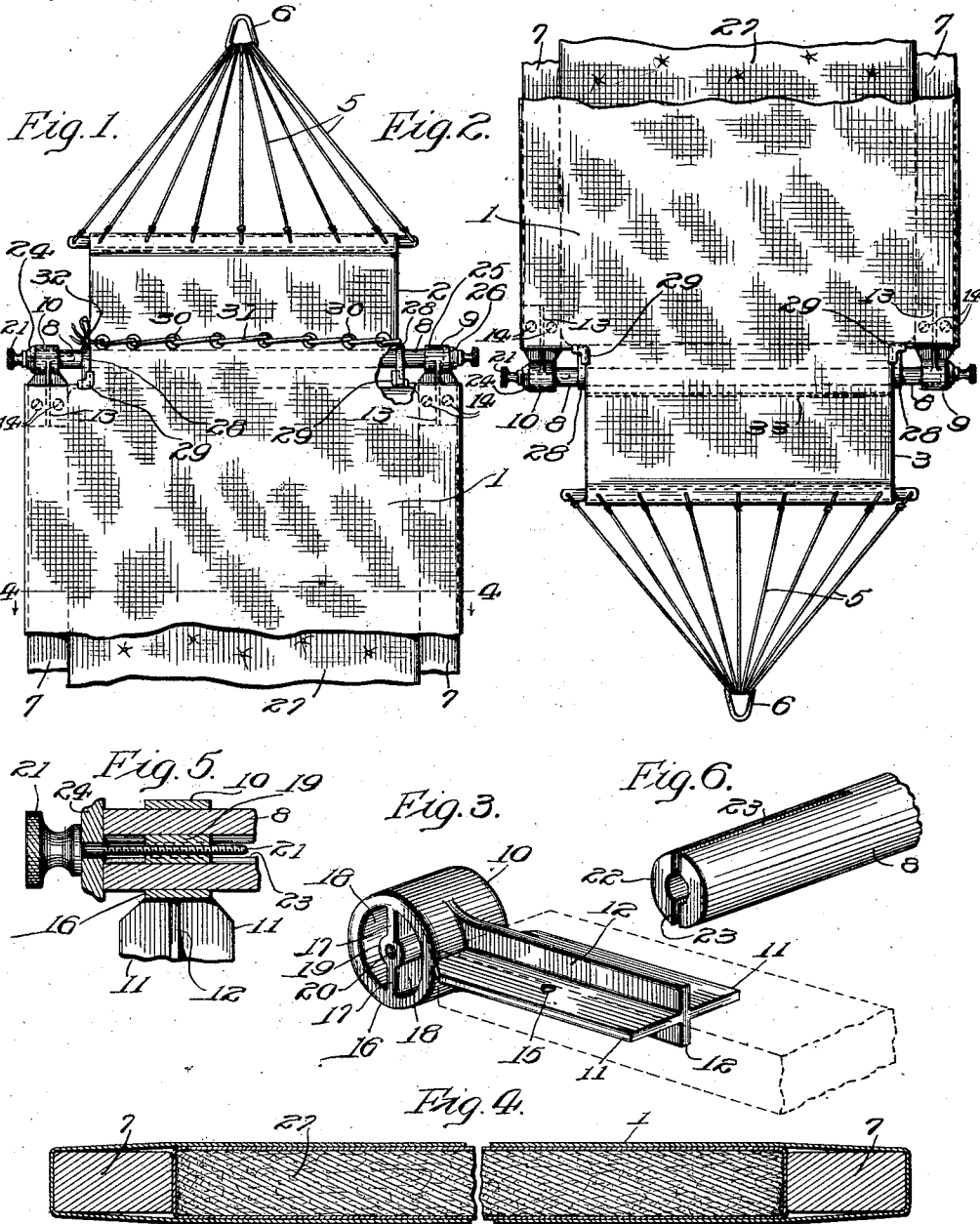


W. H. HARRISON.
COUCH HAMMOCK.

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Patented Dec. 24, 1912.



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COUCH-HAMMOCK.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, WILLIAM H. HARRISON, a citizen of the United States, residing at Lawndale, in the city and county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Couch-Hammocks, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part of this specification.

The principal objects of my invention are to provide a couch hammock having an inclosed, removable, and replaceable mattress; a couch hammock which is reversible and has a collapsible frame; means for varying the transverse tension of the body portion of the hammock; a detachable means for securing and adjusting the ends of the mattress to the frame; to provide a reversible couch hammock, the cover of which may be in sections of different colors or designs or material; all the features of my invention being combined in a couch hammock of very cheap and durable construction which may readily be taken apart and combined in an easily transportable package.

Other objects of my invention will appear in the following description and in the accompanying drawings.

In general terms, my invention may be stated to consist in providing a reversible couch hammock, having a body portion which may be woven integrally or formed of two or more portions suitably fastened together and inclosing the side rails of the frame of the hammock, and a mattress, the sides of which are preferably in contact with the inner sides of the said side rails and detachable end pieces, which when removed permit the mattress to be withdrawn from, or replaced within, the body portion of the hammock.

In the accompanying drawings in which similar parts are indicated by similar reference numerals, Figure 1 is a top plan view of one end of a couch hammock, partly in section and illustrating a preferred embodiment of my invention; Fig. 2 is a top plan view of the other end of the couch ham-

mock shown in Fig. 1; Fig. 3 is a perspective view of one of the supports for the side rails and the tension adjusting devices, with a portion of a side rail shown in dotted lines; Fig. 4 is a sectional view taken on the line 4—4 of Fig. 1; Fig. 5 is a sectional view of a part of my tension adjusting device; and Fig. 6 a perspective view of one end of the tension adjusting rod.

In Figs. 1 and 2, the body portion 1 of the hammocks may be made of hammock cloth or other suitable material, and may embody different designs, colors or materials in the respective top and bottom sides thereof, so that by reversing or overturning the hammock, the portion thereof presented to the eye is changed, thus adding to the attractiveness and ornamental features. Furthermore, the durability of the hammock is greatly increased in that both sides are equally well adapted for sitting or reclining, thereby substantially doubling its period of use. Another feature of this part of my invention lies in the fact that substantially one-half of the body portion of the hammock may be made of water-proof material, whereby the taking down and housing of the hammock during inclement or threatening weather may be avoided, for by overturning the hammock so that the side thereof, upon which is placed the water-proof material, is uppermost, protection from moisture is afforded to the mattress and the lower side of the hammock. Frequent handling of the hammock with the consequent wear and tear being thus greatly reduced, the durability of the hammock is largely increased. The ends 2 and 3 of the body portion 1 of the hammock have fastened thereto suitable clue lines 5 which pass through suspension rings 6. The frame of the hammock consists of side rails 7—7 and end pieces 8—8, which are mounted in supports 9 and 10. The support 10, a perspective view of which is shown in Fig. 3, is preferably made of metal and consists of a horizontal plate 11, from which project tongues 12—12, adapted to engage in suitable grooves, 13, in the side rails, while similar grooves are also provided to receive the

plate 11, the said support and side rails being firmly fastened together by screws or bolts 14, passing through the holes 15 in the plate 11. Upon one end of the said plate 11 is a cylindrical socket 16, preferably made integral with said plate, and divided by the web 17 into two substantially equal chambers 18—18. The web 17 has an enlarged centrally disposed portion 19 in which is provided a screw threaded interior 20, adapted to engage a screw 21. The adjacent end 22 of the end piece 8 is provided with a recess 23, substantially in the form of the web 17 of the support 10, and is adapted to fit snugly within the interior of the socket 10, although movable there-through, while a suitable washer 24 is placed between the head of the screw 21 and the end 22 of the rod 8, which extends through the socket 10.

The support 9 is preferably a blind casting similar in form and size for ornamental purposes to the device formed by the assembling of the support 10, the washer 24 and the screw 21 and has a recess 25 therein adapted to receive the end 26 of the rod 8.

The operation of this preferred form of tension adjusting device may be briefly described as follows: By inserting the end 26 of the rod 8 into the recess 25 in the support 9, passing the end 22 into and through the cylindrical socket 10, placing the washer 24 upon the projecting end 22, and passing through it and the threaded interior 20 of the web 17 the threaded portion of the screw 21, it will be obvious that by rotating the screw 21 that the washer 24 will be forced against the said end 22 of the rod 8, thereby causing the end 26 of the rod 8 to be pressed against the bottom of the recess 25 of the support 9, thus forcing the supports 9 and 10 farther apart and causing a corresponding separation of the side rails 7—7, thereby increasing the transverse tension of the body portion 1 of the hammock. By reversing the movement of the screw 21, the tension on the said body may be correspondingly lessened, in view of which it is evident that the transverse tension of the body portion of the hammock may be adjusted as desired. A similar tension adjusting device to that just described is preferably placed on each end of the hammock. By partially removing the screws 21 the end pieces 8 may be removed from their supports 9 and 10.

As shown in Figs. 1, 2 and 4 a mattress 27, formed of any suitable material, lies within the frame of the hammock and is inclosed by the body portion 1. It has been found desirable, although not always necessary to attach loops 28 to the ends of the mattress, said loops passing over the end pieces 8—8, and thereby preventing the

mattress from slipping or rolling up. The said loops comprising any desired number may be made of any suitable material and may be in the form of straps provided with buckles. The loops may be slipped off of the end pieces 8—8, when said end pieces are being detached from their supports, or they may be unbuckled from said end pieces when buckle straps are employed, and furthermore, by adjusting the buckle straps, the positions of the mattress within the frame may be varied.

Angle pieces 29 are shown as being made preferably of leather and serving to strengthen the angle formed by the ends 2 and 3 with the main body portion 1 of the hammock.

Eyelets 30—30 are correspondingly arranged in the top and bottom portions of one end of the hammock adjacent to the end piece 8 and a cord 31 passes through the eyelets and is knotted at 32, the said cord being easily removable from the said eyelets and adapted to hold the top and bottom portions of the end 2 closely together. Upon the opposite end of the hammock 3 the top and bottom portions are preferably joined together by sewing the same as shown at 33. Of course it will be evident that this feature of my invention may be constructed by having eyelets and a cord, such as illustrated at 30 and 31, at both ends of the hammock, but such a construction is not necessary. Furthermore, I do not wish to limit myself to the manner of joining the top and bottom portions of the end of the hammock to the form illustrated by me, as it will be evident that many changes might be made and other constructions might be equally well employed for the purpose.

The operation of my device is as follows: When the parts are assembled, as shown in Figs. 1 and 2, and it is desired to remove the mattress, an end piece 8 of the hammock is first released, as above described, by partially removing the screw 21. The end piece 8 is then withdrawn from its supports and at the same time from the loops 28, the cord 31 removed from the eyelets 30, and the mattress 27, may then be grasped and withdrawn through the openings afforded between the top and bottom portions of the end portion 2. When it is desired to replace the mattress the same may be easily done by reversing the operation just described.

In providing a couch hammock in which a mattress is inclosed, I have materially lessened the cost of production of couch hammocks of which mattresses form a part, for the mattress covering may be of any suitable material which will firmly hold the packing of the mattress, while hitherto the covering of the mattress being exposed, has

necessarily been formed of materials requiring great durability and of attractive color and design.

It will furthermore be readily understood that the parts of my improved couch hammock may be readily separated and rolled together into a package occupying comparatively little space and easily transportable, thus making possible a cheapened cost of transportation.

I do not consider my invention as being limited by the constructions illustrated in the drawings and as above described, for it is obvious that numerous changes in the constructions shown and described may be made without departing from the spirit and scope thereof, such for instance as the elimination of the transverse tension adjusting device, and simply providing a removable rod in its place; in the form of support for the side rails and the end pieces; in the means shown for fastening together the top and bottom end portions of the hammock; and in various other features of the device. Furthermore, it will be understood that my improved couch hammock may be constructed with a mattress fixedly fastened to the body portion, or to the frame, or to both, and that it may also be constructed and utilized without any mattress, if so preferred.

Having thus fully described my invention, what I claim and desire to protect by Letters Patent of the United States is,—

1. A couch hammock comprising a frame, a body portion, a mattress inclosed by said body portion, and an adjustable rod for varying the transverse tension of the body portion.

2. A couch hammock comprising a collapsible frame, a body portion, a removable mattress substantially inclosed by said body portion, a rod, and supports for said rod, contacting with said rod to adjust the transverse tension of the body portion.

3. In a couch hammock, a frame, a hollow body portion, a mattress substantially inclosed by said body portion, and means for detachably fastening the ends of the mattress to the end pieces of the frame.

4. A reversible couch hammock having an inclosed removable mattress, a frame inclosing said mattress, and an adjustable piece on said frame for varying the transverse tension of the hammock.

5. A reversible couch hammock, a collapsible frame comprising side rails, end pieces and a hollow body portion inclosing a removable mattress, and means connected to said body portion independent of said frame for supporting said hammock.

6. A reversible couch hammock consisting of a removable mattress, a frame comprising supports, side rails and end pieces carried

by said supports, said end pieces being detachably mounted in said supports and said frame arranged to surround said mattress.

7. In a reversible couch hammock having an inclosed removable mattress, tension adjusting means comprising a rod having a slotted end, supports for said rod, one of said supports having a webbed interior adapted to engage said slotted end and provided with a screw threaded opening having a screw adapted to engage said screw threaded opening, a washer carried by said screw and adapted to be pressed against said slotted end by said screw.

8. A couch hammock comprising a frame, a hollow body portion inclosing said frame, a removable mattress surrounded by said frame and in the plane thereof and substantially inclosed by said body portion, a rod, and supports for said rod coacting therewith to adjust the transverse tension of the body portion.

9. In a couch hammock, the combination with a frame, of a hollow body portion, a mattress substantially inclosed by said body portion, and means detachably connecting said mattress to said frame, said means comprising a loop connected to said mattress and embracing a portion of said frame.

10. In a couch hammock, the combination with a frame comprising side rails and end pieces, of a mattress between said side rails and end pieces and substantially in the plane thereof, a hollow body portion substantially inclosing said side rails, said end pieces, and said mattress and terminating beyond said end pieces, and means connected thereto for supporting said hammock.

11. In a couch hammock, the combination with a frame comprising side rails and end pieces, of a hollow body portion substantially inclosing said rails and end pieces and terminating in ends beyond said end pieces, and means for detachably securing together said ends adjacent to said end pieces.

12. In a couch hammock, the combination with a frame comprising side rails and end pieces, of a mattress, a hollow body portion substantially inclosing said frame and said mattress, and means detachably connecting the opposite sides of said body portion adjacent to one of said end pieces, said mattress being removable longitudinally through the said body portion, when said sides are disconnected adjacent to said end piece.

13. A couch hammock comprising a frame, a hollow body portion surrounding and contacting with said frame, and a removable mattress lying in substantially the same plane as said frame and surrounded thereby, said mattress being between and in contact with the opposite sides of said body portion.

14. A couch hammock comprising a frame, a hollow body portion surrounding and contacting with said frame, and a removable mattress lying in substantially the same plane as said frame and surrounded thereby, said mattress being between and in contact with the opposite sides of said body portion, and means connected to said body portion for supporting said hammock.
15. A couch hammock comprising a frame, a complete, covered mattress mount-

ed within the frame, a cover for said frame and mattress, and means connected to said cover for suspending the said frame and mattress.

In witness whereof I have hereunto set my hand this 18th day of September A. D. 1908.

WILLIAM H. HARRISON.

Witnesses:

FREDERICK A. BLOUNT,
ALEXANDER PARK.

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