

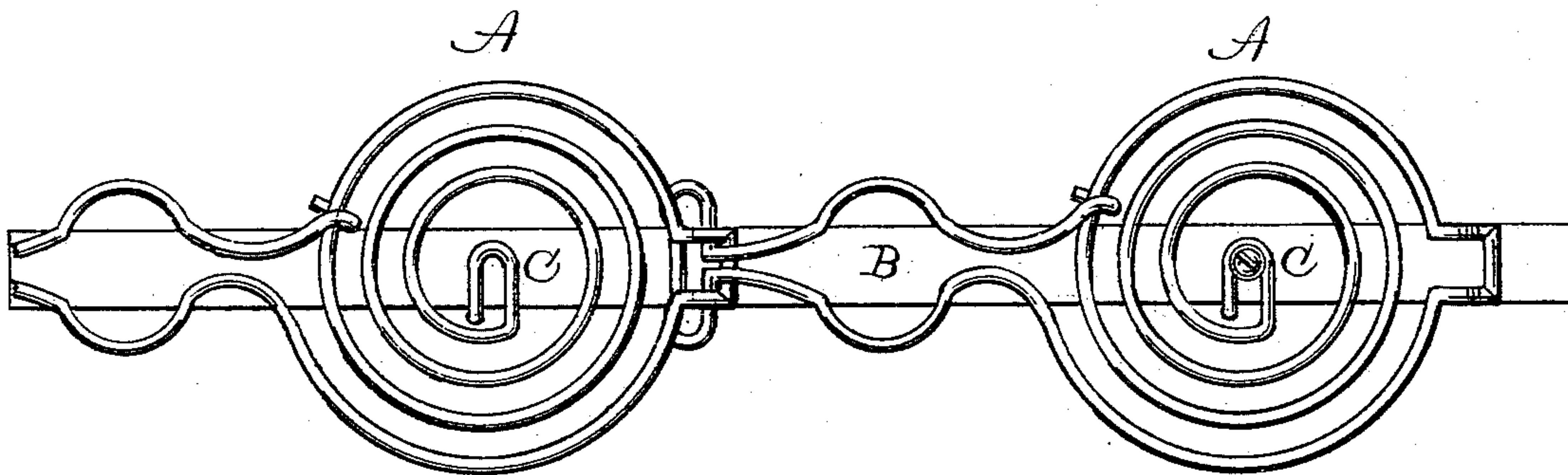
(No Model.)

J. A. KIENARDT.

BED SPRING.

No. 277,136.

Patented May 8, 1883.



WITNESSES

John Drautman
Leopold Leibold

INVENTOR

John A. Kienardt
By B. Pickering
His Atty.

UNITED STATES PATENT OFFICE.

JOHN A. KIENARDT, OF DAYTON, OHIO, ASSIGNOR OF TWO-THIRDS TO FRANK WOGAMAN AND WILLIAM F. PATTERSON, BOTH OF SAME PLACE.

BED-SPRING.

SPECIFICATION forming part of Letters Patent No. 277,136, dated May 8, 1883.

Application filed March 21, 1883. (No model.)

To all whom it may concern:

Be it known that I, JOHN A. KIENARDT, a citizen of the United States, residing at Dayton, in the county of Montgomery and State of Ohio, have invented a certain new and useful Improvement in Bed-Springs; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to 10 which it appertains to make and use the same, reference being had to the accompanying drawing, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to the ordinary cone-shaped spirally-coiled spring used for bed-springs; and it consists of the manner of interlocking separate springs and attaching the same to the slat. The objects are to conveniently interlock the springs and provide intermediate support, and to fasten the springs in a fixed position to the slats. I attain these objects by the mechanism illustrated in the accompanying drawing, which is a top view of a pair of springs.

25 A A are a pair of cone-shaped spiral coils with the vertex at the bottom, and are manufactured of suitable wire.

At C is represented the lower end of the wire, which is bent upon itself and downward 30 to have a bearing against the side of the slat, and is held to the slat by a screw, as shown to the right.

B is the ordinary wooden slat, which is supported from the side rails of a bedstead. To the right the top coil is bent downwardly and outwardly, and to the left it has a double curve, terminating in a T-shaped loop, the free end being hooked over the next coil beneath to support the same. The loop is dropped into the notch of its fellow, and thus are the pairs 10 attached together. This forms a convenient means for attachment and a wide intermediate bearing between the spiral coils of the respective springs.

Having fully described my invention, what I 45 claim, and desire to secure by Letters Patent, is—

1. The cone-shaped spirally-formed bed-spring having a notch on one side and a projection on the other, terminating in a loop to 50 effect an attachment with a like spring, substantially as set forth.

2. A cone-shaped spirally-formed bed-spring having a loop at vertex with a downwardly-bent end, and screw C, in combination with a 55 bed-slat, substantially as set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

JOHN A. KIENARDT.

Witnesses:

B. PICKERING,
SUMNER T. SMITH.