

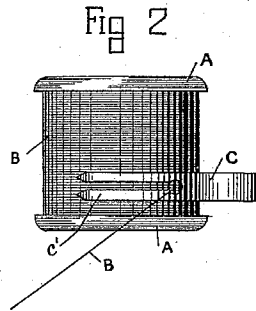
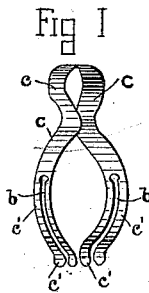
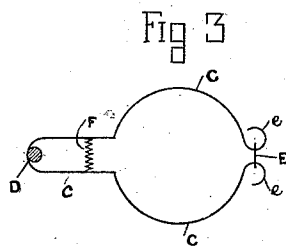
(No Model.)

R. W. KENYON & B. BARON.

THREAD HOLDER FOR SPOOLS.

No. 358,675.

Patented Mar. 1, 1887.



Witnesses

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UNITED STATES PATENT OFFICE.

RICHARD WALTON KENYON AND BAMBER BARON, OF ACCRINGTON,
COUNTY OF LANCASTER, ENGLAND.

THREAD-HOLDER FOR SPOOLS.

SPECIFICATION forming part of Letters Patent No. 358,675, dated March 1, 1887.

Application filed October 18, 1886. Serial No. 216,532. (No model.) Patented in England August 24, 1885. No. 9,996.

To all whom it may concern:

Be it known that we, RICHARD WALTON KENYON and BAMBER BARON, subjects of the Queen of Great Britain, residing at Accrington, in the county of Lancaster, in the Kingdom of England, have invented certain new and useful Improvements in Thread-Holders for Bobbins, (for which we have received Letters Patent in England, dated August 24, 1885, No. 9,996,) of which the following is a specification.

Reels or bobbins of cotton or thread while in use are very apt accidentally to become unwound, thereby causing a waste of thread or a soiled or untidy appearance of the bobbin if the thread is wound onto it again.

The object of this invention is to provide an appliance or implement for holding the thread on a bobbin or reel which, when placed on the bobbin, will prevent the accidental unwinding of the thread therefrom and the consequent waste of thread or untidy appearance of the bobbin.

The invention consists of a device having two arms to embrace the spool, the parts being constructed in the peculiar form and manner hereinafter described. It will best be described by aid of the accompanying drawings, in which—

Figure 1 is a perspective view of the thread-holder made from a single piece of steel; Fig. 2, a front view of bobbin with the thread-holder in position; Fig. 3, a side elevation of thread-holder formed in two pieces.

In the drawings, A is the reel or bobbin, on which the cotton or thread is wound; B, the thread wound on the bobbin A; C, a thread holder or appliance formed to fit onto the bobbin over the thread to hold the thread in position and prevent its accidental unwinding. The thread-holder C is preferably formed, as shown in Fig. 2, from a single piece of spring-steel, the bent end *c* forming a spring to keep the other ends compressed against the cotton on the reel. The steel should be so tempered as to cause the two ends *c'* to come close together when the thread-holder is not on the bobbin, and allow them to part asunder sufficiently far to embrace and clip over the thread on the bobbin. Both of the spring-arms are curved or bent apart, as

shown in the drawings, so that when the device is forced endwise against the spool or bobbin the arms will separate and ride over the same. This construction is advantageous, in that it permits my device to be conveniently applied by the use of one hand, the other being employed to hold the spool or bobbin.

It will be observed that in my device the arms are elongated or extended rearward beyond the point at which they bear upon the spool, and that the spring is formed by or combined with this extension. This is also advantageous, in that it gives greater elasticity and permits the arms to bear with a practically-uniform pressure as the bobbin diminishes in diameter by the removal of the thread.

Although we prefer a single piece of steel, it is not essential that the appliance should be made therefrom, nor do we limit the invention thereto.

Any other suitable metal or other elastic material may be employed, and, if found more desirable, may be made in two or more pieces hinged together and held by a spring.

Fig. 3 shows the thread-holder hinged at D. E is a small loop of india-rubber, forming a spring passed over the turned ends *e*. F is a spiral spring attached to both legs of the holder. Either one or both of these springs may be employed to hold the curved arms of the holder against the cotton. A spring to hold them together might be employed in a number of other ways which are well known to us and to the ordinary mechanic. In one or both of the curved arms of the holder are formed a hole or slot, *b*, through which the thread is drawn.

When in use, the thread-holder C is placed onto the barrel of the bobbin, with its curved arms *c'* in contact with the thread, as in Fig. 2. The loose end of the thread is passed through and drawn out from the hole or slot *b* in either of the curved arms *c'*. In unwinding a length of thread from the bobbin the holder is grasped by the user in one hand and the thread drawn off with the other. The bobbin rotates between the curved arms of the holder by the tension of the thread as it is drawn forward.

We claim as our invention—

1. A thread-holder for spools or bobbins consisting of a single flat strip of metal slotted at

one end and bent or doubled upon itself, as described, to form two curved arms adapted to embrace the body of the spool between them, and an extended curved portion, *c*, through
5 which the arms are connected.

2. A thread-holder for spools or bobbins, consisting of the two arms adapted to embrace the spool, their extremities being curved apart, as shown, whereby the device is adapted for ap-
10 plication to the spool by an endwise pressure.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

RICHARD WALTON KENYON.
BAMBER BARON.

Witnesses:

HENRY T. MONK,
JOHN W. GUELDER.