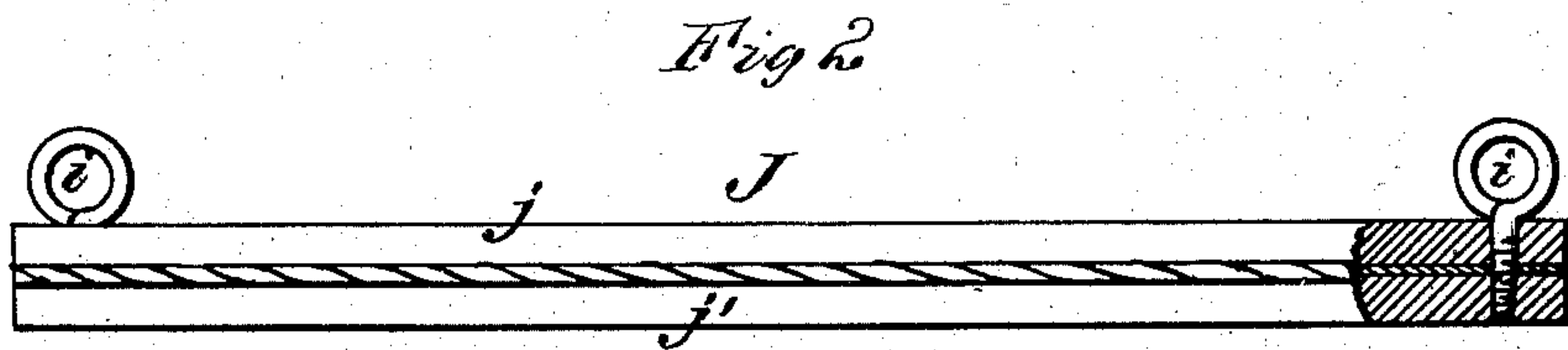
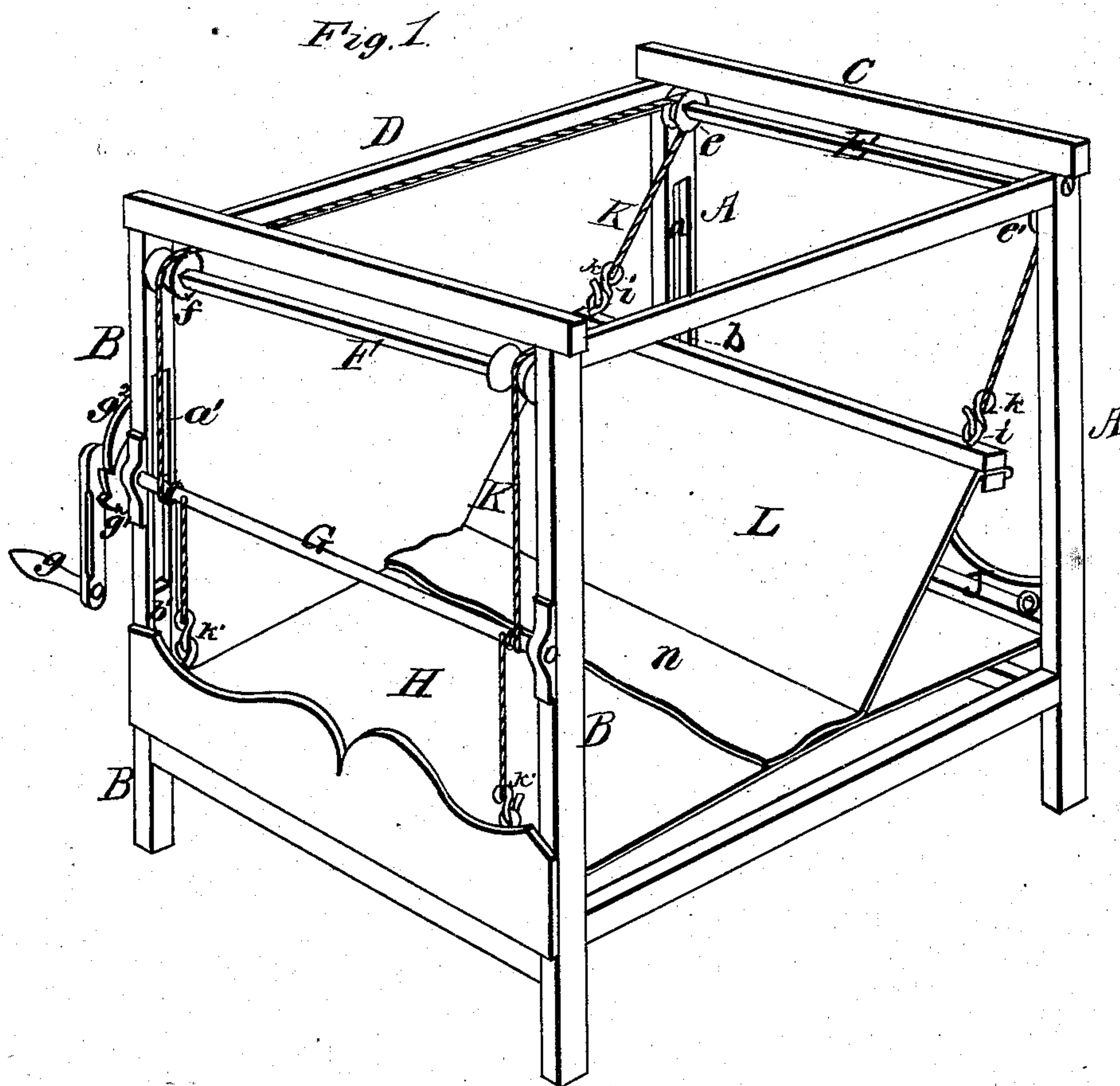


G. PENCE.
Invalid-Bedstead.

No. 164,760.

Patented June 22, 1875.



WITNESSES
Robert Everett
E. H. Bates

INVENTOR
George Pence,
Chipman & Fossum & Co.,
ATTORNEYS

UNITED STATES PATENT OFFICE.

GEORGE PENCE, OF GILMAN, IOWA.

IMPROVEMENT IN INVALID-BEDSTEADS.

Specification forming part of Letters Patent No. **164,760**, dated June 22, 1875; application filed July 11, 1874.

To all whom it may concern:

Be it known that I, GEORGE PENCE, of Gilman, in the county of Marshall and State of Iowa, have invented a new and valuable Improvement in Invalid-Bedsteads; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 is a perspective view of my improved invalid-bedstead. Fig. 2 is a detail view, showing the clamping-bars and hooks.

This invention has relation to invalid-bedsteads; and the nature of the invention consists in certain improvements in the construction of such bedsteads, as will be hereinafter more fully explained and claimed.

In the annexed drawings, A designates the head-posts, and B the foot-posts, of the bedstead, connected together by the usual head and foot boards and side rails; and their inner surfaces are provided with vertical grooves *a a'*, which receive the vertically-sliding blocks *b b'*, for a purpose hereinafter to be explained. E designates a pulley-shaft, having pulley-wheels *e e'* at both ends, which is rigidly secured to the head-posts A, near their upper ends, below the braces. C, D, and F designate another shaft, similarly applied between the posts B, having similar pulley-wheels, *f*. Between the mattress-bed and the pulley-shaft F of the foot-posts B, a winding-shaft, G, having its bearings upon the said posts B, is applied, operated by a crank-arm, *g*, and prevented from unwinding a cord upon it by means of a ratchet-wheel, *g*¹, rigidly secured upon the said shaft, and a pawl, *g*², upon the post B. H designates a sheet, which is spread

upon a mattress in the usual manner, and upon which the occupant of a bed will lie. Both ends of this sheet are removably secured, next the head and foot boards, to horizontal cross-bars J, consisting of an upper plate, *j*, and a lower plate, *j'*, between which the ends of the sheet are firmly secured by means of ring or eye screws *i i'*. The lower plates *j'* of the bars J are pivoted to the slides *b b'*. K designates cords, which, when the winding-shaft is applied upon the foot-posts of the bed, are attached, by means of hooks *k*, to the eye-screws *i* upon the rod J at the head of the bed, passing thence upward over the pulleys *e e'*, the pulleys *f* at the foot of the bed, thence downward to the winding-shaft G, around which they are wound, their free ends being secured by means of hooks *k'* thereon, which are engaged in the eyes *i'*, to the rod J at the foot of the bed. It will be evident that a reversal of this arrangement will obtain when the winding-shaft is situated at the other end of the bed.

The before-mentioned horizontal transverse bars J are preferably pivoted to the slide-blocks *b b'*; but I may rigidly secure them thereto should it prove desirable.

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

The combination of the eye-screws *i i'* with the sections *j j'* of the rods J, sheet H, and hooks *k k'* upon the ends of the cords K, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

GEORGE PENCE.

Witnesses:

C. W. WAGGONER,
H. H. GREGG.