(No Model.)

S. C. CATLIN.

SPOOL HOLDER.

No. 359,712. Patented Mar. 22, 1887.

Fig. 1.

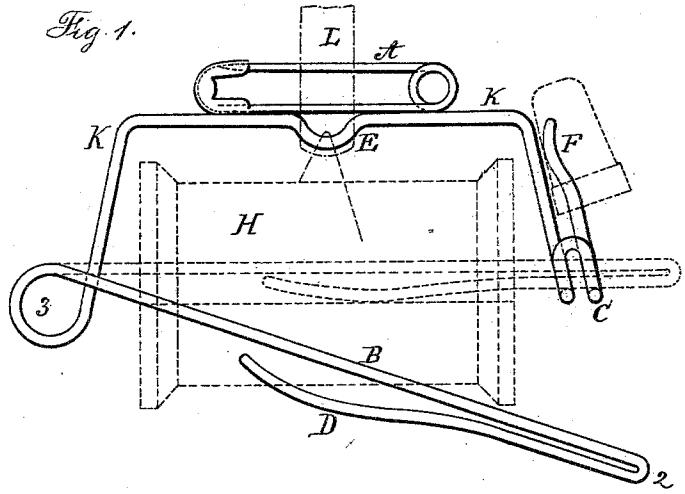


Fig. 3.

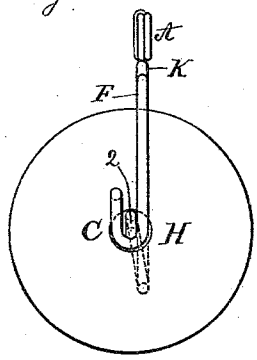
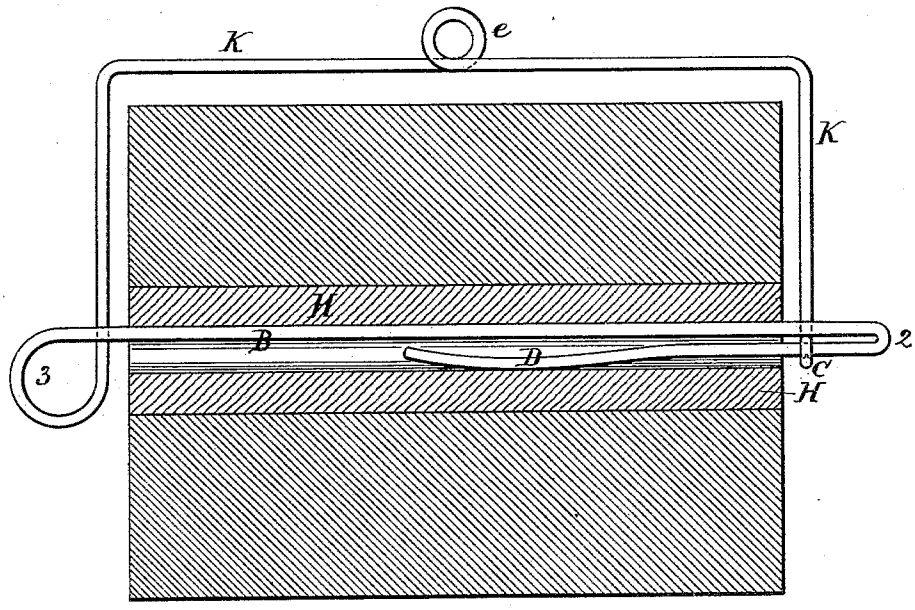


Fig. 2.



Witnesses:
J. Stair
Chas. H. Smith

Inventor:
Seth C. Catlin
per Lemuel W. Serrell Atty.

N. PETERS, Photo-Lithographer, Washington, D. C.

UNITED STATES PATENT OFFICE.

SETH C. CATLIN, OF NEW YORK, N. Y.

SPOOL-HOLDER.

SPECIFICATION forming part of Letters Patent No. 359,712, dated March 22, 1887.

Application filed October 16, 1886. Serial No. 216,467. (No model.)

To all whom it may concern:

Be it known that I, SETH C. CATLIN, of the city and State of New York, have invented an Improvement in Spool-Holders, of which the following is a specification.

Spools for thread and twine, and also for water-closet or wrapping paper, have been made with a central hole, and a wire has passed through such hole to form an axis upon which the spool revolves in drawing off the thread, twine, or paper, and in some instances a wire spring has rested against the end of the spool or passed into the hole thereof to produce a friction and prevent the spool revolving too freely when the materials are drawn off.

My invention relates to a holder constructed of wire, in which there is a friction-spring within the opening through the spool, a coil at the end of the axial portion of the wire, and the bow passing across and terminating as a hook to receive the free end of the axial wire, whereby the holder can be sprung open for the insertion or removal of the spool, and the bow becomes the means by which the spool is held or supported.

In the drawings, Figure 1 represents the improved holder in the form usually employed in connection with ordinary sewing. Fig. 2 shows the holder as adapted to receive a spool of cord or a roll of water-closet paper, and Fig. 3 is a view at right angles to Fig. 1.

The spool H is of any desired size and character, according to the material that is wound upon such spool. The holder is preferably made of one piece of wire, the part B forming the axis upon which the spool is rotated. The wire is bent back upon itself at 2, and the end portion of the wire is curved at D and forms an axial friction-spring, such spring being compressed by sliding the spool over the axis. This axial spring applies the necessary friction inside the hole in the spool to prevent the spool revolving too freely and the material thereon unwinding, and this axial spring accommodates itself to the ordinary variations in the size of the axial hole, and also is available with large or small, long or short spools.

The wire is twisted into a coil at 3 with one or more convolutions, and then it extends as a bow, K, that passes around at one side of the spool and terminates as a hook, C, into which the axis B is received after the latter has been passed through the central hole of the spool. The coil 3 forms a spring that allows the bow K to be sprung back sufficiently for the insertion or removal of the spool.

In the bow K there is a loop, E, and the cord or thread may pass through the same, and usually the shield-pin A is fastened upon the bow K, so that such shield-pin is thrust through the fabric of the dress or other garment worn by the person using the holder, so as to attach the same upon the garment of the person; but in the cases of holders for twine or for water-closet paper a stand may be fastened to the bow K, as indicated by dotted lines at L in Fig. 1, or the holder may be suspended by the eye *e*, or sustained in any suitable manner.

The end of the wire adjacent to the hook C is folded back upon itself and formed with a rounding end, so as to receive a thimble or similar article between the spring end F and the body of the yoke, as shown by dotted line, Fig. 1.

I claim as my invention—

The wire spool-holder having the wire double and with a bow to form a spring-axis, the coil 3 at the end of the spring-axis, the bow K, extending around from one end of the spool to the other, and the hook C, that receives the free end of the spring-axis, substantially as set forth.

Signed by me this 13th day of October, 1886.

SETH C. CATLIN.

Witnesses:
GEO. T. PINCKNEY,
WALLACE L. SERRELL.