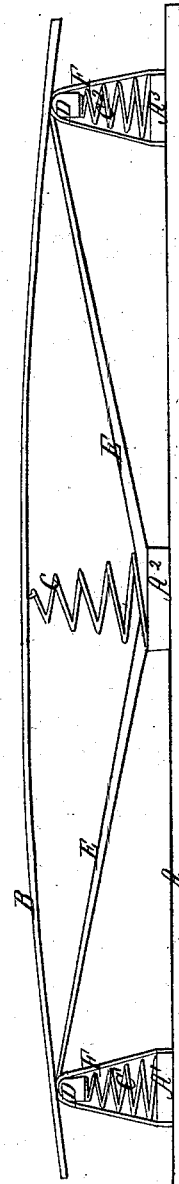
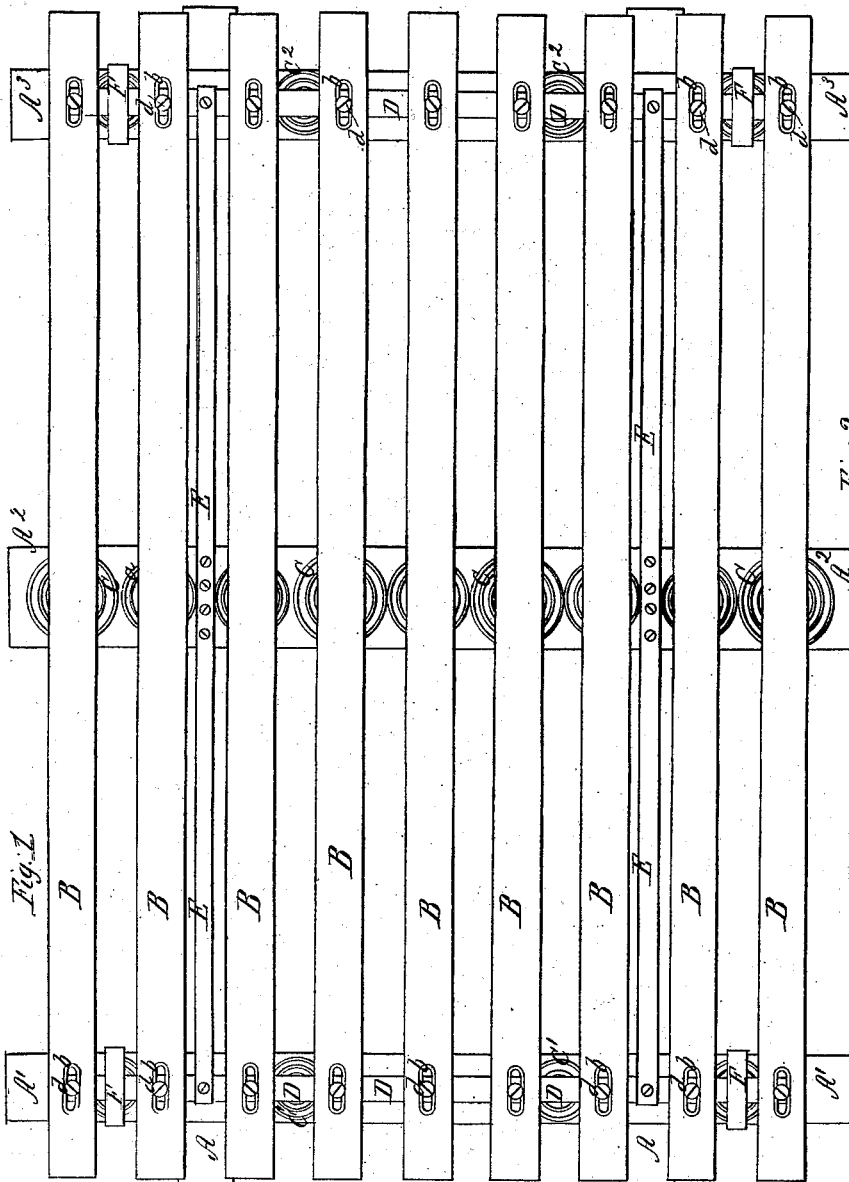


*W. Jones,
Bed Bottom,*

N^o 54,737.

Patented May 15, 1866



*Witnesses;
C. A. Platt
Jas. C. Platt*

*Inventor;
W. Jones
By Minnola,
Attorneys*

UNITED STATES PATENT OFFICE.

WARREN JONES, OF BERLIN, WISCONSIN.

IMPROVED BED-BOTTOM.

Specification forming part of Letters Patent No. 54,737, dated May 15, 1866.

To all whom it may concern:

Be it known that I, WARREN JONES, of Berlin, in the county of Green Lake and State of Wisconsin, have invented a new and useful Improvement in Spring Bed-Bottoms; and I do hereby declare the following to be a full, clear, and exact description of the nature, construction, and operation of the same, sufficient to enable one skilled in the art to which it appertains to fully understand and use the same, reference being had to the accompanying drawings, which are made part of this specification, and in which—

Figure 1 is a plan of a bedstead-bottom, illustrating my invention. Fig. 2 is a side elevation of the same.

Similar letters of reference indicate corresponding parts in the two figures.

The nature of my invention consists in the employment of braces which, in addition to their function of preventing the deflection or displacement of the spiral springs, are adapted in themselves to constitute yielding supports, so that, while they fill an important office in conjunction with the springs, they have the special and independent character of elastic yielding bearings.

A A A' A² A³ represent the under frame of the bed-bottom, which may be formed of longitudinal and transverse bars rigidly connected together, or be constructed in any other suitable manner. This frame supports the spiral springs which sustain the slats B, and the springs are, by preference, arranged in three transverse rows or series, C C' C², so as to sustain the slats at both ends and at the center.

DD are transverse bars interposed between the springs C' C² and the ends of the slats. The slots *b*, which embrace the attaching pins or studs *d*, admit of the requisite longitudinal play of the slats when they are deflected.

EE are braces of wood or metal, each which is attached to one of the bars D and the central bar, A², of the under frame-work. They may occupy any suitable positions relatively to the slats B and serve to prevent a horizontal motion, laterally or longitudinally of the bars D when the weight of the person devolves upon the slats. Hence the springs C C' C², being attached to the bars D, are always retained in upright positions, expanding and contracting vertically without undergoing any lateral or horizontal deflection or displacement.

The braces E are made of a suitable elastic material, so that they shall yield and spring vertically and thus assist in giving elasticity to the slats. Having an elastic and sustaining character in themselves the spring-braces E may be used independently of the spiral springs if desired; and I will here state that I do not wish to be understood as restricting their application to bed-bottoms, as it may be found practicable to apply them to other articles of furniture for all analogous purposes with a like beneficial result.

The straps F, which pass over the end bars D, and are attached to the frame beneath, serve to confine the bars in the desired proximity with the frame.

Having thus described my invention, the following is what I claim as new and desire to secure by Letters Patent:

The combination of the braces E with the springs C C' C², slat B, bars D, and frame, the whole being arranged to operate substantially in the manner and for the purpose set forth.

WARREN JONES

Witnesses:

O. F. SILVER,
A. STANLEY.