

A. M. DYE.
BED BOTTOM.

No. 26,575.

Patented Dec. 27, 1859.

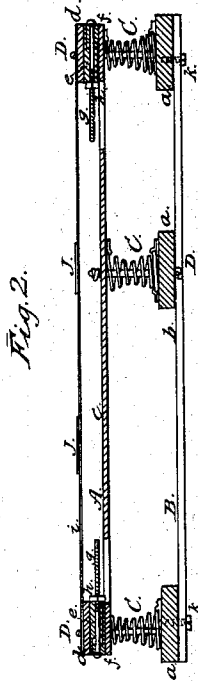


Fig. 2.

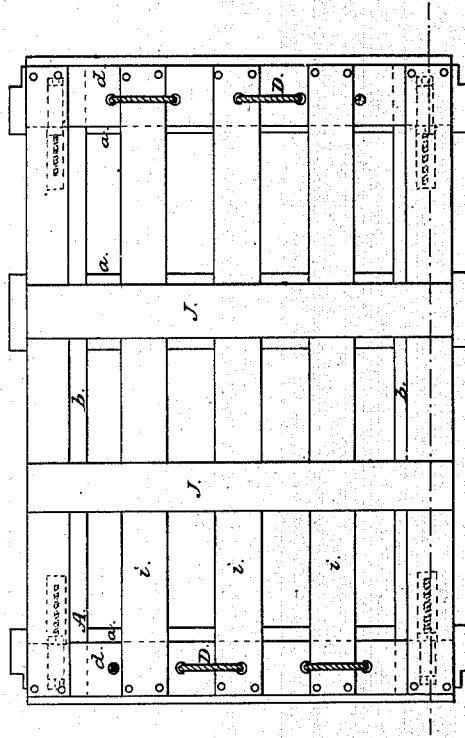


Fig. 3.

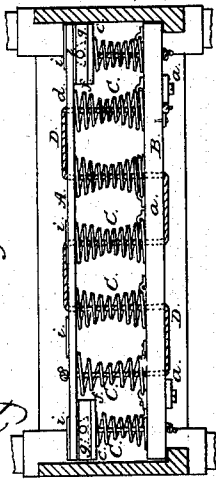


Fig. 1.

Witnesses
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UNITED STATES PATENT OFFICE.

A. M. DYE, OF CLINTON, ILLINOIS.

BED-BOTTOM.

Specification of Letters Patent No. 26,575, dated December 27, 1859.

To all whom it may concern:

Be it known that I, A. M. DYE, of Clinton, in the county of Dewitt and State of Illinois, have invented a new and Improved Bed-Bottom; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1, is an end view of my invention. Fig. 2, is a longitudinal vertical section of ditto taken in the line *x, x*, Fig. 3. Fig. 3, is a plan or top view of ditto.

Similar letters of reference indicate corresponding parts in all the several figures.

This invention relates to an improvement in that class of bed-bottoms in which wire upholstery springs are used to impart a requisite degree of elasticity. The object of the invention is to obtain a facile mode of straining or tightening the webbing of the bottom.

To enable those skilled in the art to fully understand and construct my invention I will proceed to describe it.

A, B, represents two horizontal quadrilateral wooden frames, A, being the top and B, the bottom frame. The bottom frame B, is formed of transverse bars, *a*, having longitudinal side strips *b, b*, attached. The upper frame A, is formed of two longitudinal side strips *c, c*, connected at their ends by transverse bars *d, d*. The bars *d, d*, of the frame A, are connected to their side strips *c, c*, by means of dovetail slides *e*, which are fitted in sockets or guides *f*, attached to the ends of the side strips *c*. Through the sockets or guides *f*, screws *g*, pass longitudinally, said screws also passing through the slides *e*, and having nuts *h*, on them, which nuts bear against the inner ends of the slides *e*, as shown clearly in Fig. 1.

To the bars *d, d*, strips of webbing *i*, are attached at suitable distances apart, and the strips *i*, have transverse stops *j*, of the same material attached to them, as shown clearly in Fig. 3. The sockets or guides *f*, which receive the sides *e*, are also of dovetail form corresponding inversely with the sides *e*, as shown clearly in Fig. 1, and the bars *d, d* are consequently kept down snugly on the side strips *c, c*.

From the above description it will be seen that the bars *d, d*, may be distended or forced

farther apart from each other by turning the nuts *h*, on the screws *g*, and the webbing *i*, consequently strained or stretched to the required degree of tension. The transverse bars *a*, at the ends of the side strips *b, b*, are also rendered adjustable on their side strips *b, b*, by means of set screws *k*, passing through oblong slots in the side strips. This adjustment of the bars *a*, is rendered necessary to compensate for the adjustment of the bars *d, d*.

To the transverse bars *a*, of the bottom frame B, biconical wire springs C, are attached. These springs are such as are generally used for upholstery purposes and their upper ends are connected to the bars *d, d*, of the upper frame A and to the transverse strips of webbing *j*. Through the bars *d, d*, and *a, a*, of the frames A, B, cords D, pass. These cords pass vertically through the springs C, as shown clearly in Fig. 1, one cord being employed for each row of springs, the cord passing through holes in the bars *d, d*. These cords may be lengthened or shortened by adjusting one or both of their ends and the two frames A, B, secured nearer together or farther apart as desired. The cords D, of the central springs C, pass through the transverse strips of webbing *j*. By adjusting the two frames A, B, nearer together or farther apart the strength of the springs C, may be graduated as desired so as to impart the required degree of elasticity to the bottom.

I do not claim broadly the biconical springs C, nor the employment or use of two frames A, B, with the springs C, interposed between them; neither do I claim the cords D, passing through the springs and bars as described; but,

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

The attaching of the transverse bars *d, d*, of the frame A, to the side strips *c, c*, by means of the dovetail slides *e*, and sockets or guides *f*; provided with the screws *g*, and attaching the bars *a*, of the frame B, to the side strips *b, b*, by means of the set screws *k*, substantially as and for the purpose specified.

A. M. DYE.

Witnesses:

JAMES M. NORTH,
BENJ. F. FORD.