R. O. BURGESS.

Tension Device for Thread-Spools.

No. 212,893 Patented Mar. 4, 1879.

Fig. 1.

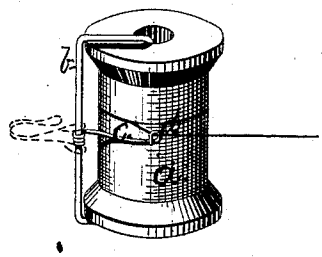
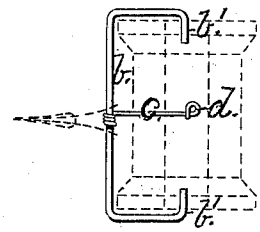


Fig. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

RICHARD O. BURGESS, OF PROVIDENCE, ASSIGNOR OF ONE-HALF HIS RIGHT TO CHARLES HORTON, OF WOONSOCKET, RHODE ISLAND.

IMPROVEMENT IN TENSION DEVICES FOR THREAD-SPOOLS.

Specification forming part of Letters Patent No. **212,893**, dated March 4, 1879; application filed September 9, 1878.

To all whom it may concern:

Be it known that I, RICHARD O. BURGESS, of the city and county of Providence, and State of Rhode Island, have invented new and useful Improvements in Tension Devices for Thread-Spools; and I hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification.

Figure 1 is a view, in perspective, of an ordinary thread-spool provided with my improved tension device; and Fig. 2 represents my improvement in full lines and a thread-spool in broken lines.

The object of my invention is to provide a tension device for thread-spools of simple construction and small initial cost, and of such form that it may be readily secured to a spool and prevent the thread from being accidentally unwound therefrom.

To this end my invention consists in the particular construction of tension device, as will be hereinafter described, and pointed out in the claim.

In the drawings, *b* represents a wire-holder, formed with return-bends *b'*, which latter are inserted within the central hole of the spool, and constitute journals for supporting the latter. The wire-holder *b* has attached thereto a yielding presser-bar, C, preferably made of wire. One end of the presser-bar C is wound about the central portion of holder *b*, while the outer or free end of said bar is provided with an eye, *d*, which latter rests upon the thread. The thread is drawn through the eye *d* as it is unwound from the spool, and as the eye presses against the thread on the spool, the end of the thread is prevented from being accidentally unwound from the spool. The spool can be suspended by a hook, as shown in dotted lines, or from a ring or similar device attached to the holder *b*, and thus be secured to the clothing of the person using the same. As the eye *d* rests against the thread, the free rotation of the spool is prevented, and thus the thread is kept tightly wound, and as the thread passes through the eye its end is therefore always accessible.

I make no broad claim to a tension device for thread-spools, as I am aware that such devices, broadly considered, are not novel with me; but,

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

A tension device for thread-spools, consisting of a wire-holder, *b*, having return-bends *b'* formed on opposite ends thereof, and a yielding presser bar or wire, C, one end of which is attached to the holder *b*, while the opposite end is provided with an eye, *d*, which rests against the thread, substantially as set forth.

RICHARD O. BURGESS.

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