

B. Gregg,
Bed Bottom,

No 80,944.

Patented Aug 11, 1868

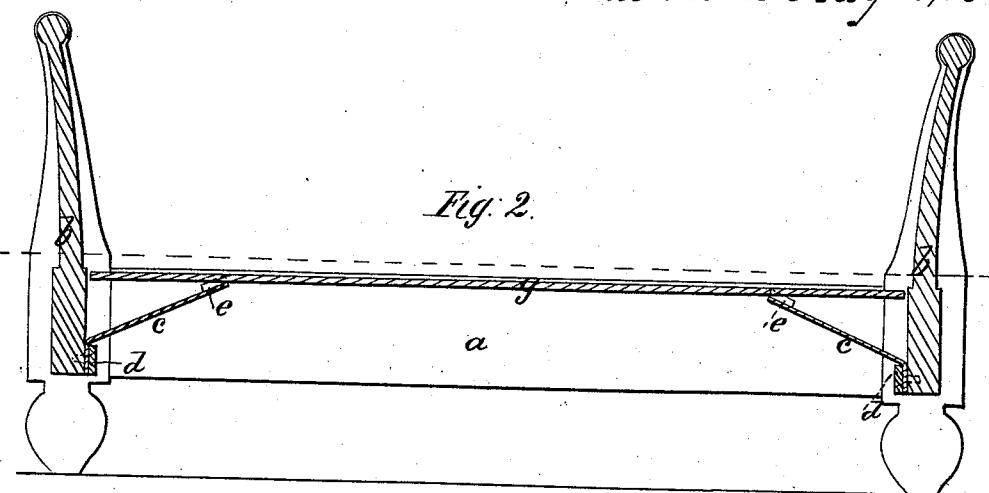


Fig. 2.

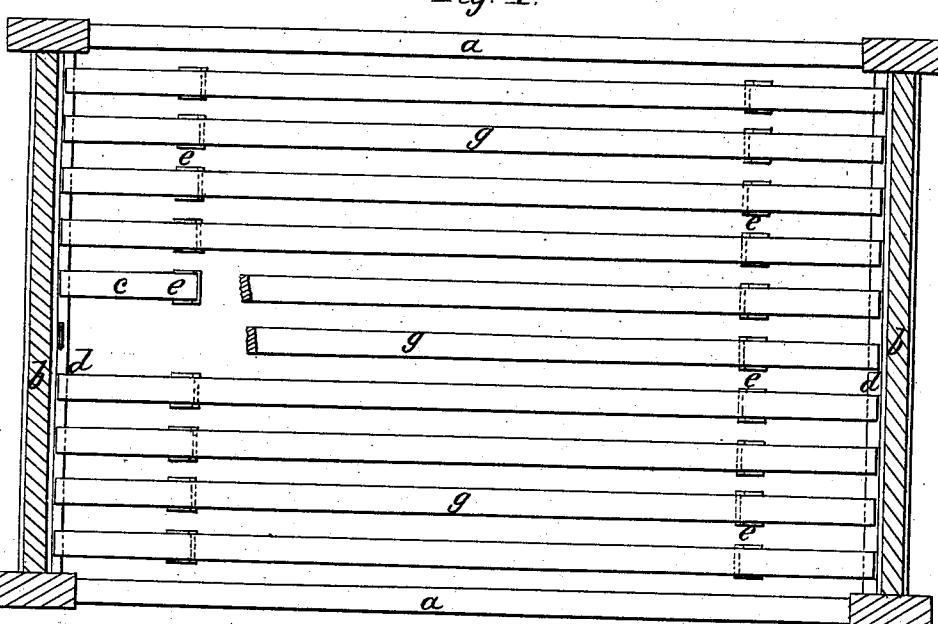
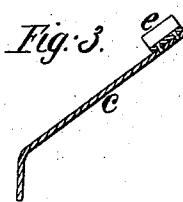


Fig. 1.

Witnesses;

Chas. H. Smith
Geo. St. Mackney



Inventor;

Benjamin Gregg
for L. W. Ferrell

Atty

United States Patent Office.

BENJAMIN GREGG, OF BENNINGTON, VERMONT.

Letters Patent No. 80,944, dated August 11, 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 I, BENJAMIN GREGG, of Bennington, in the county of Bennington, and State of Vermont, have invented, made, and applied to use a certain new and useful Improvement in Bed-Bottoms; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the annexed drawing, making part of this specification, wherein—

Figure 1 is a sectional plan of said improved bed-bottom, two of the slats being partially removed, and one of the springs.

Figure 2 is a vertical longitudinal section of the bedstead and improved bed-bottom; and

Figure 3 is a section of the metallic spring in larger size.

Similar marks of reference denote the same parts.

The object of this invention is to furnish a strong, cheap, and reliable spring-bed bottom, that will yield to the weight of the person, but not be liable to break under strain.

My said invention consists in a metallic plate-spring, attached at its lower end to the bedstead or frame, and projecting inward, with an inclination upward, and terminating as a crotch or saddle, in which the slat lies, so that the spring will yield with a weight until the end of the slat itself rests upon the spring, near the point of attachment to the bedstead, so as to relieve the spring of further strain.

In the drawing, *a a* are the side rails, *b b* the head and foot-guards or boards, the whole forming the frame for the spring-bottom, or the spring-bottom may be supported in a separate frame.

c c c are the metallic plate-springs, secured at their lower ends to the frame *b*, by means of the clamping-pieces *d*, and the upper portions of said springs extend inward and upward, as shown, and terminate with crotches or saddles *e e*, into which the slats *g g* rest.

These saddles or crotches *e* may each be formed by ears, turned up from projecting pieces at the sides of the strips of sheet metal forming the springs, or they may be made of separate pieces of metal, riveted upon the ends of the springs, and bent up to form saddles for said slats *g g*.

The springs *c c* will yield to pressure, and make a very comfortable bed-bottom, and, should the weight be such that the ends of the slats rest upon the springs near the point of their attachment to the frame *b*, the leverage of the springs will cease, so that they will not be liable to be broken.

This bed-bottom is very durable and yielding, and is cheap in its construction. If desired, a spring might be added beneath the centre part of each slat, but this would seldom be required.

What I claim, and desire to secure by Letters Patent, is—

The bed-bottom, formed of plate-spring *c*, attached to the frame *b* by the clamping-pieces *d*, and formed with the crotches or saddles *e*, at their moving-ends, receiving the slats *g g*, as and for the purposes specified.

In witness whereof, I have hereunto set my signature, this 3d day of June, A. D. 1868.

BENJAMIN GREGG.

Witnesses:

JAS. B. MEACHAM,

JAS. A. N. WILLIAMS.