

A. Iske,
Invalid Bedstead,
N^o 49,412, *Patented Aug. 15, 1865.*

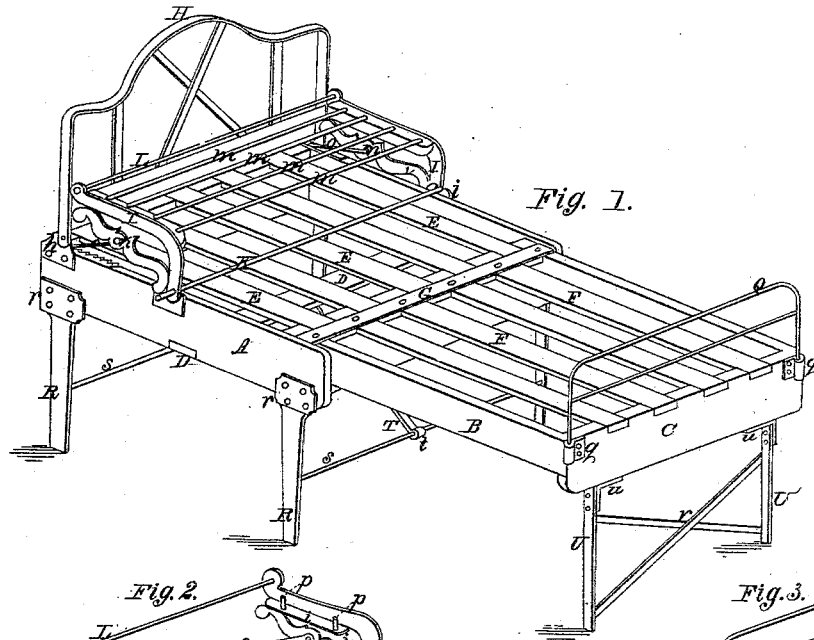


Fig. 1.

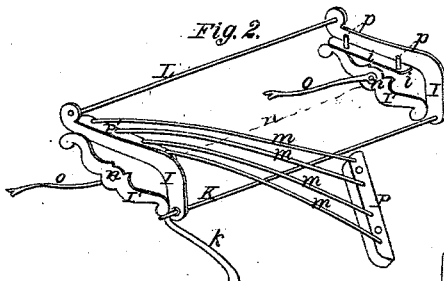


Fig. 2.

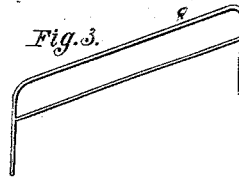


Fig. 3.

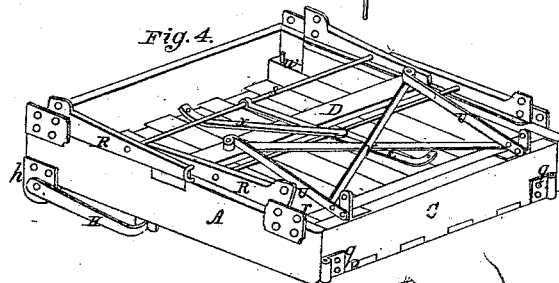


Fig. 4.

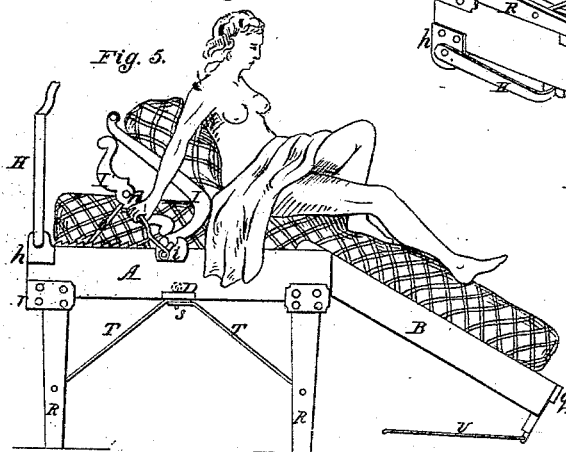


Fig. 5.

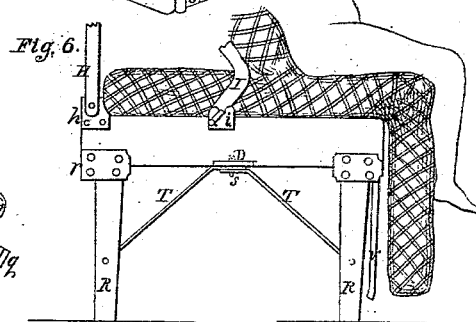


Fig. 6.

Witnesses:
Wm. B. Wiley
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Inventor:
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UNITED STATES PATENT OFFICE.

ANTHONY ISKE, OF LANCASTER, PENNSYLVANIA.

IMPROVEMENT IN HOSPITAL-BEDSTEADS.

Specification forming part of Letters Patent No. 49,412, dated August 15, 1865.

To all whom it may concern:

Be it known that I, ANTHONY ISKE, of Lancaster, in the county of Lancaster and State of Pennsylvania, have invented a new and Improved Portable Extension and Adjustable Bedstead for Hospital and other Purposes; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a perspective view of the bedstead extended, showing the several parts in place; Fig. 2, the adjustable pillow-support, with one of the blocks P removed from the pegs *p* in the flange to the arms I, showing the ornamental sides, pawl or click-rods *o*, and lever *k* on the binding-rod K or cross-brace K. L shows another cross-brace. Fig. 3 is the foot-board or rods Q removed from the sockets *q* on the frame C. Fig. 4 shows the under side when closed up and the jointed legs, &c., folded in for transportation. Fig. 5 illustrates the operation of the lever *k* to raise the pillow-supports I, the portion B lowered for surgical operation or other purposes. Fig. 6 illustrates the same closed up and the patient in a sitting posture.

The cross-bar G, Fig. 1, unites the slats F on section B.

The object of my invention is to supply a want of a suitable hospital-bed, to which our county commissioners call my attention. After study and trial I submitted the same to their inspection, and it proved highly satisfactory.

The drawings clearly show the construction of the several parts. The whole may be constructed of light castings or wrought-iron, or portions in wood, at the option of the builder. The head-frame A is necessarily a little wider, and the slats E so arranged that the sides B and foot-frame C, with its slats F, will fill the spaces in the head-frame and slats, as shown in Fig. 6, where the frame B C is slid close up into the frame A, the slats forming a level top.

The mattress may be made with a cross-hinge (when stiff) to fall down over the end when the foot portion is shoved in.

The bolster-frame, Fig. 2, for the support of the pillows has two armed sides, I, with a flange, I', and pegs *p*, for the support of a block, P, on each side, united by webbing or elastic

straps *m m*, on which straps the pillows are laid, thereby avoiding the use of a bolster.

The arms I are held together by rods L K. The ends of K are prolonged and square, to which a lever, *k*, is affixed. This rod rests in a notched plate, *i*, on the frame A, on which frame there is also a horizontal ratchet, into which the click-rod or pawl *o* is set, and affixed by a pivot, *n*, to the ornamental arm-brace I'. This pawl or click *o* may also be affixed to a rod extending from one side to the other, and both operated simultaneously by a lever attachment also. (Shown by the dotted line *n*, Fig. 2.) The arms I move in the notched plates *i*, and form nearly a right angle, so as to support the back and shoulders in every position, being adapted to the human frame and its flexures, whether in a reclined or sitting posture, graduated by the click-and-ratchet attachment, and held at any desired position, either as set by the patient himself or the attendant, with ease.

The mattress lies upon the rod K and under the rod L and cross-web *m*. To adjust the mattress the block P, with its attached webbing *m*, may be lifted from its pegs *p* out of the way, and readily replaced. The head frame or board H is so hinged as to fold inward but not outward, being made to rest against a shouldered plate. The legs R and U are affixed by pivots, on which they move, and held in place by the hinged braces T, affixed by a pin to the cross-board D in frame A from the cross-braces *s*, or by means of bolts thrust through the vacant holes *r* in the legs, and in the plate *r* on the frame, to which plates the legs are pivoted. The foot board or frame Q is held in a socket-plate, *q*, on each side of the frame C, and easily put on or removed. For surgical or obstetrical cases the legs U are folded under and the frame B drops down, held in place by check-pins *w*, (one shown in Fig. 4,) resting on the rear cross frame or section, A, with the mattress inclined in like manner, (shown by Fig. 5,) or the patient may be brought into a sitting posture, as shown by Fig. 6. In short, it will be found adapted to every desirable position, easily managed by the weakest nurse, and is believed to be of peculiar service in hospitals or the sick-chamber. The bolster-frame, Fig. 2, can be readily applied to common bedsteads, and is

in itself a desirable improvement, with its lever click-and-ratchet attachment.

The head-board H may be dispensed with, as the bolster-support will answer instead. (Shown by Fig. 2.) The foot-board Q may also be made adjustable, to support the patient's feet when in a reclined or sitting position, by means of side sockets.

It will be seen that the two sections A and B are wholly unconnected, and may be removed from each other, section B being simply laid or fitted into section A, the side rails of B sliding in a notch on the rear cross-piece of section, A. The cross-bar G, Fig. 1, simply holds the slats F in place on section B. The pin *w* on each rail is simply to check or arrest the section from being drawn out altogether when it is to be extended to its full extent. This is, therefore, no folding bedstead, but of two independent sections.

I am aware that folding bedsteads, variously hinged, are not new, both wooden and metallic, for the use of ships, hospitals, or invalids.

I am also aware that ratchets, pawls, pulleys, windlasses, &c., have been applied in various manners for raising and adjusting certain portions. I therefore do not claim a folding bedstead, nor the pawl and ratchet independently considered.

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

1. A bedstead of two independent sections, A B, fitting and sliding into each other in the manner and for the purpose specified, in combination with their folding legs R U and head board or frame H and removable foot board or frame Q.

2. The pillow-support formed by the arms I, braces L K, block P, and bands or webbing *m m*, all arranged and operating substantially in the manner and for the purpose specified.

ANTHONY ISKE.

Witnesses:

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JACOB STAUFFER.