

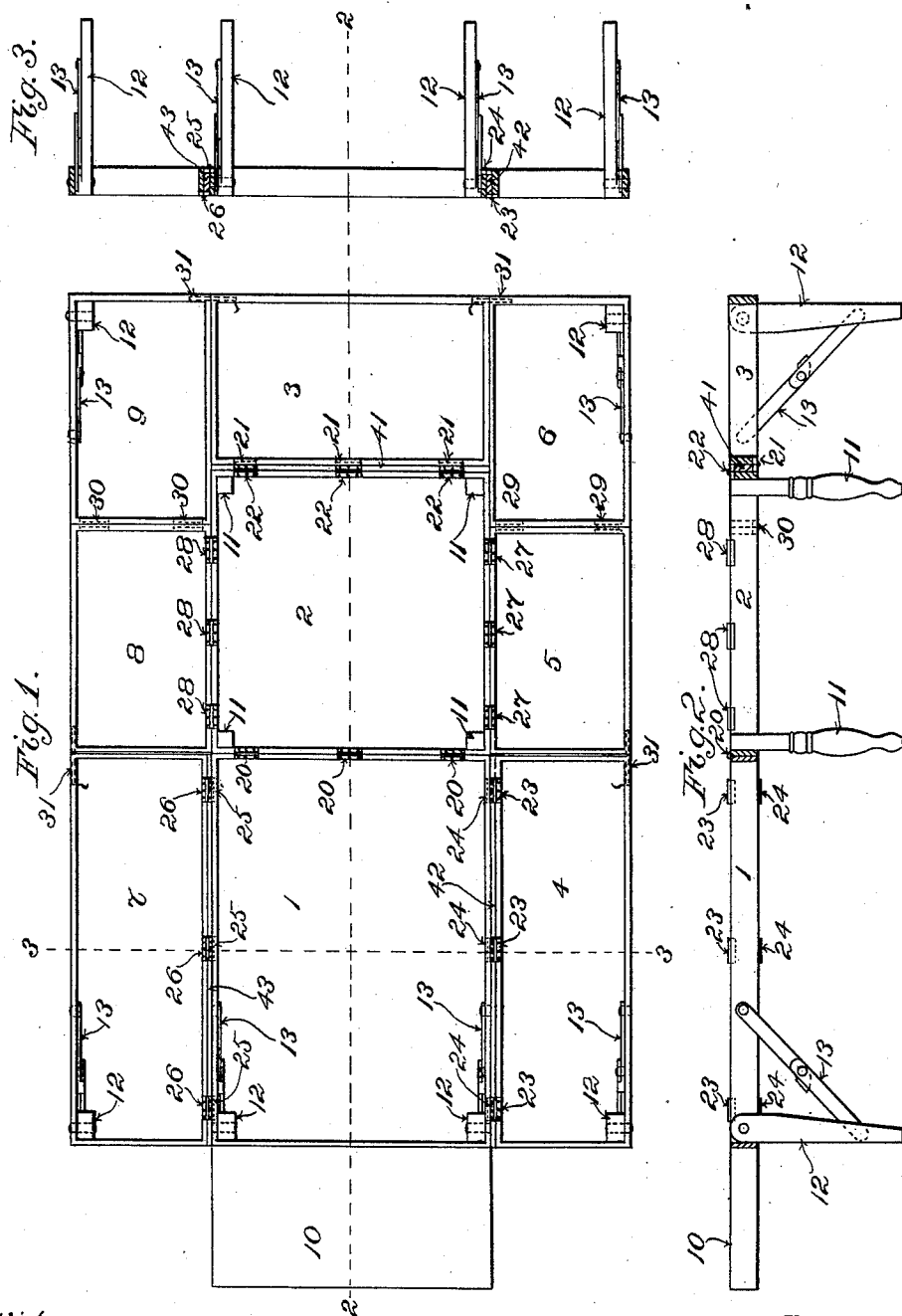
(No Model.)

3 Sheets—Sheet 1.

A. B. KINGET.
CONVERTIBLE CHAIR BED.

No. 580,134.

Patented Apr. 6, 1897.



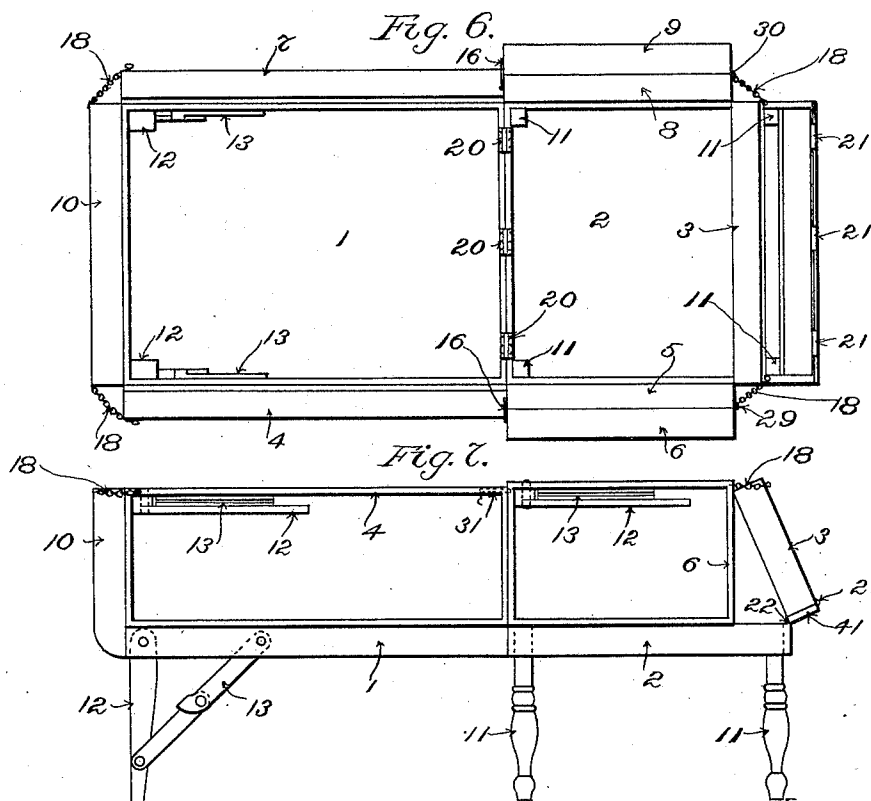
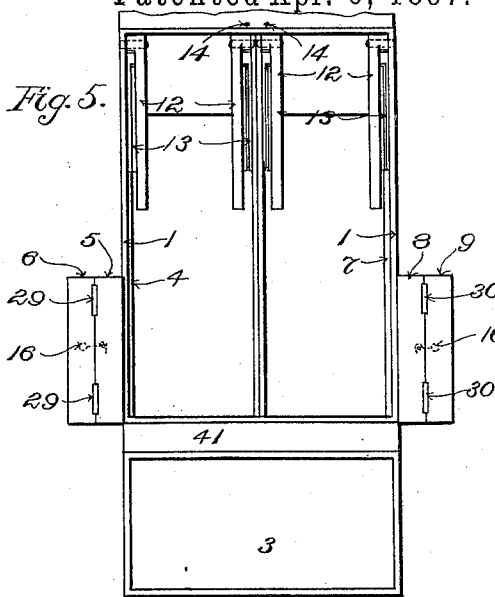
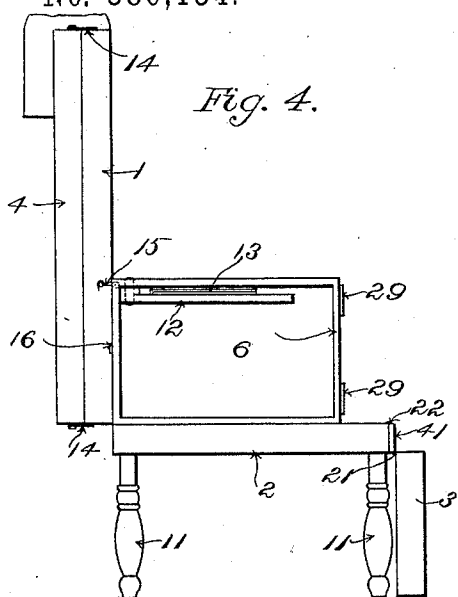
Witnesses:
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Alice H. Morrison

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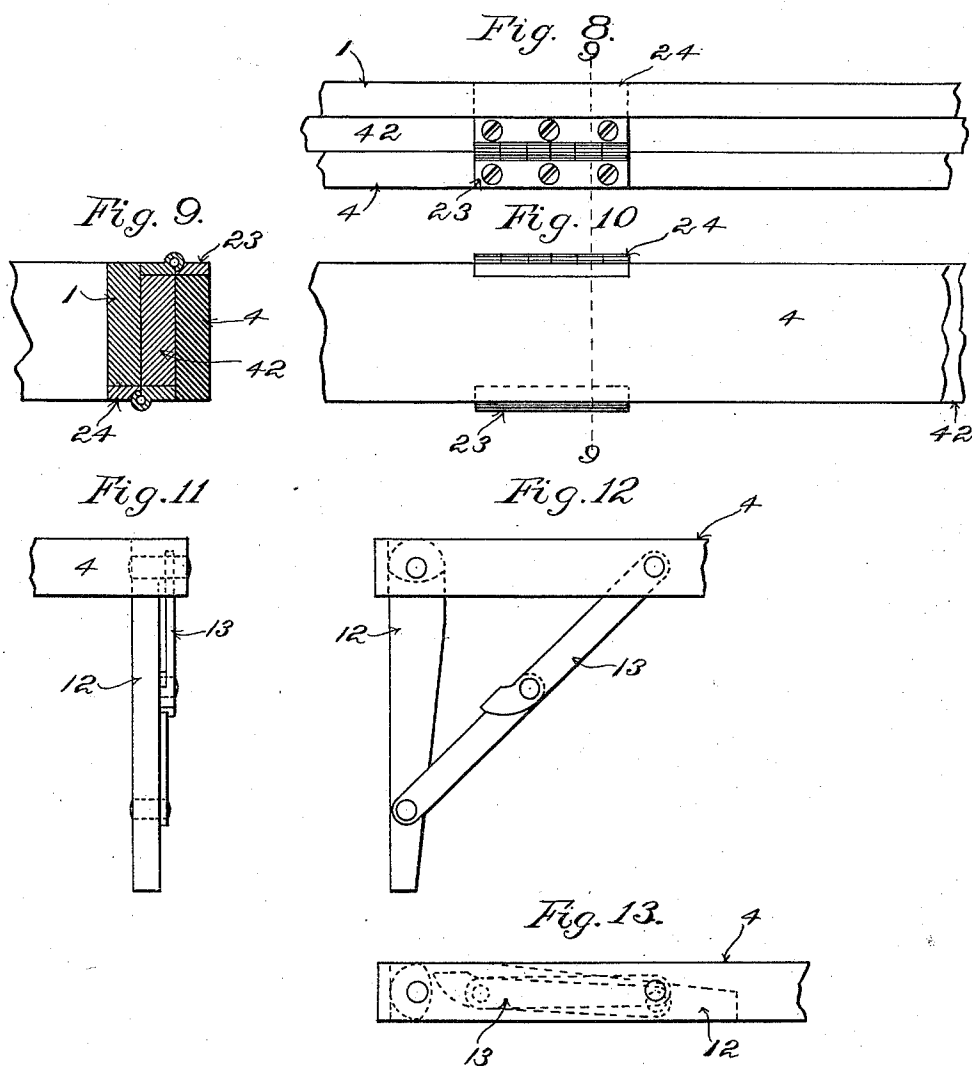
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UNITED STATES PATENT OFFICE.

ANGELINA B. KINGET, OF BOSTON, MASSACHUSETTS.

CONVERTIBLE CHAIR-BED.

SPECIFICATION forming part of Letters Patent No. 580,134, dated April 6, 1897.

Application filed June 3, 1896. Serial No. 594,133. (No model.)

To all whom it may concern:

Be it known that I, ANGELINA B. KINGET, a citizen of the United States, residing at Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Convertible Chair-Beds, of which the following is a specification, reference being had therein to the accompanying drawings.

The object of my invention is a convertible article of furniture which can be variously adjusted to form a bed, a crib, an easy-chair, and a couch or lounge.

The invention first will be described fully in the following specification with reference to the accompanying drawings, and afterward the distinguishing features will be more particularly pointed out and distinctly defined in the claims at the end thereof.

In the drawings, for greater clearness, I have omitted the upholstery and have shown merely the frame.

Figure 1 is a plan of the frame when arranged to be used as a bed. Fig. 2 is a vertical longitudinal section on line 2 2 of Fig. 1. Fig. 3 is a view in cross-section on line 3 3 of Fig. 1. Fig. 4 is a view in side elevation of the frame when set up to serve as an easy-chair. Fig. 5 is a front elevation of the same. Fig. 6 is a plan of the same when set up to serve as a child's crib. Fig. 7 is a side elevation of the crib. Fig. 8 is a detail view, in enlarged plan, showing chiefly one of the double-hinged joints of the frame. Fig. 9 is a view in cross-section on line 9 9 of Fig. 8. Fig. 10 is a view in side elevation of Fig. 8. Fig. 11 is a view in end elevation showing chiefly one of the corner-legs and its braces. Fig. 12 is a view in side elevation of the parts which are represented in Fig. 11. Fig. 13 is a view in side elevation of the parts which are shown in Fig. 12 when they are folded.

Referring now especially to Figs. 1, 2, and 3, in which the frame is represented as set up for a bed, the main body of the bed comprises the two rectangular portions 1 and 2, which latter are hinged together by the single hinges 20. The foot portion 3 is connected to the middle portion 2 by the double set of hinges 21 22 and intermediate strip 41, which allow said foot portion to fold either downward, as in Figs. 4 and 5, or upward, as

in Figs. 6 and 7. Along one side of the portions 1, 2, and 3 are arranged the wing portions 4, 5, and 6, and along the other side thereof are arranged the corresponding wings 7, 8, and 9. The wing 4 is connected to one side of the portion 1 by the double set of hinges 23 24 and strip 42, (see Figs. 8, 9, and 10,) and the wing 7 is connected to the other side of the portion 1 by the double set of hinges 25 26 and intermediate strip 43. The wings 5 and 8 are hinged to the sides of the middle portion 2 by single hinges 27 and 28, respectively, and the wings 6 and 9, respectively, are hinged to the middle wings 5 and 8 by single hinges 29 and 30, respectively. The outer meeting corners of the wings 4 and 5 are provided with a slide-bolt 31 or other suitable device to keep them from sagging when in the position which is represented in Figs. 1, 2, and 3. The wings 7 and 8 are similarly provided with a bolt 31 and so also are the meeting corners of the wings 6 and 9 and the foot portion 3. At the corners of the middle portion 2 are the four legs 11 11, which are rigidly fixed to the said portion. At the four outer corners of the corner-wings 4, 7, 6, and 9, and also at the outer corners of the portion 1, are folding legs 12. These folding legs are braced by the toggle-jointed braces 13, which fold with the leg. (See Figs. 11, 12, and 13.) At the outer side of portion 1 there is shown in dotted lines in Figs. 1 and 2 a flexible portion 10, which may be used and is intended to be attached to the head portion 1, so as to be capable of being turned up and serve as a head-board.

In Figs. 1, 2, and 3 the frame is shown spread out and arranged to form a bed.

To convert the bed into a chair, as shown in Figs. 4 and 5, the bolts 31 31 are slid back, and the head portion 1 is turned up on its hinges into a vertical position, (see Fig. 4,) carrying with it also the wings 4 and 7. The wings 4 and 7 are then folded back, as shown in Fig. 4, and preferably hooked to the portion 1 at top and bottom by hooks 14, or otherwise suitably secured. Thus the head portion 1 and the head-wings 4 and 7 form the back of the chair. The middle wings 5 and 8 are turned up and secured at the back corners to the back 1 by hooks 15 or other suitable means. The lower wings 6 and 9 are folded back on

the wings 5 and 8, respectively, and secured by hooks 16. Thus the folded wings 5 and 6 form the arm on one side and the wings 8 and 9 form the arm on the other side. The wings 5 6 and 9, respectively, are equal in length to the wings 5 and 8, respectively, so that when wings 6 and 9 are turned back upon wings 5 and 8 in the manner which is represented in Figs. 4 and 5 and also in Figs. 6 and 7 they 10 form broad and comfortable arms of uniform width throughout the length thereof. The foot portion 3 is turned down and the middle portion 2 forms the seat of the chair. If the head-wing portion 10 is employed, it should 15 be folded back over the top of the chair to form a cushion and roll-top. It is not shown in Figs. 4 and 5.

When a child's crib is to be formed, as shown in Figs. 6 and 7, the wings 4 and 5 and 20 7 and 8 are turned up into vertical positions, forming the sides of the crib. The wings 6 and 9 are then folded back on the wings 5 and 8 to get them out of the way, and they are secured by hooks 16. The legs 12, attached 25 to the wings 6 and 9, are folded. The other legs support the crib. The foot portion 3 is turned up and rests with a slight backward inclination against the ends of the wing portions 5 and 8. If the portion 10 be employed, 30 it will be turned up at the head, as shown in dotted lines.

The upright portions of the crib are secured together and supported at their meeting corners by chains 18 or other suitable device, the chains being detachably secured at 35 one end, so that they may be disconnected when the crib is reconverted into a bed or a chair.

It is obvious that the bed can be converted 40 into various other shapes by varying the method of folding—as, for instance, the side wings may be all turned downward, forming a lounge, instead of turned up to form a crib. In practice the frame will all be covered with 45 upholstery.

What I claim is—

1. A folding convertible chair-bed comprising a head portion and a middle portion hinged 50 together, a foot portion hinged to the other end of said middle portion, wing portions hinged to the sides of said head portion, wing portions hinged to the sides of said middle portion, wing portions equal in length to the middle wings hinged to the lower ends of 55 said middle wings alongside of the foot por-

tion and capable of being turned back against the middle wings, substantially as described.

2. A folding convertible chair-bed comprising a head portion and a middle portion hinged 60 together, a foot portion hinged to the other end of said middle portion, wing portions hinged to the sides of said head portion, wing portions hinged to the sides of said middle portion, wing portions equal in length to the middle wings hinged to the lower ends of 65 said middle wings alongside of the foot portion and capable of being turned back against the middle wings, legs to support the middle portion and folding legs to support the bed at the corners, substantially as described. 70

3. A folding convertible chair-bed comprising a head portion and a middle portion hinged 75 together at one end of said middle portion, a foot portion hinged to the opposite end of said middle portion by hinges which permit turning both up and down, wing portions hinged to the sides of said head portion by hinges which permit turning up and down, wing portions 80 hinged to the sides of said middle portion, wing portions hinged to the lower ends of said middle wings alongside of the foot portion, means for detachably securing together the meeting corners of the adjoining portions which are not hinged together, legs to support the middle portion and folding legs to support 85 the bed at the corners, substantially as described.

4. A folding convertible chair-bed comprising a head portion and a middle portion hinged 90 together at one end of said middle portion, a foot portion hinged to the opposite end of said middle portion by hinges which permit turning up and down, wing portions hinged to the sides of said head portion by hinges which permit turning up and down, wing portions 95 hinged to the sides of said middle portion, wing portions hinged to the lower ends of said middle wings alongside of the foot portion, legs to support the middle portion, and folding legs to support the bed at the corners, and a flexible folding piece attached 100 to said head portion which rolls over the top of the chair, substantially as described.

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

ANGELINA B. KINGET.

Witnesses:

ROBERT WALLACE,
WILLIAM A. COPELAND.