

(No Model.)

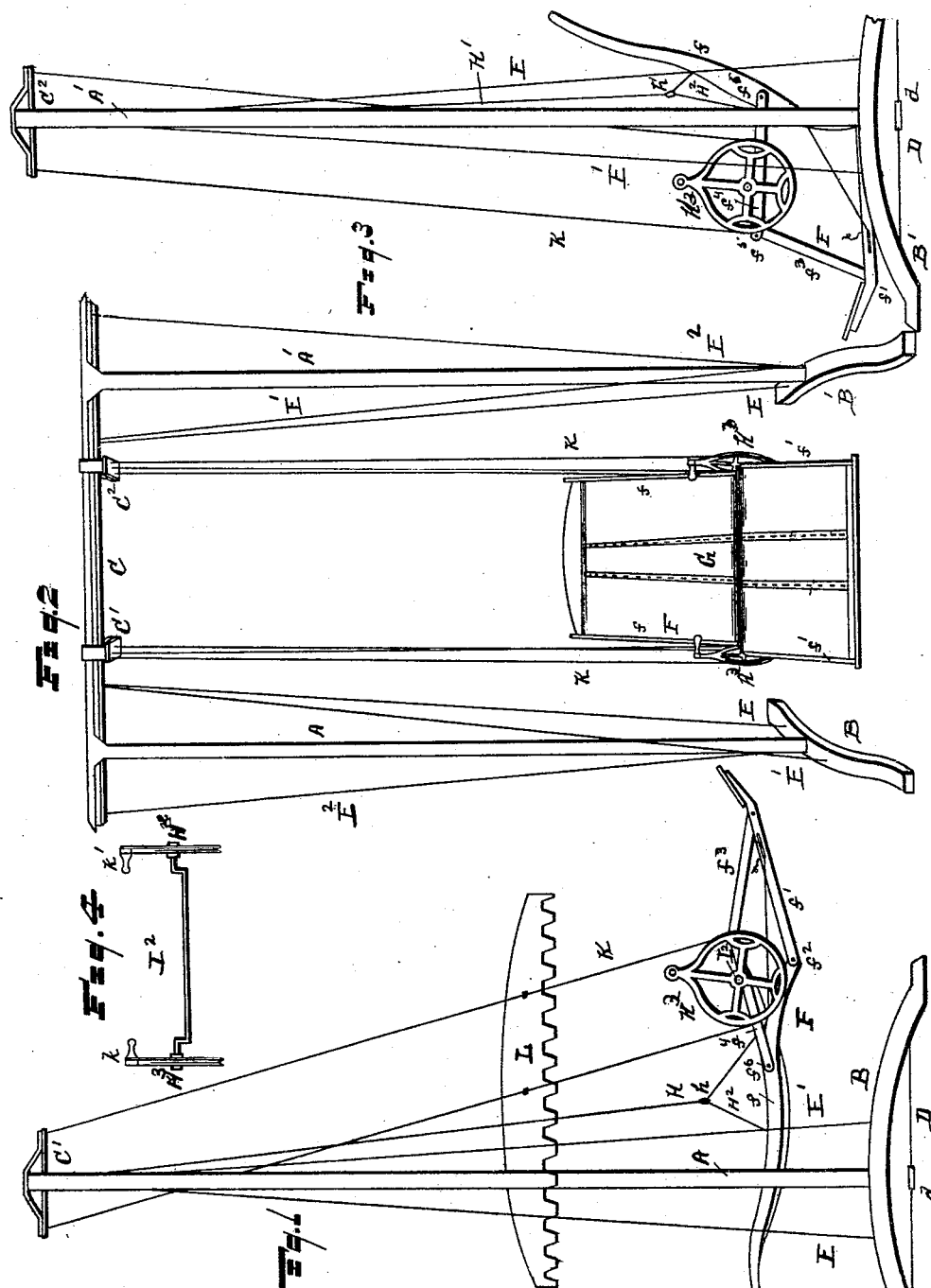
J. C. BACH, Dec'd.

H. BACH, Administratrix.

HAMMOCK CHAIR.

No. 454,248.

Patented June 16, 1891.



WITNESSES  
*Wm. S. Hays*  
*John F. Miller*

INVENTOR  
*Henrika Bach*  
Administratrix of the estate of John C. Bach.  
By *Wm. S. Wright*, her  
Attorney.

# UNITED STATES PATENT OFFICE.

HEINRIKA BACH, OF KILMANAGH, MICHIGAN, ADMINISTRATRIX OF JOHN C. BACH, DECEASED; SAID ADMINISTRATRIX ASSIGNOR TO HERSELF.

## HAMMOCK-CHAIR.

SPECIFICATION forming part of Letters Patent No. 454,248, dated June 16, 1891.

Application filed November 11, 1890. Serial No. 371,016. (No model.)

*To all whom it may concern:*

Be it known that I, HEINRIKA BACH, a citizen of the United States, residing at Kilmanagh, county of Huron, and State of Michigan, administratrix of the estate of JOHN C. BACH, deceased, as set forth in the accompanying petition, declare that the said JOHN C. BACH invented a certain new and useful Improvement in a Hammock-Chair; and I declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

The invention consists in the combinations of devices and appliances hereinafter set forth and claimed, and illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation showing the chair in a reclining position. Fig. 2 is a front elevation, and Fig. 3 is a side elevation, showing the chair in an upright position. Fig. 4 is a detail view of the pulleys  $H^2$   $H^3$  and connecting-bar  $I^2$ .

The invention is as follows: A and A' represent upright supporting-bars forming a part of a supporting-frame, said uprights united to bases B B', respectively, and to a cross-bar C at the top of the frame. The bases B B' are constructed as shown, the extremities being connected by a brace-rod D, which may be provided with a suitable tightening device, as shown at *d*. The cross-bar C is provided toward each extremity with cross-arms C' and C<sup>2</sup>, from which the chair is supported, and from which cross-bar C brace-rods E and E' extend downward and engage the respective bases B and B'. Another brace-rod E<sup>2</sup> connects each of said bases with the outer extremity of the cross-bar C. In this manner the frame-work forming the support for the hammock-chair is effectually strengthened and made firm.

The chair proper consists of a frame-work F, formed of arms *f f*, extending up the side of the back and jointly connected with foot-pieces *f' f'*, as at *f*<sup>2</sup>. With the foot-piece is also connected an arm *f*<sup>3</sup> on each side the chair jointly engaged with additional arms

*f*<sup>4</sup>, as shown at *f*<sup>5</sup>, the latter arms being jointly connected again with the arms *f f*, as shown at *f*<sup>6</sup>. G denotes a fabric engaged upon the arms *f f* downward to the joints *f*<sup>6</sup> and thence upon the arms *f*<sup>4</sup> and *f*<sup>3</sup> to the foot-piece.

Asso constructed and arranged, it is obvious that the chair is capable of assuming an upright or prostrate position, or any position intermediate an upright or horizontal position, as may be desired.

The chair is supported upon cords H H', united to the cross-arms C' and C<sup>2</sup>, respectively, said cords at their lower ends being provided with pulleys *h h'*, over which is passed a cord H<sup>2</sup>, united at its extremities to the arms *f*, and *f*<sup>4</sup>, as shown.

H<sup>3</sup> denotes pulleys journaled upon the right and left hand of the chair, as upon a bar I<sup>2</sup>, engaged upon the arms *f*<sup>4</sup>. Upon said pulleys are engaged cords K and K, extended over and about the pulleys, their extremities being engaged with the cross-arms C' and C<sup>2</sup>. Said pulleys are provided, preferably, with handles *k k'*, whereby the same may be readily operated by the occupant of the chair. In doing so it is evident that one end of the cords K K is shortened, while the other is lengthened, thereby imparting a swinging movement to the chair.

A canopy L is supported in any suitable manner over the chair, as by friction, the frame of the canopy being provided with eye-lets, through which the cords K K are passed and upon which the canopy is held by friction.

The bar I<sup>2</sup> is preferably bent down intermediate its ends, as shown in Fig. 4, so as to allow the fabric to settle and conform to the body of the occupant.

A cord M is provided, by means of which the chair may be retained in any desired position.

What is hereby claimed is—

1. In a hammock-chair, the combination, with the supporting-frame, of a jointed chair, ropes H H', secured with their upper ends to said support and provided at their lower ends with pulley-ropes H<sup>2</sup>, attached with their extremities to the back of said chair and engaging with their intermediate portions the

said pulleys, ropes K, secured to said support, and pulleys H<sup>3</sup>, secured to the forward portion of said chair and having attached thereto the said ropes K.

- 5 2. In a hammock-chair, the combination of a supporting-frame, a chair-frame consisting of arms  $f$   $f^3$   $f^4$  and foot-pieces  $f'$ , jointedly connected, as set forth, cords H<sup>2</sup> connected at their extremities with said arms  $f$  and  $f^4$ , and  
10 cords H H', respectively engaged with the supporting-frame and with said cords H<sup>2</sup> by

intervening pulleys, substantially as described.

In testimony whereof I sign this specification in the presence of two witnesses.

HEINRIKA BACH,

*Administratrix of the estate of John C. Bach, deceased.*

Witnesses:

JOHN RUMMEL,

JOHN G. KUNDINGER.