

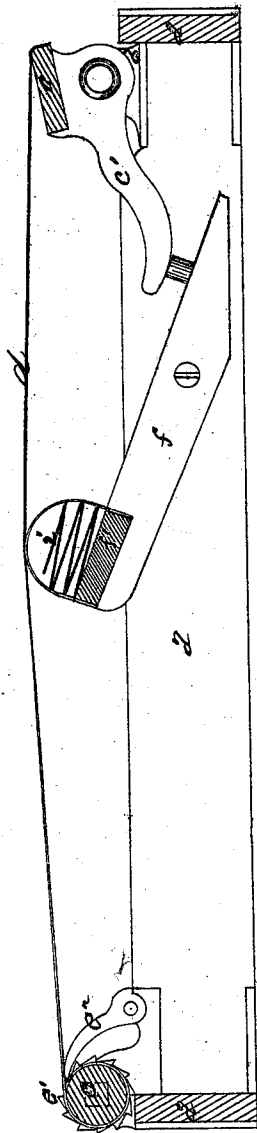
JOHN JOHNSON.

Improvement in Spring Beds.

No. 120,881.

Patented Nov. 14, 1871.

Fig. 1.



Witnesses.

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UNITED STATES PATENT OFFICE.

JOHN JOHNSON, OF HARTFORD, CONNECTICUT.

IMPROVEMENT IN SPRING-BEDS.

Specification forming part of Letters Patent No. 120,881, dated November 14, 1871.

To all whom it may concern:

Be it known that I, JOHN JOHNSON, of Hartford, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Spring-Beds, of which the following is a specification, reference being had to the accompanying drawing, in which—

Figure 1 is a central vertical longitudinal section of a bed-frame and stretcher with my improvements attached.

This invention is an improvement on the invention described and claimed in Letters Patent for spring-bed granted to me August 15, A. D. 1871.

a indicates the frame of the bed, at the head of which is pivoted, in the standard *b*, the rocking end piece *c*, from both ends of which extend the rocking arms *c'*. The stretcher *d* is attached at one end to the rocking end piece *c* and at its foot to the roller *e*, which has a ratchet, *e'*, and pawl *e''* whereby to strain the stretcher. The rocking arms *c'* overhang and rest upon the levers *f*, which are pivoted to the side rails of the

bed and connected by the cross-piece *f'*, which cross-piece bears a row of spiral or other springs, *i*, which bear up against the stretcher, and the effect of this arrangement is such that the more pressure there is on the top of the stretcher the stronger the cross-piece *f'* will bear up against the stretcher, making thereby a support for the middle of the stretcher which will adapt itself to the weight upon the stretcher.

I claim as my invention—

1. The equalizing frame, composed of the levers *f* and cross-piece *f'*, pivoted to the bed-frame, and operated upon by the rocking arms *c'* or their equivalent, substantially in the manner and for the purpose set forth.

2. In combination with said equalizing frame, pivoted as described, the springs *i* and the stretcher *d*.

JOHN JOHNSON.

Witnesses:

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(62)