

I. M. Russell,

Bed Bottom.

No. 97,706.

Patented Dec. 7, 1869.

Fig. 1.

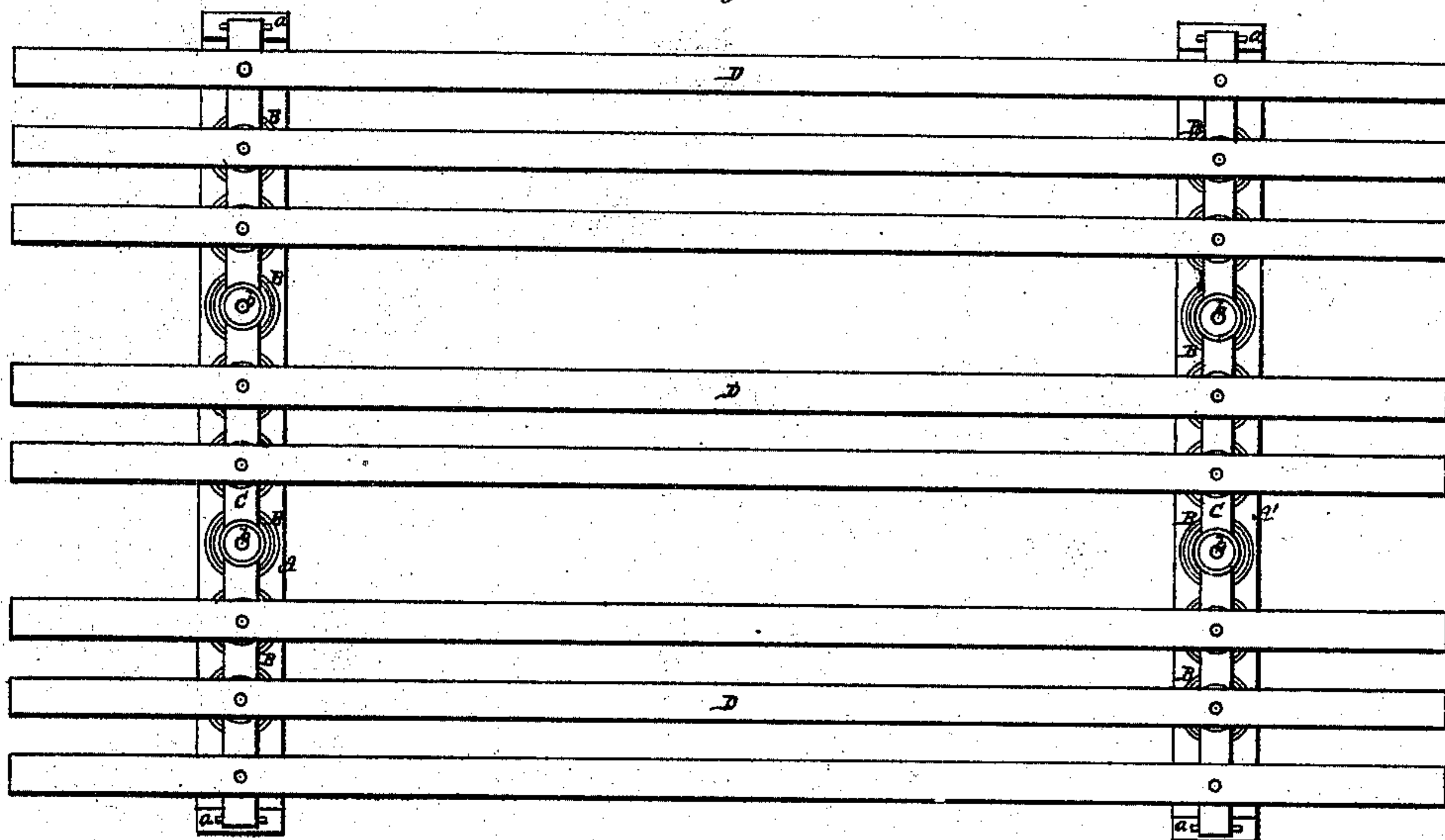


Fig. 2.

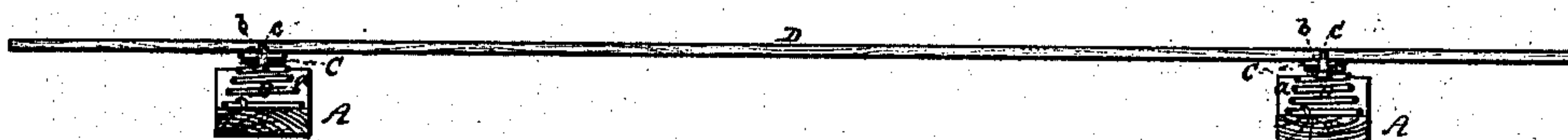


Fig. 3.



Witnesses.

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by his attorney

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United States Patent Office.

IRA MOSHER RUSSELL, OF LEWISTON, MAINE.

Letters Patent No. 97,706, dated December 7, 1869.

IMPROVED SPRING-BED BOTTOM.

The Schedule referred to in these Letters Patent and making part of the same.

To all persons to whom these presents may come:

Be it known that I, IRA MOSHER RUSSELL, of Lewiston, of the county of Androscoggin, and State of Maine, have invented a new and useful Improvement in Spring-Bed Bottoms; and do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 denotes a top view of a spring-bed bottom as provided with my invention, some of the slats being left off their springs, in order to exhibit the arrangement of the springs and the transverse connection-bands.

Figure 2 is a longitudinal section, and

Figure 3, a transverse section of the bed-bottom.

In such drawing—

A A' are two transverse rails, each, at each of its ends, being provided with a projection or pier, *a*, raised upon it.

On each of the said bars A A' is a series of frusto-conical helical springs, B; and there is extended through the upper parts of the several springs of each series—that is, between the upper coil and the next coil of each spring—one of two flexible bands, C C, each band, at its two ends, being fixed to the two projections *a a* of the bar A beneath it.

The band, at the axis of each spring, has a hole, *b*, made down through it, to receive one of two studs, *c*, which project downward from an elastic slat, D.

The said slat extends across the two series of springs, and rests on two springs thereof, the pins or studs and the holes in the bands serving to keep the slat and the band in their proper positions relatively to each other and the springs.

There is to be a slat, D, to each of the springs of each series, it being supported on two springs, one being of one, and the other being of the other series of the springs.

Each pin or stud goes through the upper coil of the spring next below it; and, as the said coil is between the leather band and the slat, it prevents the slat from wearing the band.

The slats are readily removable from the bands and springs, and as easily put in place thereon.

I make no claim to the combination of springs, bands, supporting-rails, and elastic slats; but

I claim, as my invention or improvement—

The arrangement of each of the bands C or C' with the spring B, the slats D, and the pins or studs *c* of such slats, such arrangement involving the extension of the band through the several springs thereof, and the pins or studs into the holes of the band, in manner substantially as and for the purpose as described.

IRA MOSHER RUSSELL.

Witnesses:

R. H. EDDY,
J. R. SNOW.