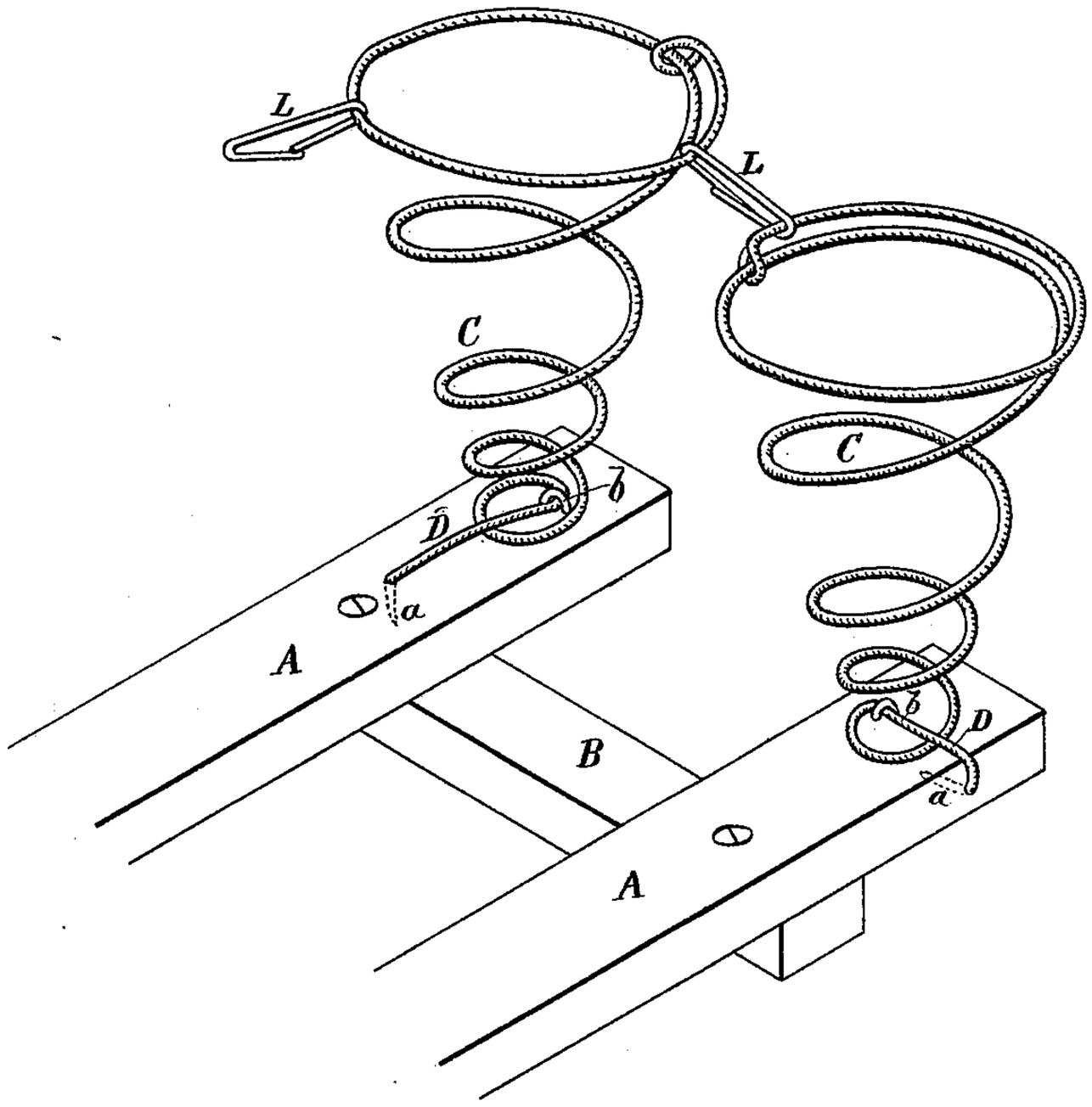
C. E. SMITH & E. J. BEVERSTOCK.

SPRING BED-BOTTOM.

No. 190,633. Patented May 8, 1877.



WITNESSES

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UNITED STATES PATENT OFFICE.

CHARLES E. SMITH AND EDWIN J. BEVERSTOCK, OF ALLEGAN, MICHIGAN.

IMPROVEMENT IN SPRING BED-BOTTOMS.

Specification forming part of Letters Patent No. **190,633**, dated May 8, 1877; application filed November 9, 1876.

To all whom it may concern:

Be it known that we, CHAS. E. SMITH and EDWIN J. BEVERSTOCK, of Allegan, in the county of Allegan, and in the State of Michigan, have invented certain new and useful Improvements in Spring Bed-Bottom; 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.

This invention relates to the mode or manner of attaching single cone-coiled wire springs to wooden slats or frame for a spring bed-bottom, the springs being connected together at their upper and large ends by metallic links; and it consists in the construction and mode of attaching the lower ends of the springs to the slats, the object being a soft and yielding bed-bottom, made of coiled springs attached to wooden slats in a novel, safe, and economical manner, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which our invention appertains to make and use the same, we will now proceed to describe its construction and operation, referring to the annexed drawing, which represents a perspective view thereof.

A A represent wooden slats, connected and braced by cross-bars B B, and upon said slats the springs C C are supported and held in the following manner:

The springs C are made in spiral form, of suitable wire, and their upper ends are connected and held in position by means of links L.

The lower end of each spring C terminates in a hook, *a*, to be driven into the slat at the side or on top, as desired.

This hook *a* is formed at the end of a continuation, D, of the lower coil of the spring, which arm or part D crosses the lower coil before it is made fast to the slat, and thereby binds down the spring as by a lever, and holds the spring securely in place after the hook *a* has been driven in, and a staple, *b*, driven into the slat over the inner end of the arm D.

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

1. The spring C, formed with an arm, D, having hook *a* at its lower end, which arm crosses the lower coil of the spring, and acts as a lever to bind down the spring to the slats, for the purposes herein set forth.

2. The combination of the arm D, having hooks *a* crossing the lower coils of the springs C, the slats A, cross-bars B, links L, and staples *b*, substantially as and for the purposes herein set forth.

In testimony that we claim the foregoing we have hereunto set our hands this 13th day of October, 1876.

CHAS. E. SMITH.
EDWIN J. BEVERSTOCK.

Witnesses:
JOHN M. HEATH,
J. E. BABBITT.