I. E. PALMER.

COUCH HAMMOCK AND FRAME THEREFOR.

APPLICATION FILED SEPT. 25, 1911.

1,030,485.

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Fig. 1.

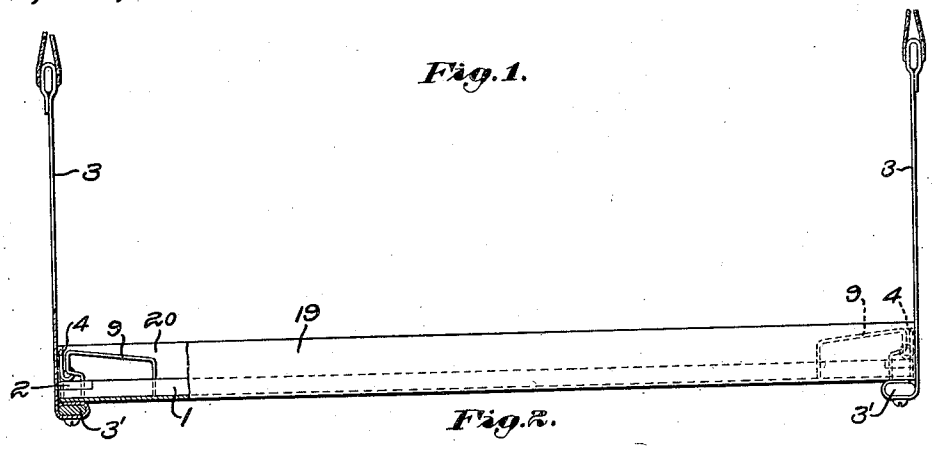


Fig. 2.

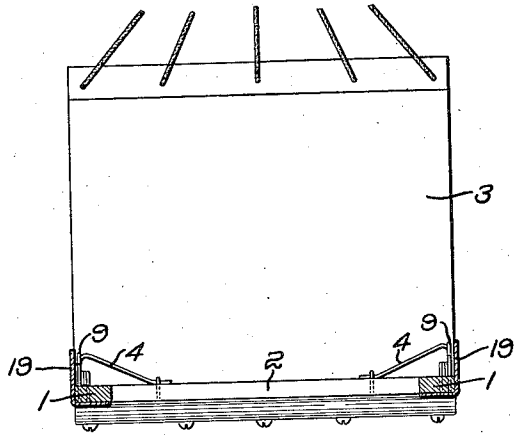


Fig. 3.

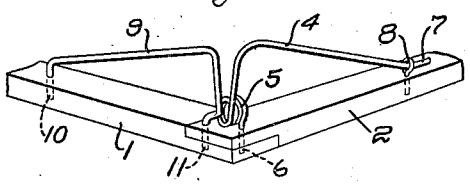


Fig. 4.

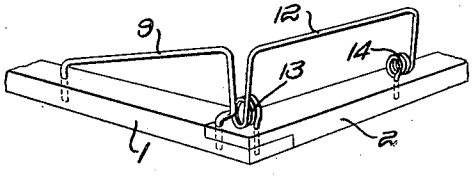
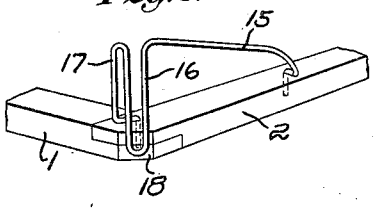


Fig. 5.



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COUCH-HAMMOCK AND FRAME THEREFOR.

1,030,485. Specification of Letters Patent. **Patented June 25, 1912.**

Original application filed December 27, 1910, Serial No. 599,387. Divided and this application filed September 25, 1911. Serial No. 651,128.

To all whom it may concern:

Be it known that I, ISAAC E. PALMER, a citizen of the United States, and a resident of Middletown, in the county of Middlesex and State of Connecticut, have invented an Improvement in Couch-Hammocks and Frames Therefor, of which the following description, in connection with the accompanying drawings, is a specification, like characters on the drawings representing like parts.

This invention relates to couch hammocks and frames therefor, and is in substance a division of my co-pending application Serial No. 599,387, filed December 27, 1910.

In order that the principle of my invention may readily be understood, I have disclosed a single embodiment thereof in the accompanying drawings, wherein—

Figure 1 is a side elevation with parts broken away showing a couch hammock constructed in accordance with my invention; Fig. 2 is a transverse vertical section thereof; Fig. 3 is a perspective view of one corner of the hammock frame; and Figs. 4 and 5 are similar views of slightly modified forms thereof.

In my Patent No. 944,814, December 28, 1909, I have disclosed a corner bracket for couch hammocks upstanding from an upper face thereof and functioning not only to position the mattress, but to provide a support, or positioning means against which the sides or corners of the hammock body may be tightened or fitted so as to support the side walls substantially perpendicular to the bottom of the hammock body. In accordance with my present invention, I provide resilient brackets or means at the ends and preferably adjacent corners of the hammock and adapted to yield when weight is received at one side of the frame or hammock and resume their normal position when the hammock is relieved of such weight, thereby restoring the upstanding hammock sides to upright position. Although my invention is not limited to use in connection with couch hammocks having upstanding sides, it is particularly adapted thereto, as when weight is received upon one side of the hammock the upstanding side is thereby depressed or forced downwardly, and will not readily resume its normal position without the provision of means such as herein described. Said upstanding sides may be directly attached if desired to the said resilient bracket or means, or may be attached to or form a part of the suspension ends themselves. My invention may also be used as means to which to maintain a mattress cover in position and substantially taut from end to end, the mattress cover being if desired directly connected to the said resilient brackets by lacing or the like.

Referring more particularly to the drawings, the frame of the couch hammock is represented in the several figures, it being composed of longitudinally extending sides 1 and transversely extending ends 2 connected in any suitable manner at their meeting ends. Any suitable suspension ends 3 may be provided which may be connected together; that is to say, may be continuous from end to end or may as shown be connected by transverse strips 3′ or the like to the frame at its ends and preferably to the under side thereof. Said suspension ends may be detachably or permanently connected to the frame as desired. At the ends of the frame I provide resilient means preferably consisting of a wire bracket at each corner of the frame, each wire bracket being made in one or more parts as desired. These wire brackets or other resilient means are preferably detachably applied or secured to the frame so as to protrude or upstand therefrom, they being preferably applied to the upper face thereof.

In Fig. 3, I have shown a bracket composed of a wire 4, one end of which is provided with a coil 5 and an end 6 inserted in a suitable socket in the frame. The opposite end 7 of the wire bracket is represented as somewhat loosely passed through a staple 8 secured removably or otherwise to the upper face of the frame, the construction being such as to permit the bracket to yield inwardly when the hammock is subjected to the strain of use. Preferably, the wire 4 is positioned closely adjacent the corner of the frame, and if desired I may

provide a secondary bracket 9 of wire or other material having ends 10, 11 secured to or inserted in sockets in the frame.

In Fig. 4, I have shown a slightly modified form of my invention wherein the wire bracket 12 is provided with spring coils 13, 14 at its ends, thus increasing the resiliency thereof. If desired, a subsidiary bracket 9 may also be secured to the longitudinal or side member of the frame.

If desired, instead of providing a bracket with a spring coil, I may as shown in Fig. 5 provide the bracket 15 with a loop or coil 16 permitting inward yielding thereof. In this form of my invention, the said bracket has a member 17 extending if desired longitudinally of the frame to a greater or less extent, and therefore taking the place of the separate bracket 9 shown in Figs. 3 and 4. In this form of my invention, the corner of the frame is beveled off as indicated at 18, so that no sharp corner is presented to the hammock body. The lower part of the loop 16 may lie against the said beveled corner of the frame.

The upstanding sides of the hammock are indicated at 19 in Figs. 1 or 2, they being of any suitable height and preferably receive between them the mattress 20. Viewing Fig. 1, it will be observed that the resilient brackets 4 extend substantially vertically close to the inner faces of the suspension ends. Preferably, the upstanding sides 19 are secured by lacing or otherwise to the suspension ends in a manner not herein necessary fully to disclose. When, therefore, a person is seated upon one side or the other of the hammock, the result is to pull down the corresponding upstanding side 19, and thus to draw inward the lower parts of the suspension ends, the brackets 4 yielding inwardly to permit this action. As soon as the hammock is relieved of this weight, however, the resiliency of the brackets 4 restores them to vertical position, thus pressing against the inner faces of the suspension ends 3 and restoring the upstanding edges 19 to upright position at the same time drawing them taut and holding them in a sightly manner. If desired, the upstanding sides 19 may be directly attached to the said brackets 40 by lacing or otherwise instead of being attached to the suspension ends 3, the result being substantially the same in either case. I may also employ a mattress cover laced or otherwise secured to the suspension ends or to the said brackets 4, the result being that the mattress cover is thereby kept substantially taut, owing to the resiliency of the said brackets.

Having thus described one illustrative embodiment of my invention, I desire it to be understood that although specific terms are employed, they are used in a generic and descriptive sense, and not for purposes of limitation, the scope of the invention being set forth in the following claims.

Claims.

1. A substantially rectangular frame for couch hammocks, etc., having upstanding, resilient corner guards or members.

2. A substantially rectangular frame for couch hammocks, etc., having adjacent each corner an upstanding wire guard or member provided with a coiled, resilient portion permitting inward resilient yielding of said guards or members.

3. A corner guard for a couch hammock frame or the like consisting of a bracket having provisions for attaching it to said frame adjacent a corner thereof, said bracket having a spring like portion permitting resilient yielding of said bracket toward the opposite corner of said frame.

4. A corner guard for a couch hammock frame or the like consisting of a corner bracket having provisions for attaching it to said frame adjacent a corner thereof, said bracket having one or more coils permitting inward, resilient yielding of said bracket.

5. A couch hammock comprising in combination a frame, suspension means therefor, upstanding, flexible sides and resilient corner guards or members upstanding from said frame.

6. A couch hammock comprising in combination a frame, suspension ends therefor, upstanding, flexible sides extending to said ends and resilient corner members attached to said frame and upstanding from the upper face thereof, said members being seated at the inner faces of the meeting portions of said suspension ends and sides.

7. A couch hammock comprising in combination a frame, suspension ends therefor, upstanding flexible sides connected to said ends and coiled wire corner members attached to said frame and upstanding from the upper face thereof, said members being seated at the inner faces of the connected portions of said suspension ends and sides.

8. A couch hammock comprising in combination a frame, suspension ends therefor, upstanding, flexible sides extending to said ends and transversely extending wire corner members attached to said frame at its corners and upstanding from the upper face thereof, said members being seated at the inner faces of said sides and ends and each adapted to yield toward the opposite suspension end when the hammock is subjected to the user's weight.

9. A couch hammock comprising in combination a frame composed of side and end members, flexible suspension ends therefor, upstanding, flexible sides extending to said ends, transversely extending, coiled, wire corner brackets attached to the end members of the frame and upstanding from the upper

face thereof, said members being positioned at the inner faces of said suspension ends adjacent the side edges of said ends.

10. A couch hammock comprising in combination a substantially rectangular frame having suspension ends positioned in substantial parallelism with the ends of the frame and a plurality of looped mattress positioning members at each side of said frame and having ends seated in sockets in said frame and projecting above the upper surface thereof, said members being positioned closely adjacent the edges of said suspension ends and therewith providing substantially rectangular corners.

In testimony whereof, I have signed my name to this specification, in the presence of two subscribing witnesses.

ISAAC E. PALMER.

Witnesses:
IRVING U. TOWNSEND,
ROBERT H. KAMMLER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."