

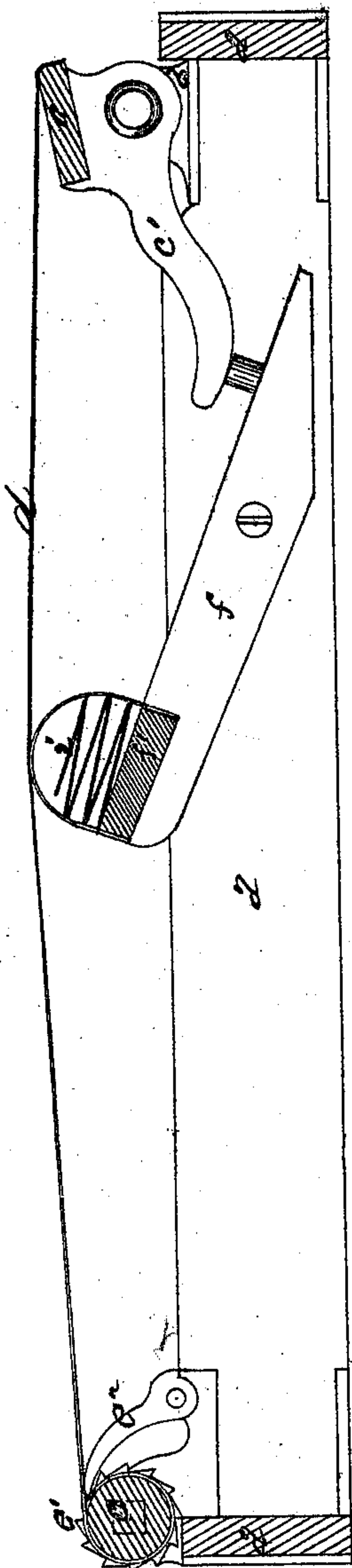
JOHN JOHNSON.

Improvement in Spring Beds.

No. 120,881.

Patented Nov. 14, 1871.

Fig. 1.



Witnesses.

L. Häfelin

Edward Gordon

Inventor.

John Johnson

by Wm E. Sumner

Solicitor Hartford
Conn.

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*¹, and pawl *e*² 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:

WM. E. SIMONDS,
J. F. PRESTON.

(62)