

(No Model.)

D. C. STOVER.
BARBED WIRE SPOOL.

No. 327,347.

Patented Sept. 29, 1885.

FIG. 1.

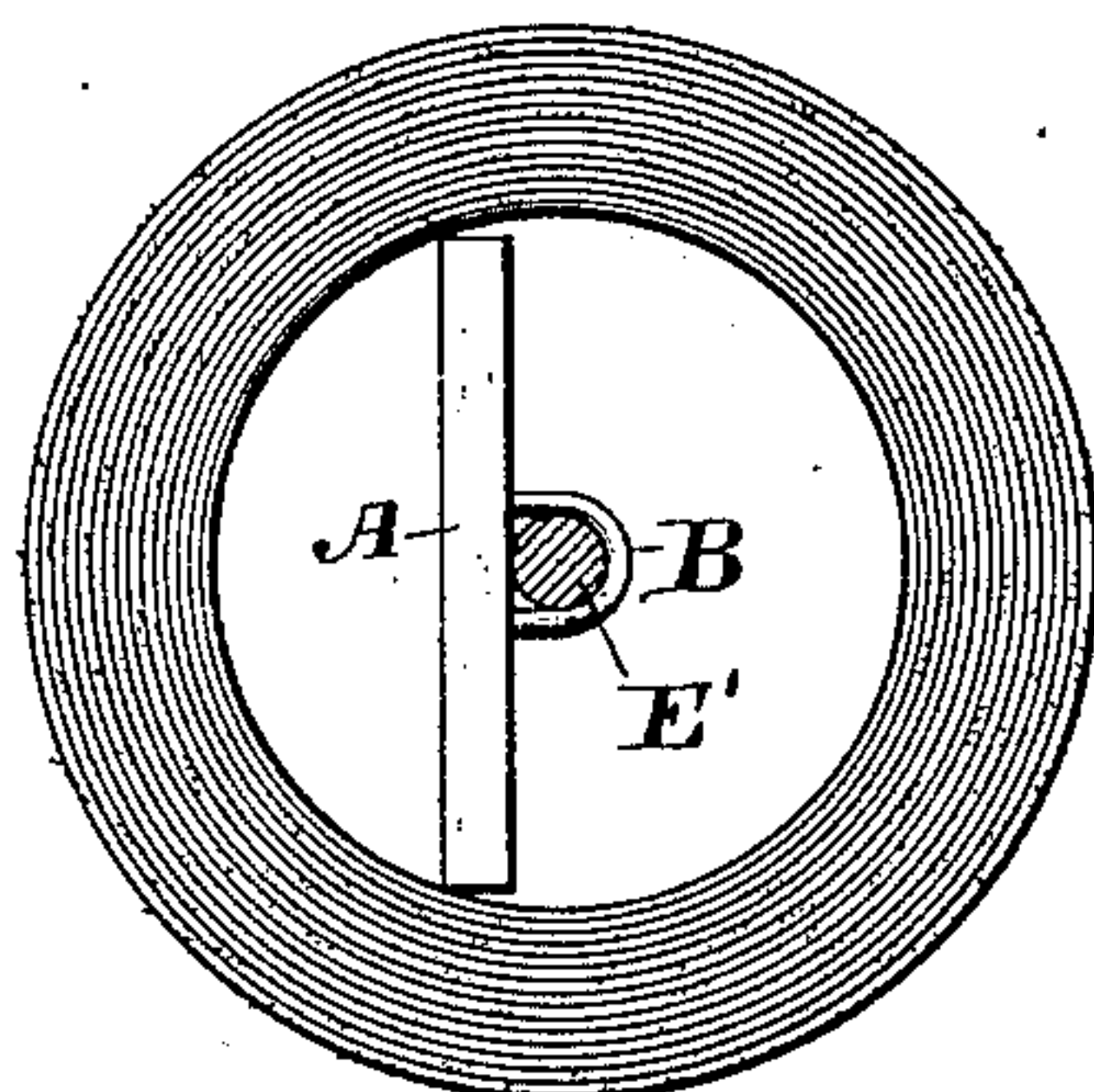


FIG. 2.

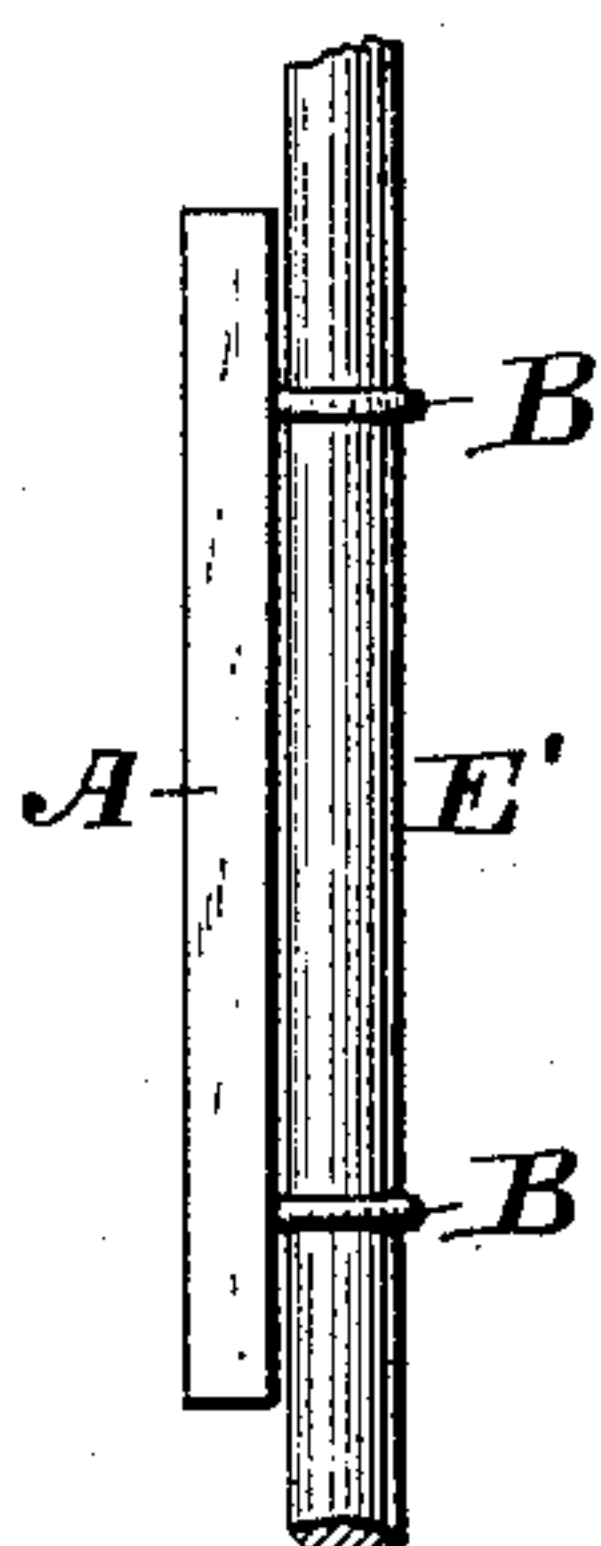


FIG. 3.

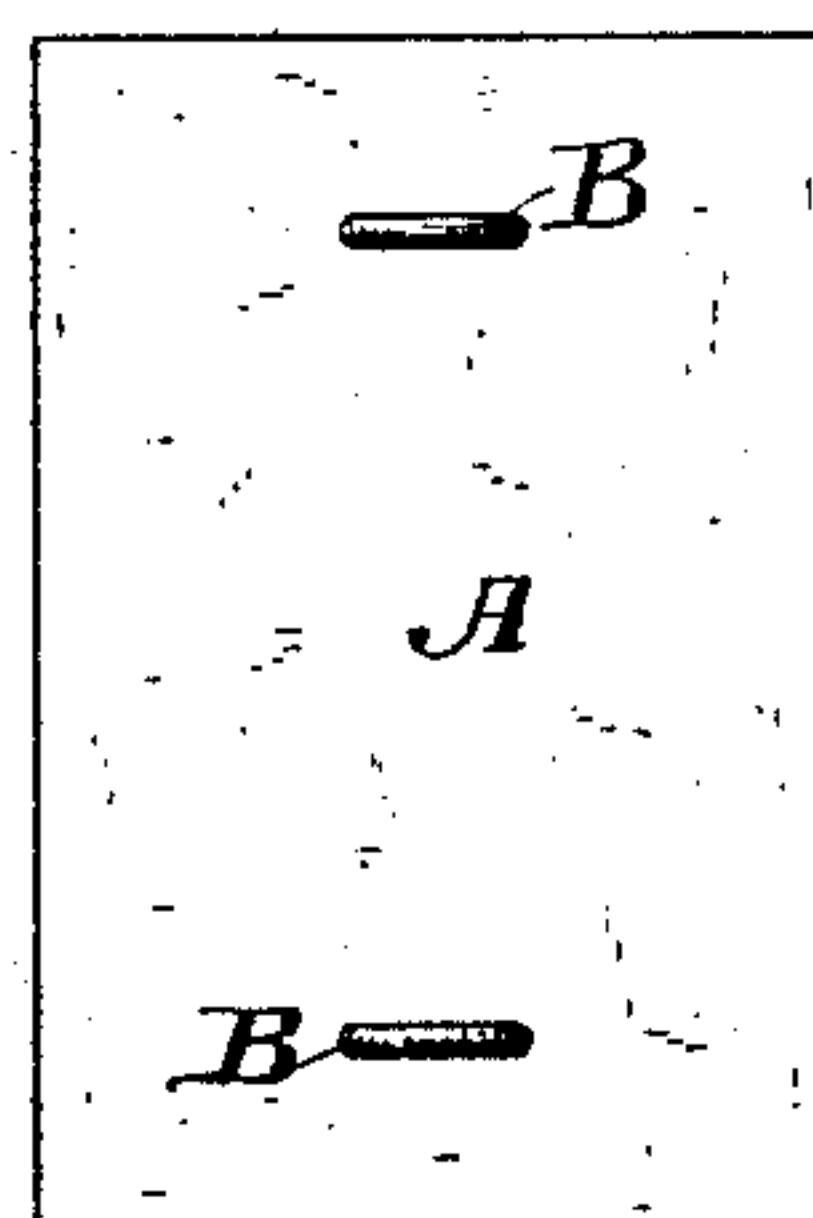


FIG. 4.

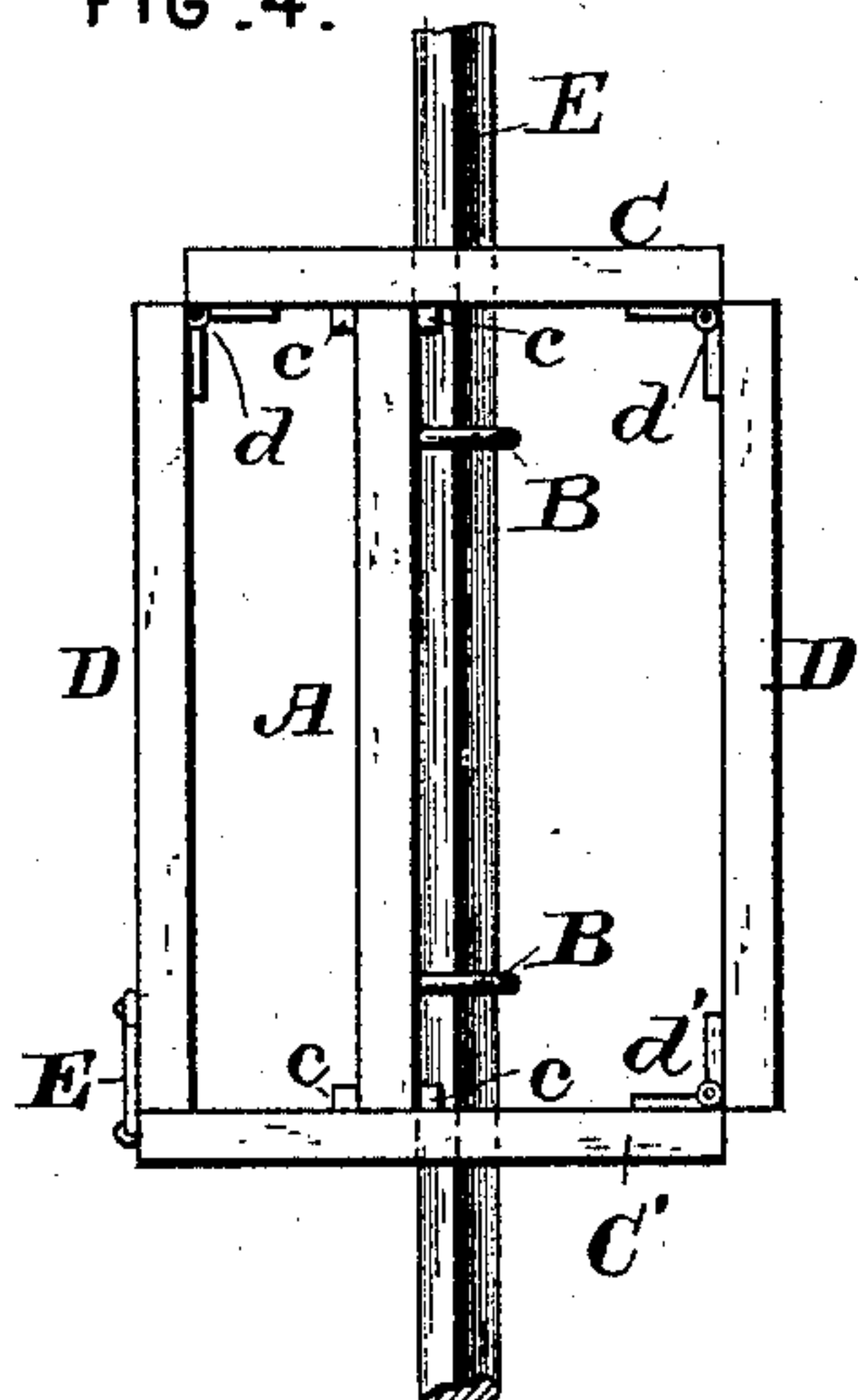


FIG. 5.

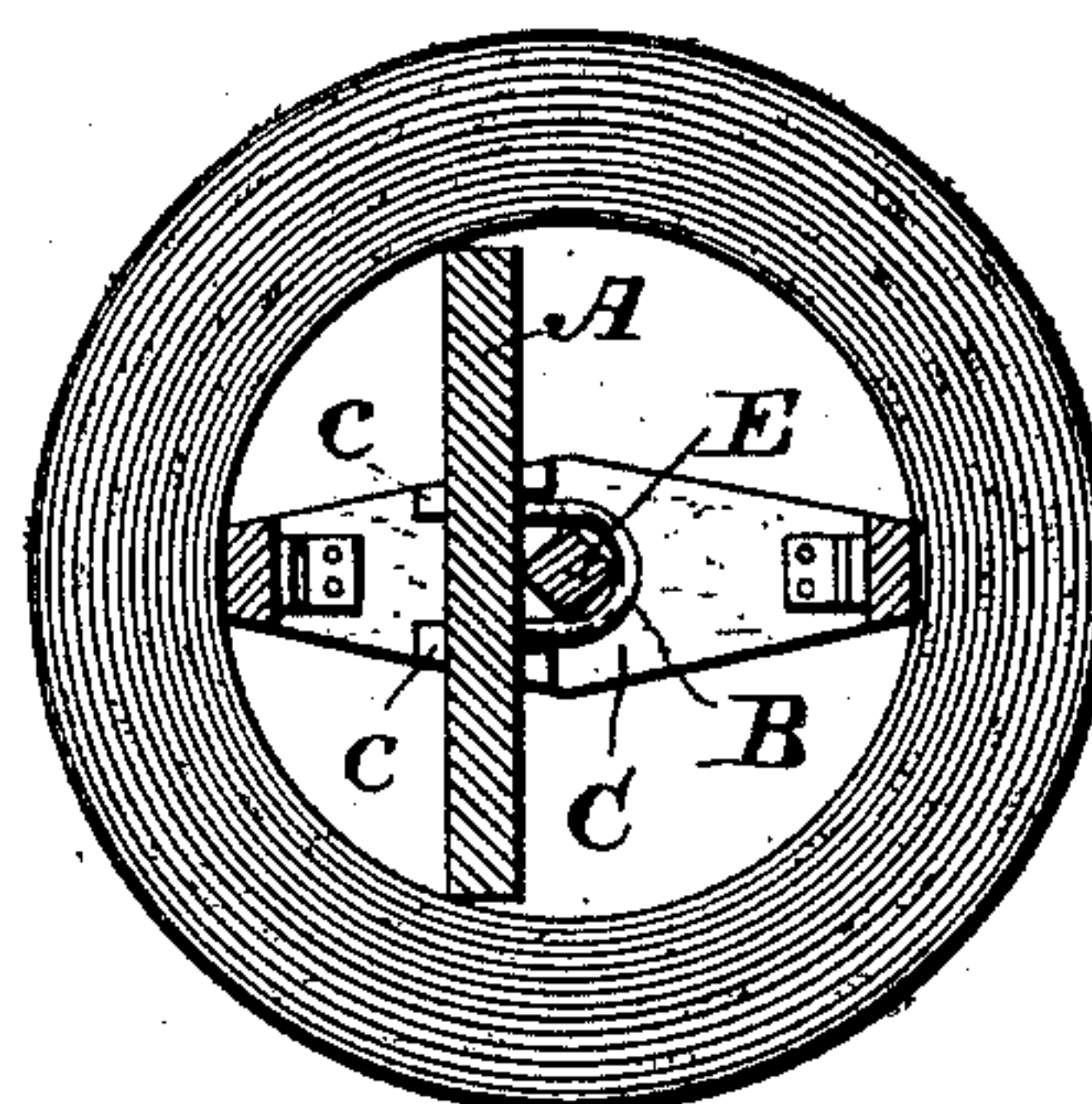


FIG. 6.



ATTEST.
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UNITED STATES PATENT OFFICE.

DANIEL C. STOVER, OF FREEPORT, ILLINOIS.

BARBED-WIRE SPOOL.

SPECIFICATION forming part of Letters Patent No. 327,347, dated September 29, 1885.

Application filed February 24, 1885. (No model.)

To all whom it may concern:

Be it known that I, DANIEL C. STOVER, a resident of Freeport, in the county of Stephenson and State of Illinois, have invented certain new and useful Improvements in Barbed-Wire Spools; and I do hereby 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 pertains to make and use the same.

My invention is a new and improved form of spool for barbed wire, having the utmost simplicity of construction at the same time that it is perfectly effective. It is fully described and explained in the following specification and shown in the accompanying drawings, in which—

Figure 1 is an end view of the spool constituting my invention, a coil of wire being wound on the spool and a shaft inserted in the spool for unwinding the wire; Fig. 2, an edge view of the spool with the unwinding-shaft E'; Fig. 3, an elevation of the spool; Fig. 4, an edge view of the spool connected with an auxiliary frame used in coiling wire on the spool; Fig. 5, a transverse section of same with a coil of wire in position thereon; Fig. 6, an external elevation of one of the end pieces of the auxiliary frame.

In these views, A is a board whose length is equal to the length which it is desired to give the finished coil of wire, while its width is equal to the internal diameter of the coil. B B are two staples set transversely in the board near its opposite ends, the legs of each staple being on opposite sides of the central line of the board and equidistant therefrom. These staples form a bearing for a shaft about which the spool, when filled, may be rotated for the purpose of uncoiling the wire.

Wire may be coiled on the spool by connecting with it one or more detachable auxiliary bars parallel with the edges of the board A, and placing the structure thus formed in an ordinary spooling and twisting mechanism. There are various ways in which this may be done, one of them being illustrated in Figs. 4, 5, 6, and 7, in which C C' are the end pieces of the auxiliary spool-frame, and D D the side pieces thereof, both the side pieces being hinged to the end piece C by hinges d, and

one of them being hinged to the end piece C', while the other is connected with said end piece by a latch, e. Each of the end pieces has a central non-circular hole for the reception of a spool-shaft of corresponding cross-section, and is also provided with retaining-lugs c for holding in place the board A. Before placing the spool in the rotating spooler-frame the board is connected with the auxiliary frame C C' D D, as shown in Fig. 4. The entire spool is then placed in the spooler-frame or flier, and the shaft E is inserted, passing through the end pieces, C C', and the staples B. The wire is then coiled on the spool, the shaft E is withdrawn, and the latch e disconnected, when the auxiliary frame will collapse at one end and can be withdrawn, leaving the coil on the board A. When the frame C C' D D is removed, the board A is slightly off the center of the coil, as shown; but the spring of the coil brings the board to the center and holds it firmly in place. In uncoiling the wire an ordinary round shaft, as E', is passed through the staples, as shown in Figs. 1, 2.

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

1. A barbed-wire spool consisting of a board of suitable length and width, and staples fastened to the board transversely and crossing its central line, substantially as shown and described, and for the purpose set forth.

2. The combination of the board A and the staples B B, substantially as shown and described, and for the purpose set forth.

3. The combination, with the board A, having the staples B, of the auxiliary frame composed of the end pieces, C C', and side pieces, D D, connected substantially as shown and described, said end pieces being provided with means for holding in place the ends of the board A, substantially as shown and described, and for the purpose set forth.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

DANIEL C. STOVER.

Witnesses:

L. M. CURRIER,
J. A. CRAIN.