

No. 652,158.

Patented June 19, 1900.

J. K. P. BEARD.

BED.

(Application filed Oct. 18, 1899.)

(No Model.)

Fig. 1.

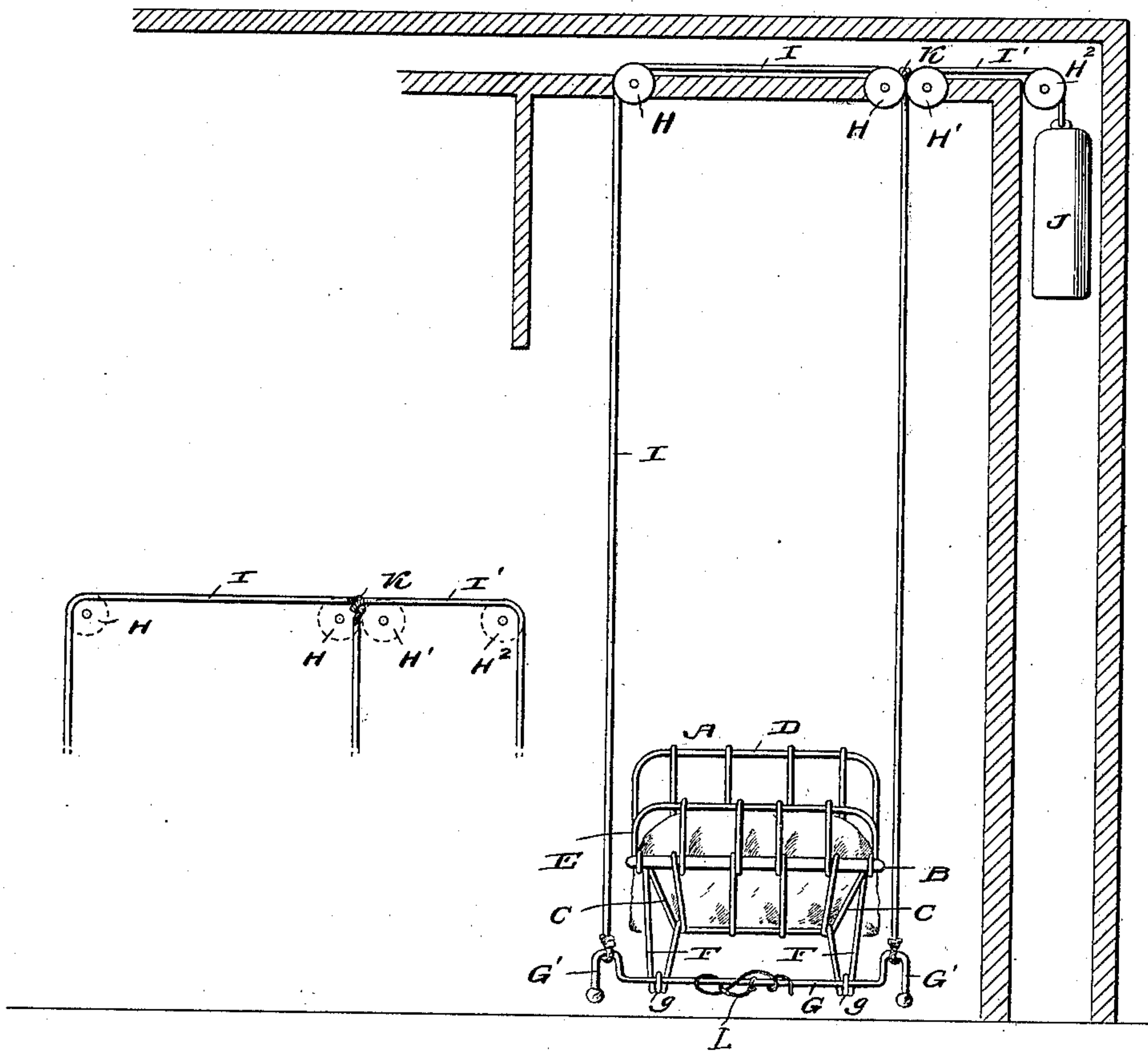


Fig. 2.

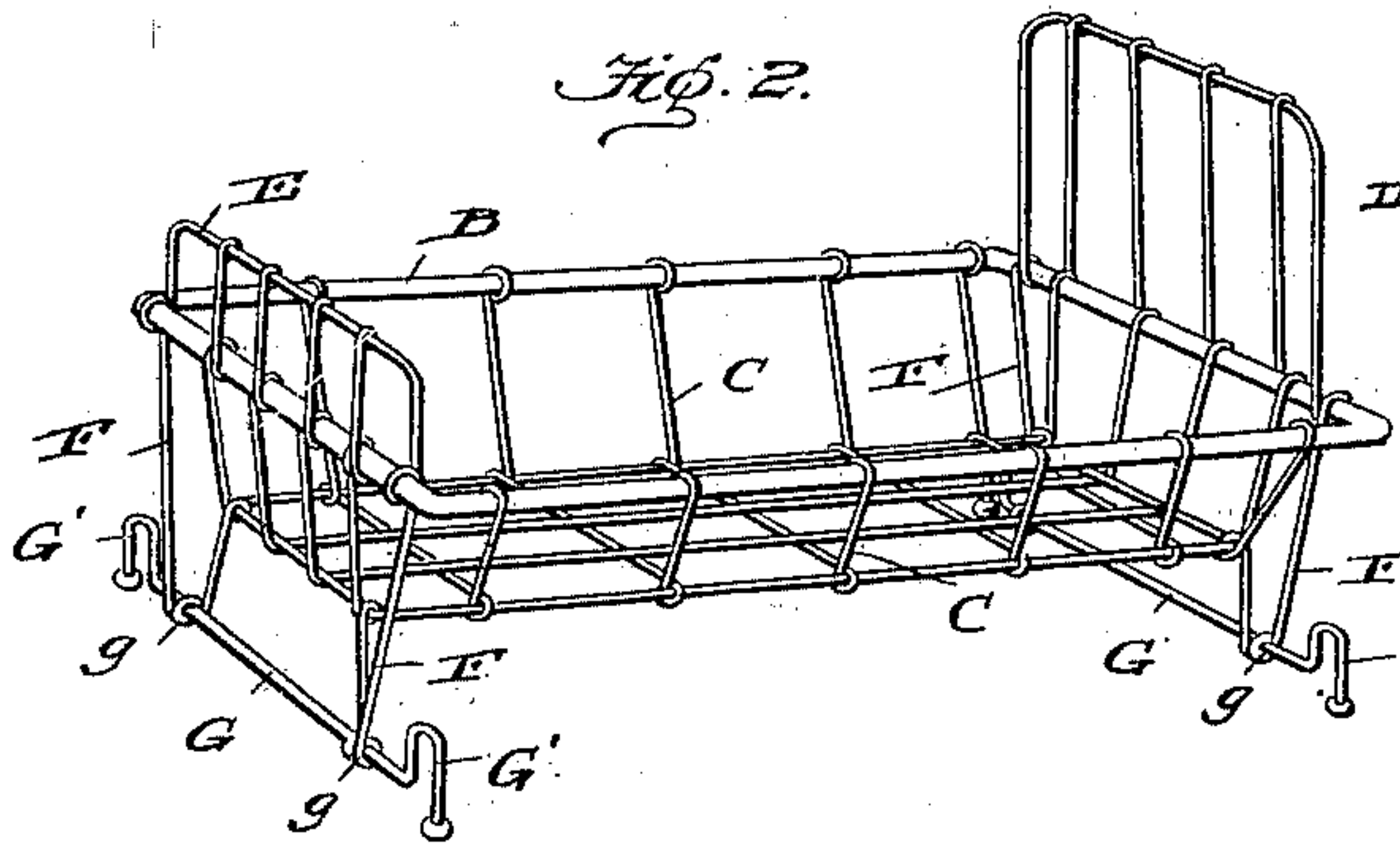
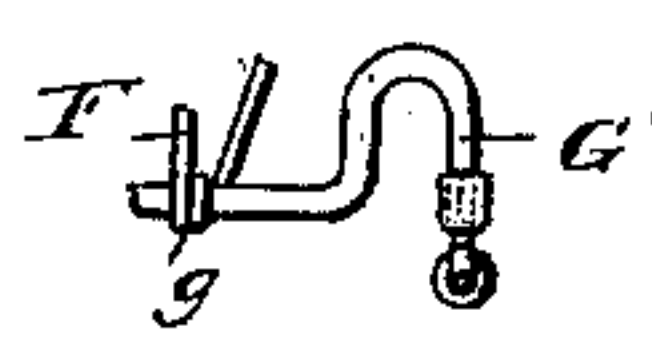


Fig. 3.



Witnesses:

Wm. C. Ashiee
Herbert D. Lawson

Inventor

J. K. P. Beard,
by Eden Bros.
Attys.

UNITED STATES PATENT OFFICE.

JAMES K. P. BEARD, OF GADSDEN, ALABAMA.

BED.

SPECIFICATION forming part of Letters Patent No. 652,158, dated June 19, 1900.

Application filed October 18, 1899. Serial No. 733,985. (No model.)

To all whom it may concern:

Be it known that I, JAMES K. P. BEARD, a citizen of the United States, residing at Gadsden, in the county of Etowah and State of Alabama, have invented certain new and useful Improvements in Beds; 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 relates to new and useful improvements in beds, &c.; and its object, among other things, is to provide a device of simple, durable, and light construction, adapted to be normally suspended above the floor, whereby pestiferous insects may be practically excluded therefrom, and to provide means of peculiar construction whereby the device may be raised quickly or lowered, as desired.

To these ends the invention consists in the novel constructions and combinations of parts hereinafter more fully described and claimed, and illustrated in the accompanying drawings, showing the preferred form of my invention, and in which—

Figure 1 is a detail view showing a bed suspended within a room. Fig. 2 is a detail view of a bed detached.

Referring to said figures by letters of reference, A is a bed, provided with a side bar B, preferably of metal tubing and passing around the four sides of the bed. At regular intervals on this bar are wires C, which drop down a certain distance and then extend across the bed, as shown, and are interwoven with each other, forming the bed-bottom. A suitable wire head and foot, as D and E, may be secured to or formed with the bed A. Fastened to each corner of the side bar B is one end of a V-shaped standard F, the opposite end of which is secured to the bed-bottom at the point of intersection of the two adjacent outer wires B.

At the foot and head of the bed a cross-bar G is passed through the loop *g* of the V-shaped standards and secured thereto, the ends of the bar G extending beyond the rail B and terminating in hooks G'. If desired, detachable casters may be provided at these points.

Any suitable means may be provided for suspending the device at a point above the level of the floor.

In Fig. 1 I show a device having two pulleys H, mounted within the ceiling of a room and upon which is mounted a rope or chain I, the ends of which are secured to the opposite ends of one of the cross-bars G. A third pulley H' is mounted adjacent to one of the pulleys H, as shown, and a fourth pulley H² is located within a shaft or vertical wall adapted to receive a vertically-movable weight. A rope I' is secured to rope I at a point on a line with the center of the passage between the pulleys H and H', and said rope I' then passes over the pulley H² into the shaft thereunder, a weight J being provided at the end thereof. A suitable stop, as K, may be secured to the ropes I and I' at their points of juncture, and said stop is of such size as to be unable to pass down between the pulleys H H'. The other cross-bar G is provided with mechanism similar to that above described.

It is obvious that the ends of the rope may, if desired, be detachably secured to the hooks G' of the cross-bars.

In operation the bed is raised by giving the same a push upward. The weight J will move downward within the shaft, the rope I will bend upon itself at its point of juncture with rope I', and said ropes will both travel upon the pulleys until the bed has reached the desired height. To lower the bed, it is merely necessary to draw the same downward, as by means of ropes or cords L, secured to the bottom thereof, or otherwise. The bed will continue to fall until the stops K reach the passes between the rollers H and H'. The bed will then hang suspended in a horizontal position. If necessary, any suitable means may be employed for retaining the bed in lowered position when not in use.

It is obvious that the rope I may be detached from the hooks G', if desired, and in such case the hooks G' will serve as legs for the bed.

It will be understood that I do not limit myself to the use of the herein-described means for suspending the bed, as wires hung from hooks in the ceiling may be substituted therefor. Also instead of employing a bed, as

herein shown, a platform, chair, hammock, lounge, or other similar device may be employed.

In the foregoing description I have shown
5 the preferred form of my invention, but I do not limit myself thereto, as I am aware that modifications may be made therein without departing from the spirit or sacrificing the advantages thereof, and I therefore reserve
10 the right to make such changes as fairly fall within the scope of my invention.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent, is—

15 1. In a device of the character described, the combination of a bed or body portion, cross-bars secured to standards thereof and having outwardly - extending ends, hooks formed by said ends, and suspending means
20 adapted to be secured to said hooks, substantially as described.

2. In a device of the character described,

the combination of a bed or body portion, cross-bars secured to standards thereof, combined hooks and legs formed at the ends of
25 said cross-bars and suspending means secured to said hooks and legs, substantially as described.

3. In a device of the character described, the combination of a bed or body portion,
30 comprising the side rails, depending wires secured thereto, V-shaped standards secured to said rails and wires, cross-bars secured to said standards, hooks formed at the ends of the cross-bars and suspending means adapted
35 to be secured to said hooks, substantially as described.

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

JAMES K. P. BEARD.

Witnesses:

ANGUS A. MCINTYRE,
J. H. SNIDER.