

H. Conway.
Hospital-Bed.

N^o 74669

Patented Feb. 18, 1868.

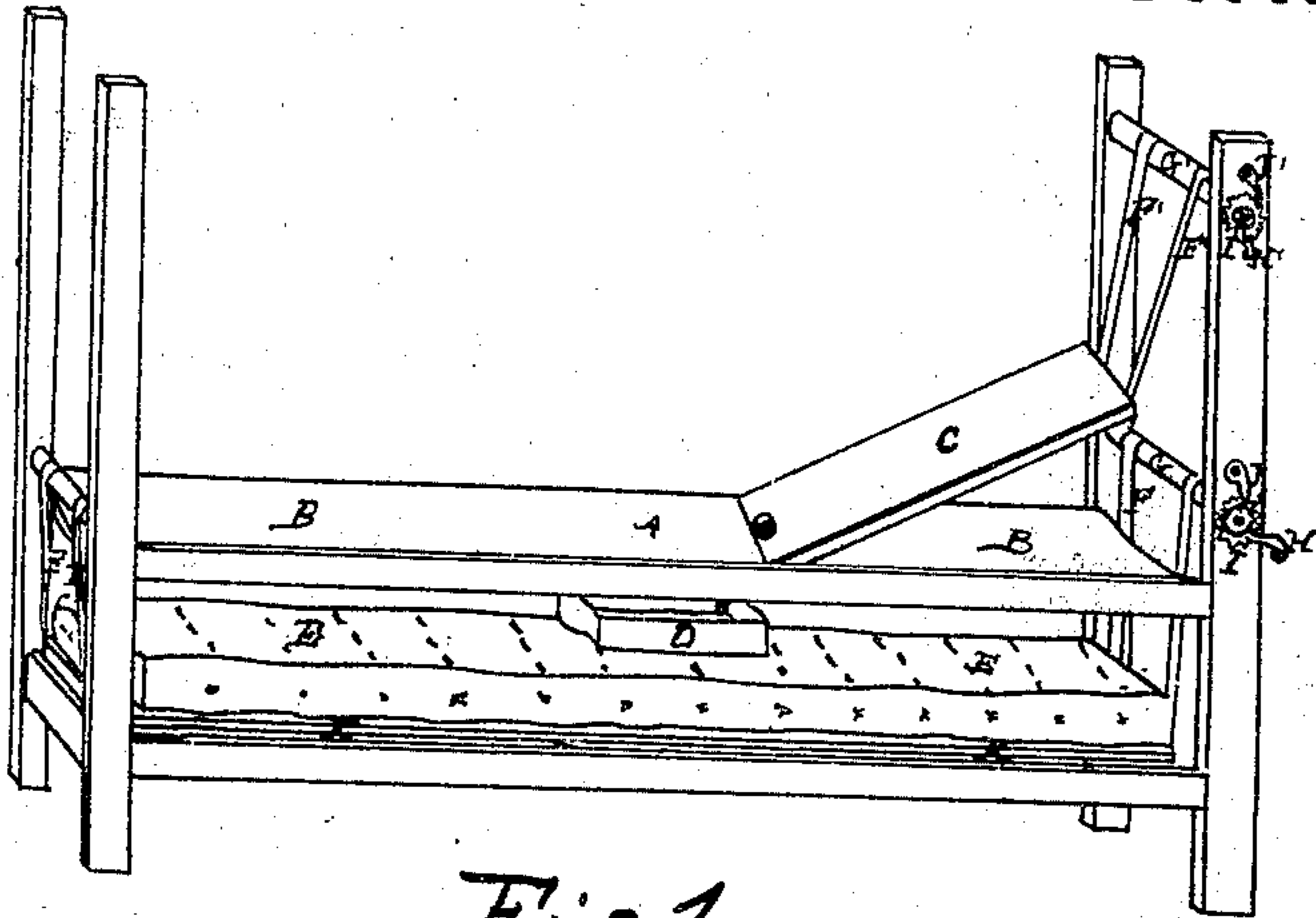


Fig. 1

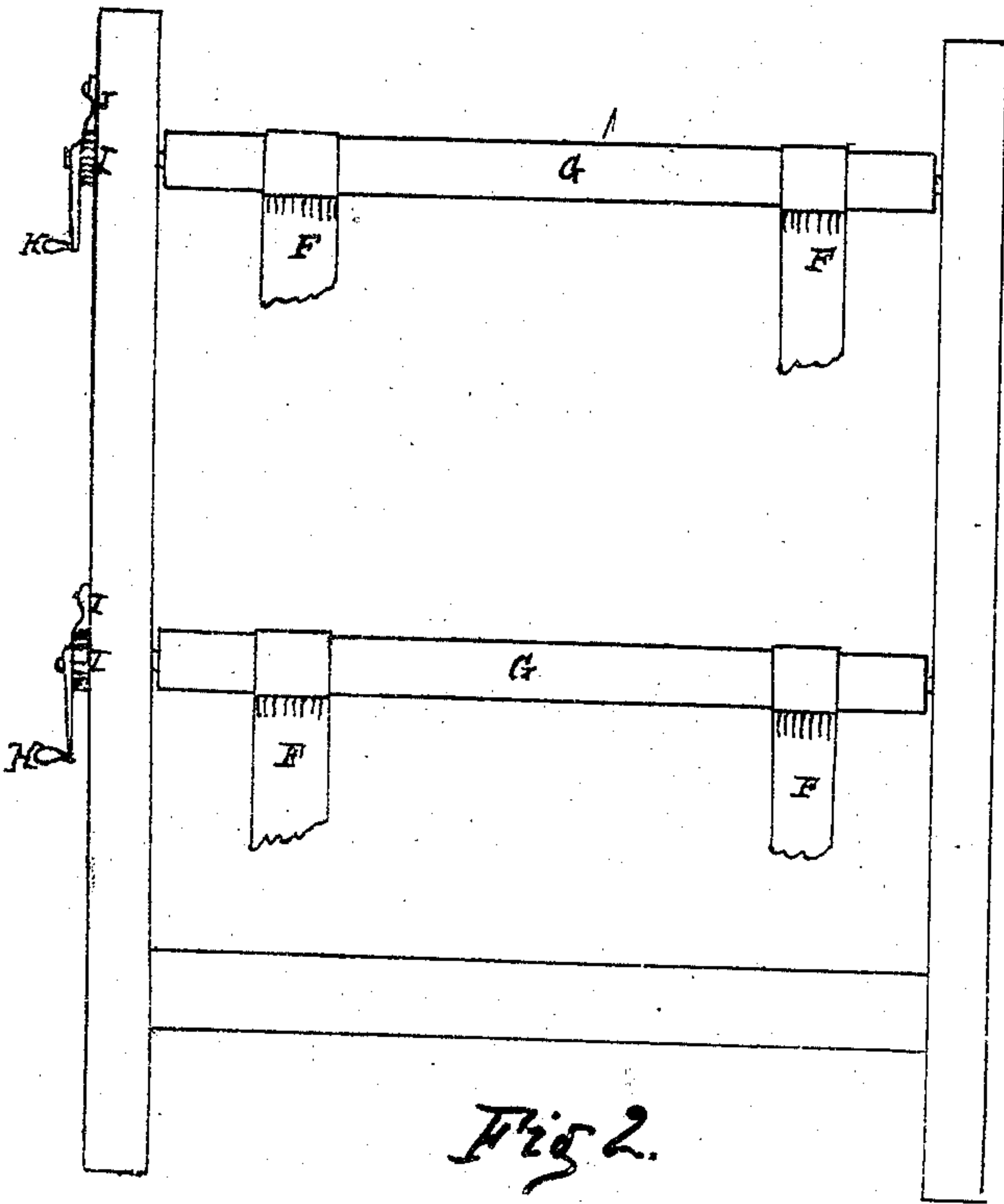


Fig. 2.

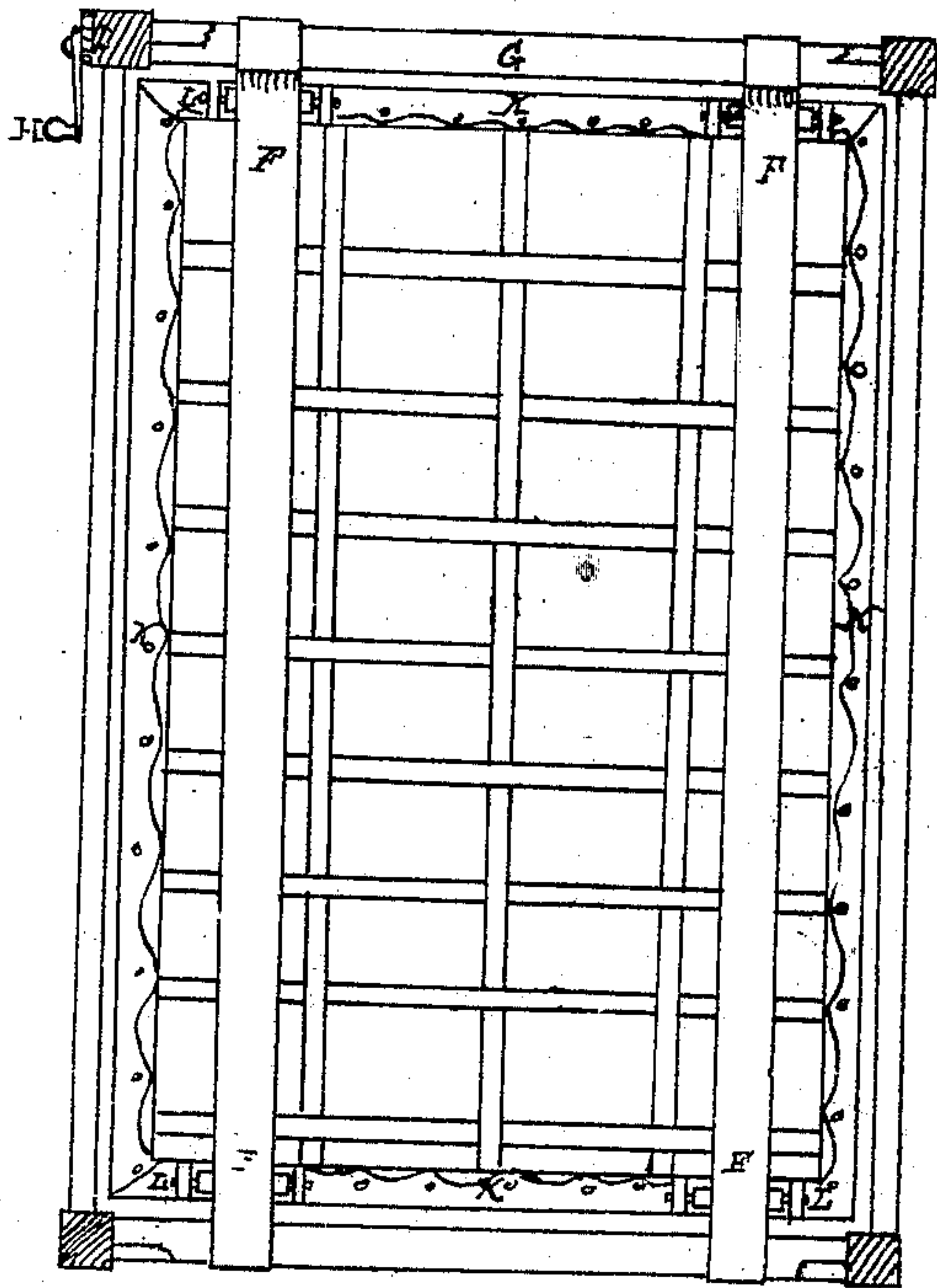


Fig 3

Witnesses
John Howard
William B. Howard

Inventor
Hannah Conway

SHEET 2 - 2 SHEETS

H. Conway.
Hospital-Bed.

N^o 74669

Patented Feb. 18, 1868.

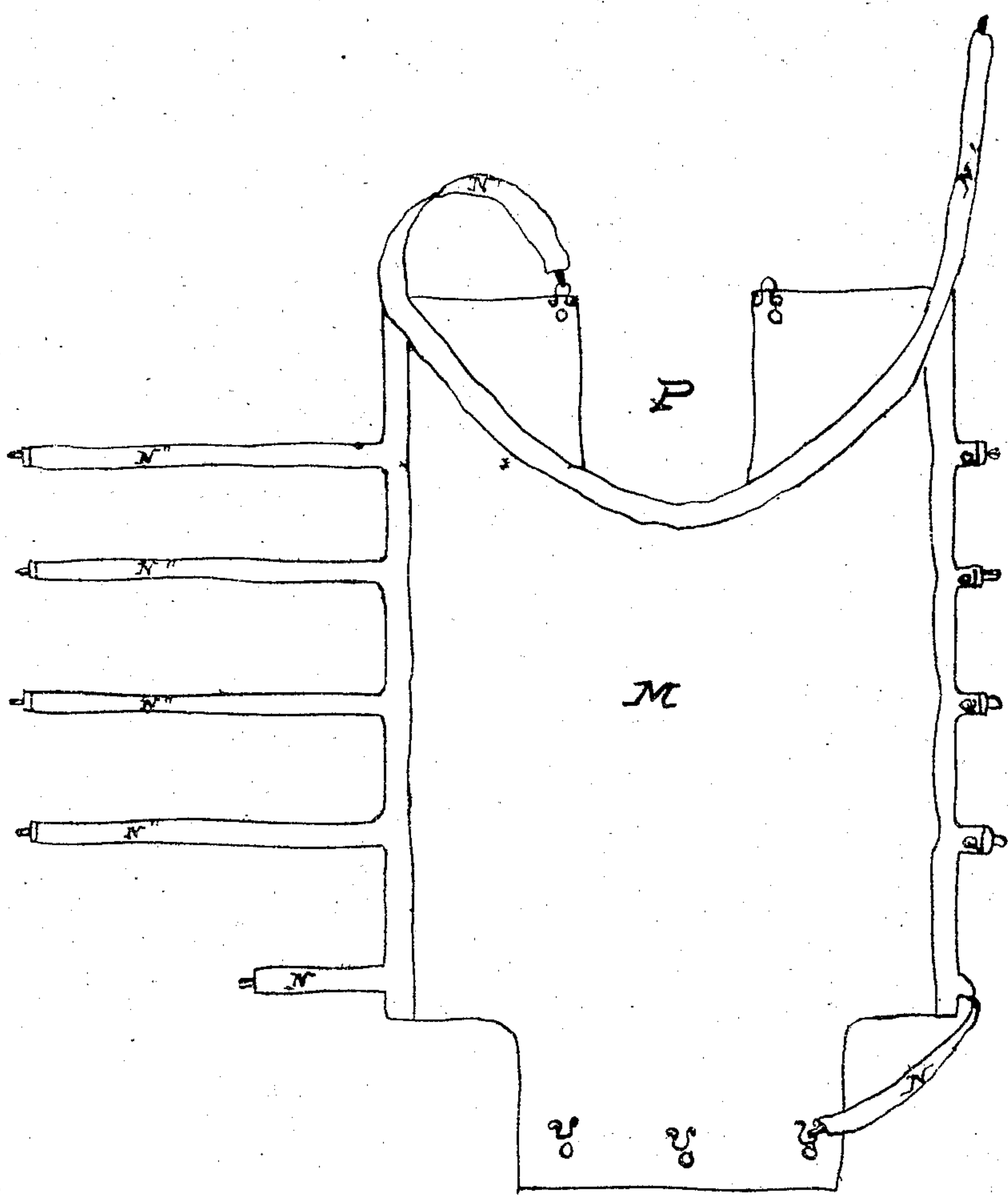


Fig. 4.

United States Patent Office.

HANNAH CONWAY, OF DAYTON, OHIO.

Letters Patent No. 74,669, dated February 18, 1868.

IMPROVED HOSPITAL-BED.

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

TO WHOM IT MAY CONCERN:

Be it known that I, HANNAH CONWAY, of Dayton, Montgomery county, Ohio, have invented a new and improved Hospital-Bed; and I hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in the combination of a fixed canvas frame, B, and a bed, E, operated by the axle G underneath frame B, and the movable pillow with the axle G', and the permanent frame under the bed E.

To enable others skilled in art to make and use my invention, I will proceed to describe its construction and operation.

I take any common bedstead with high posts, (see No. 1,) and I fit to the two head-posts, two rollers, G G'. On the end of each one of them I attach, at I I', a ratchet-wheel, I I', and cranks H H'. I attach also to the rollers, straps F F'. The straps to the lower roller are made to pass under the movable bed on rollers L L L L, Figure 3, and are attached firmly to the bar at the foot of the bed. This bar is as high as it is ever intended to raise the bed, and the straps F F are long enough to permit the bed to be lowered, so that a bed-pan, D, may pass easily under the patient, and remain on the bed or mattress without disturbing the patient. When it is desired to lower the bed to cool the patient, or to air or make up the bed, or permit the patient to go to stool, the crank H is turned forward slightly, the ratchet J is raised, and the weight of the bed carries it down as far as the straps F F will permit it to go, leaving the patient undisturbed on the canvas B B. I make a strong frame, of the length and breadth of the bed, and attach it firmly to the four bed-posts, and fit to it a canvas sufficiently strong to hold the patient without the support of the mattress or bed, which is to be below it. In this canvas I make a round or elliptical hole, of any convenient size or diameter, say from ten to twelve inches in diameter, and have it neatly hemmed. This canvas, with the circular or elliptical hole, is used to enable the patient to comply with the calls of nature without being moved or at all disturbed; and it is done in this wise, viz, the patient being weak, or if motion of the body or limbs is forbidden, and there is a call of nature, the bed or mattress is lowered out of the way by means of the ratchet-wheel and crank H I J, and the patient is left undisturbed on the canvas, and the bed-pan is slipped in between him and the bed or mattress without touching the patient. When he is relieved, the pan is readily removed without disturbing the patient, and the bed is raised up by turning the crank H. This canvas may be covered with a smooth, soft sheet, with like circular hole to fit the canvas, and the hole in the canvas may be shut up from beneath by a wide strip of muslin passing under the hole and over the sides of the frame, to which the canvas is attached and buttoned or hooked. I also attach to this canvas a pillow, e, fastened at one end to the canvas at o, Figure 1. I leave the other end movable, and under it I pass two or more straps F' F', which are attached to the upper roller G', and to the side of the pillow nearest the foot of the bed, by means of which the pillow may be raised or lowered at will by the ratchet-wheel and crank H' I' J', whereby the patient's head may be raised or lowered without disturbing him. I also make a strong bed-covering, (see Figure No. 4,) which is a complete cover to the bed, except a place for the head of the patient. I make two strong straps to this bed-cover, to be buckled around the bed-posts at the head of the bed, and two at the foot, N N' N' N', also three or more straps, N'' N'' N'', to pass from one side of the bed-cover around under the bed, and be buckled to like straps on the other side Q, which may be used to hold patients who are unruly or flighty in bed.

I use the several parts of this bed as follows: The patient, if unruly, is held in bed by the cover, (see Figure No. 4.) If the patient is hot and feverish, and it is desired to have the bed aired or made up, he may lie perfectly still on the canvas B B, and the bed E E lowered out of the way by the ratchet-wheel and crank H I J; and the patient may lie unmoved, with the cool air passing freely around him. So, if the patient would go to stool, the bed is let down in like manner, and the bed-pan D is placed on the bed under him, or removed at will, without requiring the patient to move or be moved.

Figure 1 is a perspective view of the bed complete, without the cover, showing it as it appears when the bed is lowered to permit the patient to go to stool.

Figure 2 is the end view of the head of the bed, showing the position of the rollers G G', the ratchet J, ratchet-wheel I, and the crank H: and H' I' J', and the straps F F F' F'.

Figure 3 is a bottom view of the frame on which the movable bed is laid, showing the position of the straps as they pass under the rollers L L L L.

Figure 4 is the canvas cover by which an unruly patient is kept in bed.

I declare that the above-described invention is intended to aid the nurse in taking care of the sick, and to relieve the sufferings and promote the comfort of the sick and the well.

Claim.

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

The combination of the fixed canvas frame B and bed E, operated by the axle G underneath frame B, and the movable pillow C with the axle G', and the permanent frame under the bed E, all as herein set forth.

HANNAH CONWAY.

Witnesses:

WILLIAM C. HOWARD,
JOHN HOWARD.