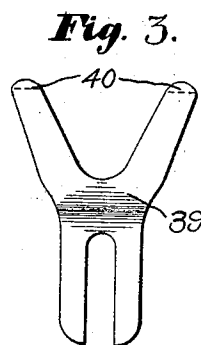
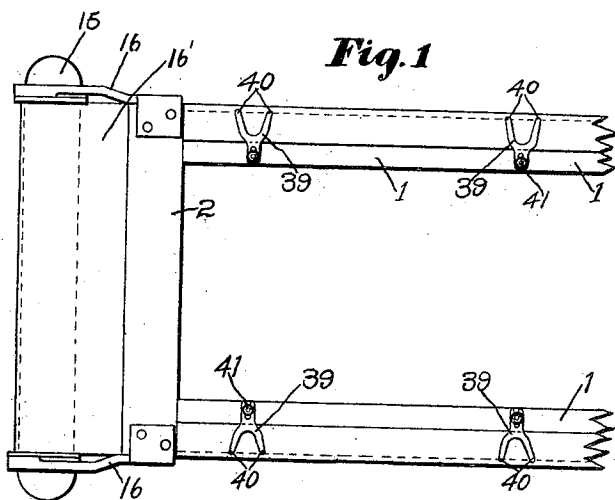
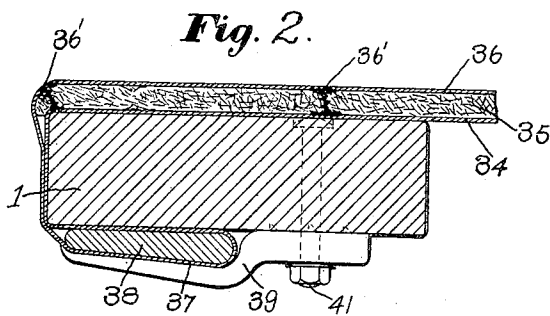


I. E. PALMER.
HANGING SEAT HAMMOCK.
APPLICATION FILED SEPT. 18, 1909.

980,166.

Patented Dec. 27, 1910.

2 SHEETS—SHEET 1.



Witnesses:
Carl L. Choate,
Ernest A. Telfer

Inventor:
Isaac E. Palmer,
by Emily and Ross
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2 SHEETS—SHEET 2.

Fig. 4.

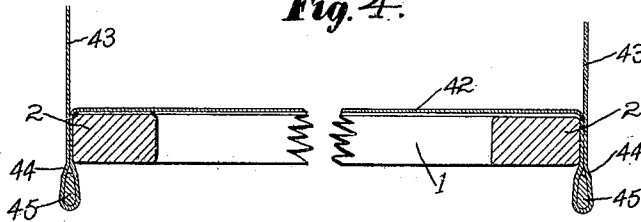


Fig. 5.

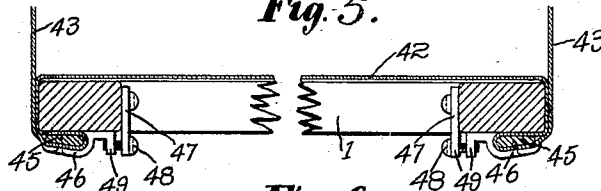


Fig. 6.

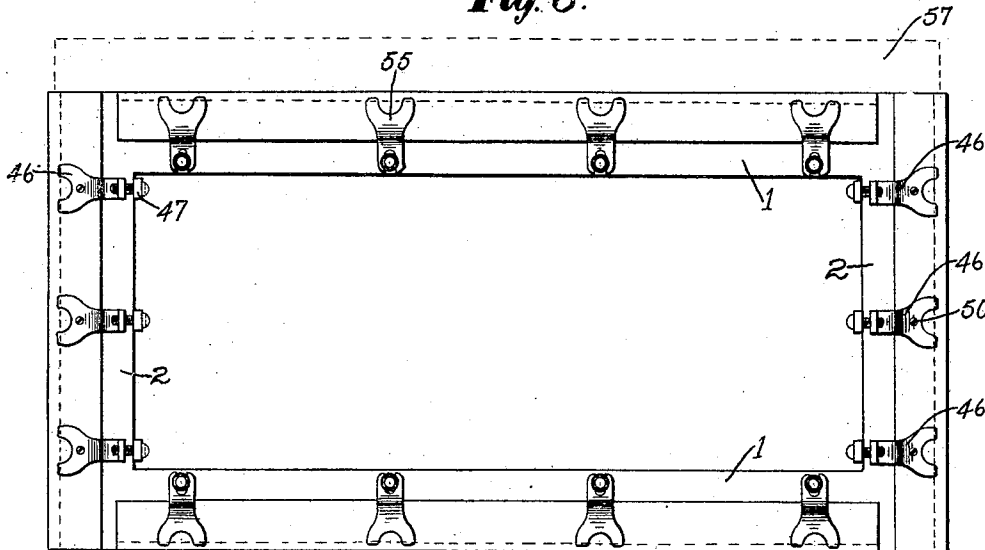
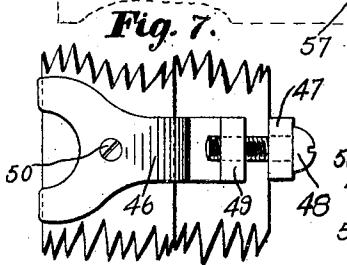


Fig. 7.



Witnesses:

Carl L. Choate.
Ernest A. Telfer

Fig. 10.

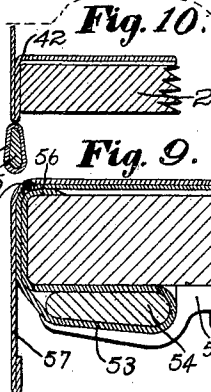


Fig. 9.

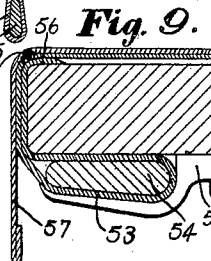
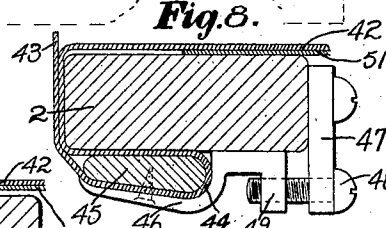


Fig. 8.



Inventor:
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by Emory and Booth
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UNITED STATES PATENT OFFICE.

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

HANGING SEAT-HAMMOCK.

980,166.

Specification of Letters Patent.

Patented Dec. 27, 1910.

Application filed September 18, 1909. Serial No. 518,379.

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 Hanging Seat-Hammocks, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

This invention relates to couch or hanging seat hammocks.

In order that the principles of the invention may be readily understood, I have disclosed certain types thereof in the accompanying drawings, wherein—

Figure 1 is a partial plan view of a couch hammock in which my invention may be embodied; Fig. 2 is a cross section thereof; Fig. 3 is a detail, plan view of the form of bracket shown in Figs. 1 and 2; Fig. 4 is a longitudinal sectional view of a hammock constructed in accordance with my invention and showing the position of the hammock body before the end spreaders are secured in position; Fig. 5 is a similar view but showing the spreaders secured in position; Fig. 6 is an underneath plan of the hammock shown in Figs. 4 and 5; Fig. 7 is a detail in plan showing one of the forms of adjusting brackets that may be employed; Fig. 8 is a longitudinal sectional detail of the hammock shown in Fig. 6; Fig. 9 is a transverse sectional detail thereof; Fig. 10 is a detail illustrating a slightly modified form of the hammock shown in Figs. 4 and 5.

In Fig. 1, I have represented side members 1 and an end member 2 of the frame, as well as an end cross bar 15 and supporting brackets 16 of the general form shown in my Patent, No. 901,936.

The hammock body 16' is adapted to pass under the end cross bars 15 and over the end members 2 of the frame as disclosed in said patent. Instead of providing a seating attached directly to the frame, I preferably provide a seating and preferably also a wadding or mattress, both of which are attached directly to the hammock body. Any suitable seating may, however, be provided.

In Fig. 2, the seating is represented at 34 as formed of cloth, such as canvas, the wadding being shown at 35, and the hammock cloth at 36. These three parts are all connected together by stitching or otherwise at

any desired points as indicated at 36'. Preferably, the hammock body is attached to the wadding and seating along the outer or lateral edges of the frame, as indicated at 36' in Fig. 2. The object of attaching the said three parts together is to permit them to be shifted simultaneously as a unit to take up sag or slack or for other purposes. While this may be accomplished in any desired manner, I have in Fig. 2 shown the cloth of the seating 34 as extending around and underneath the side member 1, where it is provided with a pocket 37 in which is positioned a slat or rod 38 which may be of a tapering form in cross section. It is apparent that instead of thus extending the seating 34, the hammock body 36 may be thus extended or that both parts may be brought about the member 1 and suitably connected to form a pocket 37 substantially as indicated in Fig. 2, the line of union not being indicated. To secure the parts in position, I provide a suitable number of brackets 39 shown in Figs. 1 and 3 as having bifurcated outer ends with up-turned tips to engage the outer edges of the slats or rods 38. The brackets 39 are secured to the side members 1 of the frame by bolts 41, the brackets being slotted to permit lateral adjustment of the slats or rods 38, thereby adjusting the tension of the seating, wadding and hammock body. The brackets are preferably readily detachable as shown.

In Figs. 4 to 10 inclusive, I have indicated another form of hammock embodying my invention. The frame of the hammock is composed of longitudinal and end members 1—1 and 2—2, the end cross rods being omitted. The hammock body 42 is preferably formed in a single piece and comprises the portion overlying the hammock frame and the upright or suspension ends 43—43. The hammock body is looped or doubled at the ends, as indicated in Figs. 4 and 5, to provide depending pockets 44—44, within which are received spreaders or slats 45—45. The side spreaders are secured against the under face of the frame in any suitable manner, and preferably by brackets 46 shown more clearly in Figs. 6 and 7. The inner edges of the end members 2 have attached thereto preferably metallic members 47, each having a hole for the passage of a screw 48 engaging a threaded opening in an ear 49 upon the bracket 46. By turning the screws 48 the

brackets 46 may be moved back and forth to vary the endwise tension of that part of the hammock body 42 which overlies the frame. Preferably the brackets 46 are directly secured to the spreaders 45 by screws 50.

The frame may be provided with a seating not indicated in Figs. 4 and 5 and which may be and preferably is of cloth, the lateral edges of which are secured to the frame in such manner as to vary the transverse tension of the seating. Preferably the seating is directly attached to the hammock body 42, so that the two parts may be adjusted as a unit substantially in the manner described with reference to Fig. 2. If desired, I may also interpose a wadding between the seating and the hammock body in the construction shown in Figs. 4 and 5 and attach the three parts together as described with reference to said Fig. 2 for simultaneous adjustment.

In Fig. 8, I have indicated the end of the frame in longitudinal section. In said figure, the hammock body 42 overlies the frame and is provided at each end with a pocket 44 for the reception of the slat 45, the brackets 46 securing said slats in proper position. The seating 51 of canvas or other suitable cloth and which is preferably employed in this type of hammock, is shown as underlying the hammock body and as resting at its ends upon the end members 2 of the frame.

In Fig. 9, I have indicated in transverse section one of the longitudinal members 1 and the relation of the hammock body 42 and seating 51 thereto. In this construction of hammock, I may provide means adjustably to secure the seating to the frame, as at the under side thereof and connect the hammock body 42 thereto. To this end, I have in Fig. 9 represented the seating 51 at the sides of the hammock frame as extending down beneath the frame to form a pocket 53, within which is received a slat 54, the seating edge and slat being held in the desired position by the adjustable bracket 55 shown also in Fig. 6, and preferably of the general type indicated in Fig. 1. If desired, the extreme edge of the seating 51 at each side of the hammock may be brought up over the adjacent longitudinal member 1, as indicated at 56 in Fig. 9. Preferably in this type of hammock I provide at each side a valance 57, one of which is indicated in full lines in Fig. 9 and both of which are indicated in dotted lines in Fig. 6. The hammock body 42 may be attached along suitable lines to the seating 51, as, for example, by lines of stitching 58 indicated in Fig. 9. In this manner, the seating 51 although extending beneath the frame, is wholly concealed by the side valances.

The construction shown in Fig. 10 is similar to that indicated in Fig. 4, with the exception that instead of providing a pocket

44 integral with the hammock body 42, I provide a pocket 59 formed of a separate piece of material and sewed to the hammock body 42 at each side of the frame.

It will be apparent that in the construction shown in Figs. 1 to 10 inclusive, the hammock body is detachably secured to the frame, so that it may readily be removed therefrom, it being merely necessary, in this embodiment of my invention, to remove the brackets from the frame.

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.

1. A couch hammock comprising in combination a frame composed of side and end members and a continuous hammock body having a supporting engagement with the ends of the frame and thence continuing to the points of support, said hammock body having its lateral edges provided with longitudinal pockets, supporting strips in said pockets, and means adjustable transversely of the frame to secure said pockets and strips to said frame, whereby slack in said hammock body may be taken up transversely.

2. A couch hammock comprising in combination a frame composed of side and end members and a continuous hammock body folded at the end members of the frame and thence continued to the points of support, and means for adjustably securing said folded ends to the frame, whereby the tension may be adjusted and slack be taken up longitudinally.

3. A couch hammock comprising in combination, a frame composed of side and end members and a continuous hammock body folded under the end members of the frame and thence continued to the points of support, and means for adjustably securing said folded under ends to the frame, whereby the tension may be adjusted and slack be taken up longitudinally, said means including transverse supporting strips and brackets engaging said strips and adjustably connected to the frame.

4. A couch hammock comprising in combination a frame composed of side and end members, a hammock body applied to the upper face of said frame, a padding attached to said body, and means attached to the side members of the frame and laterally adjustable with respect thereto for adjustably securing the lateral edges of said hammock body and padding to said frame.

5. A couch hammock comprising in combination a frame composed of side and end members, a hammock body applied to the upper face of said frame, a padding under-

lying said hammock body but attached thereto, and means for securing the lateral edges of said body and padding to and transversely adjustable of said side members, whereby lateral slack in said body and in said padding may be taken up.

6. A couch hammock comprising in combination a frame composed of side and end members, a hammock body applied to the upper face of said frame, a textile seating underlying said hammock body and means adjustably to secure both the seating and the body directly to the side members of said frame, whereby the lateral slack in both said body and seating may be taken up.

7. A couch hammock comprising in combination a frame composed of side and end members, a hammock body applied to the upper face of said frame, a textile seating underlying said hammock body and attached thereto, and means for adjustably securing as a unit said hammock body and seating to the side members of said frame.

8. A couch hammock comprising in combination a frame composed of side and end members, a hammock body applied to the upper face of said frame, a seating and a padding underlying said body, and means for adjustably securing the lateral edges of said body, padding and seating to the side members of the frame, whereby lateral slack in each may be taken up.

9. A couch hammock comprising in combination a frame composed of side and end members, a hammock body applied to and overlying the same, and readily detachable and adjustable brackets to secure the lateral edges and end portions of said body to the side and end members of the frame.

10. A couch hammock comprising a frame having side and end members, end cross rods, brackets connecting them to the frame, a hammock body underlying said cross rods and overlying the side and end members of the frame, a fabric seating and a wadding underlying said hammock body but secured thereto, and means for laterally and adjustably connecting said hammock body, seating and wadding to the frame, whereby said fabric, seating and wadding may be conjointly adjusted laterally of the frame.

11. A couch hammock comprising a frame having side and end members, a hammock body overlying the frame and having sides and ends extending beneath the frame, and adjustable means to secure said sides and ends to the under side of the frame and to take up slack laterally and longitudinally, said body having integral end suspension members.

12. A couch hammock comprising in com-

bination a frame composed of side and end portions, a hammock body overlying the frame and having means adjustably to connect the same to the end portions thereof, whereby the longitudinal tension of the said body may be adjusted, and suspension means.

13. A couch hammock comprising in combination a frame composed of side and end members, a hammock body applied to the upper face of said frame, and means for adjustably securing both the lateral edges and end portions of said body to said side and end members of the frame, whereby both the lateral and the longitudinal tension of said hammock body may be varied.

14. A couch hammock comprising in combination a frame, a continuous hammock body composed of a unitary strip secured to said frame at the end portions thereof and thence continuing to the points of support, and adjustable means to vary the longitudinal tension of that portion of said strip that is applied to said frame.

15. A couch hammock comprising a frame having side and end members, a hammock body overlying the frame and having sides and ends extending beneath the frame, and adjustable means to secure said sides and ends to the under side of the frame and to take up slack laterally and longitudinally.

16. A couch hammock comprising in combination a frame composed of side and end members, a continuous hammock body overlying the frame and having a supporting engagement with the ends of the frame and thence continuing to the points of support, and means adjustable transversely of the frame for adjustably connecting the lateral edges of said body to said frame, whereby slack in said hammock body may be taken up transversely.

17. A couch hammock comprising in combination a frame, a continuous hammock body composed of a unitary strip secured to said frame at the end portions thereof, and thence continuing to the points of support, the means for securing the frame and body together at the frame ends comprising tension limiting devices for controlling the endwise stretch upon the said body strip in use, said devices detachably securing the body to the ends of the frame.

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,
MAY H. LOWRY.