

No. 867,217.

PATENTED SEPT. 24, 1907.

O. SLAGLE.
THREAD CUTTER.
APPLICATION FILED MAR. 14, 1907.

Fig. 1.

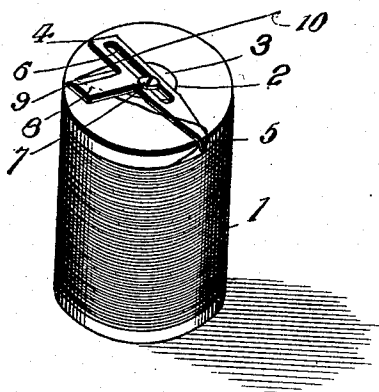


Fig. 2.

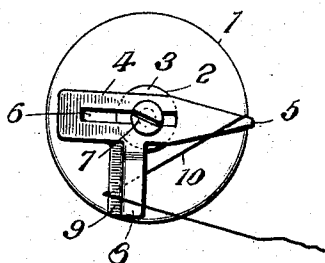
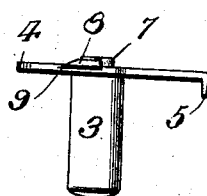


Fig. 3.



Witnesses

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THREAD-CUTTER.

No. 867,217.

Specification of Letters Patent.

Patented Sept. 24, 1907.

Application filed March 14, 1907. Serial No. 362,366.

To all whom it may concern:

Be it known that I, OLIVER SLAGLE, a citizen of the United States, residing at Leavenworth, in the county of Leavenworth and State of Kansas, have invented certain new and useful Improvements in Thread-Cutters, of which the following is a specification.

The present invention relates to certain new and useful improvements in the construction of that type of thread cutters which are designed to be employed in connection with a spool, one of the objects of the invention being to provide a device of this character which not only forms a means whereby the thread can be readily severed, but also constitutes a clamp for engaging the end of the thread and thereby preventing the thread from unwinding from the spool.

The invention also aims to so design the thread cutter that it can be applied to spools of various sizes, and so that it can be cheaply manufactured by stamping the same from sheets of spring material.

For a full description of the invention and the merits thereof and also to acquire a knowledge of the details of construction and the means for effecting the result, reference is to be had to the following description and accompanying drawings, in which:

Figure 1 is a perspective view of a spool of thread having the improved thread cutting attachment applied thereto. Fig. 2 is a top plan view of the same. Fig. 3 is a side elevation of the thread cutting device detached.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

The invention is shown as applied to a spool 1 of the usual construction, the body portion of the spool being provided with the longitudinally disposed opening 2. Fitting removably within one end of the opening 2 is the plug 3 upon which the thread cutter proper is mounted. In the specific construction of the thread cutting device it will be observed that the same comprises an elongated plate 4 which is adjustably connected to one end of the plug 3 and has one end thereof contracted in width toward the extremity thereof which is provided with the downwardly extending arm 5 designed to engage the rim of the spool and form a stop for the thread as will be hereinafter described. The adjustable connection between the plate 4 and plug 3 is accomplished in the present instance by providing the plate with a longitudinally disposed slot 6 through which the headed fastening member or screw 7 extends by means of which the plate is secured to the

plug. Projecting laterally from one side of the plate 4 and bearing against the head of the spool is the blade 8 which has one of its edges sharpened to form the cutting edge 9, the said cutting edge facing the opposite end of the plate 4 to that provided with the arm 5.

In applying the thread cutter to a spool the plug 3 is inserted in the opening 2 extending therethrough and the plate 4 moved until the arm 5 is brought into engagement with the head of the spool. The screw 7 is then tightened in order to securely clamp the plate 4 in its adjusted position. After the desired length of thread has been unwound from the spool, the thread is passed around the arm 5 and drawn under the blade 8, when it can be quickly severed by drawing it rearwardly and in engagement with the cutting edge 9. It will be observed however that after the thread has been severed the end of the thread upon the spool is clamped between the blade 8 and the head of the spool and the thread carried by the spool thereby prevented from being accidentally unwound. When it is desired to withdraw another length of thread the desired result can be readily accomplished by grasping that portion 10 of the thread extending diagonally across the plate 4, and then unwinding the required length in the usual manner.

Having thus described the invention, what is claimed as new is:

1. In a thread cutting attachment for spools, the combination of a plug fitted within the opening through the spool, a plate carried by the plug, an arm projecting from one end of the plate and designed to engage an edge of the spool, and a laterally projecting blade carried by the body portion of the plate and having a spring engagement with the end of the spool for retaining the thread.

2. In a thread cutting attachment for spools, the combination of a plug fitted within the opening through the spool, a plate carried by the plug, an integral arm extending downwardly from one end of the plate and designed to engage an edge of the spool, and an integral blade projecting laterally from the body portion of the plate, the cutting edge of the blade facing the opposite end of the plate to that provided with the before mentioned downwardly extending arm.

3. A thread cutting attachment for spools comprising a plug fitted within the opening through the spool, an elongated plate adjustably connected to the plug, an integral arm extending downwardly from one end of the plate and engaging the edge of the spool, and an integral blade projecting laterally from the plate and bearing against the head of the spool, the cutting edge of the blade facing the opposite end of the plate to that provided with the before mentioned arm.

4. A thread cutting attachment for spools comprising a plug fitted within the opening through the spool, an elongated plate adjustably connected to the plug, an integral arm extending downwardly from one end of the plate and engaging the edge of the spool, and an integral blade projecting laterally from the plate and bearing against the head of the spool, the cutting edge of the blade facing the opposite end of the plate to that provided with the before mentioned arm.

gated plate stamped from spring material and provided
with a longitudinally disposed slot, a fastening member
extending through the slot and adjustably connecting the
plate to the plug, an integral arm extending downwardly
5 from one end of the plate and engaging an edge of the
spool, and an integral blade projecting laterally from the
plate, the cutting edge of the blade facing the opposite end
of the plate to that provided with the before mentioned
arm and the said blade serving the double function of

severing the thread and of clamping the end thereof 10
against the head of the spool.

In testimony whereof I affix my signature in presence of
two witnesses.

OLIVER SLAGLE. [L. S.]

Witnesses:

ARTHUR M. MARDEN,
ED J. BUTT.