

O. F. A. FAULKNER.

Bed-Bottom.

No. 161,333.

Patented March 30, 1875.

Fig. 1

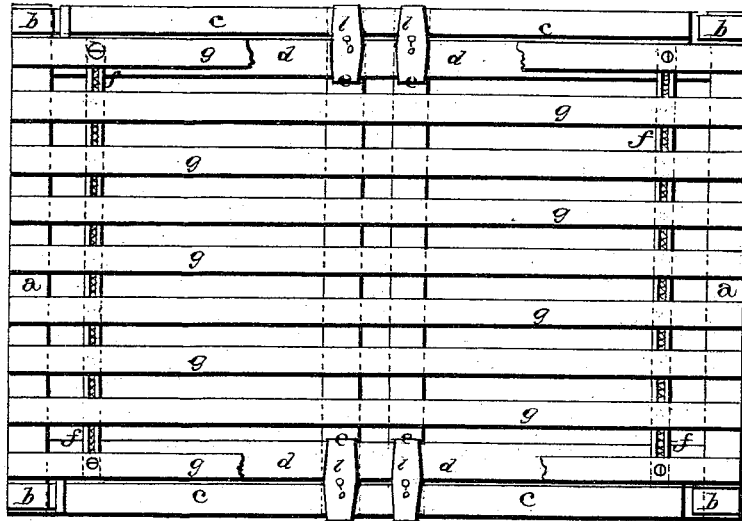


Fig. 2.



Fig. 3.

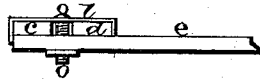
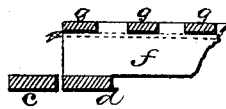


Fig. 4.



Fig. 5.



WITNESSES.

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INVENTOR.

O. F. A. Faulkner  
per  
J. W. Lehmann, Atty

# UNITED STATES PATENT OFFICE.

OSCAR F. A. FAULKNER, OF MOUNT PLEASANT, IOWA.

## IMPROVEMENT IN BED-BOTTOMS.

Specification forming part of Letters Patent No. **161,333**, dated March 30, 1875; application filed December 24, 1874.

*To all whom it may concern:*

Be it known that I, O. F. A. FAULKNER, of Mount Pleasant, in the county of Henry and State of Iowa, have invented certain new and useful Improvements in Bed-Bottoms; 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 pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in bed-bottoms; and consists in the arrangement and combination of parts, which will be more fully described hereafter.

The accompanying drawing represents my invention.

Figure 1 is a plan view of my invention. Fig. 2 is a side view of the same. Fig. 3 is a detached view of the clasps, showing the manner of securing together the spring-bars and cross-slats. Fig. 4 is a vertical cross-section of one of the end rails. Fig. 5 is a part cross-section of the frame, showing the relative positions of the spring-bars.

*a* represents two cross-bars, which are to be placed inside of the bedstead, and to the inside of which, at each corner, are fastened metal hooks *b*. These hooks may be cast or made of sheet metal, provided that the width of the part which is to support the bed-bottom be as broad as the slat which is to be supported by it. Strong spring-bars *c*, to which the bed-bottom is attached, are laid lengthwise upon these hooks, notches being sawed or cut in the bars for the hooks to catch in. To the inside of each of the spring-bars *c* is secured another parallel spring-bar, *d*, by means of the clasps *l*. These clasps consist of bent plates, that fit down over these two bars *c d*, and which are held in position by means of the screw-bolt *o*, that passes down between the slats, as shown in Fig. 3, and through the cross-slats *e*. With the clasps on top of the bars, and a nut on the end of the bolt under

the cross-slats *e*, these bars *c d* and slats *e* are secured together.

By loosening the nuts the slats *e* may be adjusted toward either end of the bottom, so as to make either end of the spring-bars more or less rigid.

Near the ends of the bars *d* are slots *i*, into which projecting pins from the under side of the cross-bars *f*, which stand edgewise upon the ends of the bars *d*, enter. The top of the cross-bars *f* is recessed for the reception of the ends of the elastic slats *g*, which are to remain unfastened, excepting the two outside ones, which are secured to keep the cross-pieces *f* in position. In the top of each of the cross-pieces is cut a groove, *r*, in which is laid a continuous strip of cloth, felt, or other substance, which, passing between the ends of the slats and cross-bars, prevent a creaking noise.

It will readily be perceived that if the slats *g* are but slightly depressed their elasticity alone will be sufficient to resist the pressure without any risk of breaking; but if greater weight is brought to bear upon them the cross-bars *f* will yield also, their upper edges inclining inward, and their lower edges outward, but held in the slots by the pins. Thus the pressure on the upper slats is counteracted, first, by the yielding of the cross-bars *f*, and then, also, by the elasticity of the bars *d*, upon which the whole bottom rests, and is further supported by the bars *c*.

Having thus described my invention, I claim—

The combination of the hooks *b*, spring-bars *c d*, clasps *l o*, cross-slats *e*, cross-bars *f*, and slats *g*, substantially as described.

In testimony that I claim the foregoing I have hereunto set my hand this 9th day of December, 1874.

OSCAR F. A. FAULKNER.

Witnesses:

M. T. BEVENS,  
A. T. BROOKS.