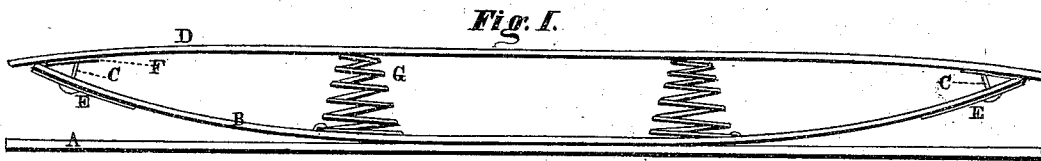


A. E. MILLER.

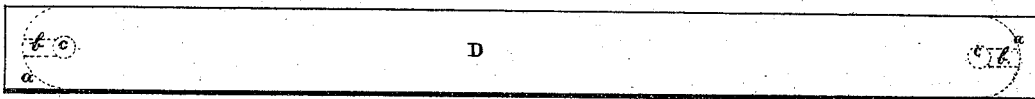
Spring Bed-Bottoms.

No. 133,329.

Patented Nov. 26, 1872.



*Fig. 2.*



*Witnesses.*

*W. G. Horne.*  
*A. J. Cornell.*

*Inventor.*

*A. E. Miller.*  
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*Atty*

# UNITED STATES PATENT OFFICE.

ALBERT E. MILLER, OF ARCADIA, OHIO.

## IMPROVEMENT IN SPRING BED-BOTTOMS.

Specification forming part of Letters Patent No. 133,329, dated November 26, 1872.

*To all whom it may concern:*

Be it known that I, ALBERT E. MILLER, of Arcadia, in the county of Hancock and State of Ohio, have invented a certain new and useful Improvement in Spring Bed-Bottoms, of which the following is a description:

Figure 1 is a side view of a section. Fig. 2 is a top view.

Like letters of reference refer to like parts in the several views.

The nature of this invention relates to a bed-bottom; and the object thereof is to produce a transverse rocking movement of the slats, upon which the bed immediately lies, for the purpose of adjusting the slats readily to the form and motion of the persons lying upon the bed, the construction and operation of which are as follows.

In the drawing, Fig. 1, A represents one of a series of the lower slats comprising the bed-bottom. On said slat, and secured thereto, is a half-elliptic spring, B, the two ends of which are rounded, as indicated by the dotted lines *a*, Fig. 2. In each end is also cut a deep notch or slot, indicated by the dotted lines *b*, for the admission of the bolt C, whereby the spring B is attached to the upper slats D, upon which the bed directly lies. The under side of each end of the spring is covered with a plate of metal, E, Fig. 1, for the protection of the spring

from the abrasion of the head of the bolt. So also is the under side of each end of the slat D covered with a plate, F, to guard it from the abrading action of the end of the spring in contact therewith. Interposed between the slat D and the spring B are helical springs G to assist in the support of the imposed weight of the bedding.

The special advantage resulting from a bed-bottom consisting of a series of the above-described slats and springs is a more ready adjustment of the upper slats to the imposed weight upon the bed. The rounded ends of the spring allow the slats to turn or rock transversely, which it could not do were the ends square; hence the bed is found to be much easier to lie on, and less liable to cut and wear the mattress.

What I claim as my invention, and desire to secure as such by Letters Patent, is—

The slat or spring B having slotted rounded ends, as described, in combination with the helical springs G and spring-slat D, constructed and arranged in the manner substantially as set forth, and for the purpose specified.

ALBERT E. MILLER.

Witnesses:

W. H. BURRIDGE,  
A. F. CORNELL.