

C. S. Muscroft,

Spiral Fastening.

No. 103645.

Patented May 31, 1870.

Fig. 1.

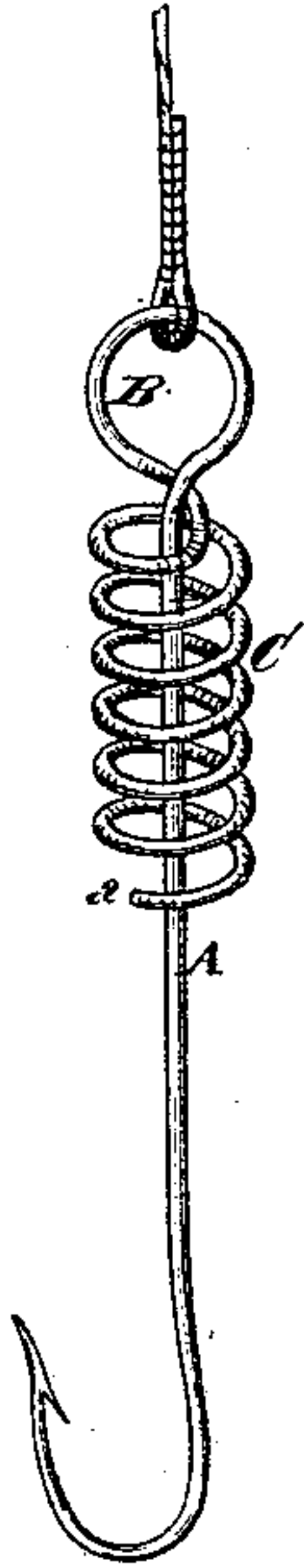


Fig. 3.

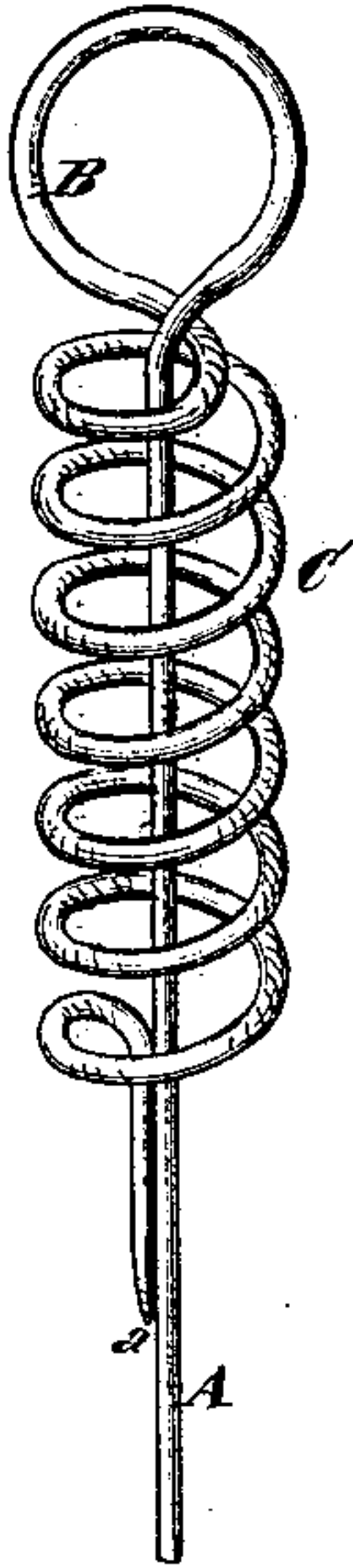


Fig. 2.

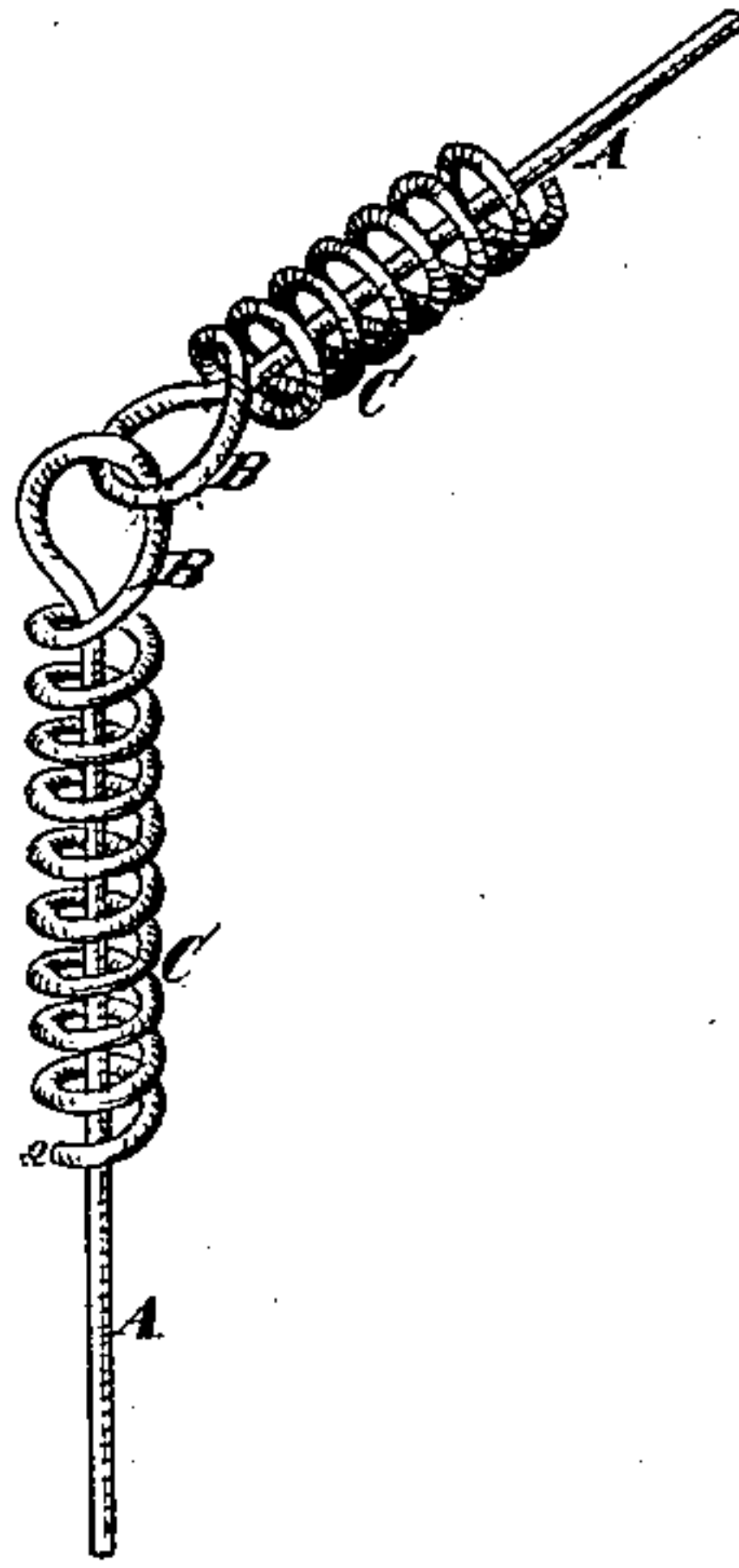


Fig. 4.

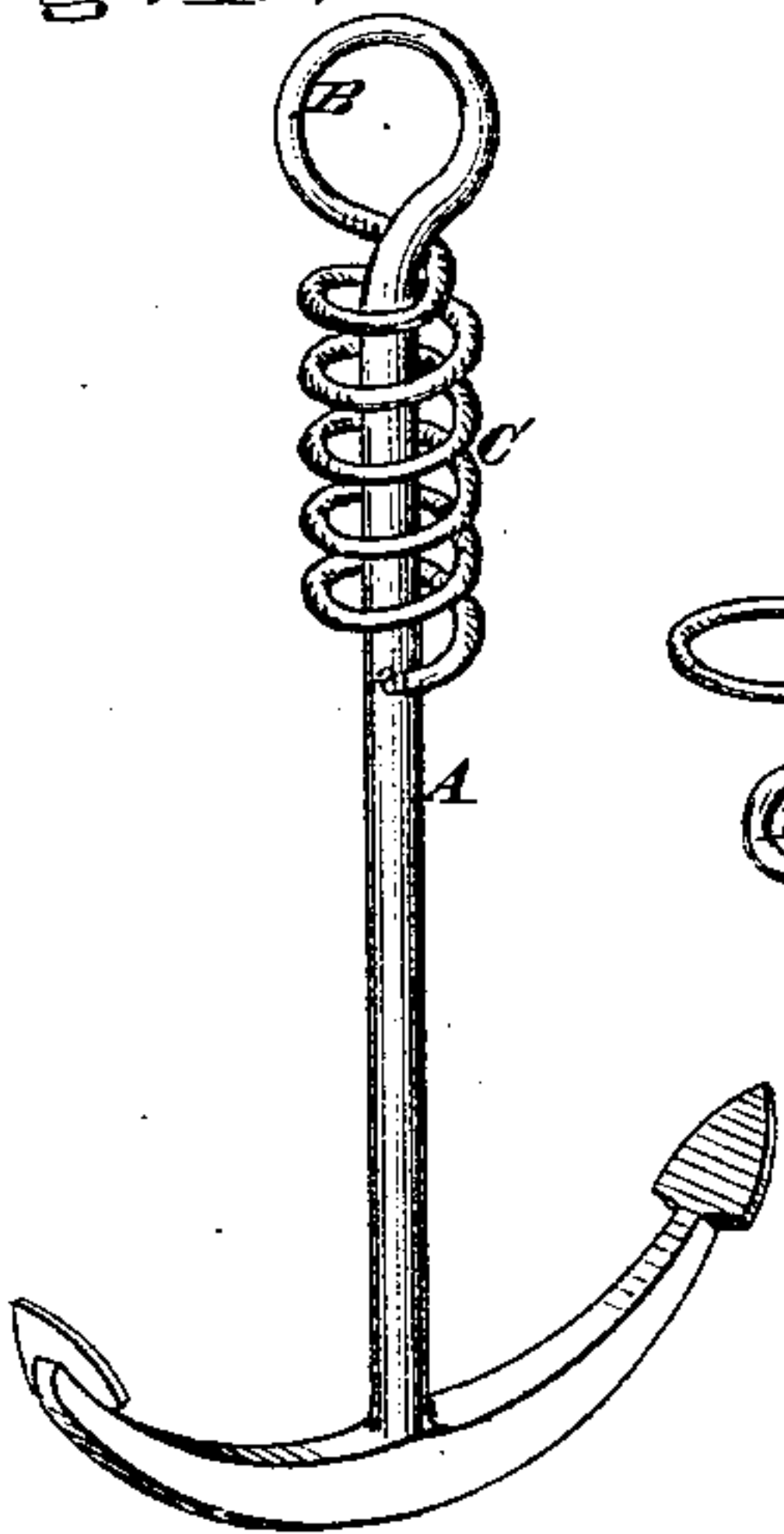


Fig. 5.

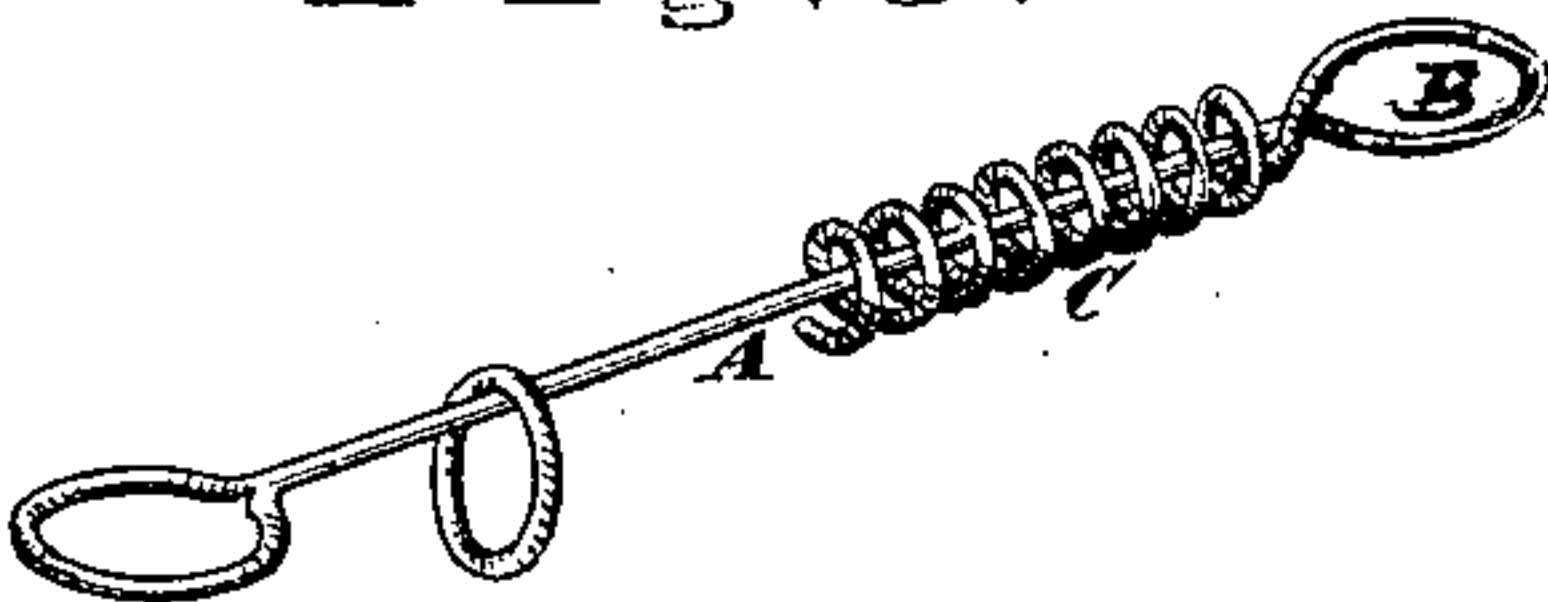


Fig. 6.

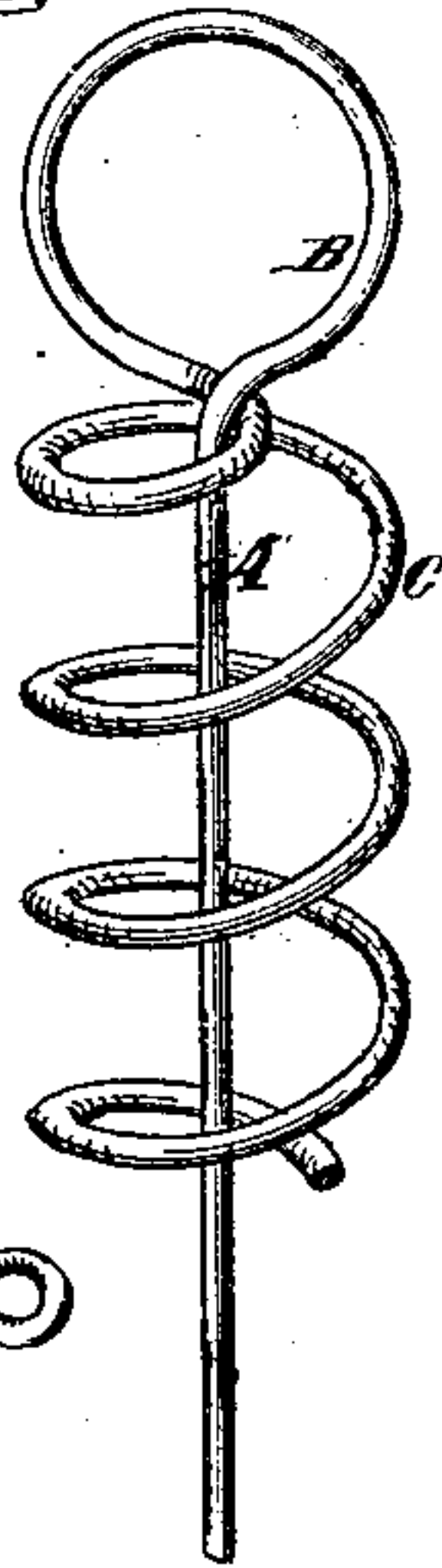
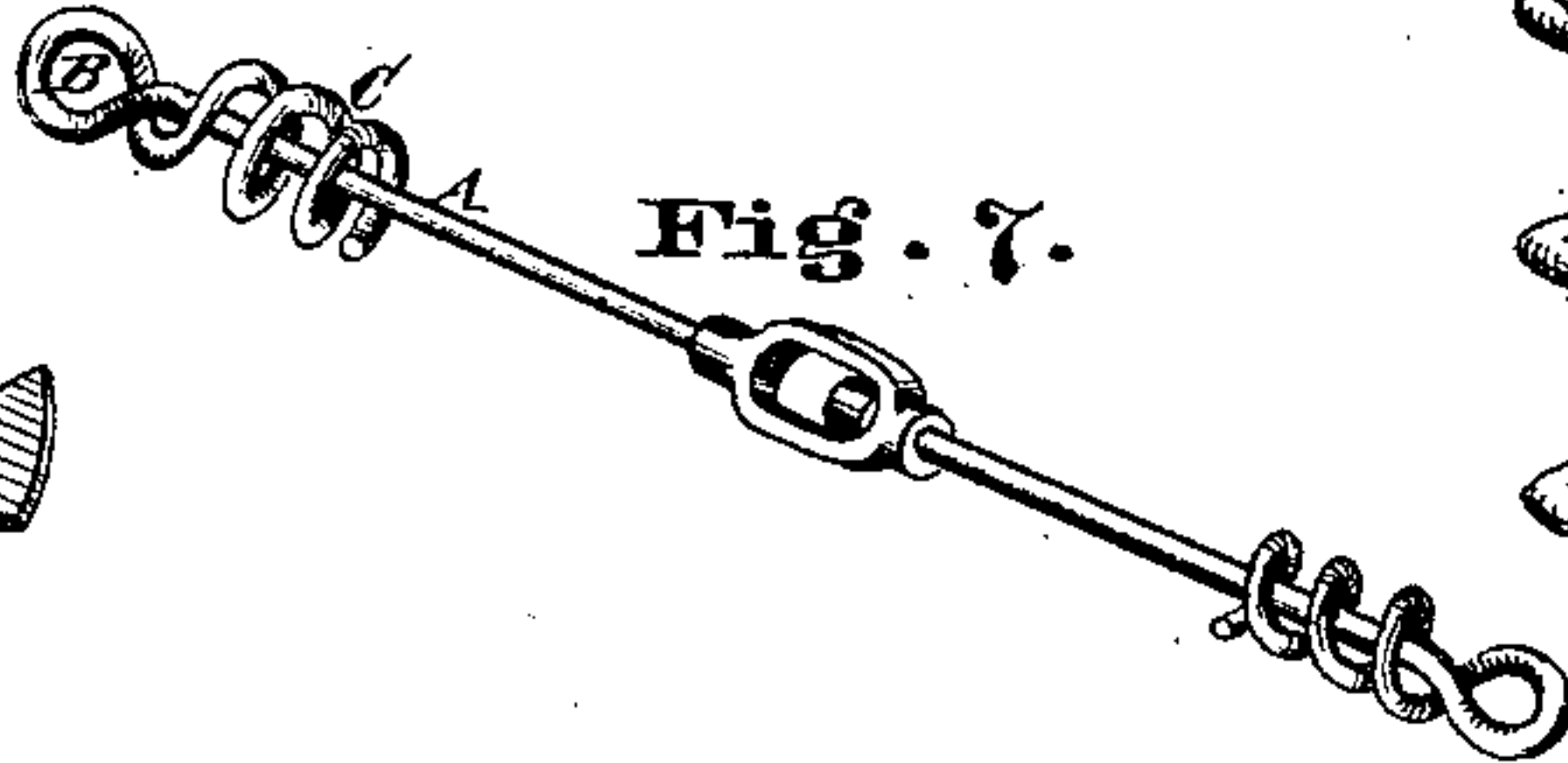


Fig. 7.



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CHARLES S. MUSCROFT, OF CINCINNATI, OHIO.

Letters Patent No. 103,645, dated May 31, 1870.

IMPROVED SPIRAL FASTENING.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, CHARLES S. MUSCROFT, of Cincinnati, Hamilton county, State of Ohio, have invented a certain new and useful device which I term a Spiral Fastening, for connecting loops, rings, &c.; and I do hereby declare the following to be a sufficiently full, clear, and exact description thereof to enable one skilled in the art to which my invention appertains to make and use it, reference being had to the accompanying drawings making part of this specification.

My invention consists of a peculiarly constructed spiral fastening, which may be connected to or formed in connection with any article desired, and to which loops, rings, &c., may be readily connected.

In the accompanying drawings—

Figure 1 exhibits the device when used in connection with a fish-hook for the purpose of readily attaching the hook to the line.

Figure 2 shows two fastenings linked together. This may be applied to two shafts revolving out of a direct line with each other.

Figure 3 is a modification, having the point *a* terminate so as to lie close to and parallel with the center stem.

Figure 4 shows the device when used in the construction of the anchor.

Figure 5 is the same device used with a ring, or as a puzzle or key-holder.

Figure 6 is only another form of construction, with the coil more distant from the stem.

Figure 7 is a view of a double fastener, with an intermediate swivel.

This fastening can be made of any metal or material that is ductile and elastic, and constructed as clearly shown in all the figures, viz: with a straight central stem, A, loop or eye B, and spiral C coiled around the central stem A, and terminating in point *a*.

The proximity of the spiral C to the stem A is governed by the use for which it is designed.

The spiral may be either a "right" or "left-hand."

It will be readily perceived that this coil is the detached thread of a screw, of which the stem A is the center, and that a ring, loop, or cord may ascend this thread, entering on point *a* and passing along the thread until brought into ring or eye B, as seen in fig. 1, when, if desirable, it can be run down the stem A by reversing the motion, and arrive at the position seen in fig. 5.

This necessity for reversing, in order to get the ring, key, or loop on the stem A, is not clearly understood at first, and the device shown in fig. 5 may be either a good puzzle or useful key-holder, &c.

Figure 7 exhibits links that could of course be multiplied and form a chain, which could be taken apart, link by link, and then reunited.

This spiral fastening can be used in connection with innumerable devices, pendants, loops, hooks, &c., for utility, ornament, or amusement, for such purposes as are exhibited in the drawings, and others that cannot be here enumerated.

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

A spiral fastening constructed substantially as described, having a center shaft or stem, A, a loop, eye, or ring, B, and a spiral coil, C, surrounding the stem A, the whole being formed in one piece, in the manner and for the purposes set forth.

In testimony of which invention I hereunto set my hand.

CHAS. S. MUSCROFT.

Witnesses:

E. E. WOOD,
FRANK MILLWARD.