M. VAN SICKLE.
Springs for Bed-Bottoms.

No. 207,833. Patented Sept. 10, 1878.

Fig - 1.

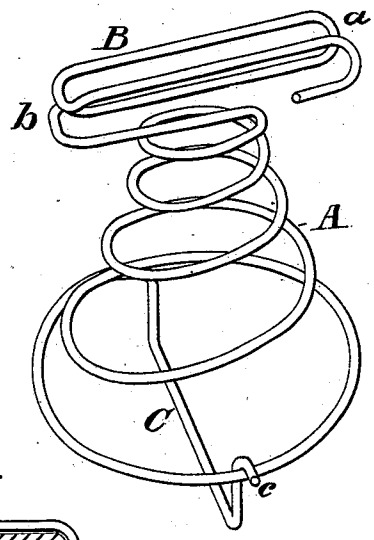


Fig - 2.

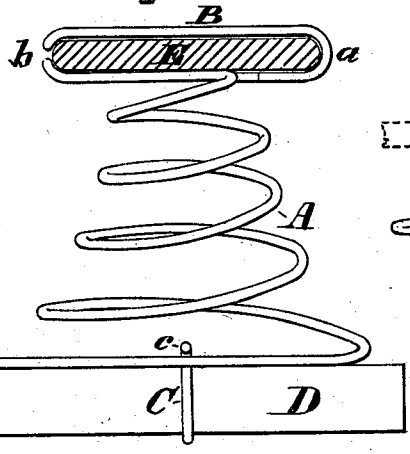


Fig - 4.

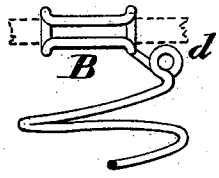
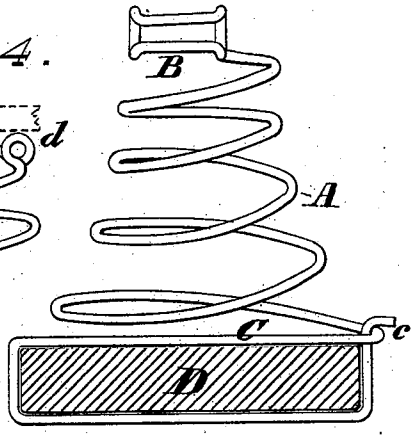


Fig - 3.



ATTEST,

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MICHAEL VAN SICKLE, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN SPRINGS FOR BED-BOTTOMS.

Specification forming part of Letters Patent No. **207,833**, dated September 10, 1878; application filed April 9, 1878.

To all whom it may concern:

Be it known that I, MICHAEL VAN SICKLE, of Brooklyn, in the county of Kings and State of New York, have invented certain Improvements in Springs for Bed-Bottoms, of which the following is a specification:

This invention relates to springs for bed-bottoms adapted to be supported upon slats, and to support other slats, which bear up the mattress; and it consists in a wire spring, having a conical elastic portion and a clasp at each end, all in one piece of wire, for embracing slats, the upper clasp forming an elongated loop, bent to make two flattened jaws, with curved nibs at the extremity, and the lower clasp formed by bending a loop to snugly embrace the slat, and having a hook at the end to catch over the adjacent part of the wire of the spring, all substantially as hereinafter specified.

In the drawings, Figure 1 is a general perspective view of my improved spring. Fig. 2 is a side elevation of the same, showing the upper slat in section. Fig. 3 is an elevation of the spring, taken at right angles to Fig. 2. Fig. 4 is a detached view, showing a modification.

A is the spring or the body of the same. B is the clasp for the top slat, and C is the clasp for the bottom slat. The words "top" and "bottom" here refer only to the figures. The springs may be used either end up. D represents the lower slat, and E the upper slat, upon which the mattress rests. These slats are represented as arranged at right angles to each other; but they may be arranged otherwise. Both of the clasps are formed from the same wire as the spring, and in one piece therewith. The clasp B is made by bending the wire into an elongated loop and then doubling the same on itself by bending it at *a*, so as to form jaws to embrace the slat E. The ends of the jaws are shown as hooked at *b*, to prevent the slat from escaping laterally.

The clasp C is made by bending the surplus wire at the broader end of the spring so as to form an open loop to fit around a slat, D, the free end of the said loop being bent to form a hook, *c*, to catch over the last turn of the spring-wire adjacent thereto, as shown in the several figures.

The springs may be affixed as follows: The hook *c* is disengaged, the loop C put around the slat D, and the hook *c* again engaged by springing the lower turn of wire over it. If the slat fits snugly in the loop, as it should, this fastening will hold it firmly. The upper slat, E, is inserted by springing the jaws open and inserting it sidewise. The elasticity of the jaws holds the slats tightly, even though they may differ in size.

The springs may each be provided with a loop bent in the wire, as at *d* in Fig. 4, or in some equivalent manner. Through these a wire or rod may be run, and all of the springs in a row be tied together.

I claim—

1. As an improved article of manufacture, a wire spring for a bed or bed-bottom, having a conical elastic portion, A, and a clasp to embrace the slat at each end, formed in one piece with the wire of the portion A, substantially as and for the purposes set forth.

2. A wire bed-spring having an elastic clasp, B, constructed in one piece with the spring by forming an elongated loop and bending it at *a* to form two flattened jaws with curved nibs at *b*, to elastically grasp and hold the slat, substantially as herein shown and specified.

3. A wire bed-spring having an elastic clasp on its lesser end, formed from one end of the spring-wire and arranged to embrace and hold the slat elastically, and a clasp, C, on its broader end, also formed from the wire of the spring and in one piece therewith by bending a loop in the same to snugly embrace the slat, and forming a hook, *c*, on the end to catch over the wire of the spring, substantially as set forth.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

MICHAEL VAN SICKLE.

Witnesses:

HENRY CONNETT,

ARTHUR C. FRASER.