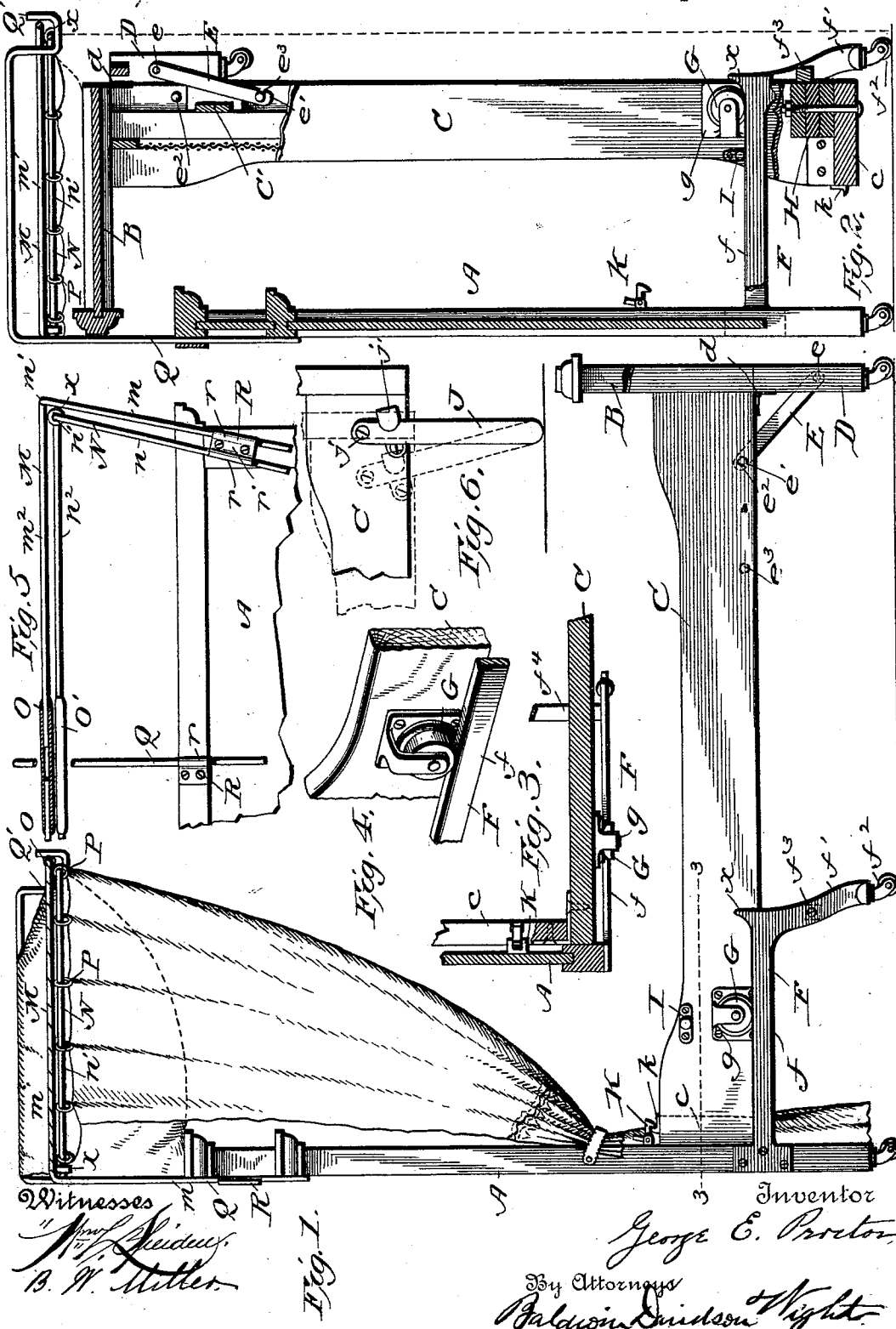


(No Model.)

G. E. PROCTOR.
BEDSTEAD.

No. 517,482.

Patented Apr. 3, 1894.



UNITED STATES PATENT OFFICE.

GEORGE E. PROCTOR, OF WASHINGTON, DISTRICT OF COLUMBIA.

BEDSTEAD.

SPECIFICATION forming part of Letters Patent No. 517,482, dated April 3, 1894.

Application filed June 19, 1893. Serial No. 478,126. (No model.)

To all whom it may concern:

Be it known that I, GEORGE E. PROCTOR, a citizen of the United States, residing at Washington, in the District of Columbia, have invented certain new and useful Improvements in Bedsteads, of which the following is a specification.

The object of my invention is to provide devices which may be attached to an ordinary bedstead to enable it to be converted into a folding bed.

By my improvements, but little change need be made in the bedstead proper, and the devices which I employ may be readily attached to an ordinary bed.

In the accompanying drawings illustrating my invention, Figure 1 is a side elevation of a bedstead embodying my improvements, with the bed in position for use. Fig. 2 is a view partly in section and partly in elevation, of the bedstead folded. Figs. 3, 4, 5 and 6 show details of construction, Fig. 3 being a section on the line 3—3 of Fig. 1.

The head board A, and foot board B, may be of ordinary construction, as may also the two side pieces C. The legs D, at the foot board are, however, hinged at *d*, so that they may be folded, as indicated in Fig. 2.

In Figs. 1 and 2, a brace E, on each side of the bed is hinged at *e* on the corresponding leg to hold it in an upright position when the bed is in position for use, as indicated in Fig. 1. When the bed is elevated, the braces are turned on their pivots, disengaged from the catches *e*, and the leg will fold, as indicated in Fig. 2. The brace is provided with a hooked upper end *e'*, which, in one position, is adapted to engage with a stud *e''*, on the side piece C, and in the folded position with a stud *e'''*, as shown in Fig. 2. The leg is, therefore, held rigidly in either position.

On each side of the bed at the head, I arrange a supporting frame F, each comprising a horizontal rail *f*, which is secured to the edge of the head board, and a leg *f'*, which is provided with a caster *f''*. The legs *f'* of the frames F, are connected by a cross bar *f'''*, which is firmly secured to legs between their upper and lower ends, thus holding the frames rigid and preventing their spreading.

The side pieces C, may be secured to the foot board B, permanently, in any suitable

way. They are connected at the head of the bed by a supplemental cross piece *c*, but they are not secured to the head board. They carry rollers G, which are preferably flanged, mounted in brackets *g*, on the side boards C. The rollers rest on the rails *f*, of the frames F, and are adapted to move back and forth thereon, their forward movement being limited by stops *x* at the ends of the rails. The side pieces C, are connected at suitable intervals by cross pieces *C'*.

At the head, I attach weight bars H, which serve to counter-balance the bed, and permit of its being easily raised and lowered. In order to limit the movement of the bed when elevated, I employ stops I, attached to the sides C, and adapted to abut against and rest upon the rails *f*, when the bed is upright, as indicated in Fig. 2.

It will be observed that the supporting frames F, are detachably secured to the head board and that they are so constructed that they may readily be attached to the head board of any bedstead in use. The legs of an ordinary bedstead may be sawed and hinged in the manner indicated. Sometimes, however, I use a different kind of leg for the foot of the bed. This modification is illustrated in Fig. 6, in which the leg J, is pivoted at its upper end *j*, to the inside of the side piece C. A hook *j'* secured to the side piece partially surrounds the upper end of the leg.

When the bedstead is first lowered, it is in the position shown in full lines in Fig. 6, and when it is pushed forward in a horizontal plane, it will assume the position shown in dotted lines, and the leg will be seated in the hook, as illustrated.

In order to hold the side pieces, of the main body of the bed in position, I employ catches K, which are secured to the head board, and engage hooks *k* on the cross piece *c*. The legs are automatic; when the body of the bed is pushed forward and reaches the head board, the catches will engage with the hooks, and a longitudinal movement of the side pieces is prevented. By tilting the bed on the rollers G, as bearings, the catches may be disengaged by a person at the foot of the bed.

To the top of the head board, I secure a frame for supporting a curtain or curtains to cover the bedstead when elevated. This frame

is preferably made in two parts of round wire or rods. The frame to carry the outside curtains has its upper part located a short distance below the frame which carries the cover

5 or canopy.

The frame which carries the top or canopy is arranged outside the frame which carries the curtain. M indicates this frame, and N indicates the inner frame to which the curtains are attached. The frame M, is shown as consisting of two parts similar in construction, and joined at the front by a sleeve O. Each part of the frame consists of an inclined upright piece *m*, a horizontal, forwardly-projecting piece *m'*, and a horizontal transverse piece *m²* entering the sleeve O. The inner frame is constructed in a similar way, with an inclined upright piece *n*, a forwardly projecting piece *n'*, and a horizontal cross piece *n²*, entering a sleeve O'. This frame is provided with a stop *x* to limit the movement of the rings or attaching devices P, which are secured to the curtains and which slide on the rods.

25 In order to support the frames at their front ends, I provide an arm Q, secured to the back of the bed near the central portion thereof, extending upwardly and then forwardly, and provided at its front end with a hooked end Q', which extends under the sleeves O O', and supports them when required.

The frames M and N are secured to the back of the bed by clips R, which are provided with sockets *r* on opposite sides, through which the arms extend, and with a flat portion *r'* through which the screws or other securing devices are inserted. A similar clip R' with a single seat *r* is provided for the arm Q. The arrangement is such that the frames and arm may be adjusted to any suitable height, and may be readily applied to or taken from the bed. By the use of the sleeves O and O', the frames may be adjusted to beds of different widths.

45 I claim as my invention—

1. The combination with the flat upright head-board, of the skeleton frames F, detachably secured to the head-board, and formed with supporting rails *f* and legs *f'*, the foot-board, the side-pieces secured thereto, and rollers on the side-pieces resting on the rails.

55 2. The combination of the head-board, the supporting frames F, detachably secured thereto, the foot-board, the side-pieces secured thereto, rollers carried by the side-pieces and

resting on the frames, the stops I, above the rollers on the side-pieces, and which abut against, and rest on the rails when the bed is elevated.

3. The combination, substantially as here- 6c inbefore set forth, of the head-board, the foot-board and the side-pieces, the supplemental frames secured to the head-board, rollers secured to the side-pieces and resting on the frames, the legs J secured to the side-pieces 65 and the hooked arms *j'* for limiting the movement of the legs.

4. The combination of the head-board, the foot-board, side-pieces secured to the foot-board, supplemental supporting frames secured to the head-board, and on which the side-pieces are supported, and catches K, for locking the side-pieces to the head-board and constructed and arranged to hold the side-pieces against longitudinal movement when 75 they are in a horizontal position.

5. The combination of the head-board, the supporting frames F, detachably secured thereto, the foot-board, side-pieces secured to the foot-board, and provided with rollers resting on the frames F, and the automatic catches K, constructed and arranged to lock the side-pieces against longitudinal movement in a horizontal plane and to automatically unlock 85 when the side-pieces are tilted.

6. The combination with the head-board of a folding bed, of a curtain frame made in two parts each of which comprises an upwardly inclined portion, a forwardly projecting horizontal portion, and a transversely arranged 90 front portion which enters an adjustable connecting sleeve, and clamping devices for adjustably securing the frame to the head-board.

7. The combination with the head-board of a folding bed, of a curtain frame made in two 95 parts, each comprising an upwardly inclined rear portion, a forwardly projecting horizontal portion, and a transversely arranged horizontal portion entering an adjustable sleeve, in combination with a similar frame for supporting a cover or canopy, a supporting frame for sustaining the frames at their central front portion, and clamping devices for adjustably securing the frames to the head-board.

In testimony whereof I have hereunto subscribed my name. 105

GEORGE E. PROCTOR.

Witnesses:

J. MARTIN PROCTOR,
ARTHUR O'NEILL.