

J. H. HASKELL & A. C. GARRETT.

Devices for Coiling Wire.

No. 152,557.

Patented June 30, 1874.

Fig. 1.

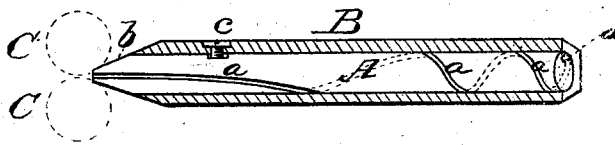
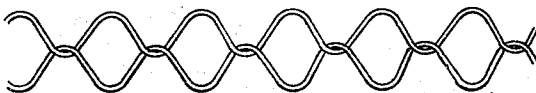


Fig. 2.



Fig. 3.



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UNITED STATES PATENT OFFICE.

JOHN H. HASKELL AND ALBERT C. GARRETT, OF YANKTON, DAKOTA.

IMPROVEMENT IN DEVICES FOR COILING WIRE.

Specification forming part of Letters Patent No. **152,557**, dated June 30, 1874; application filed May 2, 1874.

To all whom it may concern:

Be it known that we, JOHN H. HASKELL and ALBERT C. GARRETT, of Yankton, in the county of Yankton and Territory of Dakota, have invented a new and valuable Improvement in a Tool for Coiling Wire for Mattresses; and we do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of the longitudinal section thereof. Fig. 2 is a view of the core, and helical groove therein, of said tool. Fig. 3 is a representation of the effects produced by said tool upon pieces of wire.

This invention has relation to means for coiling wire to be used in the manufacture of woven-wire mattresses; and it consists in a cylindrical core, having a helical groove in its periphery, in combination with a barrel in which the core is secured, whereby straight wire forced through said groove will be caused to assume a regular spiral shape, as will be hereinafter explained.

The following is a description of our invention:

In the annexed drawings, A designates a cylindrical core, of any suitable diameter and length, which is made of hardened steel. Into the surface of this bar I make a helical groove *a*, extending from the double-beveled end *b*, to

the opposite end. The first or entering part of this groove *a* is straight, or nearly so, and as the coils reach the opposite end of the bar they become more abrupt—that is to say, they are closer together, so as to give the final coil to the wire as it leaves the groove. B is a case or barrel, in which the groove-core snugly fits, and is secured by a set-screw, *c*, shown in Fig. 1. This barrel is also made of hardened steel, and one end of it is double beveled, to correspond to the beveled end *b* of the core. This instrument, when in use, is confined in a vise or head-stock, and the beveled end is placed in front of, and in close relation to, two geared feed-rollers, C C. These rollers, which are indicated in dotted lines and letters C C, receive the wire between them, and force it through the groove, *a*, thereby producing the coiled wire in question.

What we claim, and desire to secure by Letters Patent, is—

A wire-coiling tool, composed of a core, A, having a helical groove or channel, *a*, and an outer shell, B, secured thereto, combined and adapted to be used stationarily, substantially in the manner described.

In testimony that we claim the above we have hereunto subscribed our names in the presence of two witnesses.

JOHN H. HASKELL.
ALBERT C. GARRETT.

Witnesses:

CHAS. A. STOREY,
CHAS. A. SHAW.