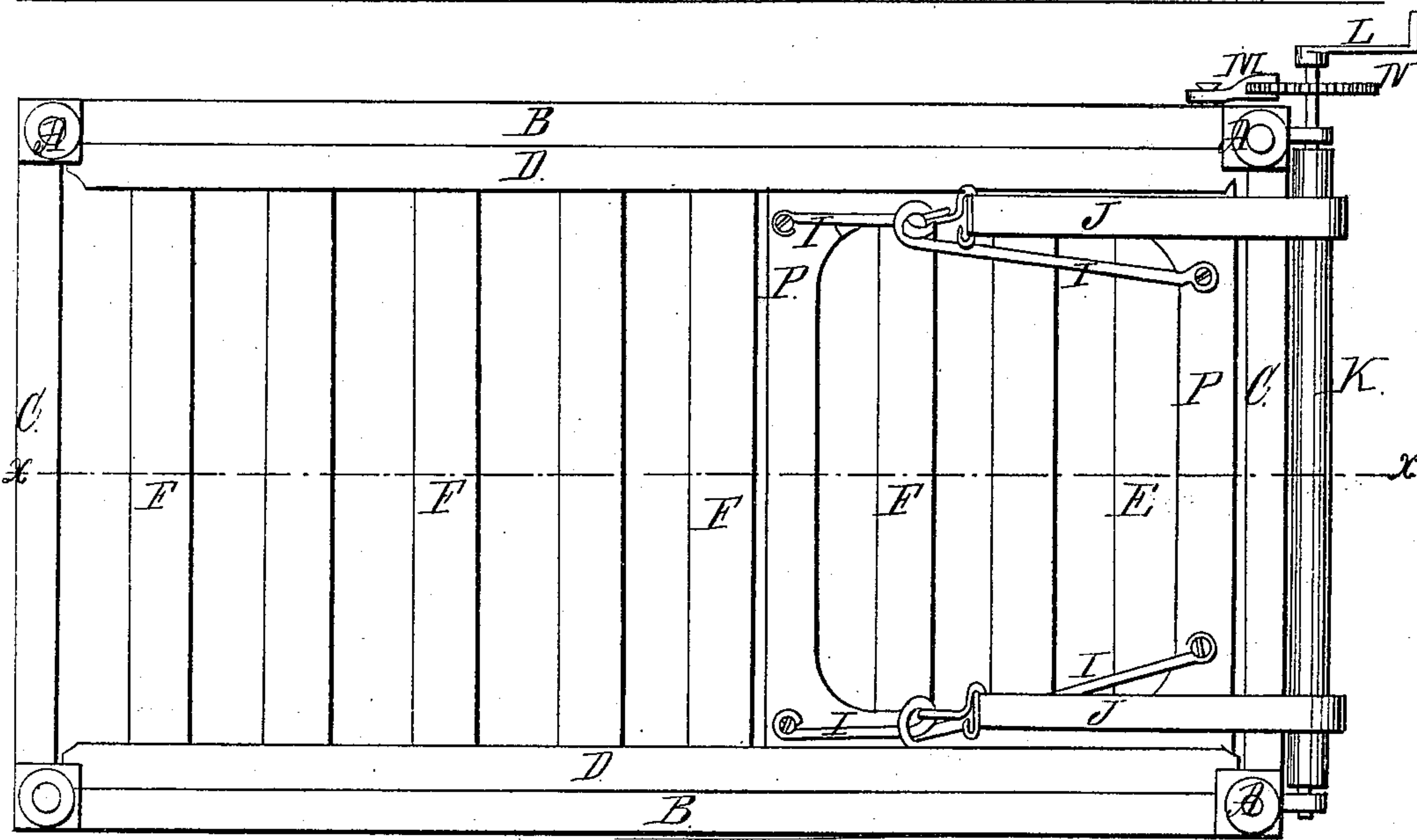
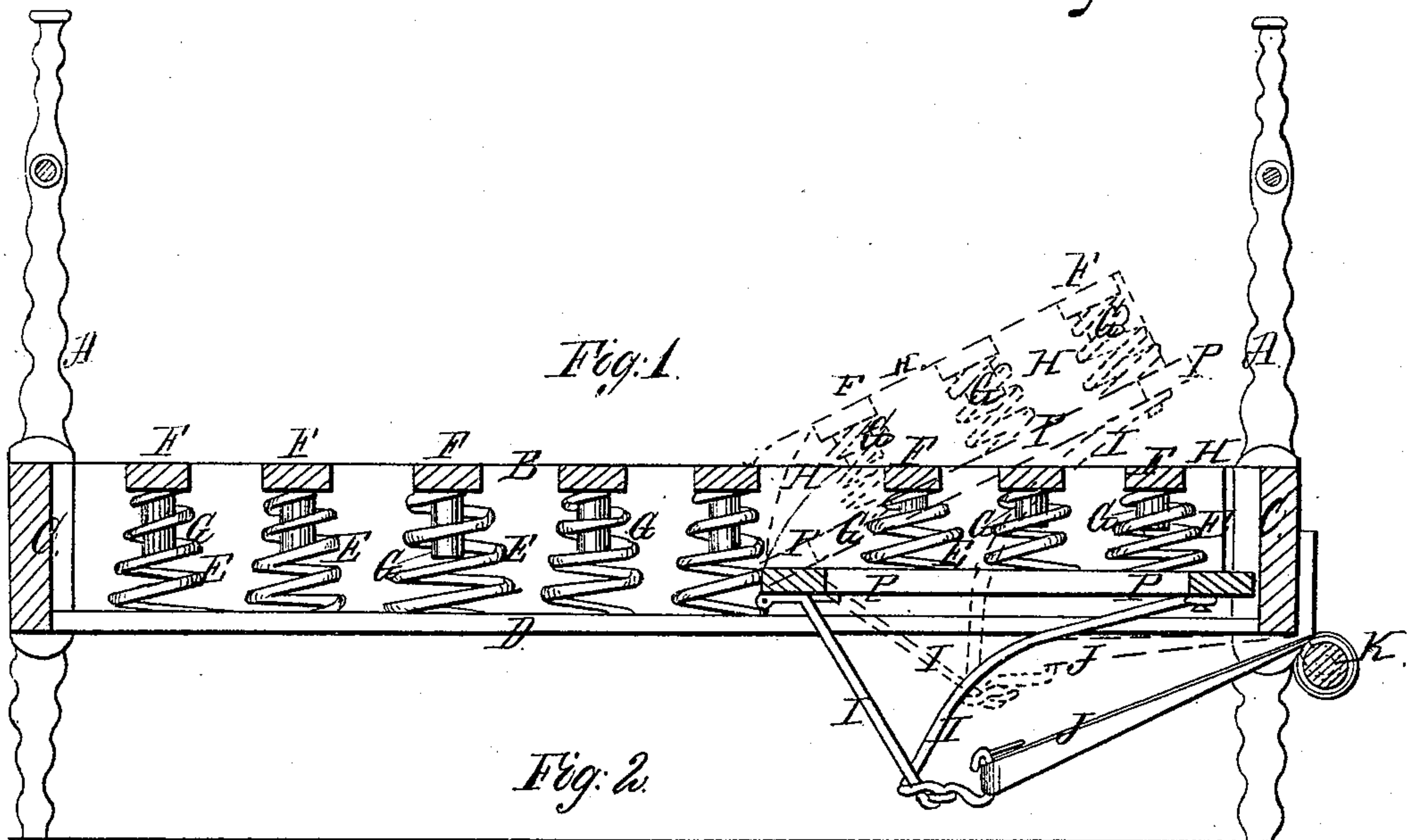


W.L. Thomas,

Bed Head-Section,

N^o 76,553,

Patented Apr. 7, 1868.



Witnesses:
 W. C. Asher
 J. Dean Overell

Inventor:
 W. L. Thomas
 per Wm. L. Thomas
 Attorney

United States Patent Office.

WILLIAM L. THOMAS, OF MIDDLEBURY, OHIO.

Letters Patent No. 76,553, dated April 7, 1868.

IMPROVED BEDSTEAD.

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

TO ALL WHOM IT MAY CONCERN:

Be it known that I, WILLIAM L. THOMAS, of Middlebury, in the county of Summit, and State of Ohio, have invented a new and useful Improvement in Bedsteads; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings forming part of this specification; in which—

Figure 1 is a vertical longitudinal section of my improved bedstead, taken through the line *x x*, fig. 2.

Figure 2 is a view of the under side or bottom of the same.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish an improved bedstead, so constructed and arranged that the head part of the bed may be raised much or little to vary the position of the person lying upon the said bed, as desired; and it consists in the construction and combination of the parts by which this is effected, as hereinafter more fully described.

A are the posts, B are the side-rails or boards, and C are the end-rails or boards of the bedstead, about the construction of which parts there is nothing new.

D are side-bars, attached to the inner sides of the side-rails B of the bedstead, upon which bars rest, and to which are attached the lower ends of the coiled springs E, that support the ends of the spring-slats F, that form the foot part of the bed-bottom. The spring-slats F are kept in place upon the springs E by means of short pins, G, attached to said slats, and which enter the upper ends of the said springs.

The ends of the slats F are made to move up and down vertically by having their ends enter vertical grooves in the inner sides of the side-rails B. If desired, triangular guides may be attached to the inner sides of the side-rails B, which enter angular notches in the ends of the spring-slats F, to guide said slats in their up-and-down movement.

P is a frame, the side of which that is towards the middle part of the bedstead, is hinged to the supporting-bars or rails D, and which, when lowered into a horizontal position, rests upon the said supporting-rails D. To the ends of the frame P are attached side-bars H, with which, and with the frame P, the spring-slats F and coiled springs E are connected in the manner hereinbefore described with reference to the slats at the foot part of the bedstead.

To the under side of the hinged frame P are securely attached downwardly-projecting braced arms I, to the ends of which are attached the ends of the straps or cords J, the other ends of which are attached to the shaft K. The shaft K revolves in bearings attached to the outer side of the head-posts A. The shaft K is revolved to raise and lower the head part of the bed-bottom by means of a crank, L, attached to its projecting end, and it is held in any position to which it may be revolved by a pawl, M, pivoted to the post A, and taking hold of the teeth of a ratchet-wheel, N, attached to said shaft. By this construction, by revolving the shaft K in one direction, the straps or cords J will be wound around it, drawing the lower ends of the braced arms I forward, and raising the head end of the hinged part of the bed-bottom. By turning the shaft K in the other direction, the cords or straps J will be unwound from it, allowing the said hinged part of the said bed-bottom to settle back, as desired.

This construction allows the head part of the bed-bottom to be raised or lowered little or much, to change the position of the invalid without disturbing him in the least.

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

The bedstead, constructed as described, and consisting of the side-rails B, strips D, end-rails C, posts A, slats F, having pins G, springs E, hinged section P H, also provided with spring-slats F E G, arms I, straps J, shaft K, ratchet and pawl M N, and crank L, when said side-rails B are provided on the inner face with guides for the ends of the spring-slats E, all arranged and operating as set forth.

WILLIAM L. THOMAS.

Witnesses:

DANIEL S. DAVIS,

REESE ROBERTS.