(No Model.)

J. U. FIESTER.

BED SPRING.

No. 279,731. Patented June 19, 1883.

Fig. 1.

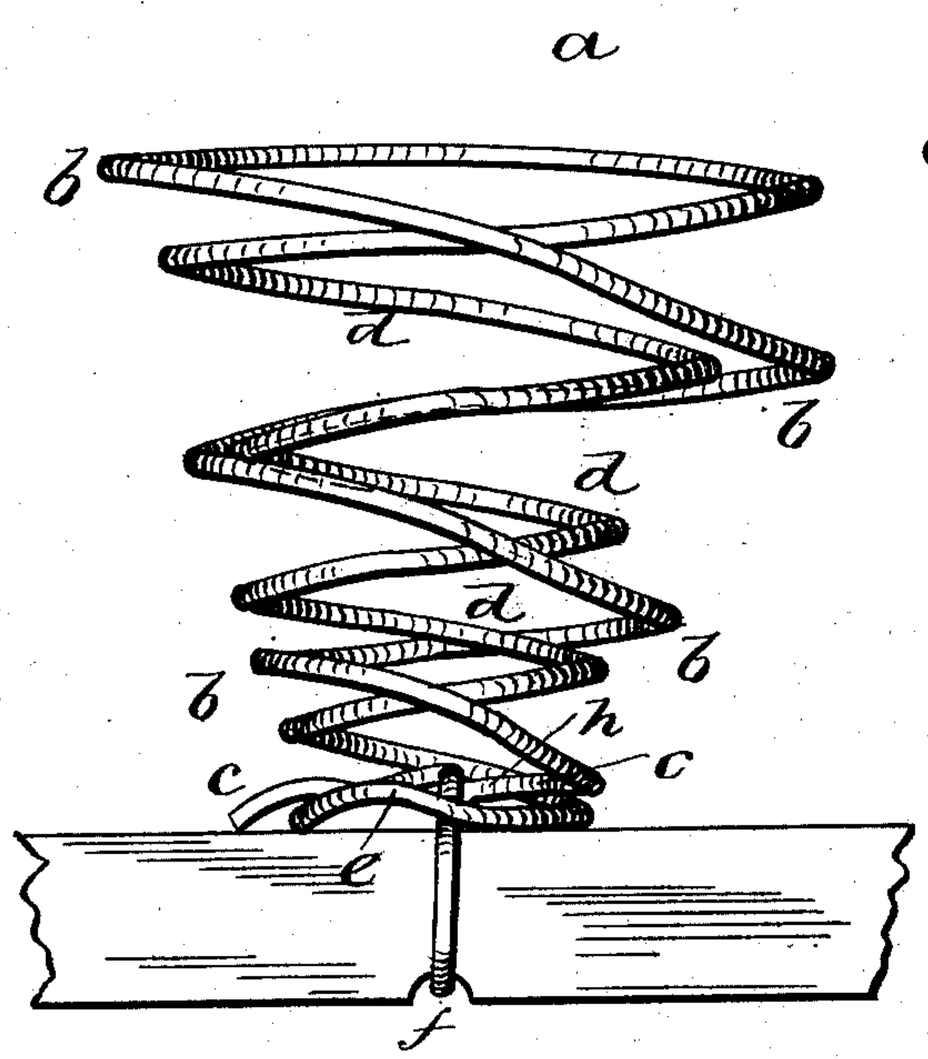


Fig. 2.

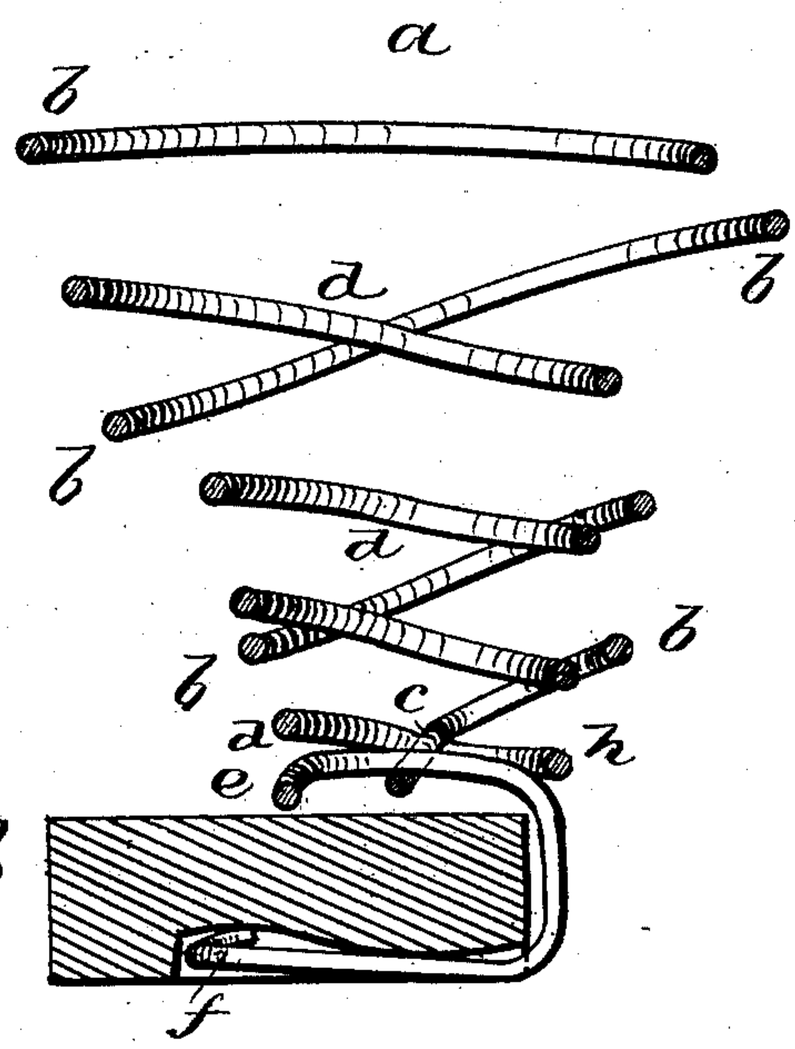
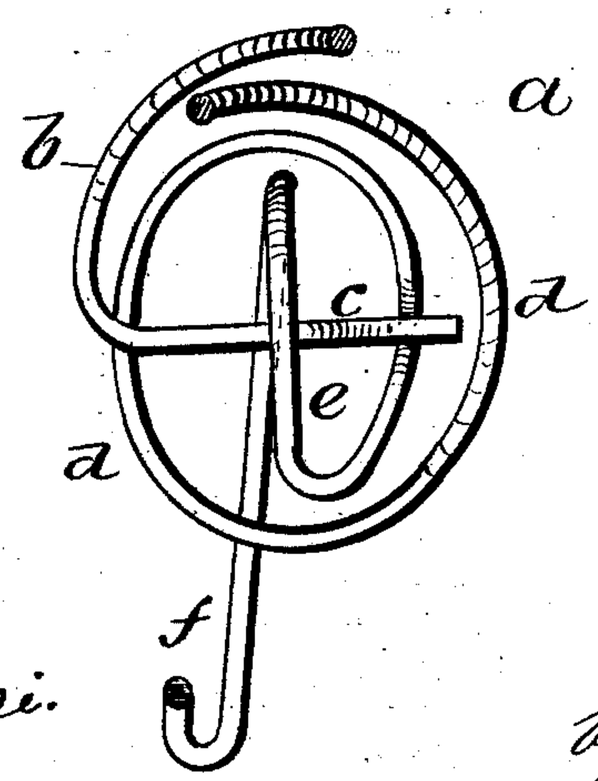


Fig. 3.



Witnesses:
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E. H. Bates

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UNITED STATES PATENT OFFICE.

JOHN U. FIESTER, OF CAMBRIDGE, OHIO.

BED-SPRING.

SPECIFICATION forming part of Letters Patent No. 279,731, dated June 19, 1883.

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

To all whom it may concern:

Be it known that I, JOHN U. FIESTER, a citizen of the United States, and a resident of Cambridge, in the county of Guernsey and State of Ohio, 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 letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a side view. Fig. 2 is a vertical section, and Fig. 3 is a horizontal sectional view.

This invention has relation to that class of bed-springs in which a double spiral passes from the top of the spring—one internal and the other external—down to the slat to which it is fastened; and it consists in the novel construction and arrangement hereinafter fully described, and particularly pointed out in the claim appended.

In this class of springs, heretofore, the double spirals pass down to the slat, and each of them fastens with an angular hook, one fastening being at each side of the slat; hence the spring occupies the middle of the slat. My object is to fasten both lower coils with a single hook engaging one side of the slat, and to have the hooks engaging alternate sides of the slat, so that the springs will not be in line on the slats, but will be in zigzag form thereon. In the old manner of forming the double-spiral spring two coils rest on the slat, and two hooks are required to fasten them to the slat, which entails a useless waste of wire. In my construction the lower end of the outer coil passes through above the lower inner coil, as shown in the drawings, and the hook which is formed on the lower end of the inner coil clamps both lower coils to the slat. The extreme end of the clamp is provided with a fish-hook-formed hook instead of the ordinary angle-hook, which facilitates the placing of the spring upon the slat.

Referring by letter to the drawings, *a* designates the double spiral spring. *b* designates the outer coil, which terminates in the arm *c*. *d* designates the inner coil, which is provided at its lower end with a spring-clamp, *e*, having at its termination the fish-hook end *f*, which insures a biting engagement with the under face of the slat. The arm *c* passes over the lower coil, *h*, and under the upper horizontal portion of the spring-clamp, as shown, so that when the clamp is sprung to place upon the slat both coils are secured by a single hook.

The advantages of this construction in cheapness and ease of putting in place are obvious.

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

A double spiral bed-spring having the lower end of the outer coil passed over the lower inner coil and the upper arm of the spring-clamp formed on the lower inner coil passed over the lower end of the outer coil, and provided at its terminus with a fish-hook bend, substantially as specified.

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

JOHN U. FIESTER.

Witnesses:
H. S. HIXSON,
B. BORTON.