A. Bingham,

Bed Bottom,

No. 25,171, Patented Aug. 23, 1859.

Fig: 1.

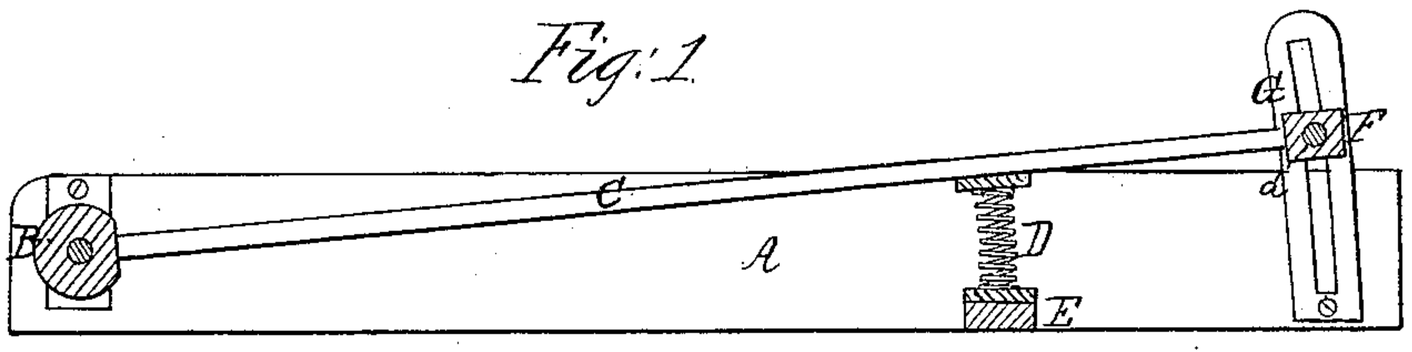
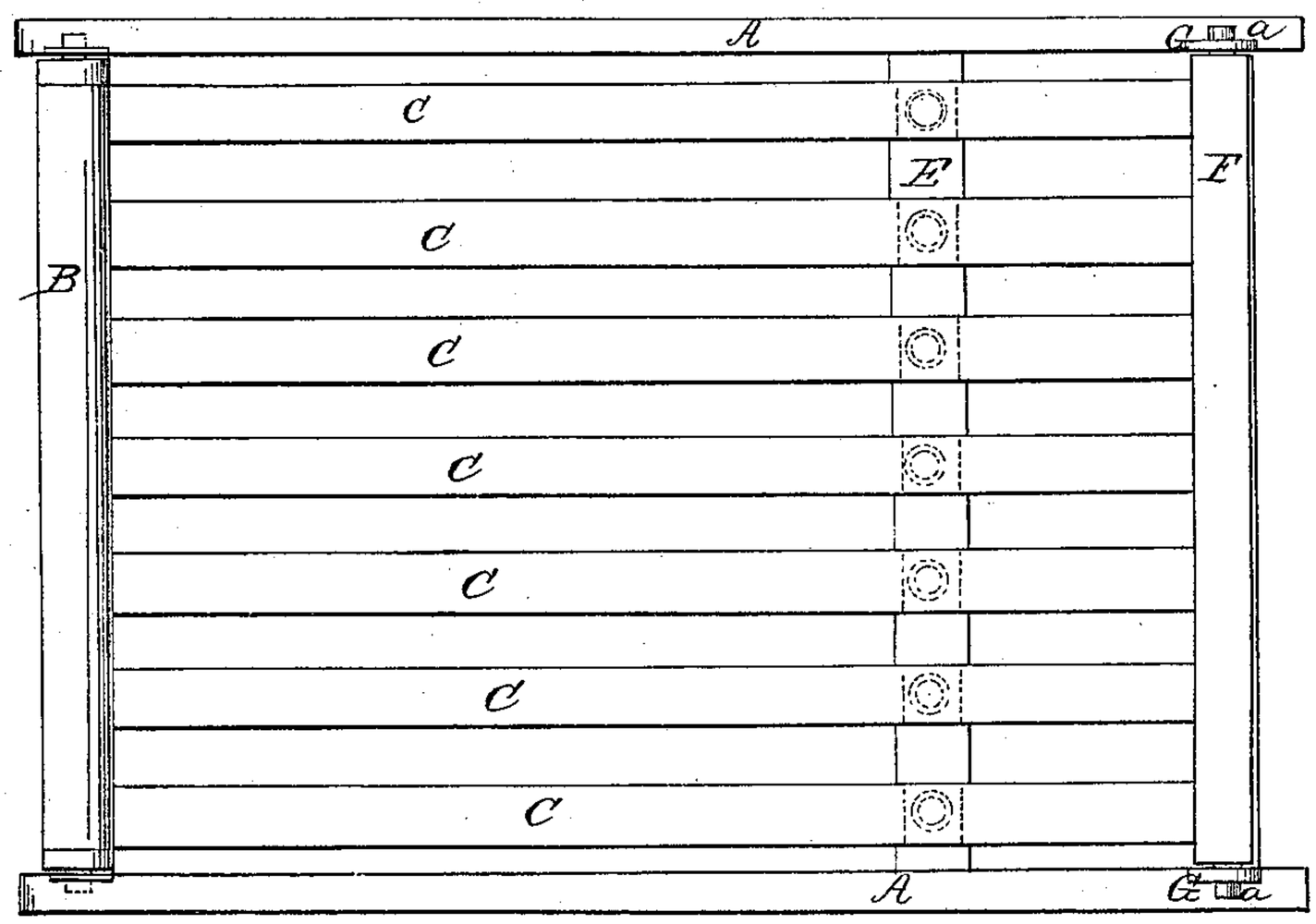


Fig: 2.



Witnesses.
Wm H. Thornton
H H Hamill

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UNITED STATES PATENT OFFICE.

A. BINGHAM, OF TALLADEGA, ALABAMA.

BED-BOTTOM.

Specification of Letters Patent No. 25,171, dated August 23, 1859.

To all whom it may concern:

Be it known that I, A. BINGHAM, of Talladega, in the county of Talladega and State of Alabama, have invented a new and Improved Bed-Bottom; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1, is a longitudinal vertical section of my invention. Fig. 2, is a plan or top view of ditto.

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

This invention consists in having the bed-bottom formed of a series of longitudinal inclined slats placed at suitable distances apart, their lower ends attached to a foot rail which is pivoted to the side rails and their upper ends attached to a head rail the ends of which are fitted in curved guides attached to the side rails, each slat resting on a spiral spring and the whole arranged as hereinafter shown whereby a simple, durable and elastic bed bottom is obtained.

To enable those skilled in the art to fully understand and construct my invention I will proceed to describe it.

A, A, represent two side rails between which at one end a cross rail B, is pivoted and allowed to turn or work freely. To this rail B, a series of wooden slats C, are attached at equal distances apart. These slats each rest on spiral springs D, and the springs are secured to a cross bar E, the ends of which are attached to the side rails A, A. The slats C, are somewhat inclined, the lower or depressed ends being at the foot of the bed-bottom at the part where they are attached to the cross rail B. The elevated ends of the slats C, are attached to a head rail F, the ends of which have pins *a*, driven in it, said pins being fitted in curved or segment guides G, attached to the rails.

The springs D, it will be seen are considerably nearer the elevated than the depressed ends of the slats as more elasticity is required at that part of the bed-bottom.

The slats C, are retained in proper position by the foot rail B, and head rail F, and at the same time are allowed to work or move freely in consequence of the foot rail B, being allowed to turn on its pivots and the head rail F, allowed to rise and fall in the curved guides G, which form portions of circles of which the axis of the foot rail B, is the center.

From the above description it will be seen that an elastic yet durable bed-bottom is obtained. The difficulty attending the elastic slatted bed-bottoms hitherto devised has been that the slats have each an independent movement or, are allowed to yield or vibrate one independently of the other, and the bottoms soon get out of repair. The slats also have in many cases their upper ends attached to elastic straps which soon lose their elasticity or become relaxed so as to be very inefficient. By my invention this difficulty is obviated.

I do not claim broadly the employment or use of longitudinal slats resting on spiral or other springs to form a bed-bottom for such device has been previously used; but,

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

The arrangement and combination of the longitudinal slots C, rocking foot rail B, rising and falling head rail F, and segment guides G, as and for the purpose herein shown and described.

A. BINGHAM.

Witnesses:

WM. H. THORNTON,

H. H. HAMILL.