

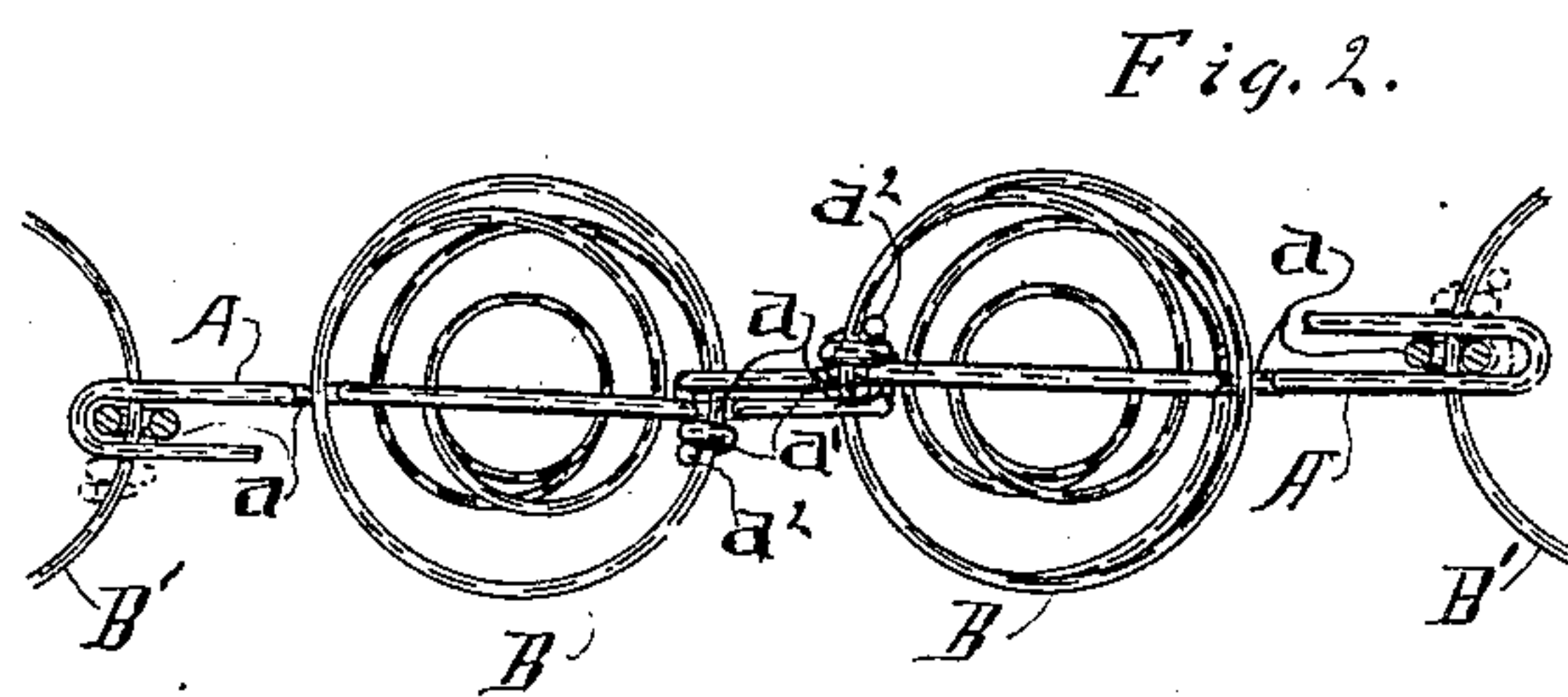
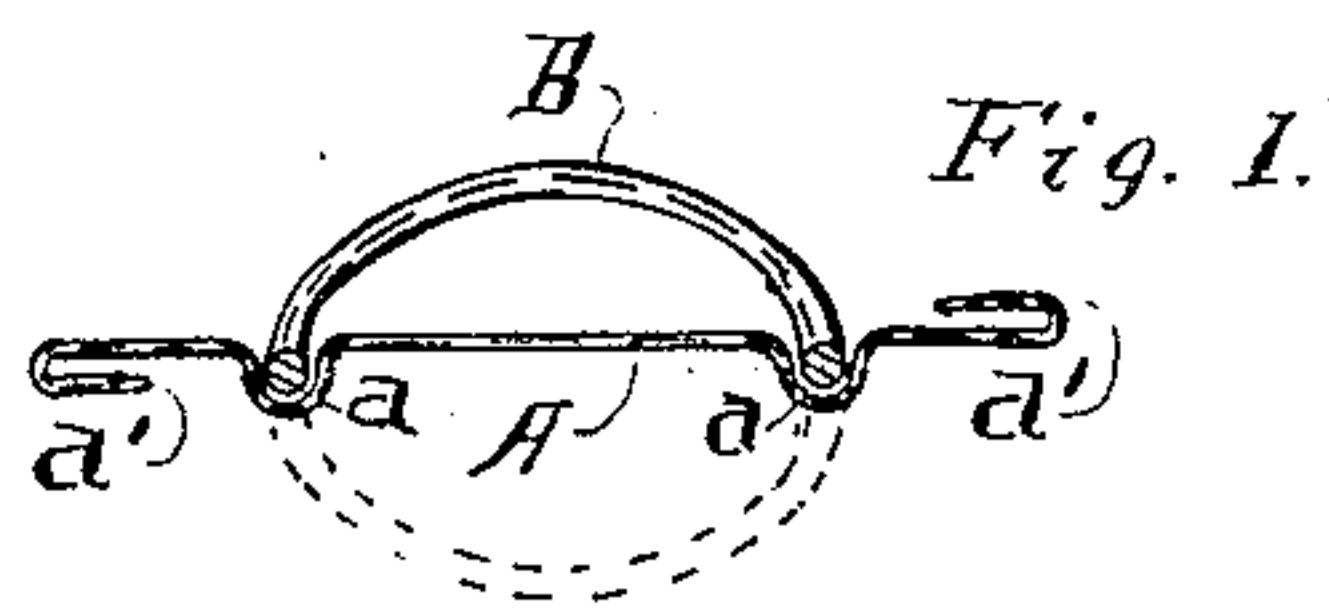
No. 618,386.

Patented Jan. 24, 1899.

C. D. BROUYETTE.
SPRING WIRE MATTRESS.

(Application filed Jan. 17, 1898.)

(No Model.)



Witnesses.

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UNITED STATES PATENT OFFICE.

CHARLES D. BROUYETTE, OF CHICAGO, ILLINOIS, ASSIGNOR TO FRANCIS KARR, OF HOLLAND, MICHIGAN.

SPRING-WIRE MATTRESS.

SPECIFICATION forming part of Letters Patent No. 618,386, dated January 24, 1899.

Application filed January 17, 1898. Serial No. 666,961. (No model.)

To all whom it may concern:

Be it known that I, CHARLES D. BROUYETTE, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Spring-Wire Mattresses, of which the following is a specification.

My invention relates to improvements in spiral-spring mattresses; and its object is to provide a series of links for bracing and securing the ends of the springs that may be readily and easily applied. I attain this object by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a perspective of the link with a section of the upper circle of a spring in position to show the manner in which the link is applied to brace the coil laterally; and Fig. 2 is a plan of portions of disconnected springs, showing the manner of connecting them with the links.

Similar letters refer to similar parts throughout the several views.

The link which I have adapted for the purpose set forth consists of a single wire having two short bows or bends a a proper distance apart and of a proper depth to receive the two opposite sides of the top or bottom coil of the spring and allow the body A of the link to project a short distance above or below, as the case may be, the coil that it supports. At each end of these links I form a bend a' in opposite directions and at right angles with the bends a and in position to pass over the top of the coil that lies in said bends and around said bends, thence back over and around the coil, as shown at a^2 in Fig. 2. The relative position of the link and

the bow in the center of the link is more plainly illustrated upon the partial coils B' in Fig. 2, where the bends a are shown in section around the coil and the end of the link in the position it is placed before being wound around the coil. With this arrangement it is impossible for the link to slide upon the coil and allow the coil to drop over out of place, or one coil to incline in one direction and the other in the opposite direction, or for the upper coil of the spring to spread and slide out of position on the link, and it tends to greatly increase the elasticity of the springs, as they have the benefit of the elasticity of the links, while with the ordinary link such elasticity is not secured.

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

In combination with the vertical coiled springs of a spring-wire mattress, a series of tie-links, each formed of a single piece of wire having depressions in its body for the reception of the opposite sides of the end coil of a spring, and having its end or ends bent in U form to pass over the coil of the next adjacent spring and around the bend in, and under the body of, the next adjacent link in which the coil of said next adjacent spring lies, thence back, hooking over this coil, to form a firm connection between the coils, substantially as and for the purpose set forth.

Signed at Chicago, Illinois, December 30, 1897.

CHARLES D. BROUYETTE.

In presence of—

A. S. DEAN,

J. D. SMITH.