

R. V. JENKS & W. A. MILLER.

Improvement in Bed-Bottoms.

No. 115,863.

Patented June 13, 1871.

Fig. 1

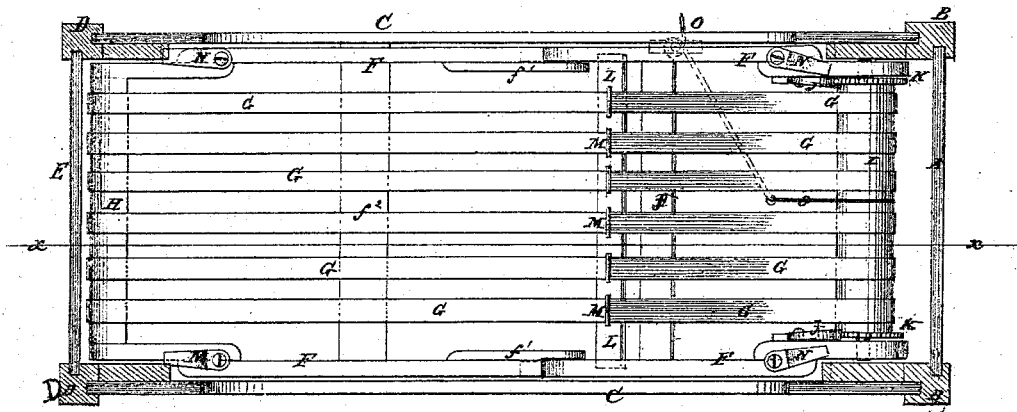


Fig. 2

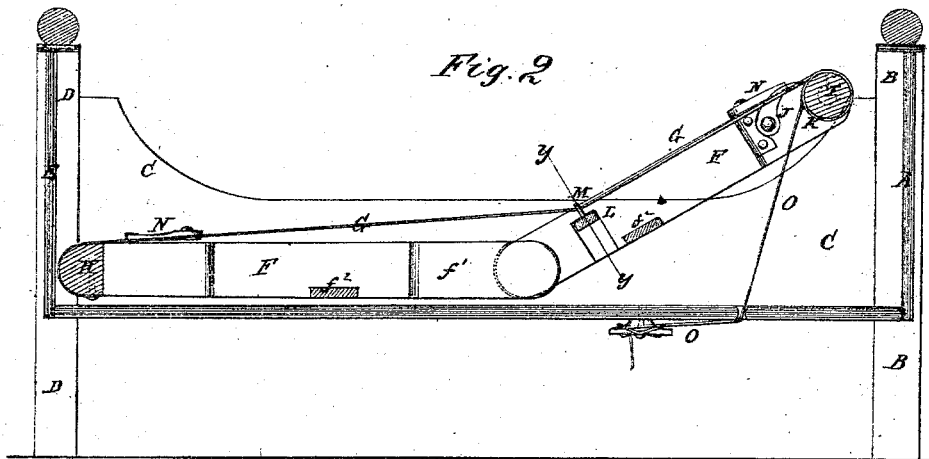
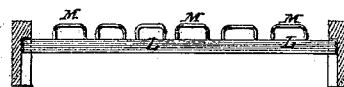


Fig. 3



Witnesses:

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PER

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# UNITED STATES PATENT OFFICE.

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## IMPROVEMENT IN BED-BOTTOMS.

Specification forming part of Letters Patent No. 115,863, dated June 13, 1871.

*To all whom it may concern:*

Be it known that we, ROBERT V. JENKS and WILLIAM ALLAN MILLER, of Paterson, in the county of Passaic and State of New Jersey, have invented a new and useful Improvement in Bed-Bottom; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

Figure 1 is a top view of our improved bed-bottom as connected with a bedstead. Fig. 2 is a longitudinal section of the same taken through the line *x x*, Fig. 1. Fig. 3 is a detail sectional view of the same taken through the line *y y*, Fig. 2.

Our invention has for its object to furnish an improved bed-bottom, which shall be so constructed that its head part may be raised and secured at any desired elevation, and which will enable the webbing that forms the bottom to be conveniently tightened should it become stretched or sagged; and it consists in the construction and combination of the various parts, as hereinafter more fully described.

A represents the head-board; B, the head-posts; C, the side rails; D, the foot-posts; and E, the foot-board of the bedstead, about the construction of which parts there is nothing new. F are the side rails of the bed-bottom, each of which is made in two parts, which are jointed to each other near its middle part, but a little toward the head end. This joint is formed by concaving the end of the foot part of said side pieces and rounding off the adjacent end of the head part, as shown in Fig. 2. The two adjacent ends are kept in place upon each other laterally by two strips, *f*<sup>1</sup>, attached to the inner sides of the concaved ends of the foot parts of said pieces, as shown in Figs. 1 and 2. The parts of the side pieces F are held in contact with each other longitudinally by the tension of the webbing G. The side pieces F are connected to each other by cross-piece *f*<sup>2</sup>, as shown in Figs. 1 and 2. The foot ends of the side pieces F are connected by the cross-piece H, the outer side of which is rounded off to form a smooth surface to receive the webbing G, the ends of which are tacked to the lower side of the said cross-

piece H. The head ends of the webbing G are attached to the roller I, the journals of which revolve in bearings in the head ends of the said side pieces F, so that the webbing G may be tightened or slackened by turning the roller I in one or the other direction. The roller is held from being revolved by weight upon the webbing G by the pawls J, pivoted to the side pieces F, and which take hold of the teeth of the ratchet-wheels K attached to the ends of the said roller I, as shown in Fig. 1. L is a cross-bar, the ends of which enter and work in grooves formed in the inner sides of the upper or head parts of the side bars F, and extending from the lower edge nearly to the upper edge of said pieces F. To the upper side of the cross-bar L are attached flat staples M, through which the webbing G is passed to hold the middle parts of the said webbing down when the head end of the bed-bottom is raised. When the bed-bottom is extended horizontally the cross-bar L can move down freely when weight is applied to the webbing. When the bed-bottom is arranged in a horizontal position it is held in position by buttons N attached to the side bars F, and which enter notches in the bedstead. When the head end of the bed-bottom is raised into an inclined position it is held securely in place by a cord, O, one end of which is wound around and attached to the roller I. The other end of the cord O passes down through a hole in a cross-bar or other board attached to the bedstead, and is secured to a belaying-cleat or other fastening attached to said bedstead. The head end of the bed-bottom is supported, when raised, by the tension of the webbing G, which tension is adjusted by turning the roller I.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

The two-part and pawled side rails F <sup>f</sup><sup>1</sup> J, webbing G, roller I, ratchets K, cross-pieces H <sup>f</sup><sup>2</sup>, and stapled cross-bar L M, all combined, constructed, and arranged as and for the purpose specified.

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Witnesses:

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