

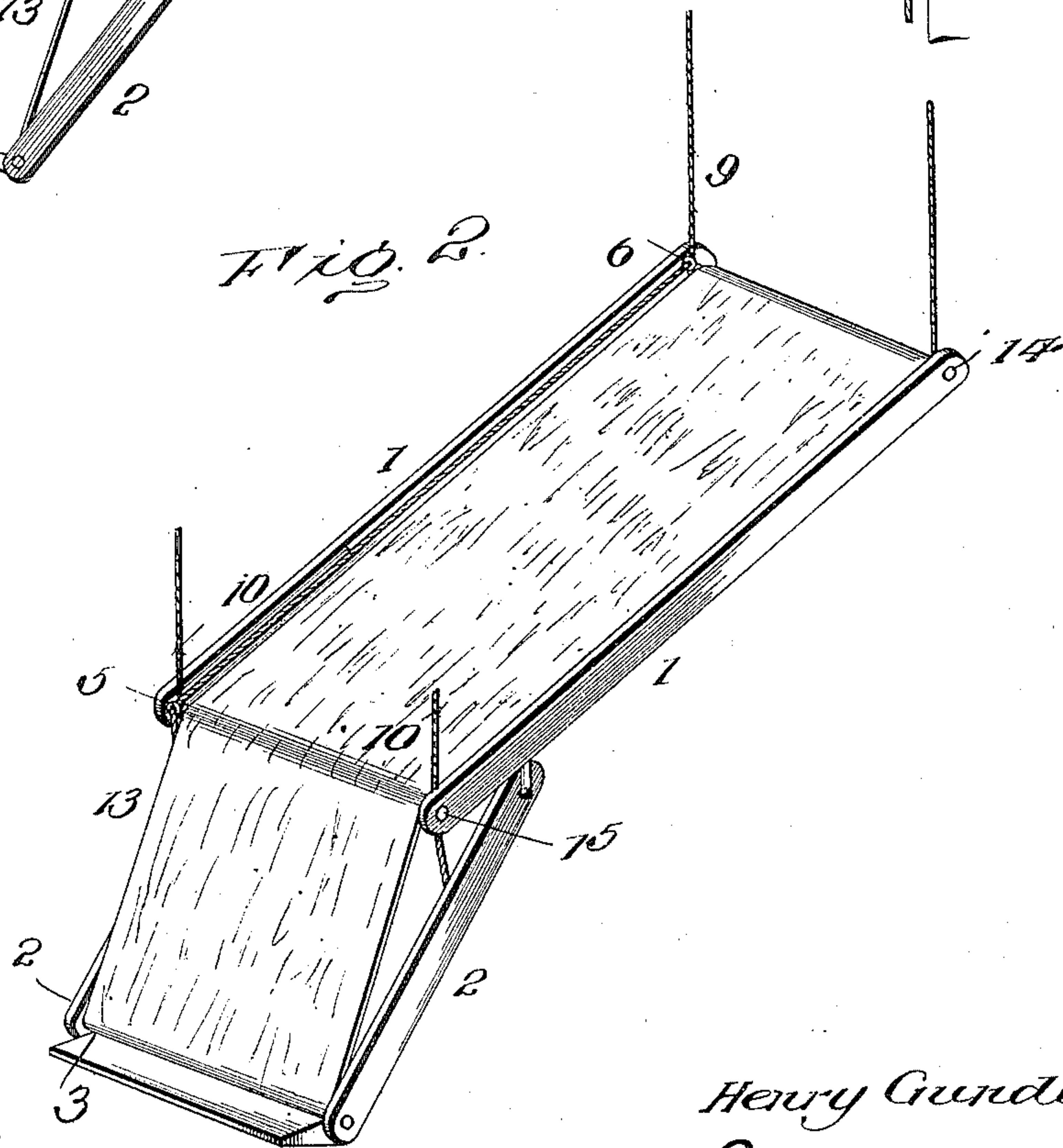
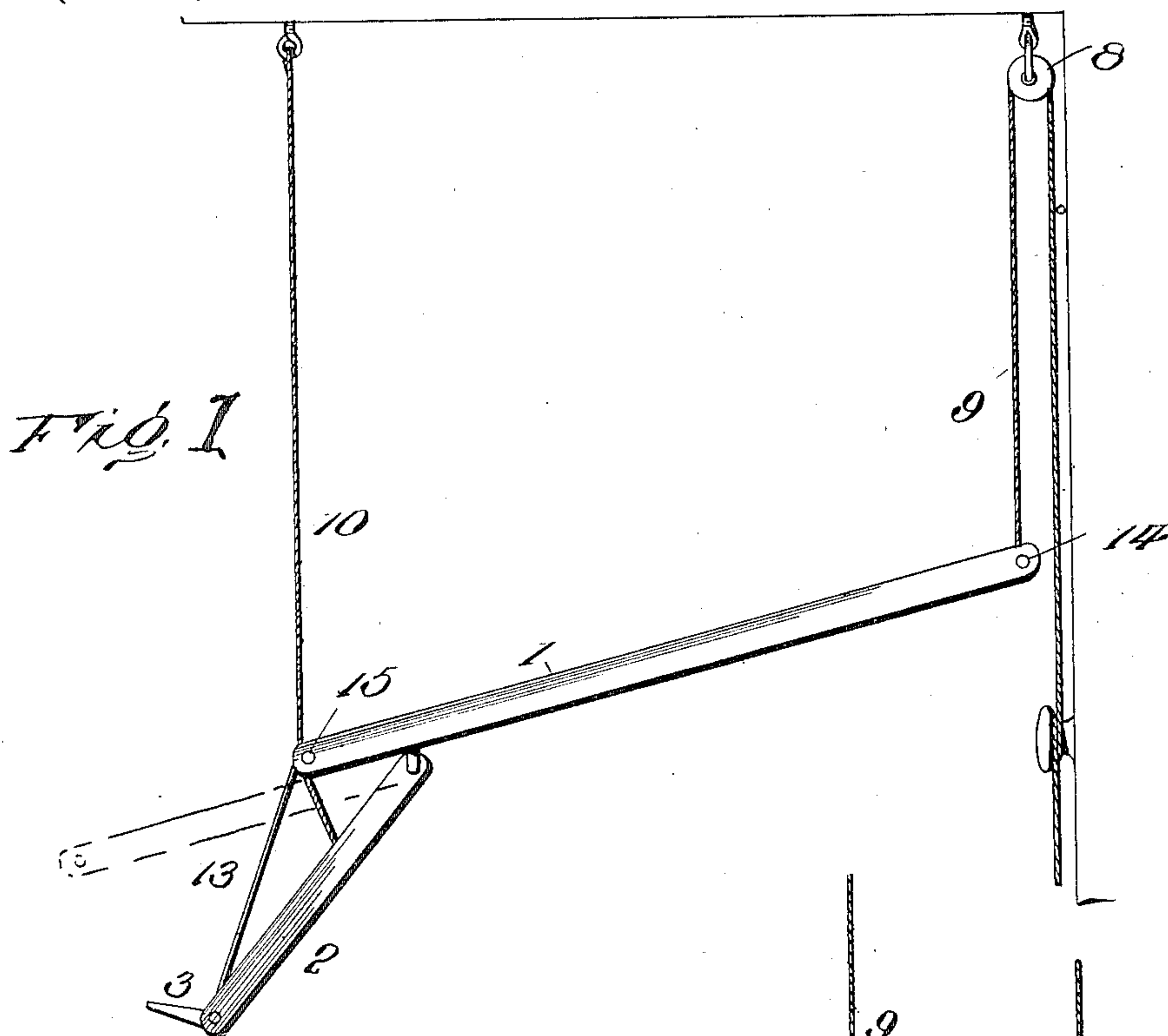
No. 656,639.

Patented Aug. 28, 1900.

H. GUNDLACH.
HAMMOCK.

(Application filed June 8, 1900.)

(No Model.)



Witnesses

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UNITED STATES PATENT OFFICE.

HENRY GUNDLACH, OF LA CROSSE, WISCONSIN.

HAMMOCK.

SPECIFICATION forming part of Letters Patent No. 656,639, dated August 28, 1900.

Application filed June 8, 1900. Serial No. 19,587. (No model.)

To all whom it may concern:

Be it known that I, HENRY GUNDLACH, a citizen of the United States, residing at La Crosse, in the county of La Crosse and State of Wisconsin, have invented certain new and useful Improvements in Hammocks; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention has relation to hammocks and analogous devices designed to support the occupant in either a sitting or a recumbent position and admit of a swaying movement.

The present invention provides a sectional hammock comprising a body portion and a leg-section, the latter having pivotal or hinge connection with the body portion and adapted to either aline therewith or to occupy a pendent position.

The purpose of the invention is to dispose the parts and connect them in such a manner as to utilize the weight of the occupant to hold the leg-section elevated or in line with the body portion.

With these and other objects in view the invention consists, essentially, of the novel features, details of construction, and combination of the parts which hereinafter will be more particularly set forth, illustrated, and finally embodied in the claims.

Referring to the drawings forming a part of the application, Figure 1 is a side elevation of a hammock constructed in accordance with and embodying the essential features of the invention, the full lines indicating the relation of the leg-section when pendent and the dotted lines showing the position of the leg-section when elevated or caused to aline with the body-section. Fig. 2 is a perspective view thereof.

Corresponding and like parts are referred to in the following description and indicated in the views of the drawings by the same reference characters.

As previously stated, the hammock is composed of two sections having pivoted or hinged connection, each section consisting of a frame. The body portion or section of the hammock comprises side bars 1 and end bars 14 and 15 and is of oblong and rectangular shape. The leg-section consists of side bars

2 and an end bar 3, the latter constituting a foot-rest and having an offstanding portion. The side bars 2 of the leg-section are pivoted or hinged to the side bars 1 a short distance from the extremities of the latter and are limited in their upward movement by the projecting portions of the side bars 1 beyond the pivotal or hinged connection 4. The fabric or textile 13 constituting the body of the hammock is secured at one end to the cross-bar 14 and at its opposite end to the foot-rest 3 and passes over the cross-bar 15. By reason of arranging the hammock in this manner any weight imposed upon the body portion will tend to elevate the leg-section because of the upward pull or stress upon the lower end thereof occasioned by the hammock passing over the cross-bar 15.

The suspending means for the hammock consist of ropes or like parts 10, attached at their lower ends to the bottom portion of the body-section and secured at their upper ends to the ceiling, canopy, or other elevated supporting means conveniently at hand. Ropes or cords 9 have one end secured to a support in any desired manner and pass over pulleys 8, secured to the ceiling or like part, thence downward and through guide-eyes or pulleys 6, applied to the upper end of the body-section, thence along the side bars 1, through guide-eyes or pulleys 5 at the lower end of said body-section, thence downward and attached to the side bars 2 at a point between their ends. The leg-section by reason of its weight normally hangs pendent and causes a corresponding elevation of the head portion of the body-section. Upon exerting a downward pressure upon the body portion of the hammock the head part is depressed, and pulling upon the ropes or cords 9 causes the lower end of the leg-section to rise, as indicated by the dotted lines in Fig. 1 and as will be readily comprehended. The devices constitute fixed supports, whereas the vertical portions of the ropes 9 constitute variable supports because of their relative lengthening and shortening, accordingly as the hammock is burdened or relieved of the superimposed weight. The upper end of the ropes 9 may be adjustably connected with the support to vary the relative inclination of the hammock, the latter turning upon its con-

nection with the suspending means 10. Two forces combine to elevate the foot-rest 3 or lower end portion of the leg-section. One of the forces is the result of the tightening of the hammock when the person reposes or sits thereon and the other force is the resultant of the lowering of the head portion of the hammock when the latter receives the load or weight of the person. As the head portion of the hammock descends under the stress of weight placed thereon, the ropes or cords 9 slip through the eyes 5 and 6 and over the pulleys 8 and exert an upward pull upon the side bars 2 and elevate the lower end of the leg-section.

Various changes in the form, proportion, and minor details of construction may be resorted to without departing from or sacrificing any of the advantages thereof.

Having thus described the invention, what is claimed as new, and desired to be secured by Letters Patent, is—

1. A hammock comprising a body portion, relatively-fixed supports for the lower end of the hammock, a leg-section hingedly connected to the lower portion of the body-section a short distance from the lower extremity thereof, guides at the ends of the body por-

tion, elevated pulleys, and ropes secured at one end to the leg-section between its ends and passing through the guides at opposite ends of the body portion, thence upwardly over the said elevated pulleys and secured at their opposite ends, substantially as set forth.

2. A hammock comprising a rectangular-shaped frame, a leg-section of approximately-rectangular form and hingedly connected with the lower portion of the body-section, a textile attached at its extremities to the terminal cross-bars of the said frames and passing over the lower cross-bar of the main frame, relatively-fixed supports for the lower end of the main frame, guides at the ends of the body-section, elevated pulleys, and ropes secured at one end to the leg-section between its ends and passing through the guides at opposite ends of the body-section, thence upwardly over the said elevated pulleys and secured at their opposite ends, substantially as specified.

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

HENRY GUNDLACH. [L. S.]

Witnesses:

HERMAN F. NEUMANN,
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