

989,383.

E. C. McCREDY.  
COMBINED HAMMOCK AND COT.  
APPLICATION FILED DEC. 21, 1910.

Patented Apr. 11, 1911.

3 SHEETS-SHEET 1.

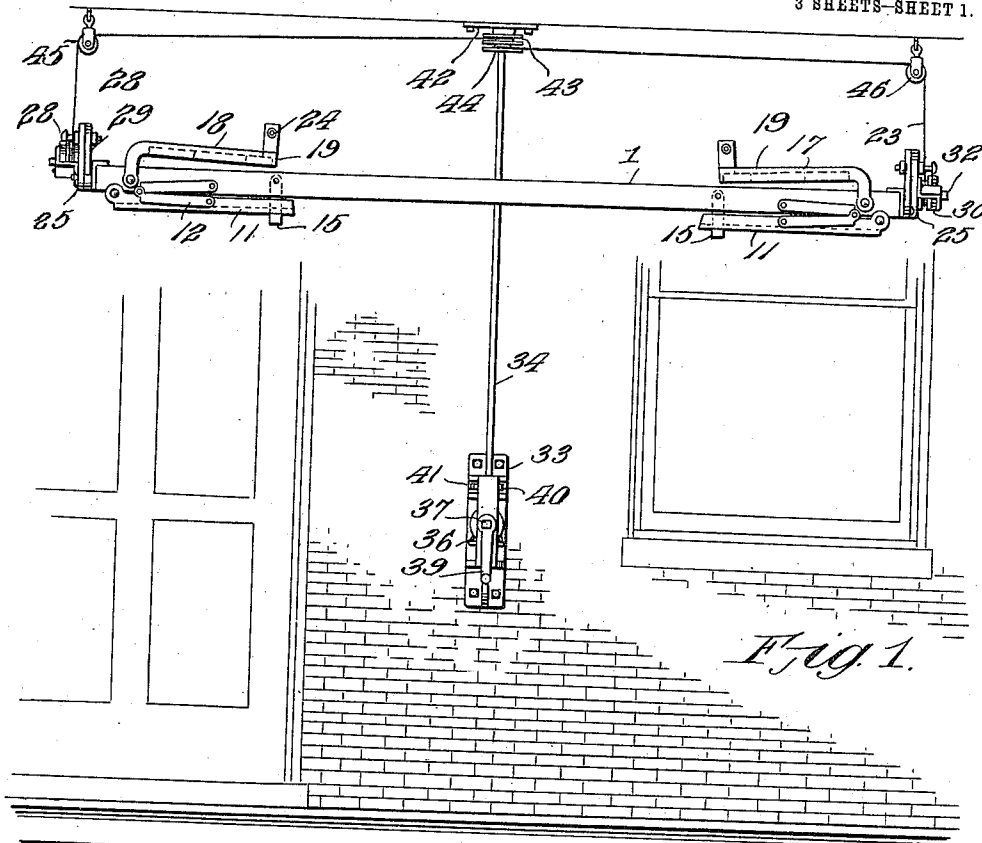


Fig. 1.

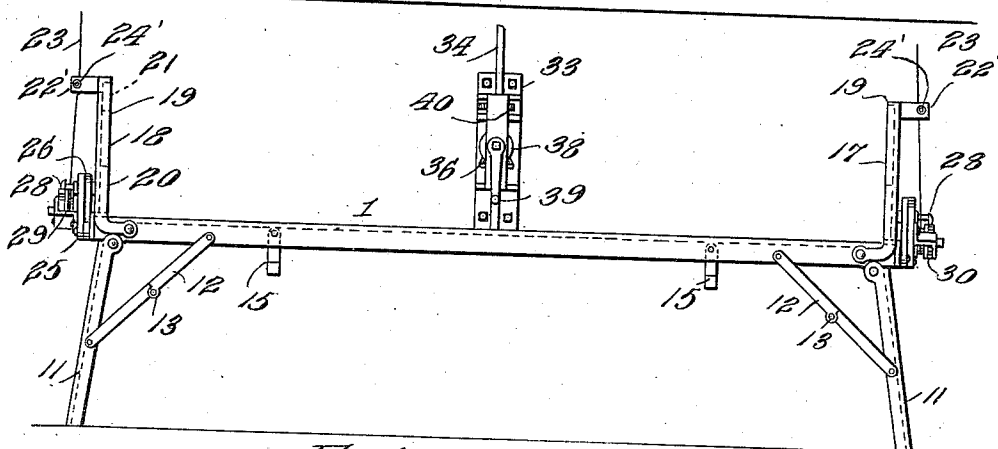


Fig. 2

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Witnesses

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3 SHEETS—SHEET 2.

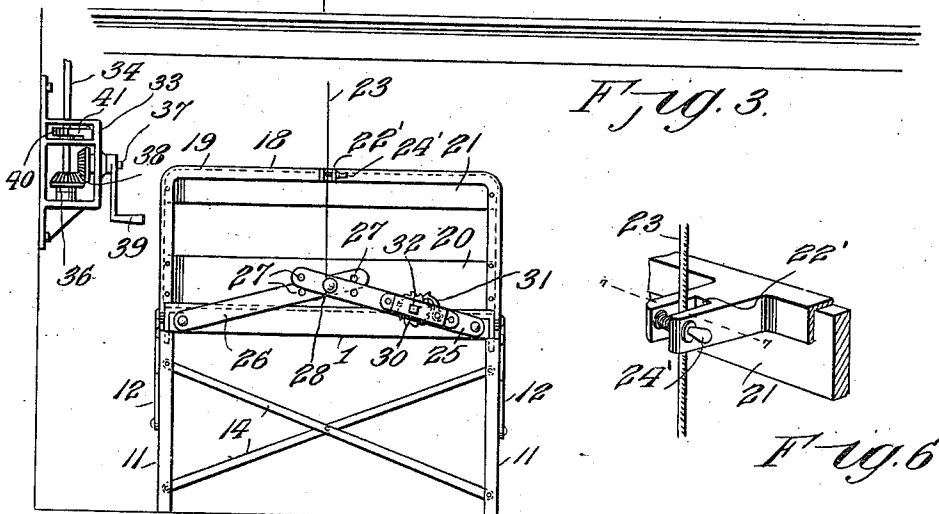
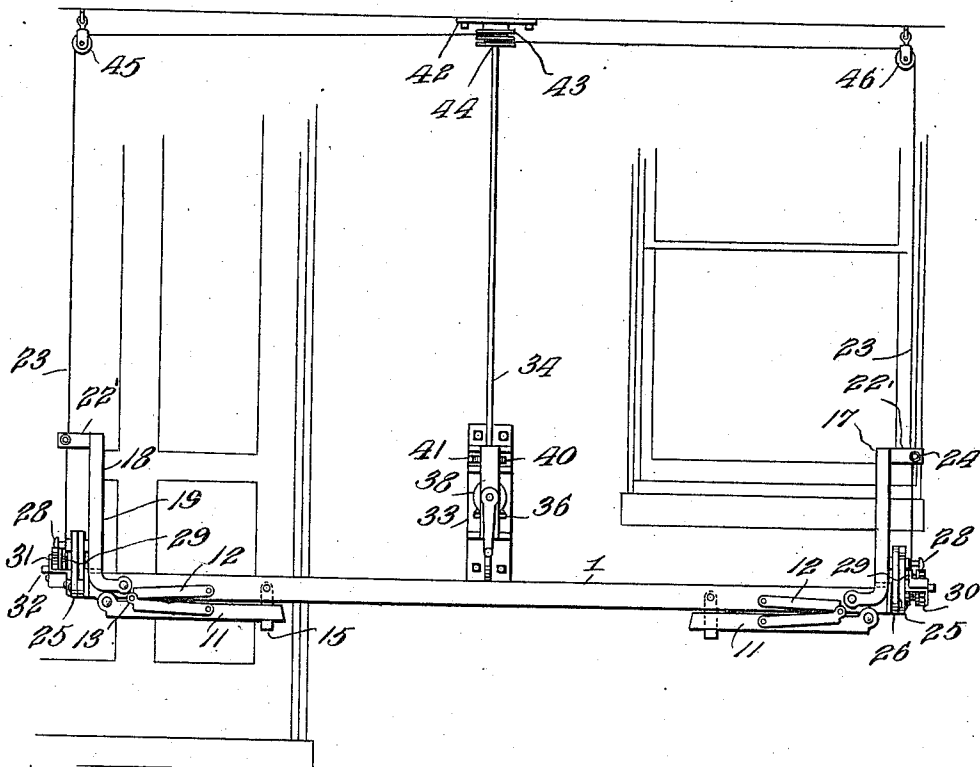


Fig. 9. *Elliott C. McCredy,* <sup>Inventor</sup>

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3 SHEETS-SHEET 3.

Fig. 4.

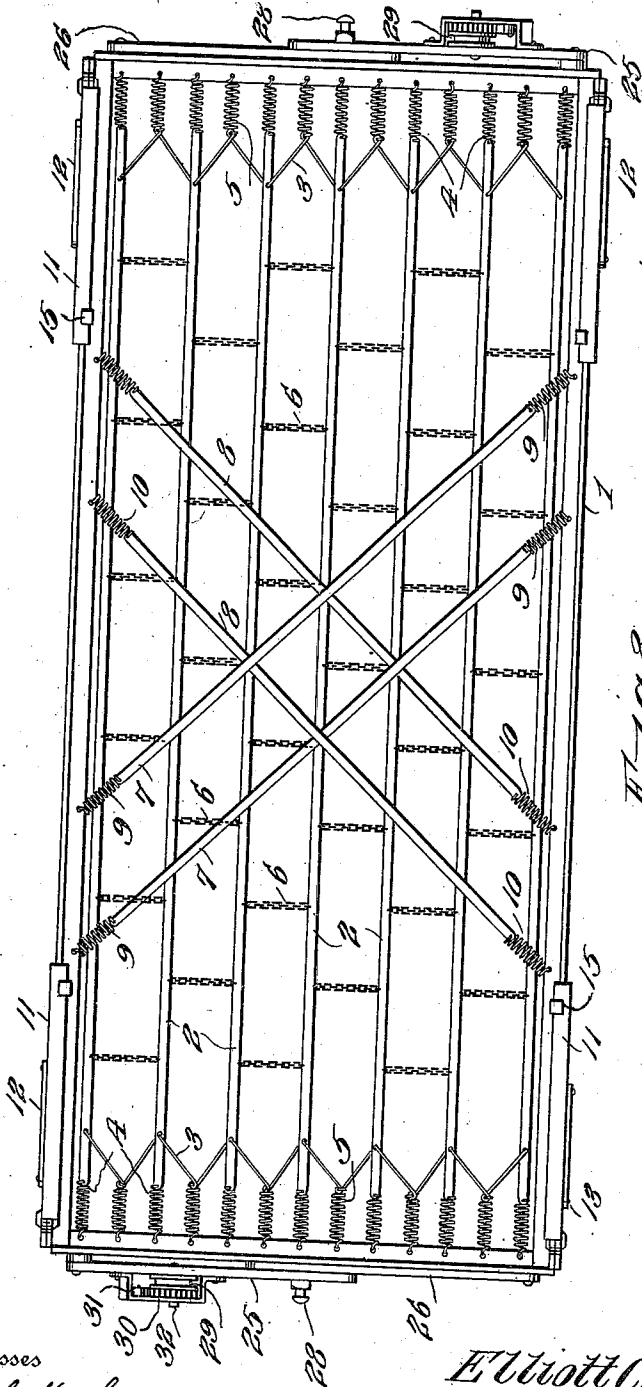


Fig. 5.

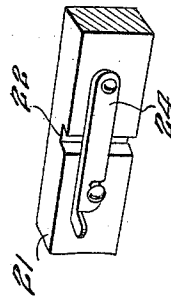


Fig. 8.

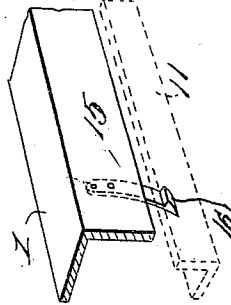
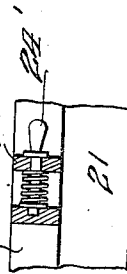


Fig. 7.



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# UNITED STATES PATENT OFFICE.

ELLIOTT C. McCREDY, OF CLIFTON SPRINGS, NEW YORK.

## COMBINED HAMMOCK AND COT.

989,383.

Specification of Letters Patent. Patented Apr. 11, 1911.

Application filed December 21, 1910. Serial No. 598,502.

### *To all whom it may concern:*

Be it known that I, ELLIOTT C. McCREDY, a citizen of the United States, residing at Clifton Springs, in the county of Ontario and State of New York, have invented new and useful Improvements in Combined Hammocks and Cots, of which the following is a specification.

This invention relates to a combined hammock and cot, primarily intended for use upon porches or the like and the principal object of the invention is the provision of a device of this character which may be readily converted from a hammock to a cot or vice versa, which may be readily elevated when the porch is to be cleaned or when the hammock or cot is not in use, which may be snugly positioned against the ceiling of the porch and thus effectively protected from the elements, and which may be retained as a permanent fixture to the porch if desired.

With the above objects in view and others which will appear as the description progresses, the invention resides in the novel construction and arrangement of parts hereinafter fully described and claimed.

In the accompanying drawings, Figure 1 is a front elevation of the device, the same being shown in its raised position. Fig. 2 is a similar view, the device being lowered and employed as a cot. Fig. 3 is a similar view with the device employed as a hammock. Fig. 4 is a top plan view of the cot or hammock bottom. Fig. 5 is a detail perspective view of a portion of one of the ends of the frame, showing one form of cable retaining means. Fig. 6 is a similar view showing a second means for retaining the cable. Fig. 7 is a sectional view on the line 7-7 of Fig. 6. Fig. 8 is a detail perspective view illustrating the manner of sustaining one of the legs when raised. Fig. 9 is a rear elevation of the device.

The improved device is primarily intended for use by invalids or other persons desirous of sleeping or reposing out of doors and the device in this specification will be referred to as positioned upon the porch of a dwelling, but it is obvious that the same may be sustained in any desired place, such as a room, office or the like, the device being provided with means whereby the same may be easily elevated and positioned out of

danger of contact of persons passing through the room.

In the drawings, the numeral 1 designates the frame of the hammock or cot. This frame may be constructed of wood, metal or any other desired material, the same being preferably of a rectangular formation and the springs or mattress supports are preferably integrally formed with the frame. The mattress support comprises a plurality of longitudinally extending bars 2, the same being formed adjacent their opposite ends each with a pair of spaced eyes, and the inner eyes are adapted to receive a flexible member 3, the latter being connected with the end longitudinal bars. The eyes adjacent the ends of the bars 2, are adapted for the reception of helical springs 4, the said springs having their free ends secured to the transverse bars of the frame 1. The numeral 5 designates similar springs. These springs have one of their ends connected with the transverse bars of the frame and their opposite ends secured to the flexible element 3 between each of the longitudinal bars 2. By this arrangement it will be noted that the bars 2 are resiliently supported between each pair of bars. The spaced bars 2 have their intermediate portions connected through the medium of a plurality of coupling chains 6, while the central portion of the bars is supported by oppositely disposed angularly arranged slats 7 and 8. The slats 7 are inclined in one direction and have their extremities formed with eyes adapted for the reception of springs 9. These springs are connected with the longitudinal bars of the frame 1. The slats 8 extend at an opposite inclination to the slats 7, and the said slats 8 have their opposite ends each formed with eyes, the same being adapted for the reception of the helical springs 10, and these springs have their free ends secured to the longitudinal members of the frame 1.

The under face of the frame 1 adjacent the opposite transverse ends thereof is provided with pivoted legs or support 11, four in number, and the said legs are sustained in their lowered position through the medium of suitable pivoted braces 12. Each of the braces 12 comprises a pair of members and the coacting members are connected through the medium of a rule joint 13, so that when the said braces are spread, acci-

dental breaking of the joint 13 is prevented. The legs 11 are also provided with transversely arranged slats 14, the latter being adapted to sustain the said legs at all times  
 5 in proper spaced relation with each other to prevent the spreading of the coacting pairs of legs.

When the device is to be employed as a hammock as illustrated in Fig. 3 of the  
 10 drawings, the legs 11 are elevated to prevent their contacting with the floor of the porch, and in order to sustain the same in their elevated position, I have provided spring catch members designated by the numerals 15. Each of these catch members has  
 15 its lower or offset arm provided with a substantially V-shaped projection 16. The upper inclined surface of the said V-shaped projections is adapted to contact with the  
 20 legs 11 to sustain the same in their swung position. The said V-shaped projections also provide for the ready release or downward swing of the legs when the device is to be employed as a cot.

25 The frame 1 adjacent its transverse edges is provided with a pivoted head and a pivoted foot board designated respectively by the numerals 17 and 18. These boards may be formed of any desired material and are  
 30 each of a similar construction. Each of the boards comprises substantially vertical members 19, the same being retained in spaced relation with each other through the transversely arranged bars 20 and 21. The upper  
 35 bar 21 has its outer face provided with an eye or recess 22, now Fig. 5, which is adapted for the reception of a cable 23 whereby the device is suspended from the top of the porch in a manner which will presently be  
 40 set forth.

The numeral 24 designates the catch which is adapted to cooperate with the recess 22 to sustain the cable within the said recess and at the same time retain the head or foot  
 45 board, through the medium of the said cable 23 in a raised or upright position. The catch 24 is preferably constructed of some resilient material and is, of course, positioned so as to close the eye or recess 22.  
 50 The catch illustrated in Figs. 6 and 7 comprises a plate 22' having offset bifurcated arms and the extremity of the said arms are normally closed through the medium of a spring pressed catch or pin 24'. It is obvi-  
 55 ous that when the catch is brought out of engagement with the eye or recess, either the head or foot board may be folded upon the frame 1.

The numerals 25 and 26 designate the  
 60 hanger arms of the device. These hanger arms are arranged adjacent the outer faces of the head and foot boards, and the said arms are inclined toward each other and have their ends one overlapping the other.  
 65 The overlapping portions of the arms are

each provided with spaced openings 27. These openings are arranged in series and the openings of one of the arms are adapted to register with the openings of the second arm and to receive a removal securing ele-  
 70 ment 28. By this arrangement it will be noted that the pivoted arms may be swung and sustained at various heights in relation to the frame. The member 28 is provided with a head and a round depressed portion  
 75 and the said depressed portion is adapted to engage the cable 23.

One of the arms, say 25, is provided with a drum 29 upon which the free extremity of the cable 23 is wound. The drum 29 is  
 80 provided with a ratchet wheel 30 and the arm 25 is provided with a spring actuated dog 31 which engages the wheel 30 to prevent the rotation of the drum in one direc-  
 85 tion. The shaft or trunnion of the drum 29 is formed with a non-circular extension 32, the latter being adapted for the reception of a suitable removable handle, wrench or the like, whereby the drum may be revolved to take up slack in the cable 23.  
 90

The numeral 33 designates a suitable substantially rectangular bracket. This bracket has its upper connecting arms formed with alining openings and its lower arm pro-  
 95 vided with a depression or pocket. The openings and pocket are adapted to receive a shaft 34. This shaft is provided with a toothed wheel 36 arranged within the bracket 33, and the outer connecting member of the bracket is provided with an opening  
 100 adapted to serve as a bearing for a longitudinally extending shaft 37. The shaft 37 is adapted to carry a beveled wheel 38, the same meshing with the beveled toothed wheel 36 and the outwardly projecting por-  
 105 tion of the shaft 37 is provided with a suitable handle 39.

The numeral 40 designates a ratchet wheel carried by the shaft 34, and 41 designates a pawl carried by the bracket 33 which is  
 110 adapted to coact with the ratchet wheel 40 and prevent movement thereof in one direction. It is, of course, to be understood that the pawl 41 may be readily thrown out of engagement with the wheel 40 so as to allow  
 115 the shaft 34 to be rotated in either direction when desired.

The upper extremity of the shaft 34 is supported in a bearing 42, the latter being preferably secured to the top of the porch.  
 120 The shaft 34 adjacent the bearing 42 is provided with a pair of drums 43 and 44. Positioned directly above the opposite ends of the frame 1 are pulleys 45 and 46. These pulleys are adapted to receive the cables 23  
 125 which are connected with the hanger arms of the head and foot boards of the frame 1. The free extremities of the cables 23 are wound around the drums 43 and 44, and it will be obvious that by the manipulation of  
 130

the handle 39, the frame may be raised or lowered, as desired. It will be also obvious that the frame, through the medium of the pawl 41 may be sustained at any desired elevation so that the frame may be employed for a cot, swing or hammock as desired.

Having thus fully described the invention, what I claim as new, is:—

1. A combined hammock or cot comprising a frame, head and foot boards pivotally connected with the said frame, cables supporting said frame and normally retaining the head and foot boards in raised position, a catch member carried by both the head and foot boards for sustaining the same upon the cables, hanger arms upon the frame, means upon the hanger arms for increasing or decreasing the length of one or both of the cables, and means for winding up or letting out cable to raise or lower the frame.

2. In a device for the purpose set forth, a frame, said frame being provided with a pivoted head and foot board, the upper portion of both the head and foot boards being formed with an eye, a spring catch normally closing the eye, a cable for each of the eyes, a pair of hanger arms upon each of the ends of the frame, a drum upon one of the hanger arms, a ratchet wheel for the drum, a pawl for the ratchet wheel, the drum upon each end of the frame being adapted to receive the cable, pulleys for

each of the cables, a shaft provided with drums for the pulleys, means whereby the shaft may be rotated, and means for preventing the rotation of the shaft.

3. In a device for the purpose set forth, a frame, said frame being provided with a pivoted head and a pivoted foot board, cables for supporting the frame, catch members upon both the head and foot boards, said catch members adapted to sustain the cables upon the head and foot boards, pivoted hanger arms upon the frames, each pair of said hanger arms being provided with a plurality of spaced openings, one of the hanger arms of each of the said pairs adapted to overlie the other, a removable securing element adapted to coact with the registering openings of the overlapping hanger arms, a drum for one of each pair of hanger arms, said drum adapted for the reception of a cable, each of said drums being provided with a shaft having an angular extension, a toothed wheel for each of the drums, a spring dog for each of the wheels, and separable means for winding or letting out the cable to raise or lower the frame.

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

ELLIOTT C. McCREDY.

Witnesses:

ERNEST A. MILES,  
LAWRENCE C. PARKER.