

B. Partello.
Bed Bottom.

Nº 92,878.

Patented Jul. 20, 1869.

Fig. 1.

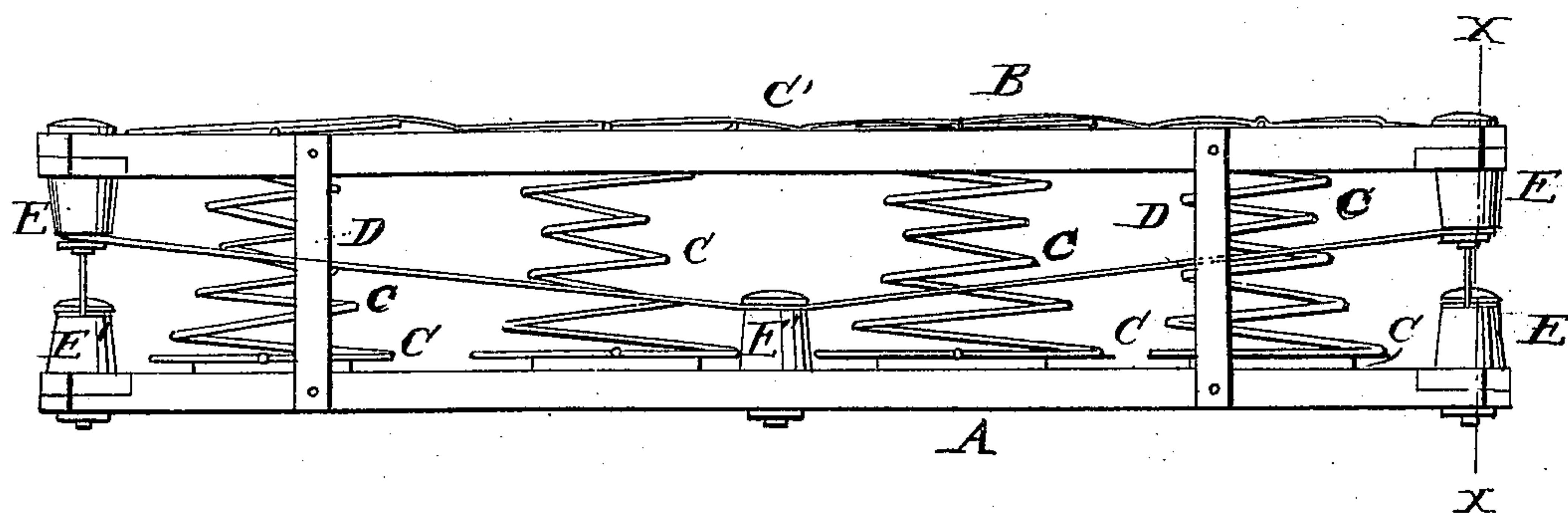
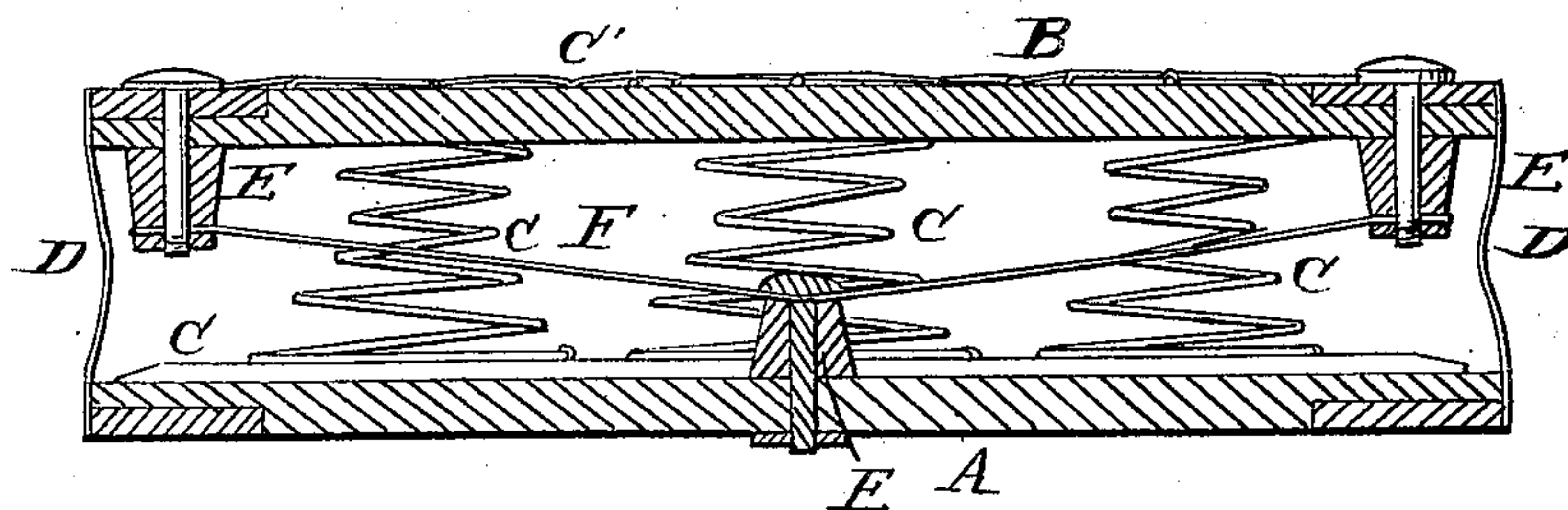


Fig. 2.



Witnesses:

Frederic Thomas

E. A. Clarkson

Inventor:

B. Partello
by H. W. Beadle
Attorney

UNITED STATES PATENT OFFICE.

BYRON PARTELLO, OF DETROIT, MICHIGAN.

IMPROVED BED-BOTTOM.

Specification forming part of Letters Patent No. 92,878, dated July 20, 1869.

To all whom it may concern:

Be it known that I, BYRON PARTELLO, of Detroit, in the county of Wayne and State of Michigan, have invented a new and useful Improvement in Bed-Bottoms; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

This invention relates to an improved bed-bottom; and consists, mainly, in the devices for preventing the bed from swaying.

It also consists, however, in a general combination and arrangement of the parts, the details of all which will be fully described hereinafter.

In the drawings, Figure 1 represents a side elevation of my improved bed-bottom; and Fig. 2, an end view through the line *xx*, Fig. 1.

To enable others skilled in the art to make and use my invention, I will now proceed to describe fully its construction and operation.

The main object of this invention is to provide noiseless, simple, and effective means for preventing the bed from swaying.

A represents the lower frame of a double-frame bed-bottom, and B the upper. CC represent cross-slats, upon which the springs *c* rest. *c'* represent cords, which hold the springs in position. *dd* represent the retaining-straps, by means of which the upward motion of the bed is limited.

The entire construction thus far described is common in bed-rooms. The devices, however, to prevent the frame from swaying are believed to be novel, and are as follows:

E E represent posts attached at or near the corners of the upper frame, and E' E' posts attached at or near the middle of the lower frame.

It will be observed that the lower posts, E', are higher than the upper, the difference between being the thickness of the slats C C.

F represents a wire, which extends from one corner-post on the upper frame to the middle post on the lower, and thence up again to the next corner-post, and so on about the bed. A single wire may be used, or separate fastenings may be made, if desired, at each post. The wire is attached to the post by any suitable means. I preferably employ a bolt, which passes through the frame, as shown in the

drawings. By the employment of the posts the wires are brought more nearly to a horizontal line than could otherwise be the case. It therefore follows that when the bed is depressed there is but little play of the wires, the difference between the arc of the circle described by the extreme limit of the wire and the vertical line in which the frame moves being not more than a sixteenth of an inch in a full-sized bed. This play practically amounts to nothing. If the wires were used without the posts the play, of course, would be much greater. The arrangement of the wires is also desirable. In the ordinary construction, where the wires cross each other, noise is inevitably made by the rubbing of the wires against each other when the bed is depressed. In my arrangement, however, the wires do not cross, and therefore no noise can be produced. Of course, if desired, wires may be arranged as described without the posts being used.

It will be readily seen that the device herein described is noiseless and effective, while, at the same time, it can be cheaply manufactured and easily applied.

I do not limit myself to the precise location of the posts, nor to the precise arrangement of the wires. The relative position of the posts may, of course, be changed, if desired, without affecting the result—that is, the posts represented as being placed upon the lower frame may be placed upon the upper, and vice versa. Instead of wires, also, metal in strips or any other suitable material may be used, if preferred.

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

1. The posts E E', when combined with the wire F in such manner as to hold the latter nearly in a horizontal line, as and for the purpose described.

2. The combination and arrangement of the frames A B, slats C, springs *c*, and wire F, in the manner and for the purpose described.

This specification signed and witnessed this 8th day of June, 1869.

BYRON PARTELLO.

Witnesses:

CHAS. F. BROWN,
FRED. THOMAS.