(No Model.)

E. F. MEIER.

HEAD SECTION FOR BEDS.

No. 260,405. Patented July 4, 1882.

Fig. 1.

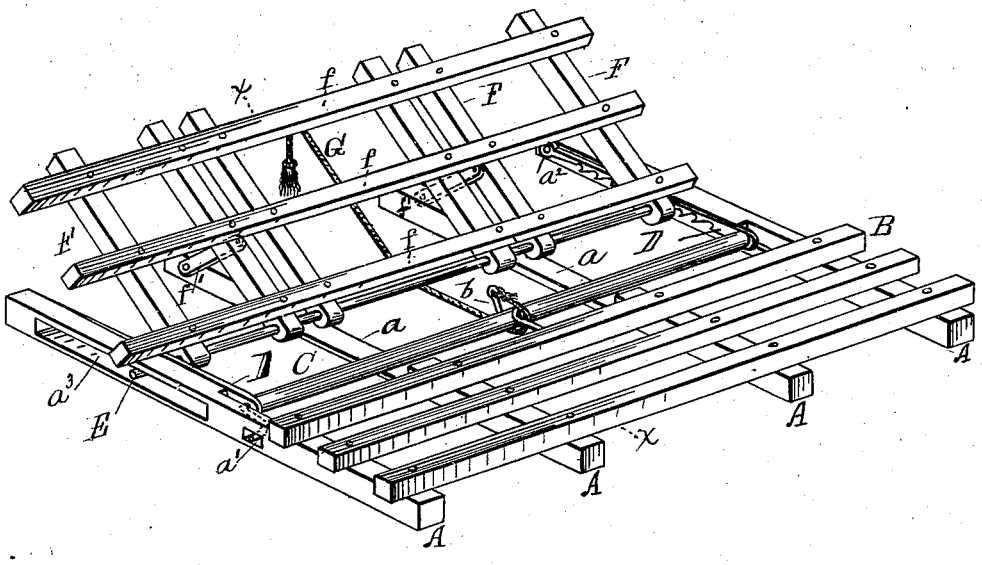
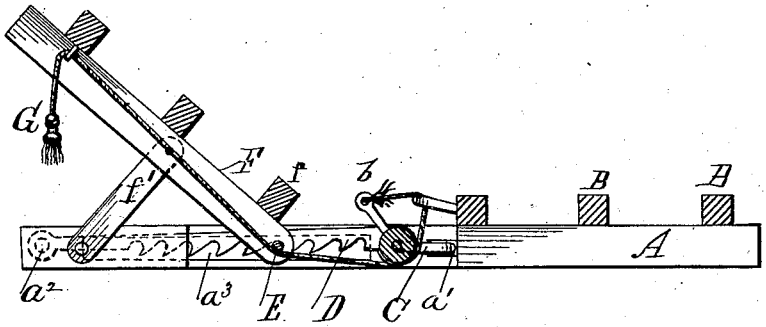


Fig. 2



Witnesses.
E. B. Stocking
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UNITED STATES PATENT OFFICE.

ERNST F. MEIER, OF BELVIDERE, ILLINOIS.

HEAD-SECTION FOR BEDS.

SPECIFICATION forming part of Letters Patent No. 260,405, dated July 4, 1882.

Application filed May 15, 1882. (No model.)

To all whom it may concern:

Be it known that I, ERNST F. MEIER, a citizen of the United States of America, residing at Belvidere, in the county of Boone and State of Illinois, have invented certain new and useful Improvements in Head-Sections for Beds; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

My invention has reference to head-sections of bed-bottoms; and it consists in certain features hereinafter described, and specifically set forth in the claims.

Figure 1 is a perspective of a bed-bottom provided with my improved head-section. Fig. 2 is a section on a line X X, Fig. 1.

A A represent longitudinal bars or slots of a bed-bottom. B B represent transverse bars thereof. The bars A are mortised at *a* for the reception of a transverse crank-shaft, C, which is pivoted in the bars A and in slots *a'* therein, and to the said crank-shaft is pivotally secured one end of a ratchet-bar, D, the other end of which is pivoted at a^2 to the outer longitudinal bars, A. These bars are also slotted at a^3 longitudinally and transversely for the reception therein of the rod E, to which the head-section proper is secured by the passage of said bar through its longitudinal bars F, which are retained in position relative to each other by the transverse bars *f*, which may extend the entire width of the bed, as shown, or be divided into equal halves of said width, and the remaining elements may be duplicated in such a manner, as is clearly evident from the following description, so that either half of the head-section may be elevated independent of the other half.

To the rear end of the longitudinal bars A of the bed-bottom are pivotally secured links *f'*, which are also pivotally secured at about the center of and to the longitudinal bars of the head-section. A cord, G, is attached to the arm of the rock-shaft at *b*, and passes through an eye at the rear of the first transverse beam of the bed-bottom, and passes thence through an eye at the rear of the head-section, where it is easily accessible for operation. This being the construction, the operation is as follows: By raising the head-section the links *f'* cause its lower edge to slide backward, such a movement also being determined by the slide of the rod to which the section is secured in the longitudinal slots of the horizontal bars of the bed-bottom. In moving backward, said rod passes the teeth of the ratchet-bar and elevates the end thereof which is attached to the rock-shaft, and this elevates the rock-shaft and draws the bearing end of its crank in its slot in the horizontal bars backward. When the section is elevated to the desired degree the weight of the rock-shaft causes the ratchet-bar on either end of the rod in the head-section to fall so that said rod is caught within the teeth of the ratchet and retained at desired positions. In this manner the head-section is elevated, and it may be depressed by simply drawing upon the cord G, which draws upon the arm of the rock-shaft and elevates it and the connecting ratchet-bars, leaving the path of the rod of the head-section in its slots in the horizontal bars unobstructed when the head-section is depressed to a horizontal position.

Having described my invention and its operation, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination, with the horizontal bars of the bed-bottom, of the rock-shaft pivotally supported in longitudinal slots in the outer bars of the bed-bottom, pivotally connected to the ratchet-bars, which are pivotally secured to the head and end of the bars of the bottom, and a head-section supported upon a transverse rod running in horizontal transverse slots in the bars of the bottom, and adapted to catch into the teeth of the ratchet-bar, substantially as shown and described.

2. In combination with the longitudinal bars of the bed-bottom and the crank-shaft secured therein, and adapted to be elevated and depressed, the ratchet-bars connected to the crank-shaft and pivotally secured to the bar of the bottom, and a head-section provided with means for engaging in the ratchet-bar, and con-

nected to the bars of the bottom by links, substantially as shown and described.

3. The combination of the bars A A, slotted longitudinally and transversely at $a\,a'\,a^3$, with a crank-shaft provided with an arm, b, the cord G, the ratchet-bars D, the head-section provided with the rod E, and the connecting-links f', substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

ERNST F. MEIER.

Witnesses:
FRANK LAMPERT,
JOHN LEE.