

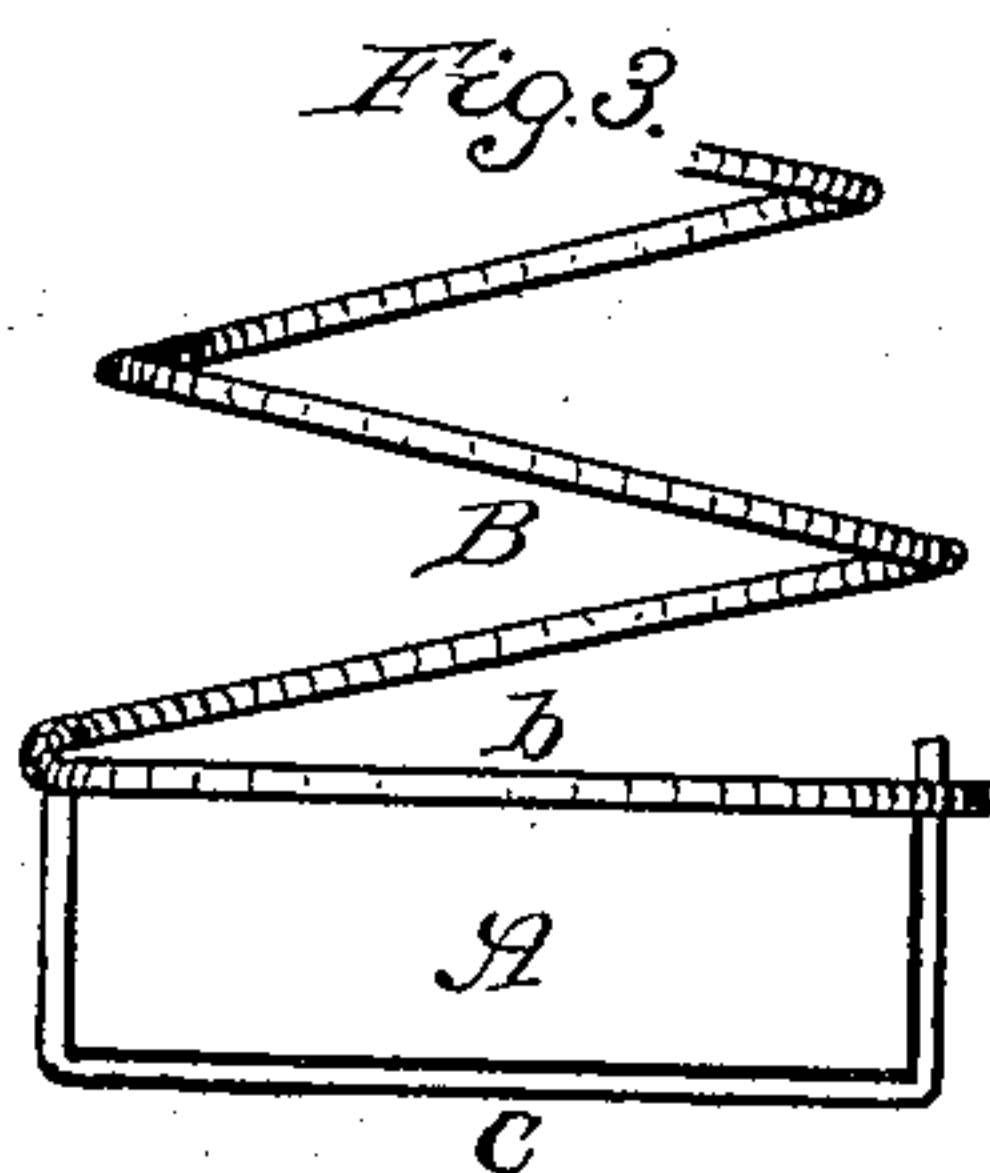
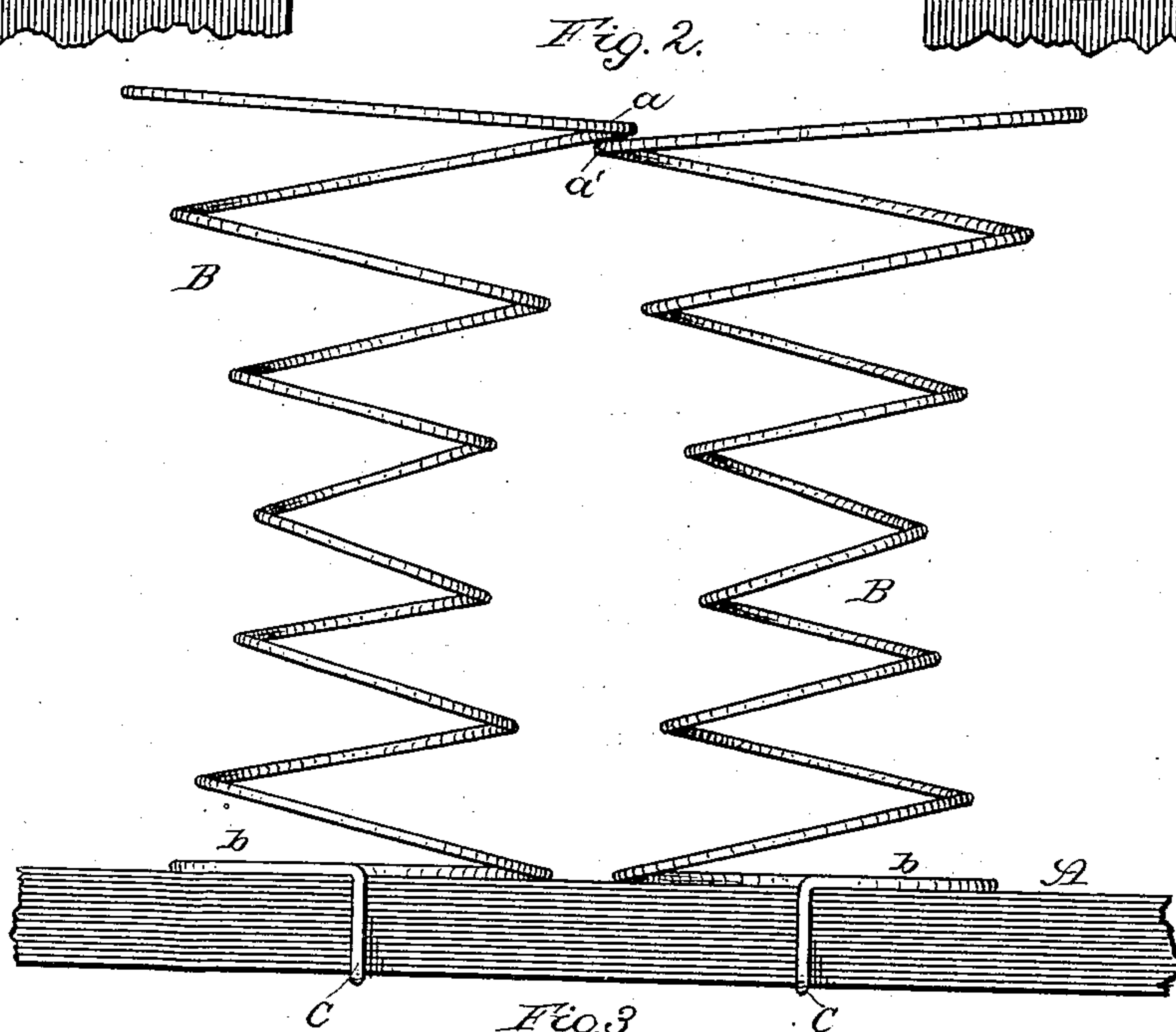
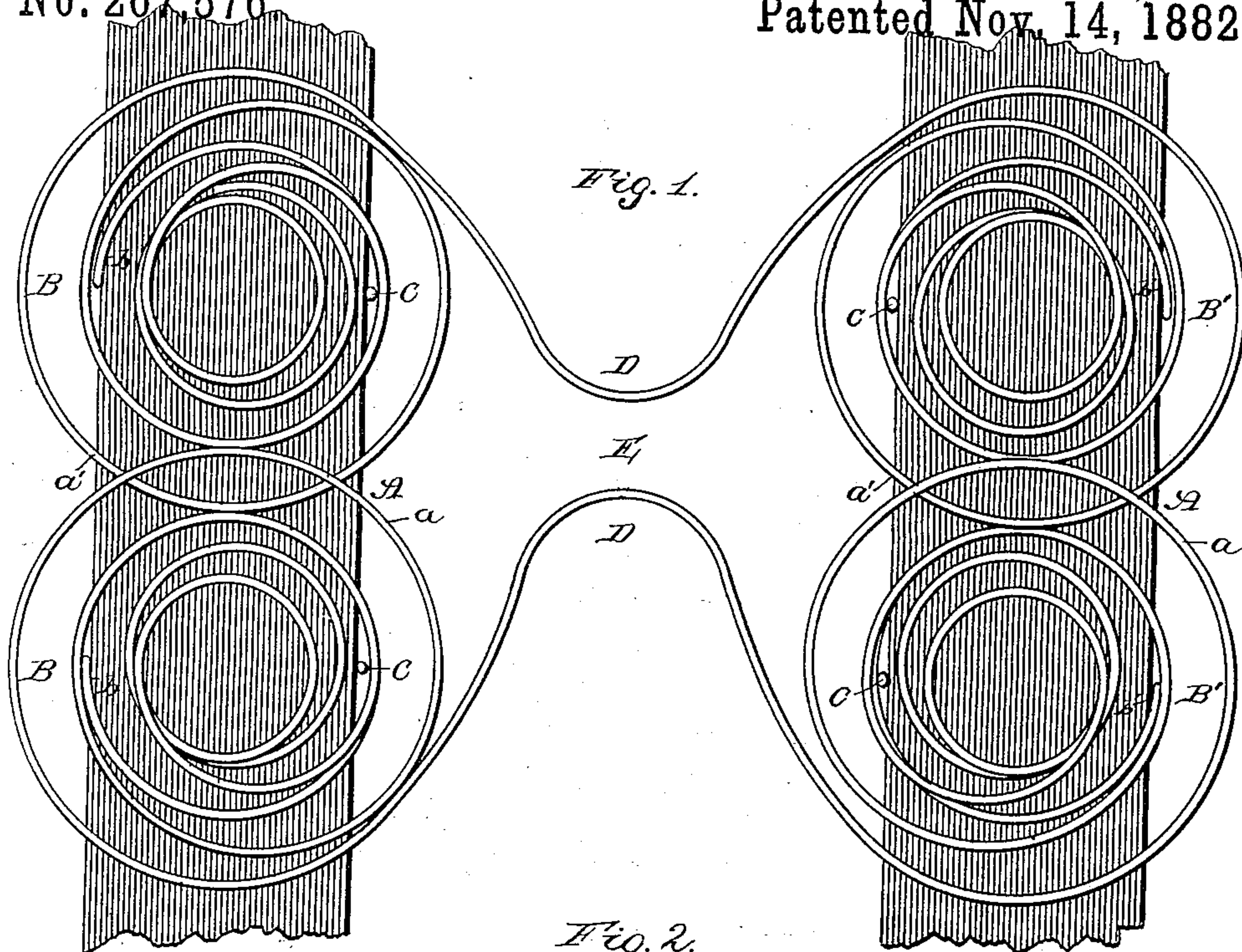
(No Model.)

T. O'BRIEN.

BED SPRING.

No. 267,576

Patented Nov. 14, 1882.



Witnesses:

J. W. Garner
J. W. McElary

Inventor:

Thomas O'Brien
per J. W. McElary & Co. Attys.

UNITED STATES PATENT OFFICE.

THOMAS O'BRIEN, OF MAIDEN ROCK, WISCONSIN.

BED-SPRING.

SPECIFICATION forming part of Letters Patent No. 267,576, dated November 14, 1882.

Application filed September 20, 1882. (No model.)

To all whom it may concern:

Be it known that I, THOMAS O'BRIEN, a citizen of the United States, residing at Maiden Rock, in the county of Pierce and State of Wisconsin, have invented certain new and useful Improvements in Bed-Springs; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to that class of bed-springs known as "twin springs," the object being to so arrange springs of this character that a pair of such springs will act in unison to brace and re-enforce each other on pressure being brought upon them.

The invention consists in the construction and arrangement hereinafter described; and, further, the invention consists in the means for attaching the springs to their respective slats.

In the drawings, Figure 1 is a perspective view, showing a pair of twin springs arranged in accordance with my invention. Fig. 2 is an end view of the same, showing the manner of connecting the springs to the slat-sections; and Fig. 3 is a side view, showing the manner of attaching the spring to the slat.

A A represent two slat-sections, and B B B' B' a pair of twin springs secured thereto and in close proximity one to the other, one side of the upper coils *a a* of the springs B B resting on one side of the upper coils *a' a'* of the spring B' B'. The lower coil, *b b b' b'*, of each spring rests upon the slat and terminates in hook C, which is bent to embrace the sides and bottoms of the slats.

The lower coils *b b'* may project from the upper face of the slat, and the terminal ends *c* of the angular hooks are passed or forced between the slat and coil, as shown in Figs. 1 and 3.

The connecting-wires D D, formed integrally with each pair of twin springs, are bent in-

wardly toward each other, as shown, to form a central platform, E, on the same plane as the outer sides of the upper coils *a' a'*, to receive weight or strain bearing centrally on the springs.

It will be seen from the foregoing that when weight is brought to bear upon the outer side of the upper coils they move inward, thus bracing and re-enforcing each other. The central platforms, E, formed by the bent connections D D, being upon the same plane as the outer sides of the links, receive all strain brought to bear centrally on the springs.

It will also be obvious that by forming the angular hooks C to embrace the sides and bottoms of the slats, as set forth, all boring or recessing of said slats is rendered unnecessary and the use of auxiliary securing devices dispensed with.

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

1. The combination, in a bed-bottom, of a pair of twin springs consisting of the coils B B, connecting-wires D D, and hooks C C, said springs being so arranged on the slats of the bed that their upper coils will overlap each other, while their lower coils will rest upon and project beyond the edge of the slat, to receive the upwardly-bent end of the hook C, substantially as set forth.

2. The combination, in a bed-bottom, of the springs B B', having their lower coils bearing on the slats and projecting therefrom and terminating in angular hooks C C, which embrace the sides and bottoms of the slats, and are passed through the projecting portions of the lower coils of the springs, to hold the ends of the hooks between the coils and the slats, as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

THOMAS O'BRIEN.

Witnesses:

J. J. HEMPHILL,
I. H. STEEL.