

E. JOHNSON.  
Bed-Bottom.

No. 215,130.

Patented May 6, 1879.

fig. 1. A a

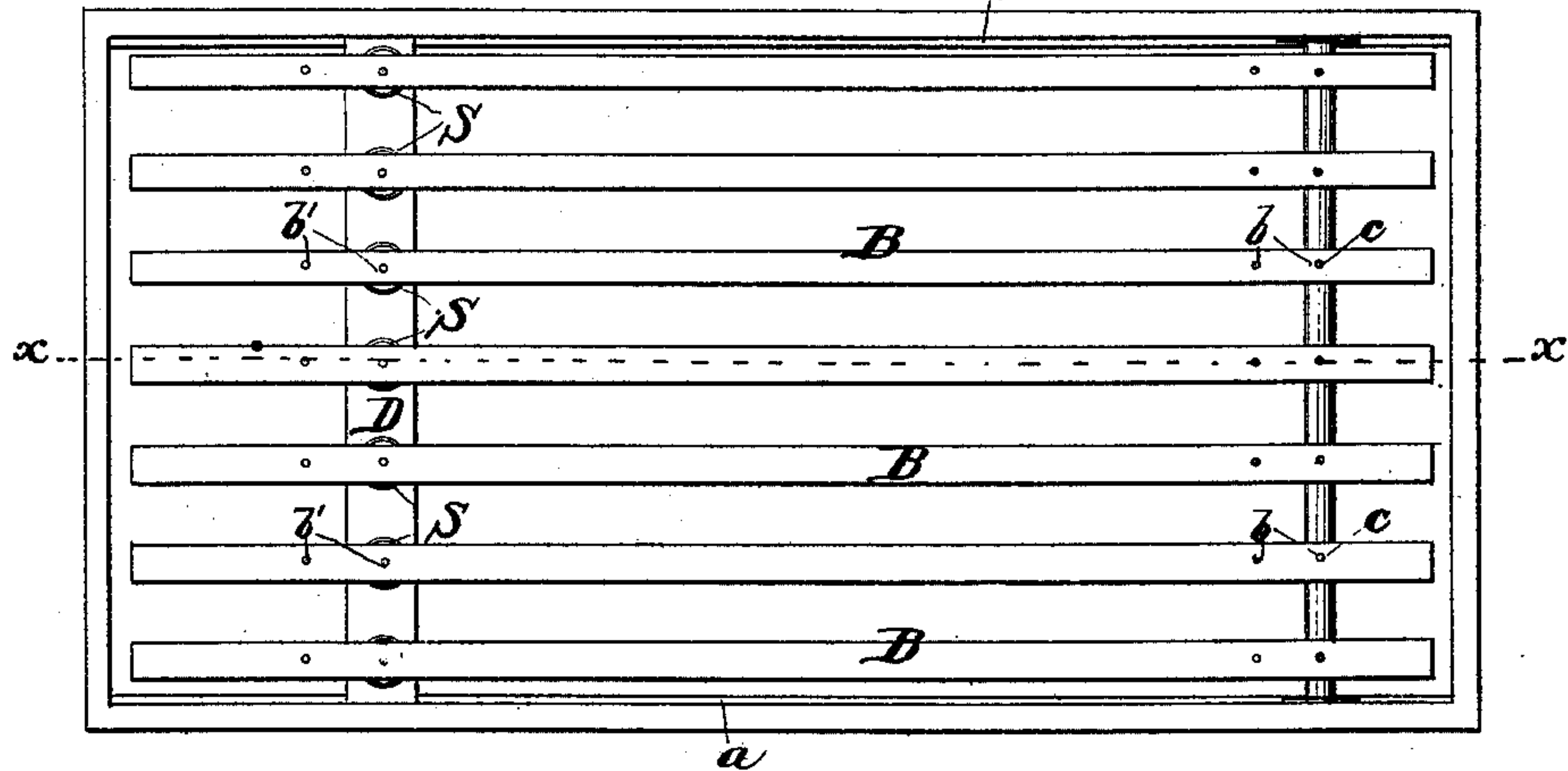


fig. 2.

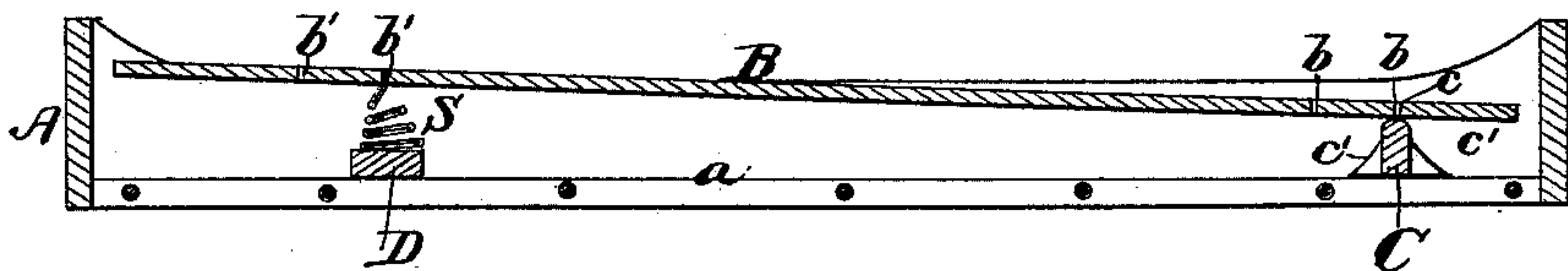
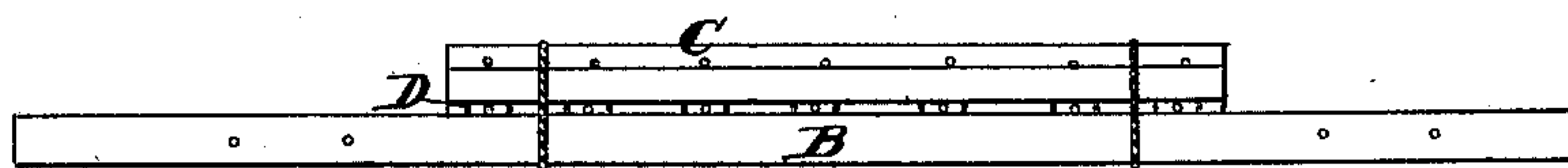


fig. 3.



Attest  
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# UNITED STATES PATENT OFFICE.

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## IMPROVEMENT IN BED-BOTTOMS.

Specification forming part of Letters Patent No. **215,130**, dated May 6, 1879; application filed February 13, 1879.

*To all whom it may concern:*

Be it known that I, ELMORE JOHNSON, of Morrisville, in the county of Lamoille and State of Vermont, have invented a certain new and useful Improvement in Bed-Bottoms; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a top-plan view of my invention applied to a bed-frame. Fig. 2 is a sectional elevation of the same, taken in the line *x x*, Fig. 1; and Fig. 3 is a view showing the parts disposed in a small compass for transportation or storage.

Similar letters of reference in the several figures denote the same parts.

My invention has for its object to provide for general use an improved spring bed-bottom which shall be cheap and simple in construction, adjustable with respect to the weight of the occupant, and which can be readily taken apart for cleaning, and folded up into a small compass for transportation or storage, as occasion may require.

To this end my invention consists in a certain novel structure, which I will now proceed to describe in detail.

In the accompanying drawings, A represents a bed-frame of the ordinary construction, having ledges *a a* on the inner portions of its sides for supporting the head and foot bars of the bottom. The bottom consists of a series of slats, B, a bar, C, resting on the ledges *a a* near the foot of the bed and adapted to support the lower ends of the slats, and a bar, D, near the head of the bed, also supported on the ledges *a a*, and carrying a series of spiral springs, S, upon which the upper ends of the slats rest.

To connect the lower ends of the slats to the foot-bar, I preferably make a series of perforations, *b*, in the former, and provide the latter with pins *c* for engaging with said perforations. The upper ends of the slats I likewise provide with a series of perforations, *b'*, for the reception of the upper extremities of the springs S.

Upon examination of Fig. 2 it will be observed that the parts are so arranged with respect to each other that the head of the bed, in its normal position, will be slightly raised above the foot, so that when a person lies down the bed will yield gently and assume an easy and comfortable position, each slat acting independently to conduce to this end.

To adjust the beds to occupants of different weights the spring head-bar is adapted to be moved closer to or farther from the foot-bar, or vice versa, so that the extremities of the springs, in the one case, will engage with a lower series of perforations near the upper ends of the slats, or the stationary pins of the lower bar with a higher series in the lower ends of the slats, as will be apparent.

The spring head-bar is made broad at its base, so that it cannot tip over, and the foot-bar is preferably provided with shoes *C' C'* at its ends for a similar purpose.

Instead of the described mode of connecting the slats with the foot-bar, screws or other equivalent fastenings may be employed that will properly hold the slats firmly in position.

The extreme simplicity of the structure renders all its parts easy of access in cleaning, and enables it to be kept free from bugs.

By removing the slats and bundling them together with the spring head-bar and the foot-bar, as shown in Fig. 3, the whole is made to occupy but little space in transportation or storage, and in this respect is greatly superior to the clumsy and intricate contrivances now in general use.

Having thus described my invention, I claim as new—

The combination of the independent slats, each having a series of perforations near its ends, with the adjustable head-bar carrying the series of independent springs and the adjustable foot-bar having the projecting pins, substantially as described.

ELMORE JOHNSON.

Witnesses:

ORLO CADY,  
HENRY C. FISK.