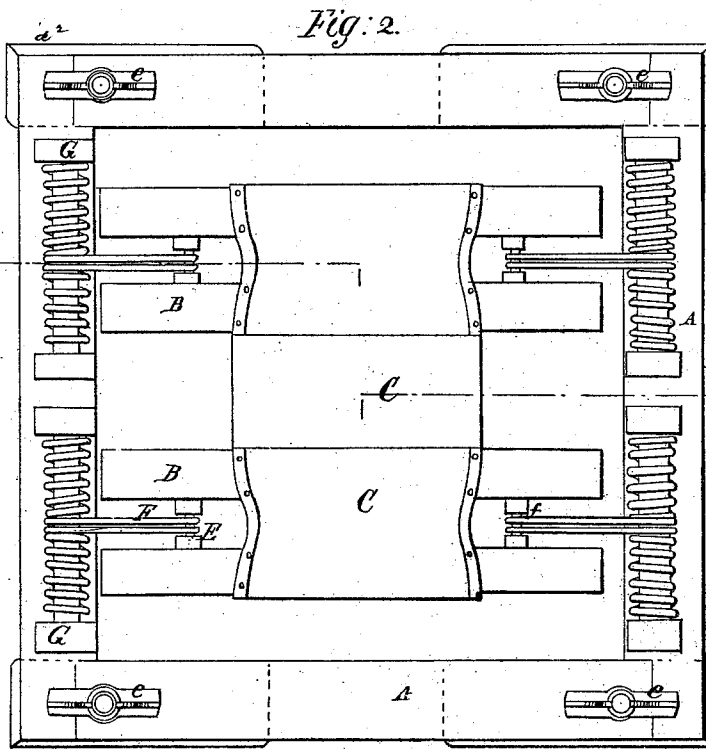
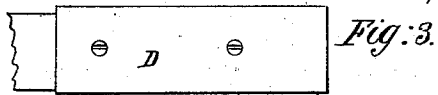
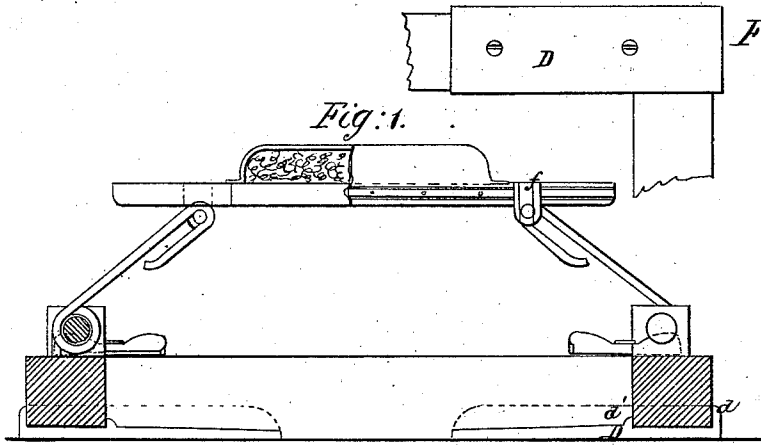


Moore & De Bow,

Bed Bottom,

N^o 78,753.

Patented June 9, 1868.



Witnesses;
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for A. Morgan

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United States Patent Office.

THOMAS B. MOORE AND GARRETT DE BOW, OF BRIDESBURG, PENNSYLVANIA.

Letters Patent No. 78,753, dated June 9, 1868.

IMPROVED BED-BOTTOM.

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

TO ALL WHOM IT MAY CONCERN:

Be it known that we, THOMAS B. MOORE and GARRETT DE BOW, of Bridesburg, in the county of Philadelphia, and State of Pennsylvania, have invented a new and useful Improvement in Bed-Bottoms; and we 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.

This invention relates to an improved manner of covering the padded slats of bed-bottoms, and joining the slats together by the covering, and securing the covering to the slats. Also, an improved manner of joining the frame together, and also an improvement in the means of suspending the slats upon the springs, and in the manner of supporting the springs on the rail of the frame. In the drawings—

Figure 2 represents a plain view of a bed-bottom with our improvements.

Figure 1, a section of the same, on the line *x x* of fig. 2; and

Figure 3, a detached portion of the frame.

Similar letters of reference indicate corresponding parts.

A represents the frame; B, the slats, which are padded and covered with cloth, C. The rails B are grooved on their edges, and the cloth secured to them by passing the end into the outside groove of the end or side slat, which groove is then filled by a strip of wood being forced into the said groove over the cloth, and secured by tacks, screws, or in any other suitable manner. The strip of cloth is then drawn over the stuffing, and secured to the other edge of the slat in the same manner; the edges being tacked to the slat across the same from side to side. The cloth covering is then continued to the next slat, and secured to it in the same manner, and thence to all the other slats, whereby they are all connected together, in consequence of which any undue lateral strain upon one slat is distributed through the whole number, and a less injurious effect results therefrom.

The manner of joining the frame together consists in providing the end rails on the lower sides with the metallic plates provided with the lips *d d'*, and the right-angled flange *d''*, and with the buttons *e*, at each end on the upper face. The ends of the rails are then halved together, and the lower face of the side rail provided with notches for the lips *d'* of the plate D, when the ends of the side rails, being let into the recesses between the ends of end rails and the short portion of the right-angled flange *d''* and the buttons *e* turned over them, the frame is rigidly joined together, but in a manner to be easily detached if desired.

E represents malleable-iron saddles, provided with reduced central portions *S*, whereby they are attached to the hooked portions of the springs F, and with the right-angled projections *f''* at the ends.

The slats are provided with vertical grooves on each edge, near each end, to fit the said projections of the saddles. When the latter have been hooked to the springs, the projections are turned upward, and the slats connected to them by forcing the said projections into the grooves, which are purposely made to fit tightly.

While the slats may be readily disconnected from the saddles by raising them up, they cannot become disconnected in their natural use, the pressure on them being in a downward direction; the side walls of the recesses in the slats maintaining the saddles always in a vertical position by their action on the projections *f''* of the saddles.

The improvement in the manner of supporting the springs on the rails consists in supporting the ends of the shaft, around which the springs are wound, in brackets or bearings G placed loosely on the frame, and maintaining them in their proper position on the rail by extending the ends of the spring through vertical holes in the rails by the sides of the said brackets, which forms a very simple and durable connection, and which may be readily detached.

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

1. The slats B of a bed-bottom, joined together by a continuous webbing, C, which also serves as the covering for the padding, substantially as and for the purpose described.

2. The covering for the slats of bed-bottoms, secured to the slats by means of the grooves in the edges of the slats, and the strips fastened therein, substantially as and for the purpose described.

3. The rails of a bed-bottom frame joined together by means of the metallic plate D, having the several lips and flanges described, and the button *a*, substantially as and for the purpose set forth.

4. The combination, with the slats B and springs F, of the saddle E, substantially as and for the purpose described.

5. The combination, with the springs and the rails, of the rod upon which the springs are wound, provided with the movable brackets G, and arranged in the said combination substantially as and for the purpose described.

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Witnesses:

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