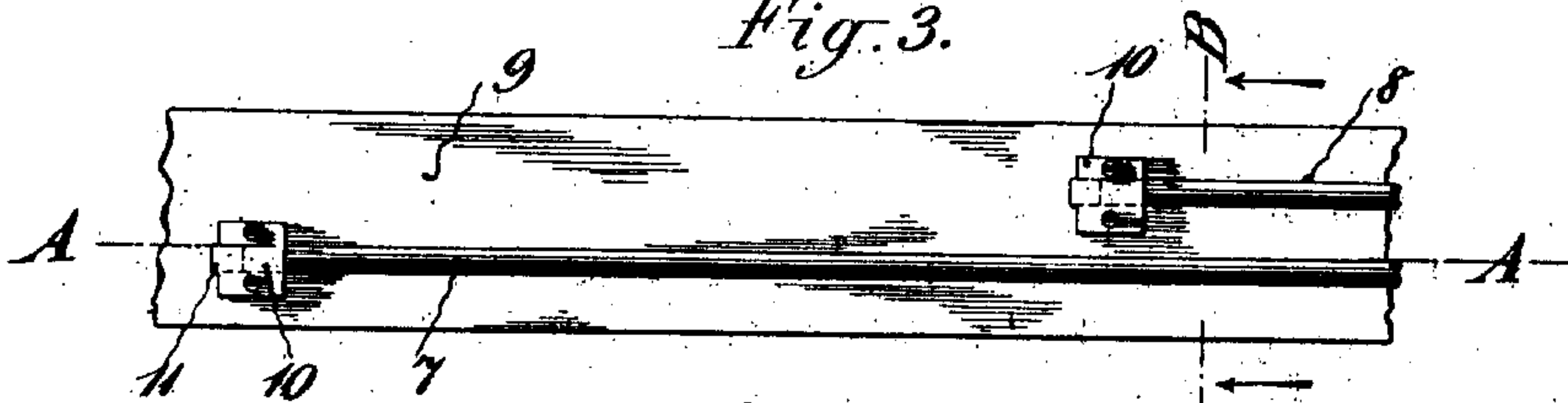


Fig. 4.

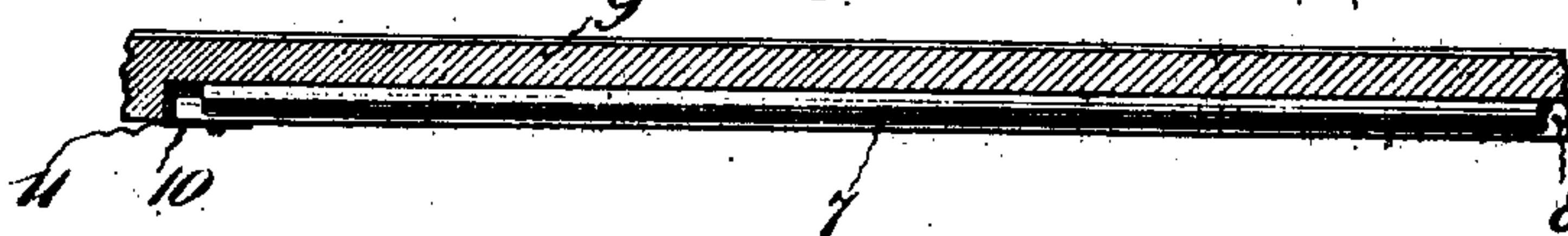


Fig. 5.



Witnesses.

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UNITED STATES PATENT OFFICE.

ISAAC E. PALMER, OF MIDDLETOWN, CONNECTICUT, ASSIGNOR TO THE I. E. PALMER COMPANY, OF MIDDLETOWN, CONNECTICUT, A CORPORATION OF CONNECTICUT.

HAMMOCK-BODY.

No. 903,494.

Specification of Letters Patent.

Patented Nov. 10, 1908.

Application filed November 25, 1907. Serial No. 403,633.

To all whom it may concern:

Be it known that I, ISAAC E. PALMER, a citizen of the United States, and resident of Middletown, in the county of Middlesex and State of Connecticut, have invented a new and useful Improvement in Hammock-Bodies, of which the following is a specification.

My invention relates to hammock bodies and has for its object to provide an arrangement which shall stiffen the bed frame of a hammock body and prevent it from sagging or setting, and, at the same time, make it easy and comfortable for the occupant.

A practical embodiment of my invention is represented in the accompanying drawings, in which

Figure 1 is a perspective view of the hammock body in assembled position, Fig. 2 is a plan view of the frame, looking at the under side showing the stiffening rods, Fig. 3 is a detail view of part of the same, showing the arrangements for fastening the ends of the rods, Fig. 4 is a vertical section in the plane of the line A—A of Fig. 3, showing the space left at the ends of the rods, and Fig. 5 is a cross section in the plane of the line B—B of Fig. 3, looking in the direction of the arrows.

The main body portion is denoted by 1 and it has end portions 2 which are connected by cords 3 to rings or eyes 4 for suspending the hammock body. The said main body portion and its ends may be of any convenient shape and made of any suitable material, such, for instance, as canvas, woven fabrics, etc.

The bottom frame is denoted by 5 and it is formed to fit in the main body portion, as shown in Fig. 1, and rest on the bottom of said body portion. The frame 5 is beveled on its upper side, its outer edge being thicker than its inner edge, making the frame stiff and at the same time light and also forming a natural seat for the mattress. This frame portion I preferably make of wood although metal or other stiff material may readily be used and the usual lacing cord 6 is strung from one side to the other of the frame 5 in order that the mattress or other support of any well known or approved construction, not shown herein, may rest yieldingly on this bottom frame. In hammock bodies of this class heretofore made the frames have had a constant tendency to sag or set and this has been a great and very objectionable

fault because it has caused a permanent distortion of a hammock body, increased the wear of certain parts and made the hammock body uncomfortable to the user. To obviate this defect, I provide the frame of the hammock body with stiffening bars or rods 7, which, in the present case, are arranged longitudinally along the under side of the sides of the said frame. These rods 7 are set in grooves 8 in the side portions 9 of the frame, in the present instance, so as to be flush with the faces of said side portions, and are slidably held in position by the head plates 10 which are fastened to the side portions 9 of the frame 5 over the extremities of said rods 7. These head plates 10, I preferably make substantially flat and secure them to the frame in the same plane therewith; but I provide said plates with a tooth or projection 11 which enters the groove 8 and rests against the end thereof and serves as a protecting plate for the end wall of said groove.

In the form shown, the rods 7 are made a little shorter than their corresponding grooves so that each rod may be allowed a slight longitudinal sliding movement in its groove, as shown in Fig. 4, and the rods are preferably arranged two on each side piece 9 and overlapping each other along the central portion of said side pieces 9 but extending singly for a distance toward the opposite ends of each side piece, thereby producing a greater stiffening effect along the central portion of the side pieces than at the ends thereof.

It will be plainly seen that when the frame 5 is placed in the main body portion 1 and a weight is caused to rest upon said frame, the tendency of the frame to sag will be resisted by the rod 7. These rods, however, will allow the frame to sag or give slightly and in so doing the rods will slide along on the head plates 10 but all undue distortion of the frame will be absolutely prevented.

By giving the rods a slight longitudinal play in their grooves, I obviate any loosening or tearing away of the head plates 10, which would tend to occur if the rods were held immovably in place; because a small bending on the part of the frame would cause a considerable longitudinal strain on the rods.

By my structure, I eliminate all the ob-

jectionable defects of such a strain and at the same time impart a slight yielding property to the frame which is desirable.

When the weight is removed from the frame, the head plates will allow the rods to return to their normal position and so keep the frame from becoming permanently distorted.

The rods 7 may be of any suitable material and they may be placed on the frame in any feasible manner but I preferably make them of steel and place two of them on each side portion of the frame 5, each two being substantially parallel to each other.

It is to be understood that I do not confine myself to the structure herein shown and described, as it is only one way of carrying out my invention.

What I claim is:—

1. In combination, a hammock body, a frame fitted to the body and comprising sides and ends secured together at the corners and stiffening rods extending longitudinally along the under faces of the sides of the frame in grooves formed therein, the said rods having a limited free longitudinal sliding movement in the grooves.

2. In combination, a hammock body, a

frame fitted to the body and comprising sides and ends secured together at the corners with their edges directed inwardly and outwardly in a horizontal plane and overlapping stiffening rods secured to the under sides of the frame in grooves formed in the said sides, the said rods having a limited free longitudinal movement in the grooves.

3. In combination, a hammock body, a frame fitted to the body and comprising sides and ends secured together at the corners, the said sides and ends having their upper faces beveled and arranged with their thinner edges directed inwardly and their thicker edges directed outwardly and stiffening rods secured in grooves formed in the under sides of the sides of the frame and having a limited free longitudinal movement in said grooves.

In testimony, that I claim the foregoing as my invention, I have signed my name in presence of two witnesses, this 21st day of November 1907.

ISAAC E. PALMER.

Witnesses:

CHAS. M. LAUER,
PAUL S. CARRIES.