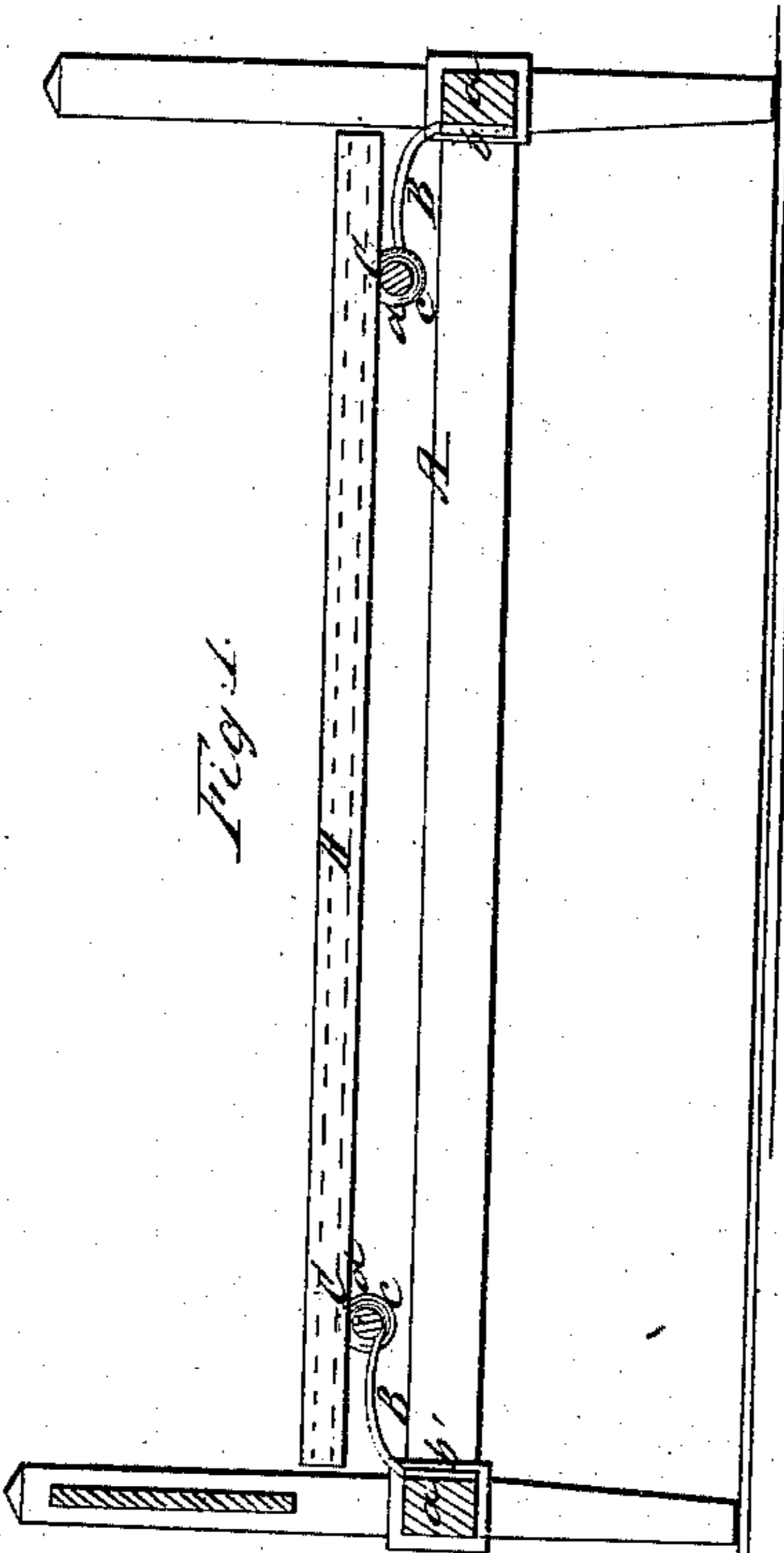
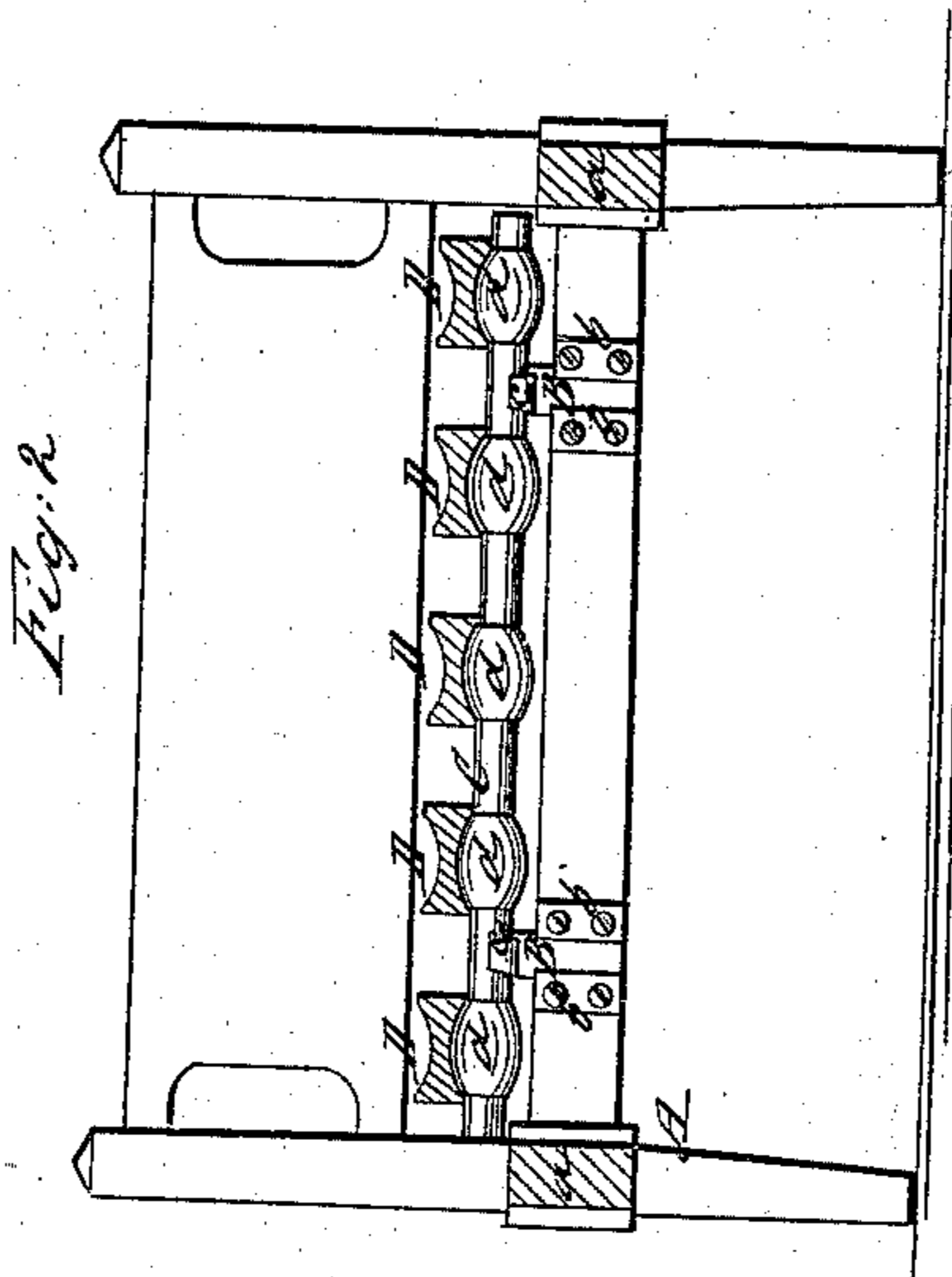


J. R. Abbe,

Bed Bottom,

N^o 54,658.

Patented May 15, 1866.



Witnesses.

W. B. Houghton
Theo. Lusk

Inventor.

John Ranaldi Abbe
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UNITED STATES PATENT OFFICE.

JOHN RANDOLPH ABBE, OF PROVIDENCE, RHODE ISLAND.

BED-BOTTOM.

Specification forming part of Letters Patent No. **54,658**, dated May 15, 1866; antedated May 7, 1866.

To all whom it may concern:

Be it known that I, JOHN RANDOLPH ABBE, of Providence, in the county of Providence and State of Rhode Island, have invented a new and Improved Bed-Bottom; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a longitudinal vertical section of my invention, taken in the line *xx*, Fig. 2; Fig. 2, a transverse vertical section of the same, taken in the line *yy*, Fig. 1.

Similar letters of reference indicate corresponding parts.

This invention relates to a new and improved bed-bottom of that class which are composed of slats and arranged with springs in such a manner as to form an elastic or yielding surface for a mattress to rest upon.

This invention consists in having springs attached to the head and foot rails of the bedstead to support rods, which are provided with knobs on which slats are fitted or placed, the slats being grooved longitudinally to receive the knobs, and all arranged, as hereinafter fully shown and described, to form a cheap and efficient bed-bottom of the class specified.

A represents a bedstead, which may be constructed in any of the known forms; and B represents springs, which are fitted to the head and foot rails *aa* of the same, said springs being constructed of curved form, so as to project upward from the rails *aa* and extend inward toward the center of the bedstead, as shown clearly in Fig. 1. Two or more of these springs may be used on each rail *a*, and se-

cured thereto by being fitted between dovetail keys or cleats *b*, which may be constructed of metal and screwed or nailed to the head and foot rails.

The springs B are bent at their outer ends, so as to form sockets *c*, to receive rods C, which are turned with knobs *d*, as shown clearly in Fig. 2, said knobs being of oblong form and rounded, so as to have a convex surface to fit into the concave surfaces of slats D, on which the mattress rests. By this arrangement the slats D are retained in proper position on the rods C, the knobs *d* strengthen the rods C, and by having the slats D made of concave form longitudinally at their upper and lower surfaces strength with lightness is obtained.

The springs B, which are attached to the foot-rail of the bedstead, should be a trifle lighter than those at the head-rail, as they have less weight to support.

This invention has been practically tested, and has been found to operate well, constituting a very easy and agreeable bed-bottom, and one which may be constructed at a very moderate cost.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The springs B, applied to the head and foot rails *aa* of the bedstead, in combination with the springs B, rods C, provided with knobs *d*, and the slats D, having concave surfaces to receive the knobs, all being arranged substantially as and for the purpose set forth.

JOHN RANDOLPH ABBE.

Witnesses:

CHARLES W. BROWN,
ABRAM CROWELL.