

(No Model.)

D. R. PORTER.
THREAD HOLDER AND CUTTER.

No. 515,790.

Patented Mar. 6, 1894.

Fig. 1.

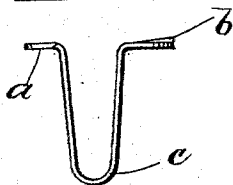


Fig. 2.

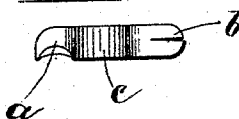
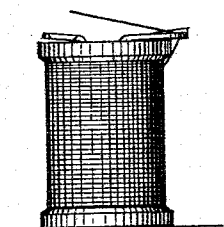


Fig. 3.



WITNESSES.

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THREAD HOLDER AND CUTTER.

SPECIFICATION forming part of Letters Patent No. 515,790, dated March 6, 1894.

Application filed April 12, 1893. Serial No. 470,061. (No model.)

To all whom it may concern:

Be it known that I, DANIEL R. PORTER, of Arlington, county of Middlesex, State of Massachusetts, have invented an Improvement in a
5 Combined Thread Holder and Cutter, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

10 This invention has for its object to improve the construction of combined thread holders and cutters, which are designed to be detachably connected with any usual or ordinary spool, and my invention consists in certain
15 details of construction to be hereinafter set forth and claimed.

Figure 1, shows in side elevation a combined thread holder and cutter embodying this invention; Fig. 2, a plan view of the device shown in Fig. 1, and Fig. 3, shows the device applied to a spool.

The narrow flat strip of metal is bent at the middle to present the spring-acting loop or projection *c*, the arms or limbs of which
5 diverge more or less, and the ends *a, b* of said strip are turned at obtuse angles with relation to the arms of the loop *c*, from which they project. The loop *c* is adapted to be pressed into the usual central hole in the
30 spool and when so pressed in, the arms thereof will be brought into parallelism or substantially so, while the short outwardly projecting ends or arms *a, b*, will occupy an angular position with relation to the end or face of
35 the spool. The spring action of the loop *c* is sufficient to retain the device frictionally in the position shown in Fig. 3. The end of the arm *b* is slitted longitudinally, and the parts or prongs formed by slitting are bent so as
40 to occupy different planes to thereby form a bifurcated holder for the thread, and one of the edges of the arm *a*, is sharpened to serve as a cutting blade.

In operation, the thread is drawn into the slitted arm or holder *b*, and the end passed
45 beneath and then drawn up over the cutting blade and cut off, and a loose end of good and sufficient length will be left to take hold of when it is again desired to remove some
50 thread from the spool. It will be further observed that by arranging the arms *a, b* in such a manner that when the device is connected with the spool, they shall occupy an
angular position with relation to the end or face thereof, a sufficient space is left beneath
55 said arms in which to work the thread, so that the device may be applied to spools of any diameter, even though larger than the distance between the extremities of the arms *a, b*.

I claim—

The combined thread holder and cutter
60 herein described consisting of a narrow strip of metal, bent as shown, to present a central spring-acting loop or projection *c* with diverging arms, and two short arms *a, b*, projecting
65 in opposite ways and at obtuse angles with relation to the arms of the loop from which they project, whereby when said spring-acting loop is pressed into the central hole in a
70 spool, the arms thereof will be brought into parallelism, and the short arms *a, b* will occupy an angular position with relation to the end of the spool, one of said arms, as *b*, being
slitted longitudinally and the two prongs
75 formed by the slitting being bent in different planes, and the other arm as *a*, having one of its edges sharpened, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of
80 two subscribing witnesses.

DANIEL R. PORTER.

Witnesses:

BERNICE J. NOYES,
CHARLES B. CROCKER.