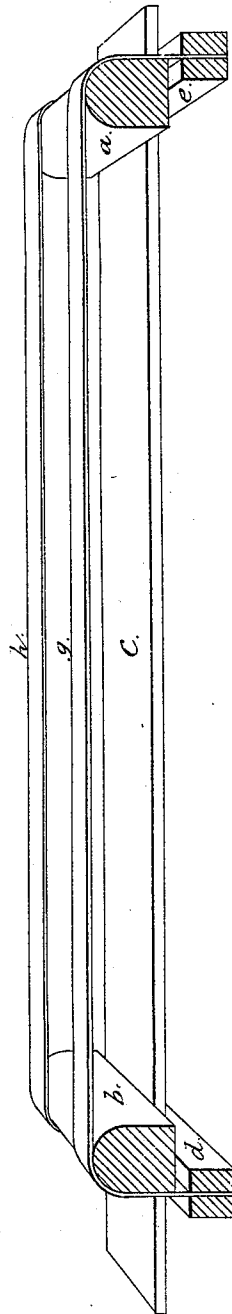


J. M. Dennett,

Bed Bottom,

Nº 29,679,

Patented Aug. 21, 1860.



Witnesses;
J. H. Fassett.
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UNITED STATES PATENT OFFICE.

JOHN N. DENNETT, OF BATH, MAINE.

BED-BOTTOM SLAT.

Specification of Letters Patent No. 29,679, dated August 21, 1860.

To all whom it may concern:

Be it known that I, JOHN N. DENNETT, of Bath, in the county of Sagadahoc and State of Maine, have invented a new and useful
5 Device called a "Bed-Bottom Spring," of which the following is a full and exact description.

In constructing this bed bottom I first make a wooden slat (as shown at *c* in the
10 drawings) about six feet long, two and one half inches wide, and one inch thick, (spruce being preferred as it is tough and elastic). Then I make two thin strips of wood, (represented at *g* and *h* in the drawings,) ash
15 being preferred for its toughness,) about the same length of the slat, one inch wide and about one tenth of an inch thick, also two pieces of tough wood (represented at *d* and *e* in the drawings) about four and a half
20 inches long and three fourths of an inch square. Each end of each of the last mentioned pieces has a sawscarf cut toward the center one inch long. Then I place the two thin strips (*g* and *h*) flatwise upon a
25 plane surface parallel with each other, two and one half inches apart, taking care to have the ends even. Then I place each of the two pieces prepared with sawscarves (*d* and *e*) respectively across the two ends
30 of the thin strips (*g* and *h*) to connect them by slipping the ends of said thin strips through the sawscarves and fastening them securely by nailing or otherwise so that no ordinary strain will draw them out. Thus
35 we have a device somewhat resembling a ladder with no rounds except one at each end. I now place the slat (*c*) first mentioned in the space between the two thin strips, letting each end rest upon the two
40 crosspieces connecting the thin strips. Then I make two blocks (*a* and *b* in the drawings) about four and one half inches long, two and one half wide and two inches thick, rounding off the corners of one edge of
45 each, and furnishing one of the other edges of each with two brads about a quarter of an inch long and placed about an inch and a quarter from the end of each block. Then I place the blocks (*a* and *b*) respectively
50 across each end of the slat (*c*) in the posi-

tion it now occupies, observing to have the bradded edges of the blocks (*a* and *b*) toward the center of the slat (*c*) and also to have the ends of the blocks (*a* and *b*) under the thin strips (*g* and *h*) with the rounded
55 edges up, while the slat (*c*) itself is under the blocks (*a* and *b*). Now by placing the slat (*c*) so that the ends only are supported and at the same time pressing down gently on the center we are enabled to slide the
60 blocks (*a* and *b*) between the thin strips (*g* and *h*) and the slat (*c*) each very near its respective end, and when the pressure is removed the spring of the slat (*c*) gives the required elasticity and flexibility to the thin
65 strips (*g* and *h*).

Operation: The bed bottom spring is designed to go lengthwise of the bedstead and from six to eight are required to a bed. They are placed parallel to each other and
70 equidistant, and are supported near the ends by two crosspieces or slats. When a bed is placed upon the springs the perfect flexibility of the thin strips (*g* and *h*) prevents the occupant from experiencing any sensa-
75 tion of hardness or rigidity, and at the same time the rigid slats which do not come in contact with the bed, impart all the elasticity required.

The object of this invention is to do away
80 with the hardness of the common slat, which it effectually does, and at the same time more than doubles the elasticity, and by putting them lengthwise of the bedstead obviates all sagging in the center thus com-
85 bining all the essential qualities of bedbottoms in a very simple and durable device, the cost of which is so trifling as to render it of great public utility.

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

The combination and arrangement of the blocks *a*, *b*, the slat *c*, the blocks *d*, *e*, and the strips *g*, *h*, substantially as and for the purpose specified.

JOHN N. DENNETT. [L. s.]

In presence of—

L. Y. DALY,
J. M. FROST.