

J. L. Secomb,

Bed Bottom.

No. 99790.

Patented Feb. 15. 1870.

Figure 1—

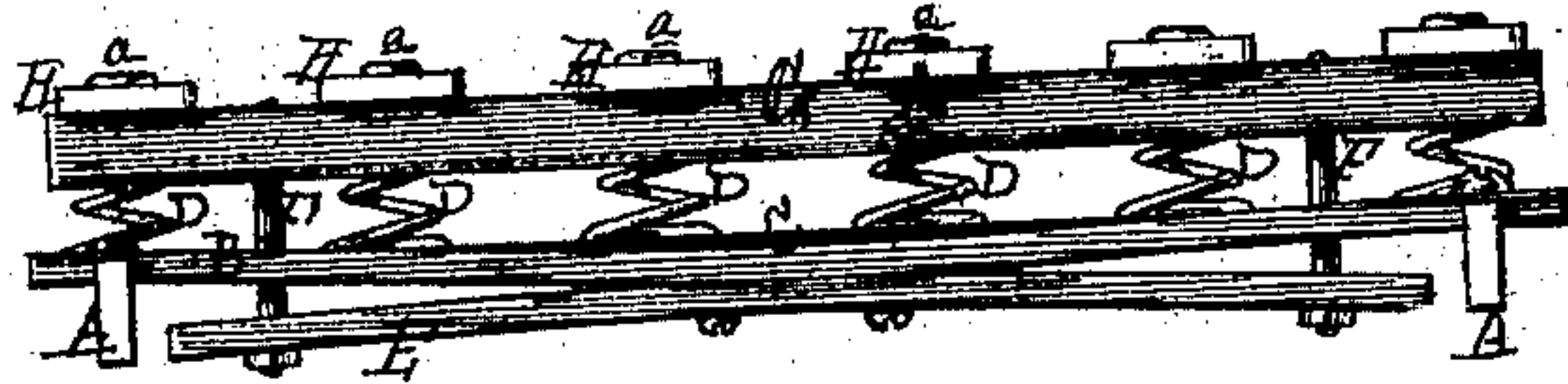
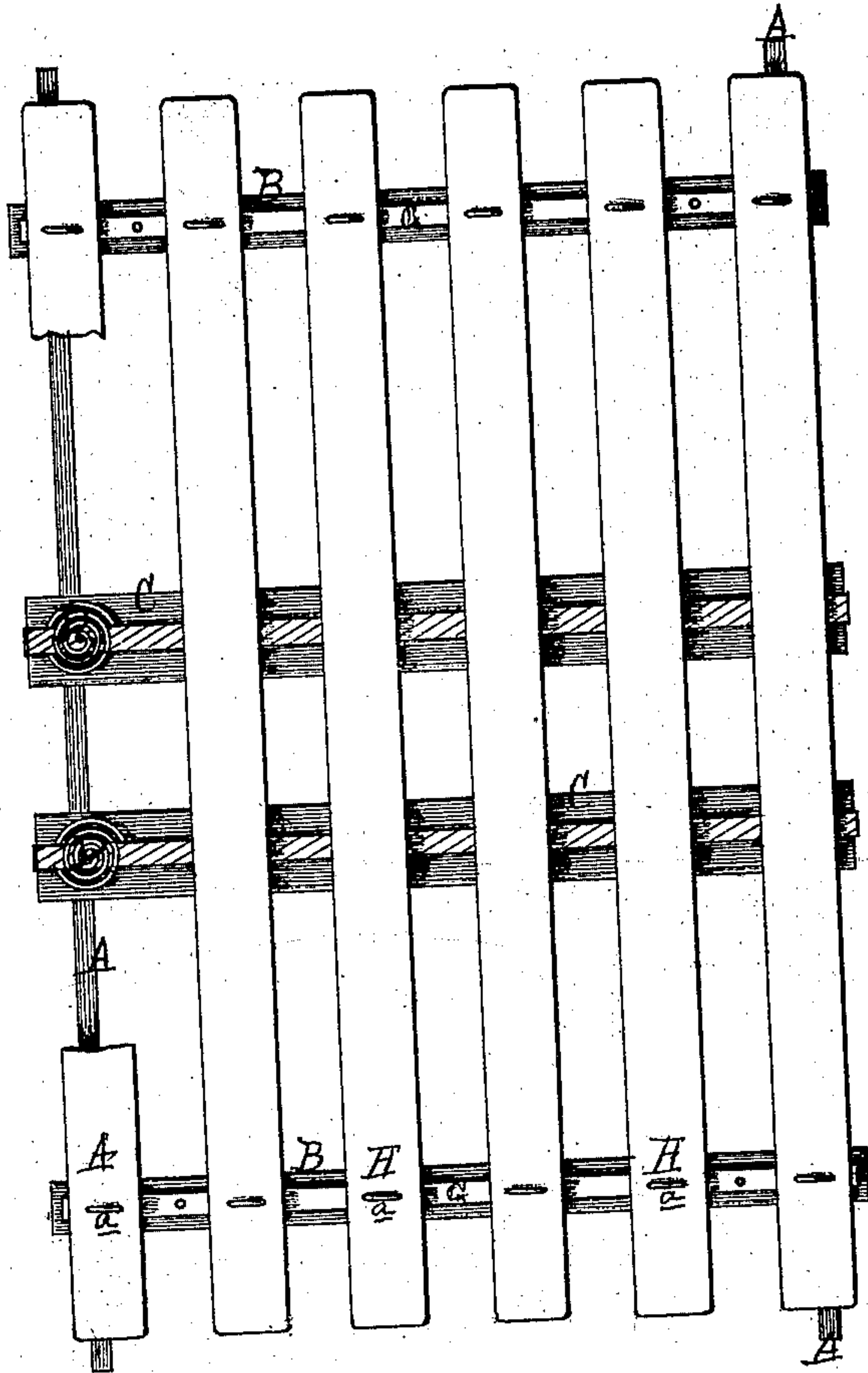


Figure 2—

ATTEST
James Thierry
H. S. Sprague

INVENTOR:
J. L. Secomb
Per Atty
Thos. S. Sprague

United States Patent Office.

JOHN L. SECOMB, OF DETROIT, MICHIGAN.

Letters Patent No. 99,790, dated February 15, 1870.

IMPROVED SPRING BED-BOTTOM.

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

To whom it may concern :

Be it known that I, JOHN L. SECOMB, of Detroit, in the county of Wayne, and State of Michigan, have invented a new and useful Improvement in Spring Bed-Bottoms; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon, and being a part of this specification, in which—

Figure 1 represents a plan view of my invention, with a portion broken out to show the central springs.

Figure 2 is an end elevation of the same.

Like parts are indicated by like letters in each figure.

The nature of this invention relates to an improvement in spring bed-bottoms; and

It consists in the employment and arrangement of spring bars at the head and foot, and the arrangement of said spring bars with the other portions of said bottom, which are known devices, the whole forming a durable, economical, and very elastic article.

In the accompanying drawings—

A represents two longitudinal bars, designed to be of a suitable length to fit between the head and foot-boards of a common bedstead.

To these bars A are secured, at or near their ends, the transverse bars B, whose length should correspond to the desired width of the bed, and which, in conjunction with the bars A, form the frame of my bed-bottom.

Other and wider transverse bars, C, are also secured at their ends to the bars A, and form supports for the spiral springs D, which are secured to said bars in any proper manner.

E are spring bars, one of which is secured, by bolts or otherwise, to and underneath each of the transverse bars B.

Near the outer ends of these spring bars are secured the vertical guide-rods F, which pass upward through suitable holes in the bars B, and are secured at their upper ends to the transverse bars G.

The longitudinal slats H are secured near their ends to and upon the transverse bars G by means of staples *a*, screws, or by other appropriate devices; and the upper ends of the series of spiral springs C are secured to the slats H.

Care should be taken that the bars C, with the spiral springs imposed thereon, are placed relatively nearer the head of the frame than to the foot thereof, in order that the springs may be brought under the heavier portions of the person in the bed.

The spiral springs being depressed by the weight of the occupants of the bed, the spring bars above described will be correspondingly depressed by the weight of the extremities of the persons, and the bed will be found elastic, and readily conforming to the shape of the body.

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

In combination with the spring bars E, with the guide-rods F, and transverse bars B and G, the frame composed of the bars A and B, the bars C, the spiral springs D, and slats H, when constructed as described and arranged to operate as set forth.

JOHN L. SECOMB.

Witnesses:

THOS. S. SPRAGUE,
H. S. SPRAGUE.