

Patented May 30, 1871.

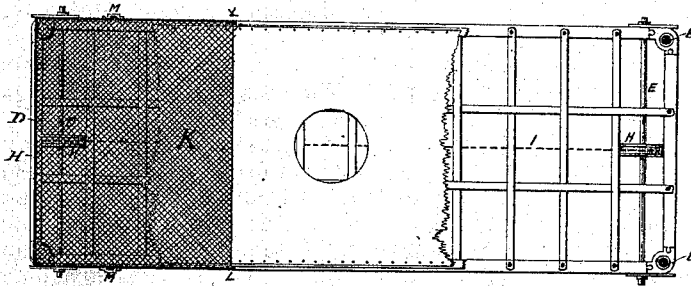


Figure 3.

"Inventor."

George Smith
by Ridout & Howard.
his attorneys in fact.

Claud. T. Cayley.
Edw. B. Fumekland. } Witnesses.

UNITED STATES PATENT OFFICE.

GEORGE SMITH, OF STRATFORD, CANADA.

IMPROVEMENT IN INVALID BEDSTEADS.

Specification forming part of Letters Patent No. 115,371, dated May 30, 1871.

I, GEORGE SMITH, of the town of Stratford, in the county of Perth, in the Province of Ontario and Dominion of Canada, surgeon, have invented certain Improvements in Beds, of which the following is a specification:

Nature and Objects of the Invention.

The object of my invention is to provide a bedstead suitable for invalids, constructed in such a manner that the invalid may be raised or lowered, the bed-clothes changed, and various other services which are necessary in a sick-room performed, without in any way inconveniencing or disturbing the patient.

Description of the Accompanying Drawing.

Figure I, side elevation. Fig. II, transverse section. Fig. III, plan showing portion of top, with canvas and head-rest.

General Description.

The main portion of the bedstead may be constructed, like any ordinary iron, brass, or even wooden one, with the legs such a shape that they will accommodate the attachment of my improvements. I have chosen an iron bedstead to illustrate my invention. In it the legs A are hollow, and belong to the lower or bedstead proper. Into these hollow legs are fitted the legs B, which support the frame c, upon which the invalid will lie. The shafts D and E are fitted into journals properly attached to the bedstead, and have cog-wheels F keyed to them, which gear into the racks G, one into each leg or support B, as shown

in Fig. II. I also place upon the shafts D and E two pulleys, H, around which passes the cord, chain, or belt I, connecting the two shafts D and E. The handle J will fit any end of the two shafts D and E; consequently, the whole being connected, as described, by placing the handle J on any end of the two shafts D and E and turning it (the handle J) in the proper direction, the frame c can be raised or lowered, in order that the bedding may be changed or other necessary offices performed. K is the head or pillow-rest, made of netting upon a light frame hinged at L, the supports M on either side of the bedstead holding the said rest at any angle desired.

Claim.

The combination of the legs A, made hollow to receive the supports or legs B, which have racks cut upon them, cog-wheels F which gear into the racks on the said legs B, the two shafts D and E upon which are the two pulleys H, around which passes the cord, chain, or belt I, connecting the aforesaid combination in such a manner that upon placing the handle J on any end of the shafts D or E and turning the said handle in the proper direction the frame c can be raised or lowered at will, and the head or pillow-rest K, connected to and forming part of the aforesaid combination, as described.

GEORGE SMITH.

Witnesses:

R. R. LANG,
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