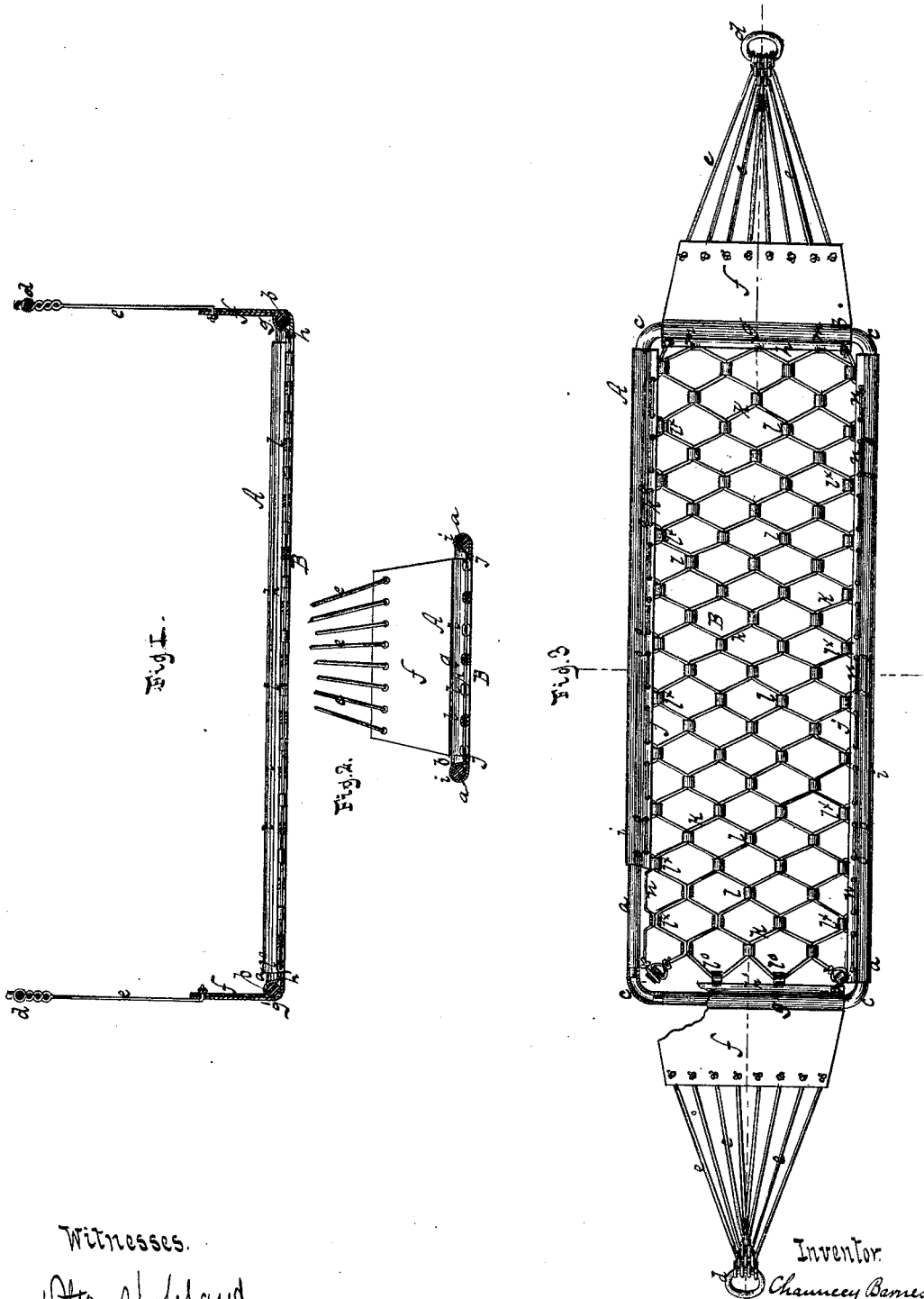


C. BARNES.
Hammocks.

No. 197,312.

Patented Nov. 20, 1877.



Witnesses.
Otto Hufeland
Chas. Wahlers.

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UNITED STATES PATENT OFFICE.

CHAUNCEY BARNES, OF SOUTH ORANGE, NEW JERSEY.

IMPROVEMENT IN HAMMOCKS.

Specification forming part of Letters Patent No. **197,312**, dated November 20, 1877; application filed July 19, 1877.

To all whom it may concern:

Be it known that I, CHAUNCEY BARNES, of South Orange, in the county of Essex and State of New Jersey, have invented a new and useful Improvement in Hammocks, which invention is fully set forth in the following specification, reference being had to the accompanying drawing, in which—

Figure 1 represents a longitudinal vertical section. Fig. 2 is a transverse section. Fig. 3 is a vertical plan, partly in section.

Similar letters indicate corresponding parts.

This invention consists in the combination of an elastic open-work bottom with a frame and with suspension-rings secured to the end bars of the frame, so that said frame can be readily suspended from hooks fastened in the ceiling of a room or in any other convenient place, and a hammock is obtained which requires comparatively little room and which can be used with great convenience. The elastic open-work bottom is secured to the frame by means of canvas tubes or sleeves, which fit the side and end bars of the frame, and are provided with flanges or wings, to which the elastic bottom is fastened. The means employed for fastening the edges of the elastic bottom to the sides of the frame consist of cords, which are drawn through loops in the elastic bottom, and through grommet-holes in the wings of the canvas sleeves, fitting the side bars of the frame, so that, by removing said cords, the bottom can be readily detached from the sides of the frame and rolled up with the end bars, the side bars being made detachable from the end bars for the purpose of reducing the bulk of the hammock in transportation.

In the drawing, the letter A designates a frame, which may be made of wood or any other suitable material, in the form of a rectangle, by preference with rounded corners, as shown in Fig. 3.

The side bars *a a* of this frame are connected to the end bars *b b* in such a manner that they can be readily detached. This purpose I have effected by means of tubular corner-pieces *c*, which fit over the ends of the side bars and end bars, being retained in position by the strain of the elastic bottom B, which will be presently described.

With the end bars *b b* of the frame A are combined suspension-rings *d*, so that the frame can be hung up within its own length, and thereby a hammock is obtained which is not liable to tip over, and which can be slung in a room, such as the state-room of a passenger vessel, or in a house, and which can also be conveniently used in the open air.

The connection between the suspension-rings *d* and the end bars *b b* of the frame A is effected by means of a series of cords, *e*, which extend through said rings, and are fastened in lappets *f* projecting from sleeves *g g'*, which are made of canvas, and embrace the end bars *b*. The canvas sleeves *g g'* are also provided with flanges *h h'*, and on the side bars *a* of the frame are fitted canvas sleeves *i*, which are provided with flanges *j*. The flanges *h, h', and j* of the canvas sleeves *g g' i* form the supports for the elastic bottom B.

In the example shown in the drawing, this bottom is constructed of a cord, *k*, which is drawn through a series of elastic loops, *l*, and secured at *m m m* to the flange *h* of the canvas sleeve *g*, while some of the loops *l° l°* are fastened to the flange *h'* of the canvas sleeve *g'*, on the opposite end of the frame A. The loops *l* l** on the sides of the bottom are fastened to the flanges *j j* of the side sleeves *i* by means of cords *n n*, which are drawn through grommet-holes *o* in said flanges, and through the loops. By withdrawing these cords the bottom B becomes detached from the side bars of the frame. These side bars can then be readily detached from the end bars, and said end bars, together with the bottom B and the suspension-rings *d*, can be rolled up in a comparatively small package, so that the whole device can be easily packed up for transportation.

My hammock can be used with great advantage in dwelling-houses and hospitals, in the open air, and on board of ships.

By means of the cords *e e* and lappets *f* all danger of upsetting the hammock in getting in and out is avoided, the hammock when ready for use can fill comparatively little room, and it can be easily taken apart and packed up in a convenient package.

What I claim as new, and desire to secure by Letters Patent, is—

1. A hammock composed of a frame, A, an

elastic open-work bottom, B, and suspension-rings *d*, cords *e e*, lappets *f*, and sleeves *g g'*, secured to the end bars of the frame A, substantially in the manner and for the purpose herein shown and described.

2. The combination, with the frame A, its end bars *b b*, and its side bars *a a*, of canvas sleeves *g g' i*, provided with flanges *h h' j*, to which the bottom B is secured by means of the cords *n*, substantially in the manner and for the purpose set forth.

3. The combination, with the frame A, its

detachable side bars *a a*, canvas sleeves *i*, and flanges *j*, of cords *n n*, passing through holes *o* in said flanges, and through the loops *l* l** of the bottom B, substantially as and for the purpose shown and described.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 13th day of July, 1877.

CHAUNCEY BARNES. [L. s.]

Witnesses:

W. HAUFF,

E. F. KASTENHUBER.