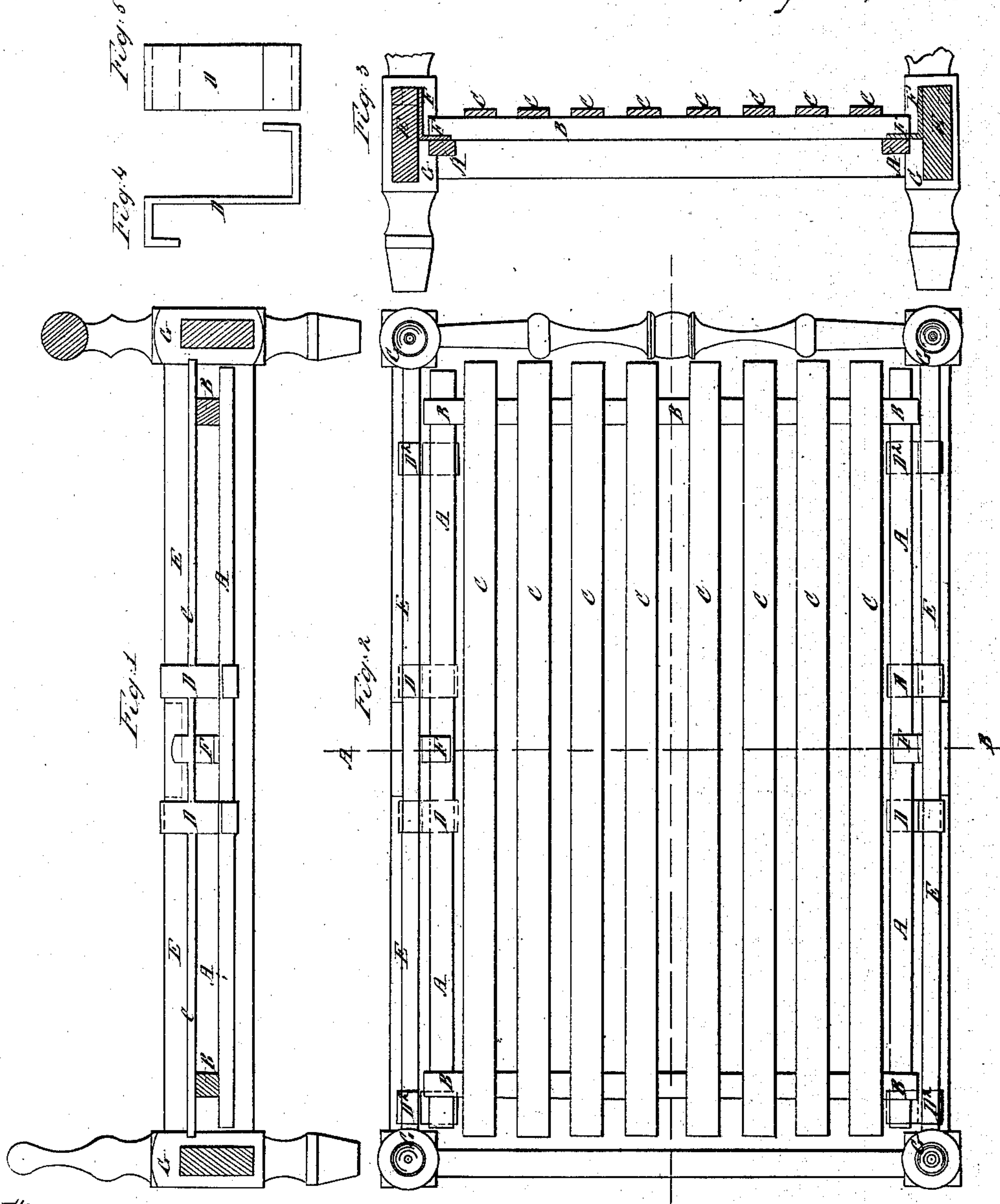


*R. B. Nevins,*

*Bed Bottom,*

*N<sup>o</sup> 68,645.*

*Patented Sep. 10, 1867.*



*Witnesses:*  
*J. M. Whitney*  
*John E. Crane*

*Inventor*  
*Robert B. Nevins*



# United States Patent Office.

ROBERT B. NEVENS, OF LOWELL, MASSACHUSETTS, ASSIGNOR TO HIMSELF AND STILLMAN BUSHEE, OF THE SAME PLACE.

*Letters Patent No. 68,645, dated September 10, 1867.*

## IMPROVED 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, ROBERT B. NEVENS, of Lowell, in the county of Middlesex, and State of Massachusetts, have invented certain new and useful Improvements in Spring-Bed Bottoms, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a longitudinal vertical section of a bedstead with my improvements applied thereto.

Figure 2, a plan or top view of the same.

Figure 3, a transverse section on the line A B of fig. 2.

Figure 4 is an edge, and

Figure 5 a side view of a detached stirrup, shown in all the other figures, and considerably enlarged in the latter.

My invention and improvement in spring bed-bottoms consists in the employment of longitudinal spring-bars A at each side thereof, combined with transverse connecting and supporting bars B placed near the ends and on the tops of said spring-bars, and arranged to support and maintain in position for use any ordinary spring or yielding slats, C, when the said spring-bars are hung on stirrups D, the top ends of which grasp or hook on to the top edges or top sides of the side rails E of the bedstead, and the bottom ends hook under and hold the spring-bars up in their places.

My invention and improvements can be readily applied to almost any kind of bedsteads; but bedsteads which have square-edged side rails form better and firmer supports for the stirrups D, which are made to slide from near the middle of each rail to the extreme ends. I generally employ two of these sliding stirrups on each of the side rails of the bedsteads. Between the two stirrups, and fastened to the inside of each side rail E, I employ a knee, F, shown in figs. 1, 2, and 3. Each of these knees bears on the top side of one of the spring-bars at the centre or about the centre of the length of the side rails, while the stirrups hold each spring-bar up in position, so that if weight is placed on either corner of this spring-bed bottom the stirrup nearest the weighted corner acts as a fulcrum, and the knee on the top of the spring-bar takes the load, or the effect of the weight, and prevents any unfavorable action being produced on any other part of the spring-bed bottom so arranged and supported. If weight is unequally applied to this improved spring-bed bottom, as by one light person and one heavy person occupying the bed at the same time, the stirrups at that side of the bed occupied by the heavy person are very conveniently slid or moved outward towards the corner posts G or to the extreme ends of the spring-bars, as shown at D<sup>2</sup> in fig. 2, while the stirrups at the side of the bed occupied by the light person remain near the middle of the rail E, as shown at D in figs. 1 and 2. Or if one or two heavy persons occupy the bed all the stirrups may be moved outward or all remain near the middle of the rails. So, where two light persons or two persons of nearly equal weight occupy the bed at the same time, the stirrups may be in the same or nearly the same position or place opposite each other, or in any other place on either rail, according to the amount of yielding or springing or elastic action required or desired by either occupant of the bed for his or her comfort or convenience, or to render rest or sleep more agreeable or pleasant and beneficial. It will therefore be readily seen and understood that any reasonable amount of yielding or springing or elastic action may be had in my improved spring-bed bottom, either at the middle, or at the ends and the middle, or at one side and not the other, at each or either corner equally or unequally, or on any part of the same, simply by sliding the stirrups to the place or position required.

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

1. I claim the adjustable sliding stirrups D, or their equivalent, applied to the side rails E and spring-bars A, and arranged for action and effect substantially in the manner and for the purpose set forth.

2. And in combination with the stirrups D, I claim the knees F, or the equivalent thereof, when applied and arranged substantially as and for the purpose set forth.

3. And in combination with the stirrups D and knees or equivalent, I claim the spring-bars A, applied and arranged in the manner and for the purpose substantially as specified.

4. And in combination with the stirrups D and knees F and spring-bars A, I claim the employment of transverse bars B and a series of slats, C, in the manner and for the purpose set forth.

ROBERT B. NEVENS.

Witnesses:

J. S. WHITNEY,

JOHN E. CRANE.