

No. 847,626.

PATENTED MAR. 19, 1907.

L. J. VOELZ.
THREAD CUTTING ATTACHMENT.
APPLICATION FILED JUNE 20, 1906.

Fig. 1.

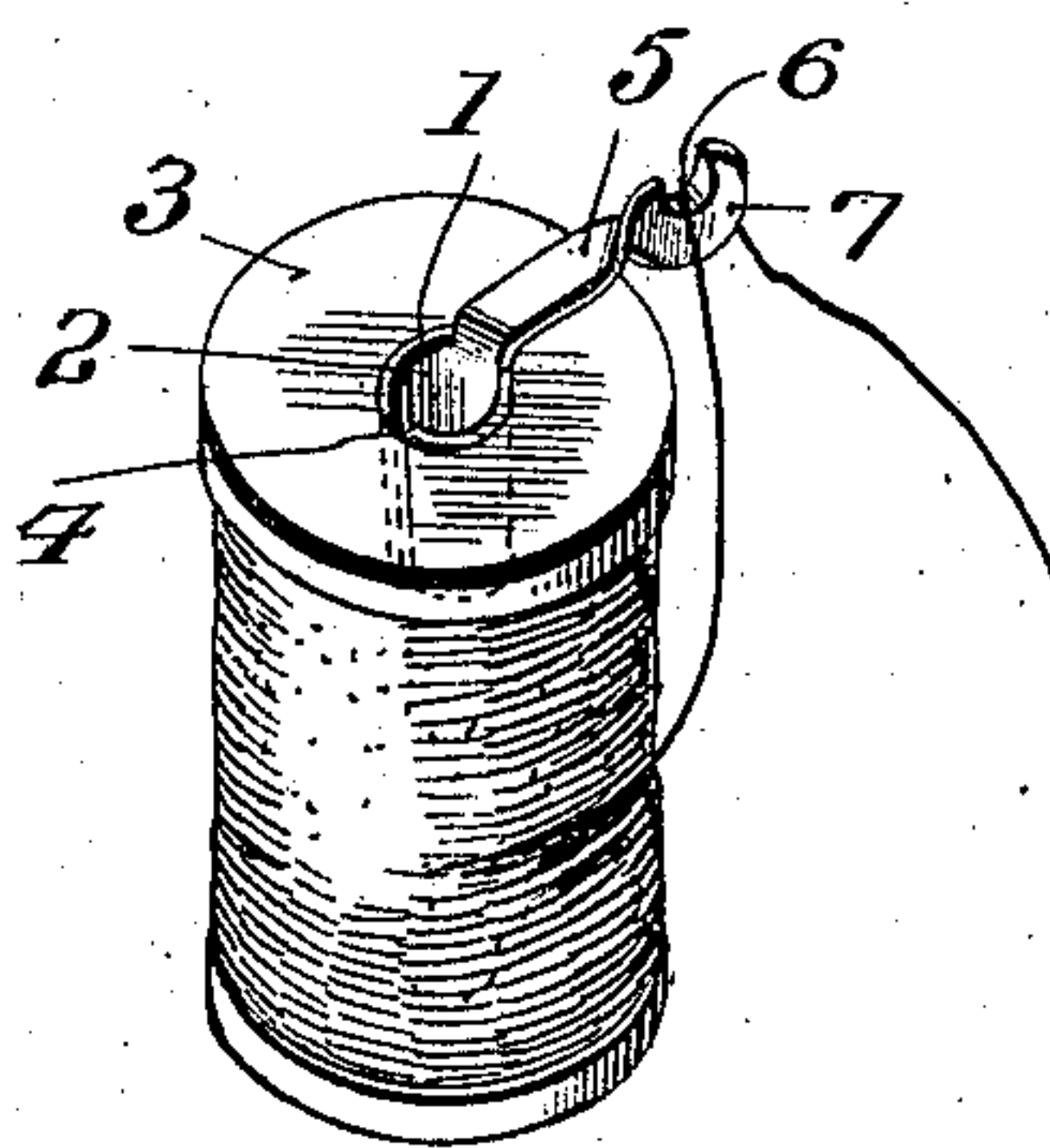


Fig. 3.

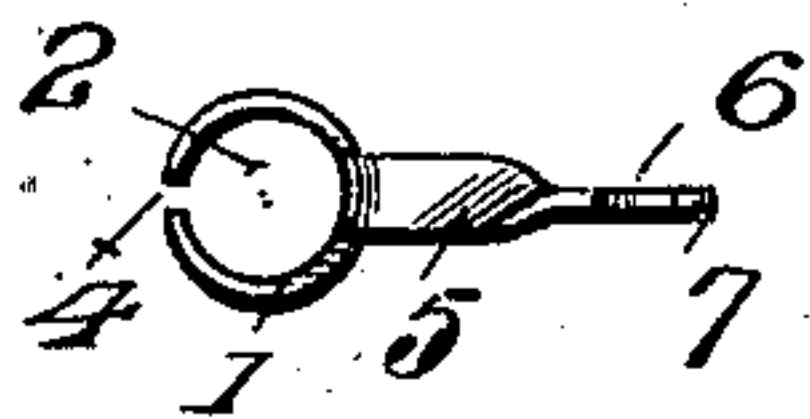


Fig. 4.

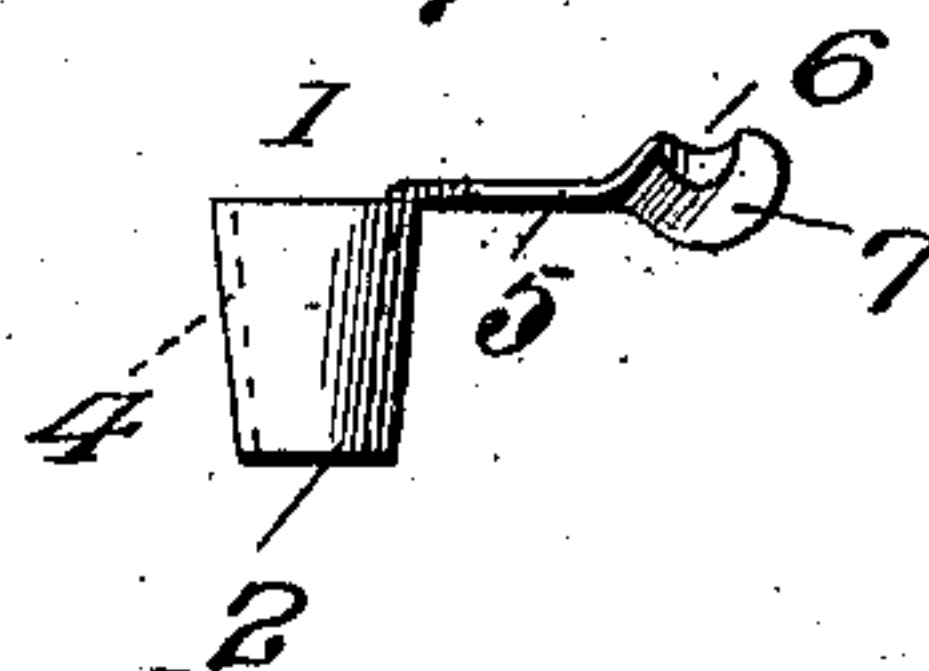
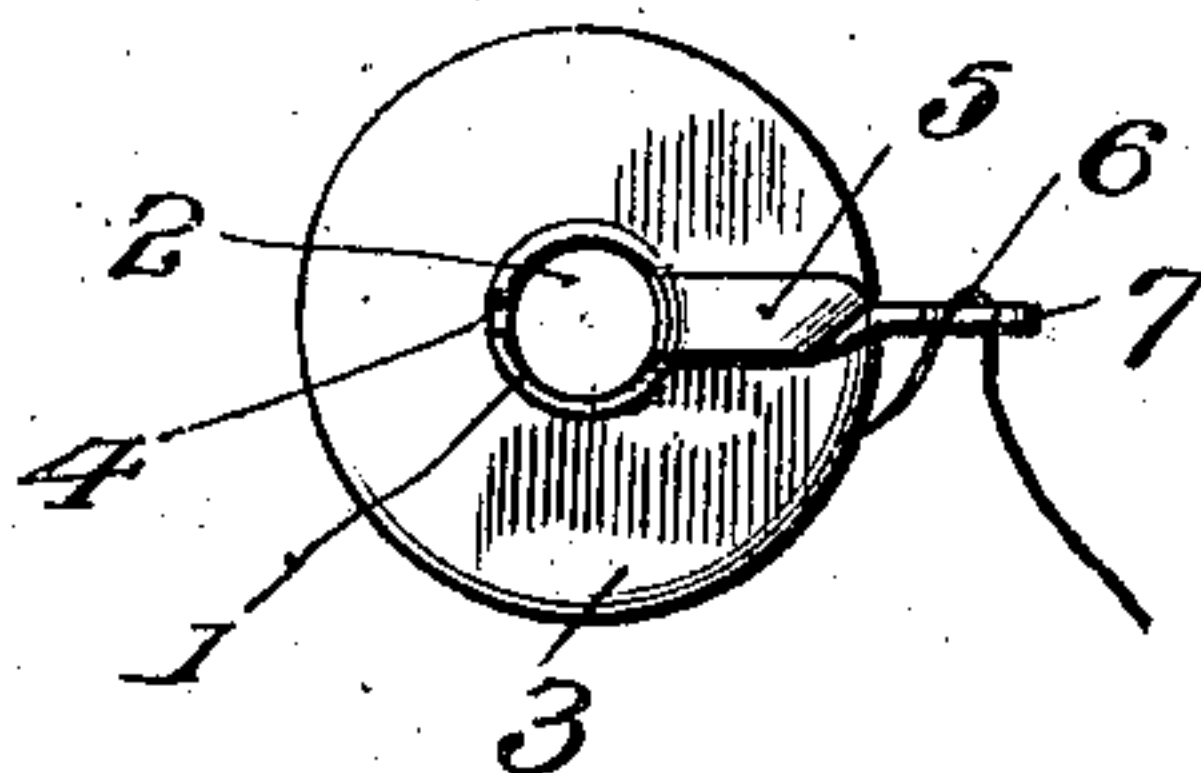


Fig. 2.



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Witnesses

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THREAD-CUTTING ATTACHMENT.

No. 847,626.

Specification of Letters Patent.

Patented March 19, 1907.

Application filed June 20, 1906. Serial No. 322,651.

To all whom it may concern:

Be it known that I, LOUIS J. VOELZ, a citizen of the United States, residing at Kenosha, in the county of Kenosha and State of Wisconsin, have invented certain new and useful Improvements in Thread-Cutting Attachments, of which the following is a specification.

This invention consists of a simple and inexpensive attachment designed for advantageous use in the household, dress-making establishments, tailor-shops, shoemakers' and shoe-repairers' establishments, and in similar places, the attachment consisting of a thread-cutter designed particularly to be applied to a spool for severing thread after it is unwound to a desired length without necessitating the use of the teeth or the hands in breaking the thread and saving time as well as obviating likelihood of injury to the hands.

For a full understanding of the invention and the merits thereof and also to acquire a knowledge of the details of construction of 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 showing the device embodying the invention applied to an ordinary spool of thread. Fig. 2 is a top plan view, the invention applied. Fig. 3 is a top plan view, the thread-cutter removed from operative position. Fig. 4 is a side elevation of the attachment.

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.

Specifically describing the invention, an attachment embodying the same comprises an expansible core-piece 1 of tubular form and adapted to be inserted into the core or opening 2 of the spool 3, upon which the thread is wound. The core-piece 1 is formed with a vertical or longitudinal slit 4, admitting of the expansibility thereof, and is provided with an offstanding arm 5, having a cutting edge 6.

In order to conduce to the cheapness and practicality of the invention, it is contemplated that the attachment shall be made from a single piece of metal, the arm 5 being integral with the upper portion of the core-piece 1 and extending therefrom horizontally. The outer extremity of the arm 5 is twisted or turned slightly to form a vertically-arranged

knife or blade portion 7, having the upper edge thereof sharpened to form the cutting edge 6, before mentioned. The vertical arrangement of the outer end portion of the arm 5 is advantageous in that the cutting edge is likewise vertically arranged and the cutting action is performed by pulling the thread downward upon the blade portion 7, there being no likelihood of turning of the core-piece 1 during this action. The blade or knife portion 7 of the arm 5 will project laterally from the upper portion of the spool 3 when the attachment is applied to small spools; but when the device is secured to larger spools this portion—namely, 7—of the attachment will be located above the top of the spool, this matter being immaterial and simply illustrating the broad adaptation of the invention to spools of different sizes. The expansibility of the core-piece 1 is of particular advantage, as it admits of ready attachment of the device to spools in which the cores or openings 2 are of different sizes. Normally the sides of the core-piece 1 are sprung apart, and when said core-piece is forced into the core or opening 2 of the spool the outer peripheral portion thereof is caused to frequently bind against the sides of the opening 2 in an obvious manner and the attachment is thereby firmly secured to the spool.

To facilitate the application of the attachment, it is preferred that the body or core-piece 1 taper toward its lower end, and the small extremity of the core-piece will be first introduced into the core or opening 2 of the spool in applying the device.

By reason of the simplicity of the invention it is obvious that it is within reach of every one having use therefor so far as the sale price of the manufactured device is concerned, and the advantages of the invention to those whose occupation necessitates the frequent cutting or breaking of cord or thread are so apparent as to need no recitation herein.

The attachment is of course made from sheet material suitable for the purposes of the invention.

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

A thread-cutting attachment for spools substantially as described and consisting of a single blank bent to form the tapering expansible core 2, the upper end of said blank

having an extension bent laterally from the core 2 to form a horizontal arm adapted to rest flatwise upon an end portion of a spool, the outer extremity of the arm 5 however
5 being twisted so as to present a vertical blade or cutting portion 7, the upper edge of which is notched and sharpened as shown at 6.

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

LOUIS J. VOELZ. [L. s.]

Witnesses:

BENJ. O. STURGES,
MARGARET F. STARR.