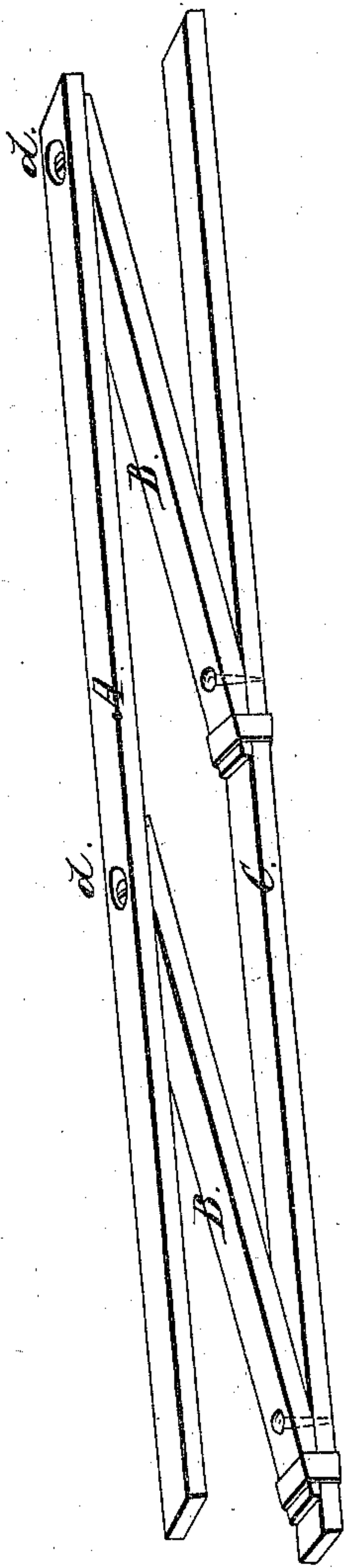


P. Sisson,

Bed Bottom,

N^o 81,422,

Patented Aug. 25, 1868.



Witnesses:

*W. J. Chamberlain
J. M. Becker.*

Inventor:

Philander Sisson

*By Forbush & Hyatt
attys.*

United States Patent Office.

PHILANDER SISSON, OF BRANT, NEW YORK.

Letters Patent No. 81,422, dated August 25, 1868.

IMPROVED SPRING-BED BOTTOM.

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

TO ALL WHOM IT MAY CONCERN:

Be it known that I, PHILANDER SISSON, of Brant, in the county of Erie, and State of New York, have invented a certain new and useful Improvement in Spring-Bed Bottoms; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawing, which represents a perspective view of a slat supported in my improved manner.

My invention relates to that class of spring-bed bottoms which are composed of wooden slats, that have heretofore been supported by springs of various kinds under each end. The slats being thus supported at the ends only, and the principle pressure or weight of the occupant of the bed being applied at a point intermediate the centre and head of the bed, the result is a subsidence or sagging of the bed at that point, while the centre of pressure, by being nearer the head than the foot of the bed, causes a greater or less tipping or declination towards the head.

The object of my invention is to so arrange the spring-supports for the slats, that the centre of the resistance of the former will be directly, or as nearly as may be, under the centre of pressure on the slats, whereby the central sagging of the bottom and the greater depression towards the head are prevented.

The invention for accomplishing this consists in supporting the slats forming the bed-bottom, on the upper ends of two or more spring-levers, inclined with reference to the slats, but parallel, or nearly so, with each other, and so arranged that the points of support, instead of being at each end of the slat, will be at one end, (that designed for the head,) and at a point removed from the opposite end.

In the drawing, A represents an ordinary wooden slat, and B B two inclined spring-levers, secured at one end to a base-piece or secondary slat, C, in any suitable manner, so that the levers will incline upwards and form supports at their upper ends for the slat, the levers being so arranged with reference to the slat A as to support it at the points, substantially as shown. The slat is secured in place on the ends of the springs, which are bevelled, as represented, by means of screws *d d* from above, passing through slots in the slat, and screwing into the ends of the springs, the heads being countersunk to prevent tearing the bottom of the mattress.

The described arrangement of the springs and slat is designed to be such as will bring the upper ends of the springs or points of support at as nearly equal distances as may be from the centre of pressure on the slat.

The base-pieces C, of the different slats, may rest in recesses formed in cross-pieces at the head and foot of the bedstead, in the ordinary manner, or be supported in any other suitable manner.

By my improved arrangement of the springs, the points of support are brought more directly under the weight, thereby maintaining the bottom in its proper level position, while its elasticity is unimpaired, which greatly promotes the health and comfort of the occupants of the bed, by supporting the body in a straight and natural position.

What I claim as my invention, and desire to secure by Letters Patent, is—

Supporting the slat A on the ends of the inclined spring-levers B B, when arranged substantially in the manner and for the purpose set forth.

PHILANDER SISSON.

Witnesses:

WM. J. CHAMBERLAIN,
V. H. BECKER.