

949,135.

Patented Feb. 15, 1910.

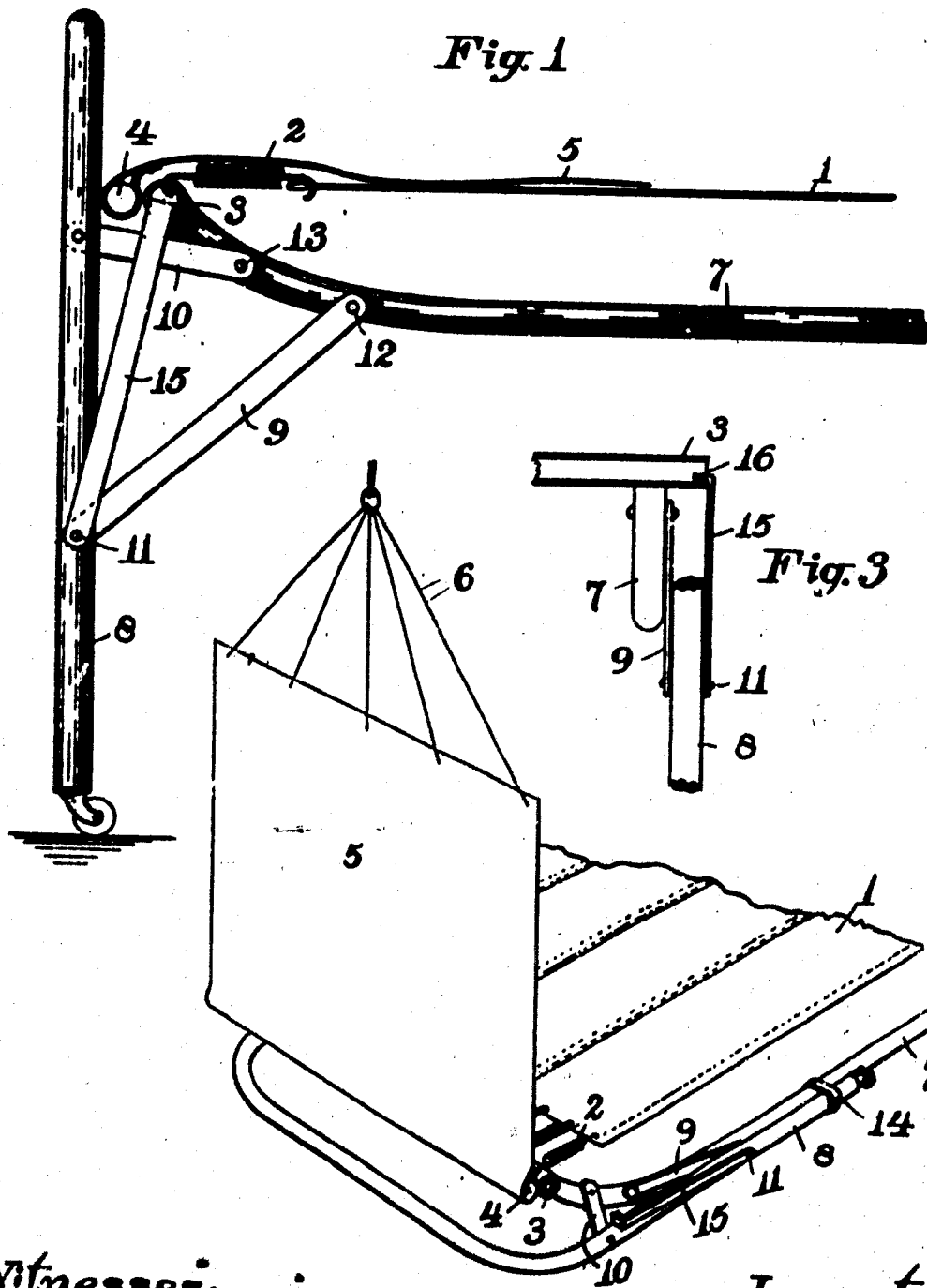


Fig. 2

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# UNITED STATES PATENT OFFICE.

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## HAMMOCK-BED.

949,135.

Specification of Letters Patent.

Patented Feb. 15, 1910.

Application filed August 2, 1909. Serial No. 510,329.

### To all whom it may concern:

Be it known that I, CLARENCE H. YOUNG, a citizen of the United States, residing at Rockland, in the county of Plymouth and Commonwealth of Massachusetts, have invented certain new and useful Improvements in Hammock-Beds, of which the following is a specification.

The object of this invention is the construction of a couch bed which can be readily converted into a swing-bed or hammock-bed. To this end, the ends of the couch-frame by which the mattress is supported are provided with suspension devices, preferably with the usual canvas wind-shields and ropes connected therewith, and at the same time with legs and heads capable of being easily folded up against the underside of the mattress or frame, or of being fixed in a vertical position for converting the same into a solidly supported couch.

Referring to the drawings forming part of this specification, Figure 1 is a side elevation of one end of a couch-bed standing upon the floor. Fig. 2 is a perspective view of one end of the hammock-couch when supported from above, and with the legs and heads folded up out of the way. Fig. 3 is a sectional detail view showing the locking device for locking the heads and legs in their vertical position.

The mattress 1 may be of canvas or duck, either with or without a stuffed mattress-laid thereon, and with its ends made taut by means of the tension springs 2 engaging the transverse tubular bar 2 at each end. Riveted or otherwise fixed to this tubular bar 3 is another bar or rod, preferably of wood 4, and usually termed a "dowel", about which is fastened the lower end or edge of the terminal wind-shield 5 suspended by suitable ropes or cords 6. As thus far described, this is in its hammock or swing-bed form.

To convert it into a couch-bed capable of standing upon a floor, each end of the frame which comprises the cross bars 3 and the longitudinal bars 7 rigidly attached together, and with the end-sections of the latter up-curved as shown, is provided with a combined head and legs consisting in each case of a single length of metal tubing bent into the shape of an inverted U. Each of said legs 8 is connected with its end of the side bars 7 by means of two links 9, 10; the short link 10 being pivoted to the leg close beneath the cross bar 3 and dowel 4, and to

the bar 7 not far from its juncture with the cross bar 3. The longer link 9 is pivoted to the leg at a point 11 considerably farther down, and to the side bar 7 at 12 farther from the pivot 11 of the short link. The relative lengths and the pivotal points of these links are so disposed that when the short links are close up to the bars 3 and dowels 4 and thereby supporting said parts and the bed-frame, the legs are in a vertical position, as illustrated in Fig. 1; and also their disposition is such that when the legs are swung inward and up against the underside of the bed-frame, said legs will occupy a horizontal position, as illustrated in Fig. 2, a collar or ring 14 being located on the front longitudinal or side bar 7 for the purpose of being slipped along to encircle the leg thereat and so retain the legs in such horizontal position.

Although the legs and head will retain their vertical position when standing upon the floor and supporting any appreciable weight upon the bed, yet to insure such position when the bed contains no weight and is being pushed about the floor, there is provided a lock or latch 15 for each end of the bed-frame, which is preferably pivoted upon the rivet or bolt 11 of one of the links 9 and formed with a spur 16 at its free end adapted to be springing onto the open end of the frame-tube 3, as indicated in Figs. 1 and 3. This latch keeps the short links 10 from swinging downward or away from the cross-bars 3, 4, and so locks the legs in their vertical position. To release the legs from these two latches, all that is needed is to disengage the spurs from the tubes 3 and then swing the legs inward.

When the bed is in use as a floor-supported couch, the wind-shields 5 are folded down upon the mattress as illustrated in Fig. 1.

Although the drawings show but one end of the couch-bed, it is evident that the other end is designed to be practically identical therewith; the single latch 15 may be duplicated for both legs of each end of the couch frame, but one such latch is sufficient for each pair of legs.

What I claim, and for which Letters Patent is desired, is as follows, to wit:—

1. A combined bed and hammock comprising a frame, a mattress supported thereby, flexible suspension means at the ends thereof, and legs at each end capable of being folded up beneath such frame and mattress.

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9. A combination bed and hammock comprising a frame, a mattress supported thereby, a folding suspension means at each end thereof, and a combined head and legs at each end of the frame adapted to be folded in and beneath said mattress to withdraw such heads within the boundaries of the frame-ends.

10 3. A combination bed and hammock comprising a frame, a mattress supported thereby, a folding suspension means at each end thereof, a combined head and legs at each end of the frame, links pivotally connecting the same with said frame to hold them in either a vertical or horizontal position, and locks for retaining the legs in either such position.

15 4. A couch-bed comprising a frame, the

bars of which are of metal tubing, with the side bars curved upward at their junctures 20 with the cross-bars, a combined head and legs for each end of said frame, two links pivoted to each leg and to the side bars, one of which links is short and the other long and disposed to hold the legs in either a vertical position or a horizontal position, and latches pivoted to the legs and formed at their free ends with a spur adapted to engage the open ends of the cross bars. 25

In testimony that I claim the foregoing invention, I have hereunto set my hand this 31st day of July 1909. 30

CLARENCE H. YOUNG.

Witnesses:

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