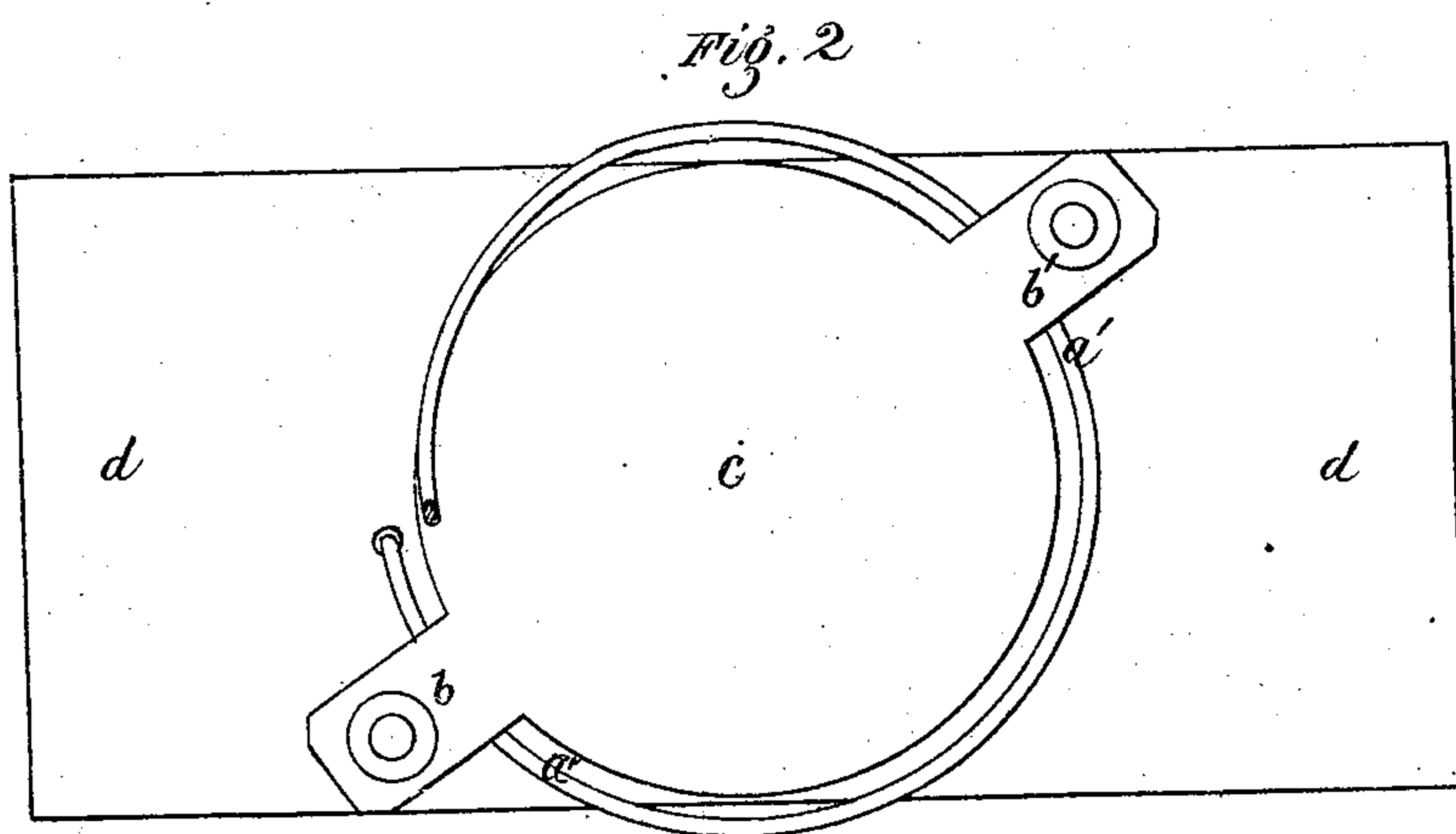
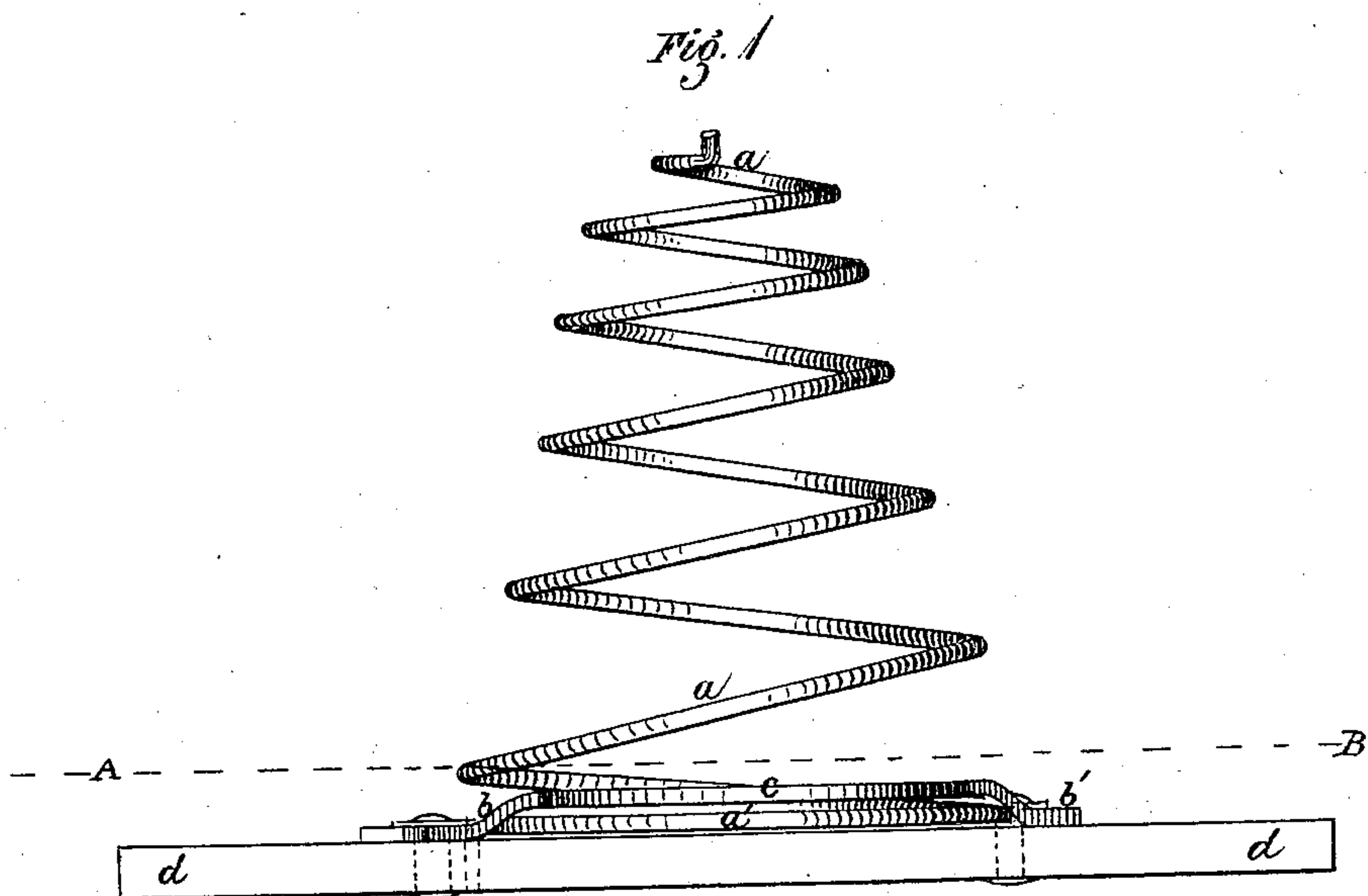


A. SMITH.

Improvement in Bed-Spring Attachments.

No. 132,328.

Patented Oct. 15, 1872.



Witnesses
Saml. M. Barton.

Nathl. Deane Jr.

Inventor
Alfred Smith.
by his Atty.
Carr & Dreyfus.

UNITED STATES PATENT OFFICE

ALFRED SMITH, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN BED-SPRING ATTACHMENTS.

Specification forming part of Letters Patent No. 132,328, dated October 15, 1872.

To all whom it may concern:

Be it known that I, ALFRED SMITH, of Boston, in the county of Suffolk and State of Massachusetts, have invented certain Improvements in Attachment of Springs to Bed-Slats, of which the following is a specification:

Figure 1 of the accompanying drawing is a front view; and Fig. 2 is a horizontal section taken in line A B, showing a top view of my improved spring attachment.

This invention has for its object to combine in one device a means for preventing the concussion of the springs against the slats and a means for fastening the springs to the slats. To this end the invention consists in a combination of parts, constructed and arranged substantially as I will now proceed to describe.

In the drawing, *a* represents a spiral spring, over the bottom coil *a'* of which extend projecting laps *b b'* of a leather or other suitable disk or body, *c*, of a proper size and shape to receive and form a seat for and to deaden the concussion of the spring *a* when fully compressed. The laps *b b'* are arranged diagonally with, and riveted, clamped, or otherwise securely fastened to, a slat, *d*, in which is inserted the bent end of the lower coil *a'*, which is, by pushing it under the disk or body *c*, securely held by the laps *b b'*, and, by shoving it out at one side from under the disk or body *c*, is readily removed from the slat *d* without in

either case displacing the disk or body *c*, which, on account of its arrangement and the yielding nature of its material, prevents the violent and objectionable shock produced when the spring is compressed and brought directly in contact with the hard unyielding slat.

Heretofore, in order to prevent the violent concussion of the spring, it has been customary to insert felting, &c., between the bottom of the spring and the slat, thereby incurring expense in providing the material employed, and expending time and labor in its attachment, besides requiring the employment of extra methods for securing the spring; whereas by my improvement the spring is held and easily adjusted to or withdrawn from a slat, and the violent concussion is prevented by one and the same device.

Having thus fully described my improvement, what I claim as my invention, and desire to have secured to me by Letters Patent, is—

A bed-slat combined with the springs *a'*, pad *c*, and ears *b b'*, all constructed and arranged as herein described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

Witnesses: ALFRED SMITH.
CARROLL D. WRIGHT,
SAML. M. BARTON.