T. MASAC.

THREAD-CUTTER.

No. 189,763. Patented April 17, 1877.

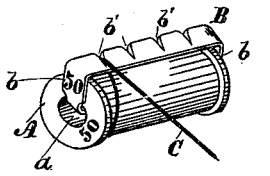

Fig. 1

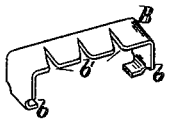

Fig. 2

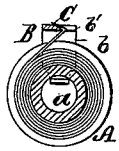

Fig. 3

Witnesses

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UNITED STATES PATENT OFFICE.

THEOPHILUS MASAC, OF PHILADELPHIA, PA., ASSIGNOR OF ONE-HALF HIS RIGHT TO E. V. MACHETTE, JR., AGENT, OF SAME PLACE.

IMPROVEMENT IN THREAD-CUTTERS.

Specification forming part of Letters Patent No. **189,763**, dated April 17, 1877; application filed February 27, 1877.

To all whom it may concern:

Be it known that I, THEOPHILUS MASAC, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Thread-Cutter; 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 it, reference being had to the accompanying drawings, which form part of this specification, in which—

Figure 1 is a perspective of a spool with my invention applied. Fig. 2 is a perspective of the cutter. Fig. 3 is a vertical transverse section of the spool and cutter.

My invention has for its object to provide a detachable thread-cutter for spools, said device serving, also, the purpose of retaining the end of the thread and preventing unraveling.

My invention consists of a metallic plate having turned-down ends, whereby it is clamped on the spool, said plate having a notch or notches on its edge, by means of which the thread is cut, one of the ends of the thread which remains on the spool being retained in the notch after the cutting is effected, thereby preventing unraveling.

Referring to the accompanying drawing, A designates a spool to which my improved thread-cutter is applied. B is the thread-cutter, consisting of a spring metallic plate with turned-down ends *b b*, which clamp the heads of the spool, entering the core *a* of the latter for a short distance. One of the edges of the plate B is formed with one or more sharp-edged notches, *b' b' b'*, which serve to cut the thread C when the latter is introduced into one of said notches and drawn against the sharp edge. The end of the thread, which is retained on the spool, will remain in said notch, preventing unraveling.

The ends of the thread cut off will not be blunt or abrupt, but will be severed in such a way as to leave some of the fibers longer than the others, thus permitting the ready formation of a point to facilitate the insertion of the same in the needle-eye.

The object of forming several notches in the bridge or plate B is to have one of said notches always closely adjacent to the coil of thread then being unwound; or, in other words, no matter from what point of the spool the thread is unwinding—the middle or either end—there will be a notch near the coil where it is desired to form the cut.

When the thread has been all used off the spool the cutter is readily removed from the latter by springing out its ends, when it may be applied to a fresh spool.

What I claim as my invention is—

The thread-cutter herein described, consisting of the plate B, having clamping-ends *b b* and notched at *b'*, and adapted to be readily applied to, and removed from, a spool, substantially as and for the purpose set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 22d day of February, 1877.

THEOPHILUS MASAC.

Witnesses:

SAML. J. VAN STAVOREN,

CHAS. F. VAN HORN.