June 9, 1925.

1,541,624

E. CHUTE

THREAD CUTTER

Filed Dec. 15, 1924

Fig. 1.

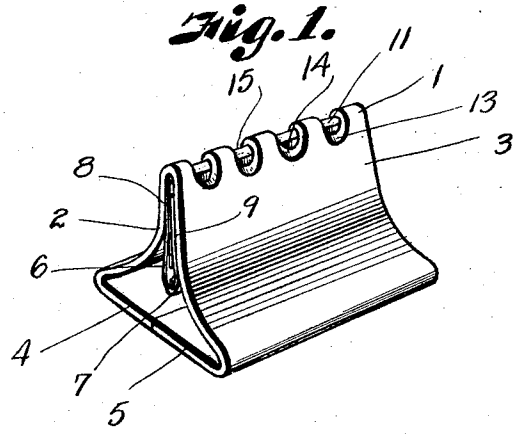


Fig. 2.

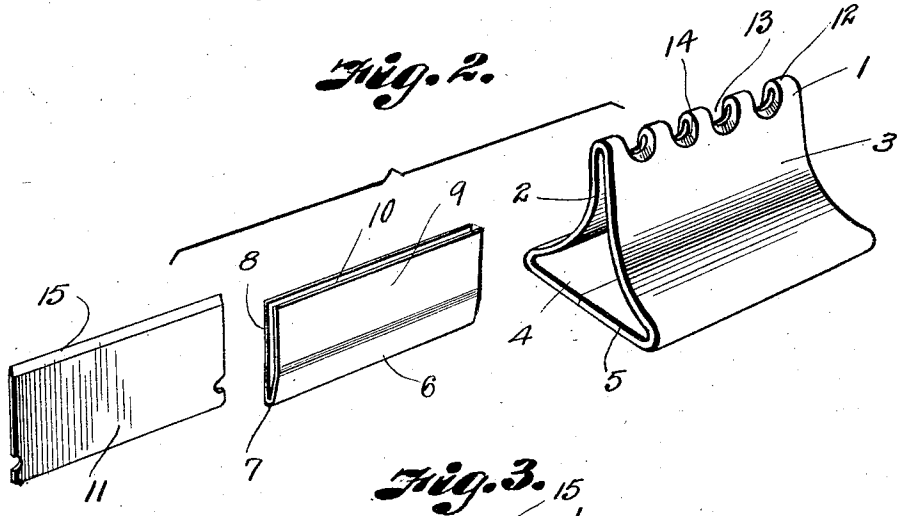
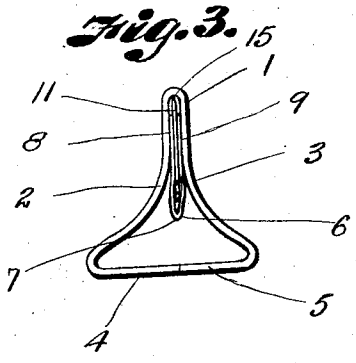


Fig. 3.



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UNITED STATES PATENT OFFICE.

ELIZABETH CHUTE, OF MINNEAPOLIS, MINNESOTA.

THREAD CUTTER.

Application filed December 15, 1924. Serial No. 755,823.

To all whom it may concern:

Be it known that I, ELIZABETH CHUTE, a citizen of the United States, residing at Minneapolis, in the county of Hennepin and State of Minnesota, have invented certain new and useful Improvements in Thread Cutters; and I do 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 appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

This invention relates to thread cutters and the primary object thereof is to provide a simple, conveniently operated thread cutter which may be set upon a table, desk or similar support in such a manner that thread may be severed by contacting it with a cutting blade.

The invention consists in providing a stand with a removable blade holder, the blade preferably being in the form of a commercial "safety" razor blade, the holder being adapted to contain standard safety razor blades and receivable in clamped position by the stand.

The novelty of the invention will be clearly understood by reference to the following description in connection with the accompanying drawings, in which—

Fig. 1 is a perspective view of a thread cutter constructed in accordance with my invention.

Fig. 2 is a disassociated view showing the stand, the holder and the blade in perspective, and

Fig. 3 is an end view of the completed cutter.

The stand is illustrated as constructed from a single strip of sheet metal bent transversely between its ends to form a ridge portion 1 with converging walls 2 and 3, the walls terminating in a relatively broad flat base portion with the two ends 4 and 5 at the bottom to rest upon the support. The converging walls 2 and 3 constitute clamping means for receiving a blade holder 6.

The blade holder is made of spring metal, bent intermediate its ends as at 7 to form two spring walls 8 and 9 with a groove or space 10 between them to receive the cutting blade 11. The cutting blade may consist of the ordinary safety razor blade which I recommend because such blades can be purchased upon the open market and because they admirably serve the purpose of this invention.

The upper edge 12 of the stand is provided with a plurality of notches 13, the edges of the notches being beveled as at 14. Therefore the thread can be contacted with the edge 15 of the blade 11 by throwing the thread into the notches. The stand is first formed as shown in Fig. 2, then the blade is inserted in the groove portion of the holder 6 and since the blade has greater width than the holder, it is obvious that the cutting edge of the blade will extend beyond the edge of the holder and when the holder is in the constricted space between the converging walls 2 and 3, the lower edges of the notches are below the cutting edge of the blade so that the cutting edge of the blade will sever the thread or cord when the thread or cord is drawn into the notches. I provide a plurality of notches so that accuracy need not be had in putting the thread into any one notch. Furthermore the relatively long notched edge of the holder extending substantially the length of the blade renders practically the entire length of the cutting blade available for cutting thread and cord.

It will be apparent that the device can be inexpensively constructed, that it can be easily assembled by introducing the blade first in the holder and then the holder in the stand and that the holder may be conveniently removed in order that a new blade can be substituted when the edge of the blade becomes worn.

What I claim and desire to secure by Letters Patent is:—

1. A thread cutter comprising a stand having a flat base and two upstanding converging walls joined together at their upper edges and provided with notches and a blade holder comprising two flat portions yieldingly connected at their lower edges and receivable in the space between the converging walls, the converging walls serving to clamp the holder in position, the width of the holder being less than the width of the blade which it is adapted to receive.

2. A thread cutter comprising a stand having two converging walls joined together at their upper edges and provided with notches, the walls constituting clamping means, a blade holder having two spring walls with a blade receiving space between

them and a blade in the space between the walls, the width of the blade being greater than the width of the holder, the cutting edge of the blade extending above the edges of the notches when the holder is clamped between the walls.

3. A thread cutter comprising a stand consisting of a strip of sheet metal bent intermediate its ends to provide converging walls, the walls being provided with notches, the ends of the strip being bent under the walls to form a flat base and a blade holder comprising two flat substantially parallel wall members with a blade receiving space between them, the blade holder being frictionally held between the converging walls of the stand in condition to press the cutting edge of the blade so that it will be visible through the notches in the stand.

In testimony whereof I affix my signature.

ELIZABETH CHUTE.