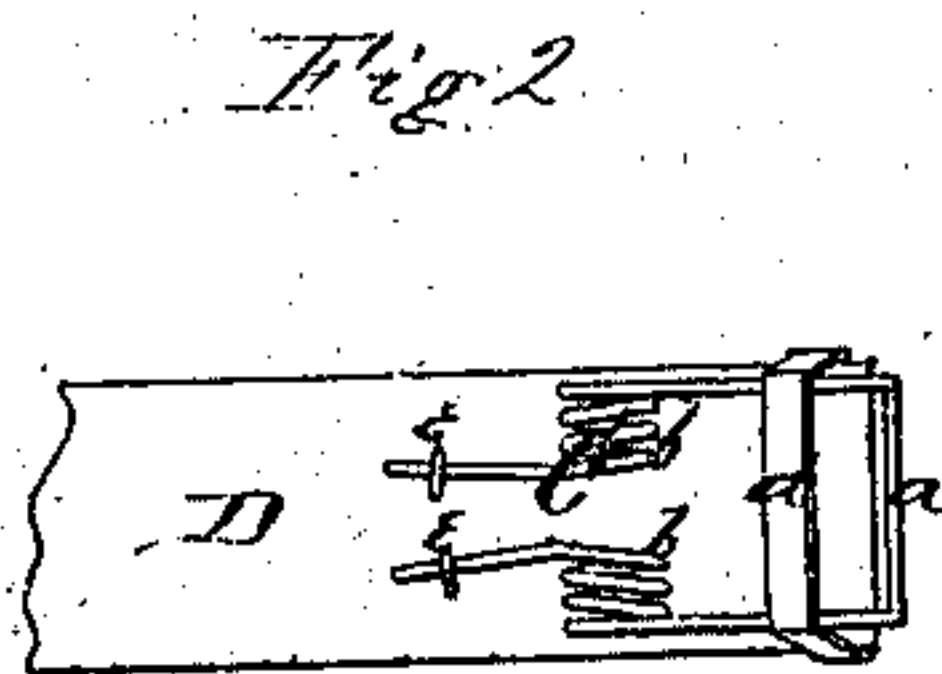
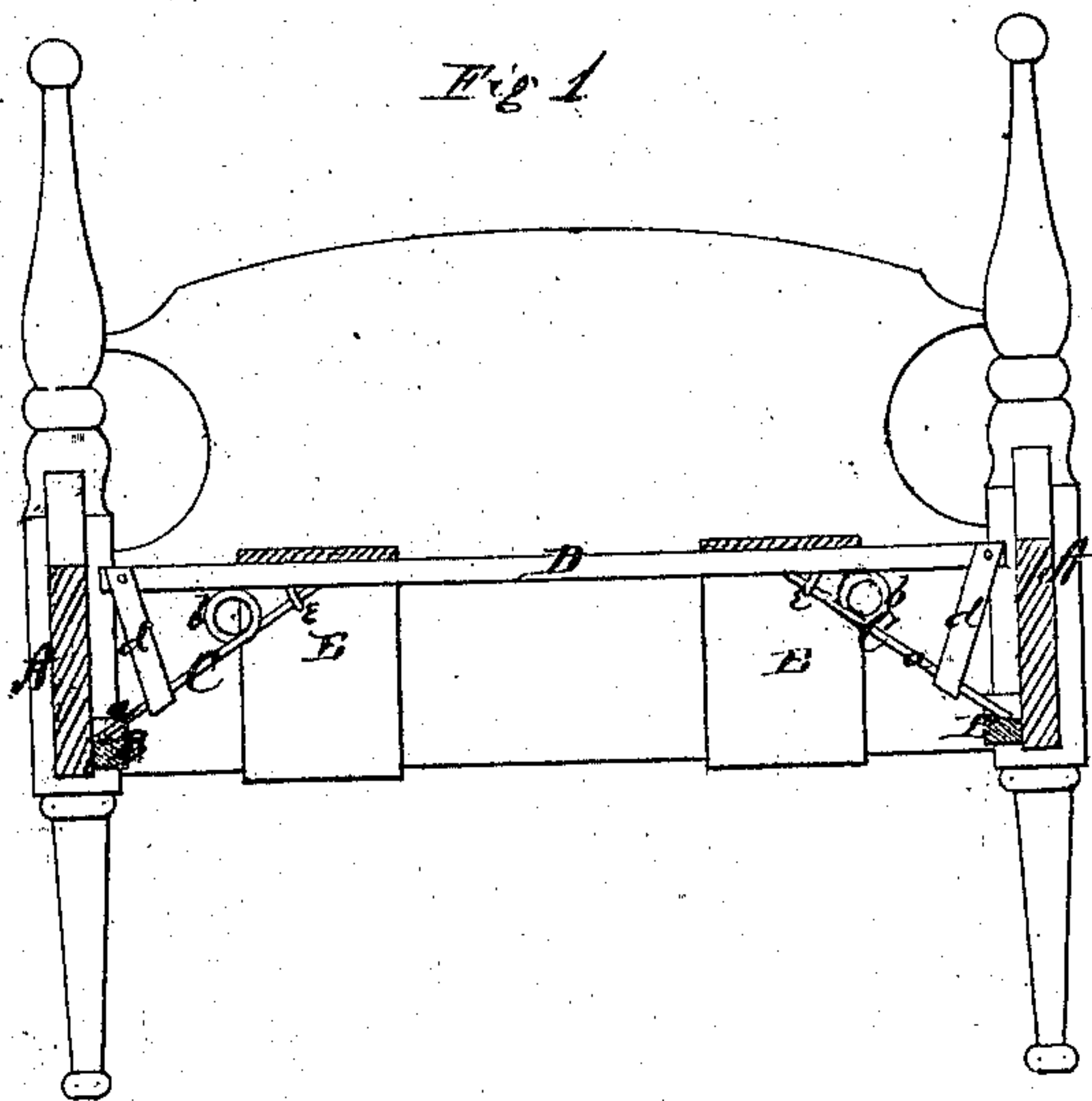


*J. N. Newell,
Bed Bottom.*

No. 103,226.

Patented May. 17, 1870.



Witnesses
Harry King
E. A. Cuest.

Inventor.
Joseph N. Newell
per
Alexander Mason
Atty.

United States Patent Office.

JOSEPH N. NEWELL, OF ADRIAN, MICHIGAN.

Letters Patent No. 103,226, dated May 17, 1870.

IMPROVED BED-BOTTOM.

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

To all whom it may concern :

Be it known that I, JOSEPH N. NEWELL, of Adrian, in the county of Lenawee and in the State of Michigan, have invented certain new and useful Improvements in Bed-Bottoms; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction and arrangement of a bed-bottom, as will be hereinafter fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawings, in which—

Figure 1 is a transverse vertical section of my bed and bed-bottom, and

Figure 2 is a bottom view of one end of one of the bed-slats.

A represents a bedstead of any desirable construction.

Upon the inside, near the lower edge of each side of the bedstead, is placed a bar, B, running the entire length of the bedstead, said bar being, on its upper edge, provided with a series of recesses, in which rest the springs C C, which are secured on the under side of and near the ends of the bed-slats D D, said slats running transversely across the bedstead.

Each of the springs C is made of one piece of wire, bent in the middle, so as to form the bail, *a*, which rests in the recess on the bar B.

The wire is then formed into the two coils *b b*, and the ends inserted into the under side of the slat D, and held by staples *c c*, as shown in fig. 2.

On the edges of the slat E, near the end thereof, is secured a leather strap, E, which passes around the bail *a* of the spring *c*, to hold the spring and slat in proper position.

Across the bed-slats D D, running lengthwise of the bed, are straps, E E, secured to the slats, and their ends secured to the lower edges of the end-pieces of the bedstead.

These straps hold the slats in proper position.

Having thus fully described my invention,

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

The combination of the recessed bars B B, springs C C, slats D D, and straps *d d*, all substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing, I have hereunto set my hand this 15th day of March, 1870.

J. N. NEWELL.

Witnesses:

R. R. ROBBINS,
WILLARD STEARNS.