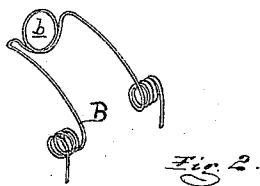
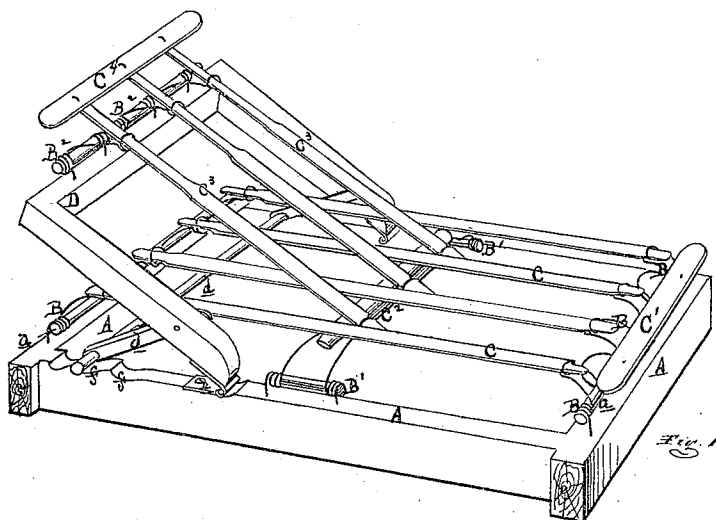


D. FRANKFODER & G. W. McGEORGE.

Improvement in Bed-Bottoms.

No. 133,090.

Patented Nov. 19, 1872.



ATTEST:
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UNITED STATES PATENT OFFICE.

DAVID FRANKFODER AND GEORGE W. McGEORGE, OF WAKARUSA, IND.

IMPROVEMENT IN BED-BOTTOMS.

Specification forming part of Letters Patent No. 133,090, dated November 19, 1872.

To all whom it may concern:

Be it known that we, DAVID FRANKFODER and GEORGE W. McGEORGE, of Wakarusa, in the county of Elkhart and State of Indiana, have invented a new and useful Improvement in Spring Bed-Bottoms; and we do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon and being a part of this specification, in which—

Figure 1 is a perspective view of our improvement with the bolster raised, and Fig. 2 is a detached perspective view of one of the springs.

Like letters refer to like parts in each figure.

The nature of this invention relates to an improvement in the construction of spring bed-bottoms, and to an adjustable bolster to be used in connection therewith. The object of the invention is to render the bed-bottom more elastic from the middle to the head, where more elasticity is needed than elsewhere, and also to raise the head of the occupant more or less above the horizontal plane, and for invalids to elevate the bolster to a sitting position. The invention consists in the general construction and arrangement of the several parts, as more fully hereinafter set forth.

In the drawing, A represents the rectangular frame of our bed-bottom, in the head and foot pieces of which are inserted the ends of the double helical springs B B, &c., through the spirals of which a cylindrical rod, *a*, is run. These springs are of the usual construction, except that in the bale of each an eye, *b*, Fig. 2, is coiled, as shown. C C, &c., are longitudinal slats of elastic wood, having their ends tapered and rounded for insertion in the eyes of the springs, which support them in place. At the foot of the frame a foot-slat, C¹, is supported across the ends of, but beyond the slats C, by means of C-springs *c*, to support the lower extremity of the mattress. A little nearer the head, from the center of each

side rail of the frame, we insert in the latter a spring, B¹, like those first described, with their bales pointing inwardly to receive a cross-bar, C², which passes under and supports the longitudinal slats. By employing this cross-bar a lesser number of longitudinal slats are required, and they are supported at the point where the superimposed weight is greatest. D is a bolster-frame, formed of wooden bars mortised together to make three sides of a rectangle, the ends of which are pivoted or hinged to the main frame at *e*. A smaller and lighter frame, *d*, is pivoted to the side bars of the bolster-frame, for which it forms a prop, the ends of the cross-bar engaging with ratchet-notches *f* cut in the edges of the side bars of the main frame, so that the bolster-frame may rest horizontally on the main frame or be supported between the horizontal and vertical planes at any desired angle. The end bar of the bolster-frame is provided with springs B², of the same style as the others, through the eyes of which project short slats C³, whose ends are connected by a cross-slat, C⁴. The lower ends of the slats C³ are secured to the cross-bar C² between the main slats, which cross-bar is free to rotate in its supports with the movement of the bolster, which may be elevated to any desired position, and, when in the horizontal position, its slats, in connection with the main slats, give the upper half of the bed a better support, and a more elastic one than can otherwise be had.

What we claim as our invention, and desire to secure by Letters Patent, is—

The frame A, springs B, and slats C C¹, in combination with the hinged supporting-frame D, prop-frame *d*, springs B², slats C³ C⁴, and cross-bar C², arranged and operating in the manner and for the purpose set forth.

DAVID FRANKFODER.
GEORGE W. McGEORGE.

Witnesses:

B. F. MOYER,
THOMAS INKS.