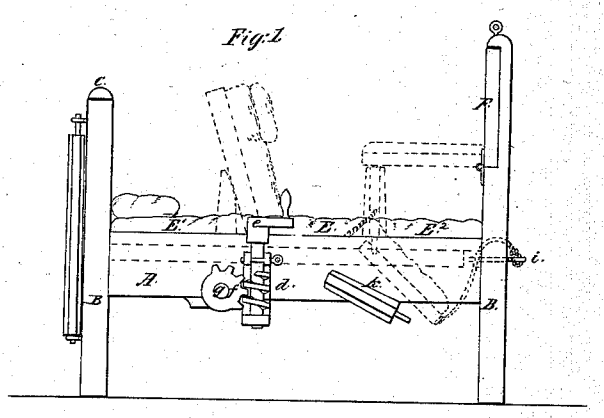
J. Massey,

Invalid Bedstead,

No. 68,892, Patented Sept. 17, 1867.

Fig: 1.



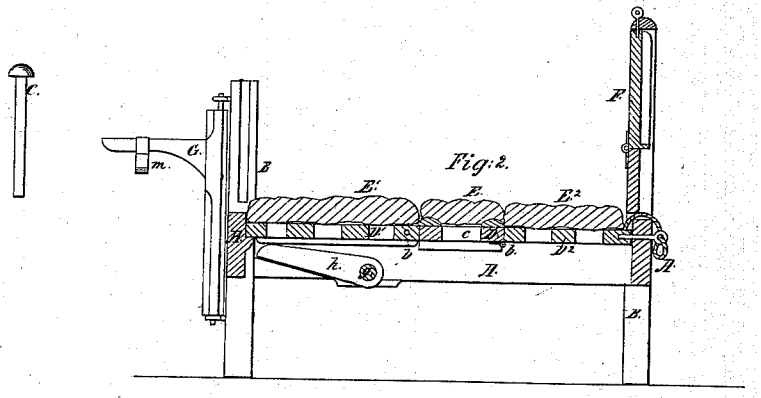
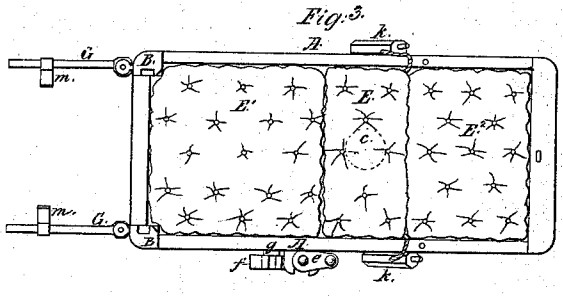


Fig: 2.

Fig: 3.



Witnesses.

W. Coombs

G. W. Reed

Inventor.

John Massey

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

United States Patent Office.

JOHN MASSEY, OF NEW YORK, N. Y., ASSIGNOR TO HIMSELF AND PETER M. STAGG, OF SAME PLACE.

Letters Patent No. 68,892, *dated September* 17, 1867; *antedated September* 7, 1867.

IMPROVEMENT IN INVALID-BEDSTEADS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, JOHN MASSEY, of the city, county, and State of New York, have invented a certain new and useful Improvement on Family and Invalid-Bedsteads, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing, forming part of this specification, and in which—

Figure 1 represents a side elevation of a bedstead constructed according to my improvement, with a changed position of certain of its parts represented in red lines.

Figure 2, a longitudinal vertical section of the same with head-board detached, and

Figure 3 a plan thereof.

Like letters indicate like parts throughout the several figures.

The nature of my invention consists, in combination with a bedstead, swinging arms or slings attached, preferably in a detachable manner, to the head or one end of the bedstead for the purpose of facilitating obstetric and other surgical operations; likewise, in a peculiar construction of the foot-board or one end of the bedstead, whereby the same may be converted into a table, the bedstead being so constructed that it may be transformed into an invalid-chair, which change may be produced without disturbing or distressing the occupant, and without depriving the bedstead of its normal or ordinary character, when not desired to be used as above described.

Referring to the accompanying drawing, A represents the sides and ends or framework of the bedstead, and B its posts or legs. C is the head-board, which is made detachable, by sliding in grooves in the posts, or otherwise. D D^1 D^2 is the slotted bottom, made up in sections, and resting on suitable supports, the two end sections, D^1 D^2, being hinged, as at *b*, to the central section D, or otherwise similarly pivoted or hinged to the framework. E E^1 E^2 is the mattress or bed, also made up in corresponding sections, the centre one, E, of which should be loose and removable, for the purpose of uncovering an opening, *c*, under which may be arranged a suitable utensil to meet the natural necessities of the invalid.

To raise the invalid from a recumbent to an inclined or sitting position the back end section D^1 is raised from a horizontal to any necessary height or angle by suitable gear, which may consist of an endless screw, *d*, operated by a crank or handle, *e*, and meshing into a worm-wheel, *f*, attached to a rock-shaft, *g*, on which are toes *h* that lift or support the back end section D′. To give a yet more chair-like character to the bed the foot end section D^2 is lowered to any suitable angle by withdrawing a locking-pin, *i*, when the foot-mattress E^2, secured at its inner side or edge to said section, will serve as an easy support to the legs of the invalid.

Connected with the foot end of the bed is an upper hinged extension, F, of the foot-board, which may be lowered to form a table, and made to rest on removable supports *k*, as represented by red lines in fig. 1, the inclined back and foot-rest, as formed by the sections D^1 and D^2, being also represented by red lines in the same figure.

These combined chair and table changes or modifications, convertible at pleasure into a bed, constitute an entirety of great convenience and advantage to an invalid.

For surgical or obstetric operations I pivot or hinge, preferably in a detachable manner, to the one or head end of the bedstead swinging arms or slings G, provided with stirrups or rests *m*, on or within which the leg or legs of the patient rest on withdrawing the head-board C. This will be found a convenient attachment, not only in cases of amputation or other surgical operations arising from accident, but also in natural ones connected with obstetrics or diseases of the womb, the stirrups or rests *m* supporting the legs of the female in any desired position. In some cases the swinging-arms or slings may be hung to swing within the bedstead, or so as to be capable of being swung within or outside of the same at pleasure.

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

1. The combination with a bedstead of swinging arms or slings G, provided with stirrups or rests *m*, for operation substantially as specified.

2. The hinged portion F of the foot-board, constructed as described, to form a table to the bedstead, substantially as set forth.

JOHN MASSEY.

Witnesses:

A. LE CLERC,

G. W. REED.