

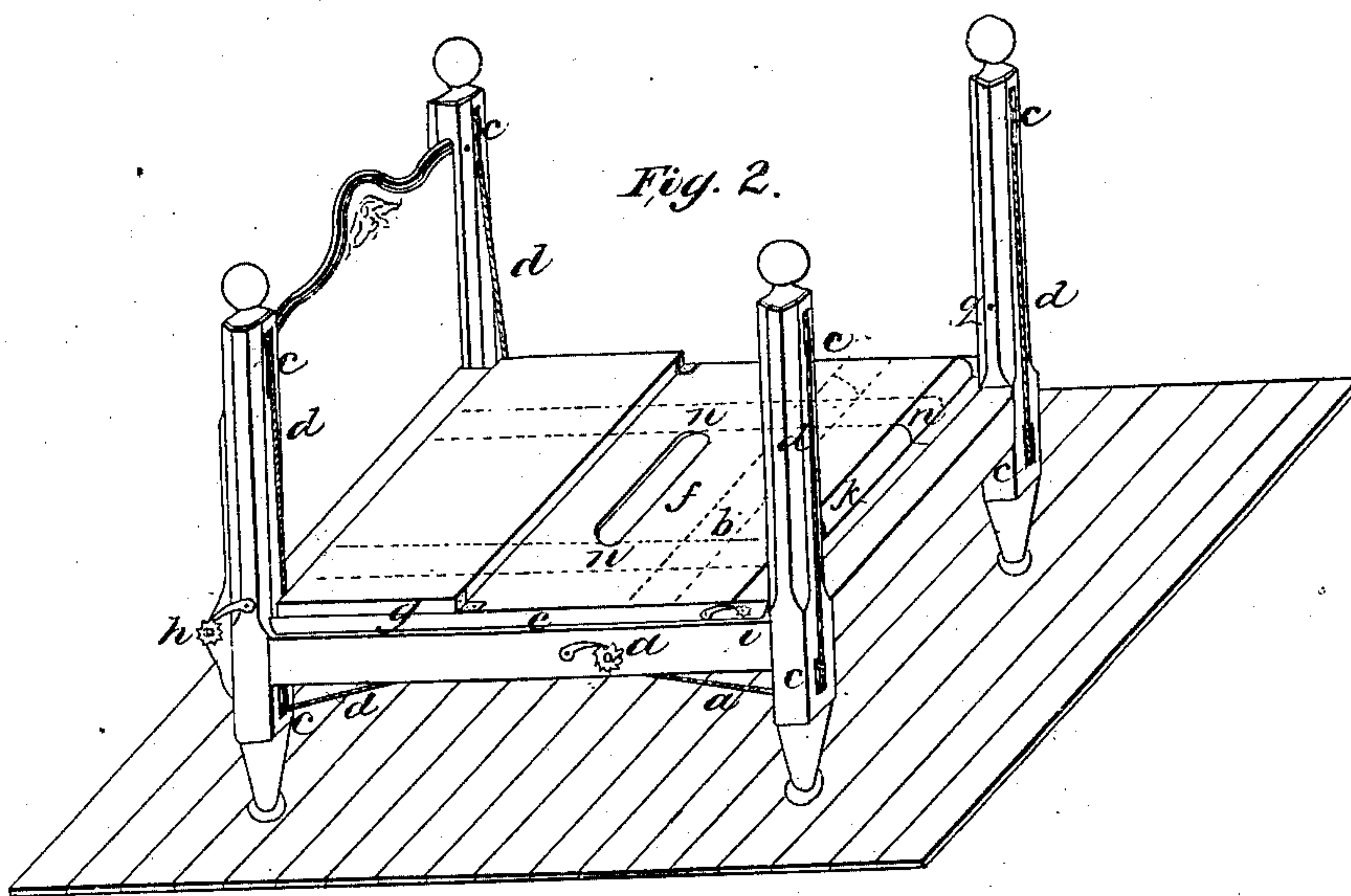
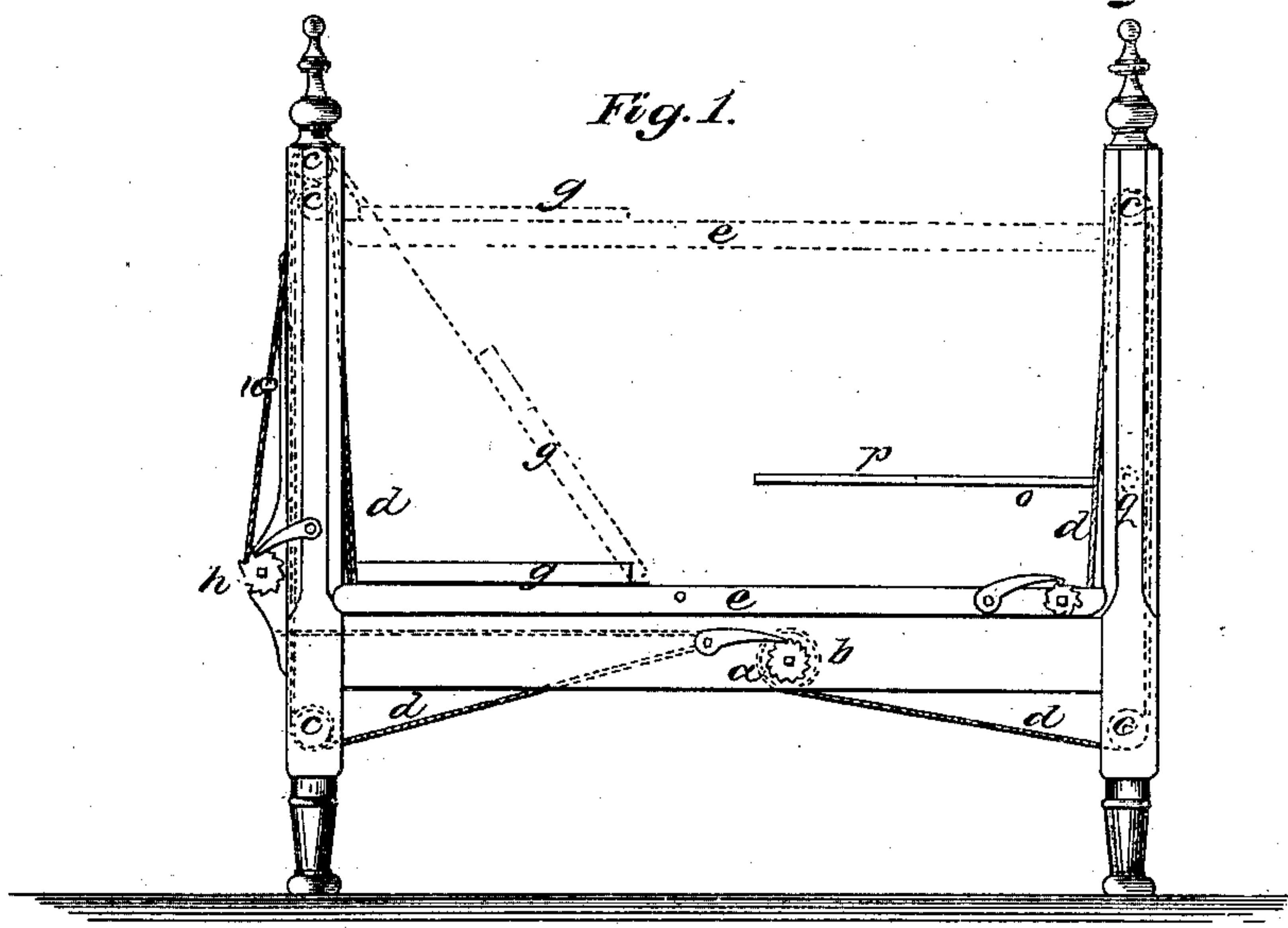
Sheet 1-2 Sheets.

J. Sebo,

Invalid Bedstead,

No 35,782,

Patented July 1, 1862.



Witnesses.

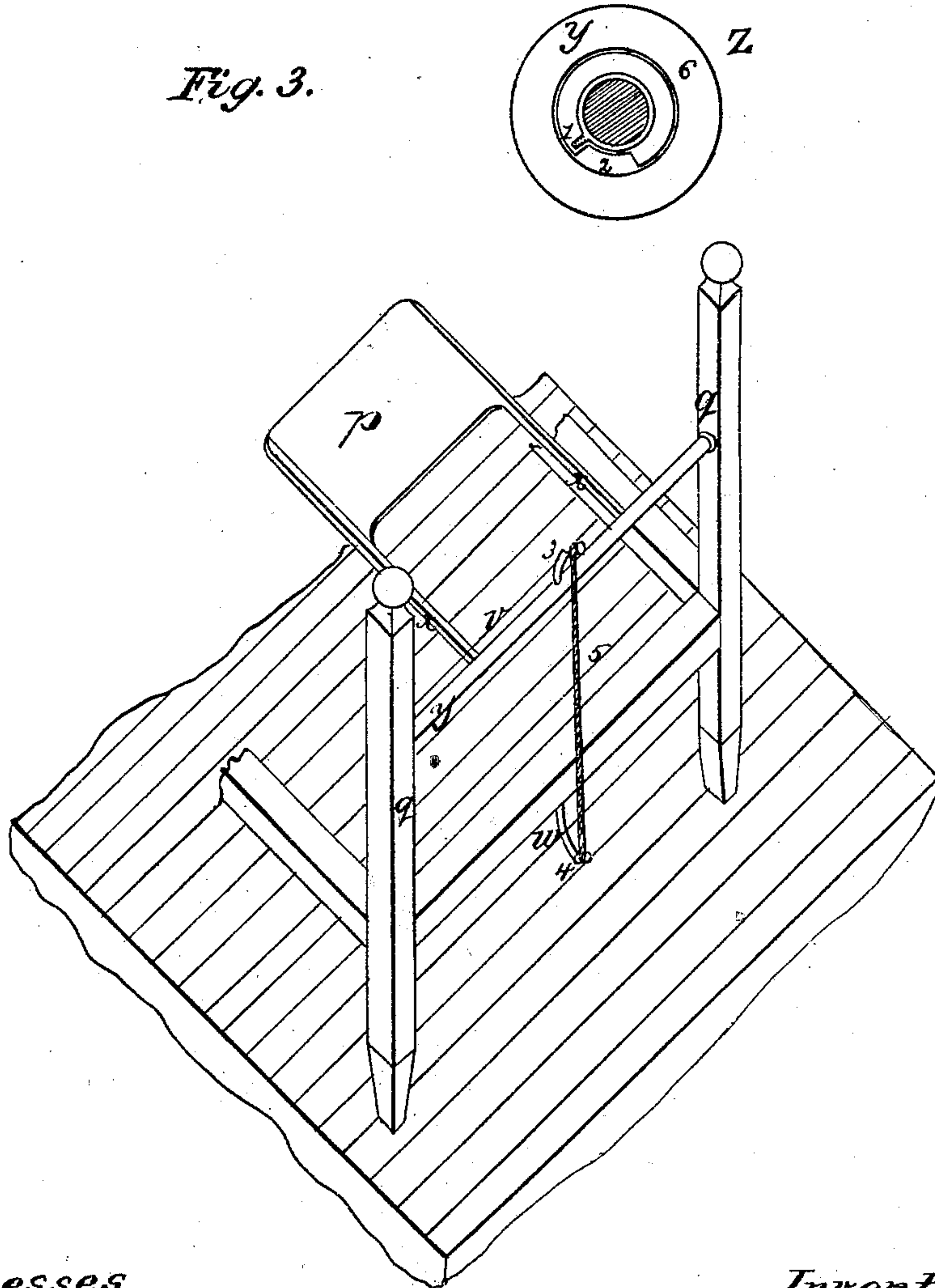
Samuel Kelly
Wm. Riggins.

Inventor.

John Sebo

J. Sebo,
Invalid Bedstead,
Nº 35,782, Patented July 1, 1862.

Fig. 3.



Witnesses.

Wm. Higgins
Geo. C. Turner

Inventor.

John Sebo

UNITED STATES PATENT OFFICE.

JOHN SEBO, OF WILMINGTON, DELAWARE.

IMPROVEMENT IN HOSPITAL-BEDSTEADS.

Specification forming part of Letters Patent No. 35,782, dated July 1, 1862.

To all whom it may concern:

Be it known that I, JOHN SEBO, of the city of Wilmington, in the county of New Castle and State of Delaware, have invented a new and Improved Hospital-Bedstead; and I do hereby declare that the following is a full and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a side or front elevation, and Fig. 2 an isometrical view of the same. Fig. 3 is an isometrical view of the fan-table with end of its axis.

The nature of my invention consists in providing the ordinary bedstead with a movable frame supported and held in its proper or desired position by means of cords appended to rollers passing through grooves and over pulleys in each post, and not standing away from the post, and passing through rollers in a frame fastened to the top of the posts, as heretofore used or applied, so that the patient or sufferer, reclining or lying prone upon a fine canvas or sheet properly secured to the frame, may be raised by means of a crank turning the roller to a height necessary to attend to the calls of nature or renovating the bed, without disturbing the occupant.

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

I construct my bedstead in the ordinary or any known forms, and apply thereto the frame *e*, which I cover with a fine canvas moderately loose, to render it capable of yielding to the pressure of the body upon the bed beneath. This canvas has an opening in it at *n*, for the purpose of permitting the patient to exercise and permit the habits of nature without any disturbance or moving of the body. To this frame *e*, I attach the smaller frame *g*, covered with the same material as that of *e*, for the purpose of raising the body to a sitting posture. To these frames (at each corner) I attach stout cords *d d*, which pass through grooves in each post over the pulley-wheels *c c c c*, passing down the grooves and over and around the roller *b*, to which they are fastened, and not standing away from the post, and passing through rollers in a frame fastened to the top of the posts, as heretofore used or applied, the frame *e* being raised by means of a roller set

at *h*, and when not used in raising, and when the supporting-frame *e* is raised, a cord leading from the center of the roller *b* to the bar *m* carries the cords attached to the frame *g* up simultaneously with those of *e*. To retain these frames in their places, I provide a ratchet-wheel and catch to each roller, with a safety-pin to that of *b*. When the body is to be raised, the light canvas covering of frame *e* requires strengthening, and to this end I provide two bands of the same material, fastened to the head of the frame securely, and fastened to a roller set in the frame at *i*. In tightening the bands *n n*, I use this roller *k*, which is for the purpose of bracing the canvas of *e* by means of the crank applied to the ratchet *i*.

I construct my frames of wood; but they may be also formed of iron, if deemed best. I also attach a light table, *p*, to the foot-posts at *q*, which answers the double purpose of a table and fan, to use which as a fan I insert a pliable peg in the axis of the table, connected with a like peg in the bed-rail by a strong cord, and by a slight pressure upon the arms of the fan-table it at once produces a current of air so often necessary in the sick-chamber. This fan-table *p* is composed of thin wood, and fastened by two arms, *x x*, to the axis *y*, which is also of wood, furnished at each end with an iron gudgeon, which plays in the post, and the iron ferrule 6, (shown at *z*,) provided with a thickened side or bearing, 2, for the purpose of keeping the table parallel to the bed. By means of the pin 1, I attach a stout cord to the peg 3, fastening the other end thereof to the spring 4, which is inserted in a hole in the under part of the rail at *w*, so arranging the cord as to bring the table to the required angle to use it as a fan.

Having thus described the construction of my bedstead, I will proceed to a description of the manner of treating a patient upon it.

The invalid we will suppose is lying upon the frame *e*, and desires to be raised to a sitting position for change or partaking of a meal. I apply my crank to the axle of the roller *h* at the head of the bed, and turning it, by means of the cords running over the pulleys, I raise him by the lesser frame *g* to the position shown by the dotted lines. He is at rest, and can then use the fan-table *p*, which when not required is returned upon its axis to a longitudinal position at the foot of the bed.

If the patient or invalid desires to lie down, I merely reverse the roller with the crank, and his own weight brings him gently upon the bed beneath. If he desires to attend the calls of nature, all that is required is to tighten the canvas by using the roller *k*. Then by means of the roller *b* he is raised from the bed by raising the canvas and frame sufficiently high to allow the introduction of a vessel for that purpose, upon the withdrawal of which he is by the same means lowered upon the bed. In this occupation he may be either in a sitting or reclining posture, as choice may direct. When it is desirable to renovate the bed, by means of the roller *b* and its appliances he can be raised to the necessary height for that purpose—as high even as shown by the dotted lines at *g* and *e*. The bed can then be “made” without disturbing the occupant, and he or

she be replaced thereon without even awakening, as has been already proved by actual operation.

I do not claim the principle of raising the patient by the cords and pulleys; but

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

1. The construction of hospital-bedsteads with grooved posts with pulleys set therein, as hereinbefore described, for the purpose of setting the cords out of the way of attendants.

2. The application of the fan-table *p* to such bedsteads, in the manner and for the purposes specified.

JOHN SEBO.

Witnesses:

SAMUEL HILLIS,
WM. B. WIGGINS.