Apr. 24, 1923. 1,453,206

B. SUBIN

TWINE CUTTER

Filed June 17, 1922

Fig. 1.

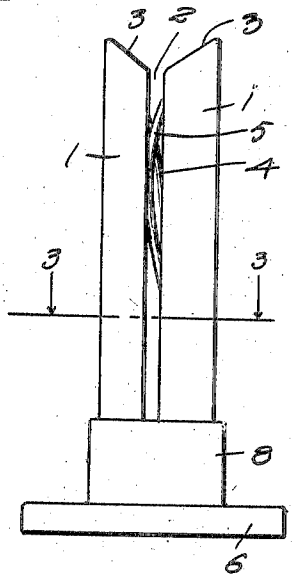


Fig. 2.

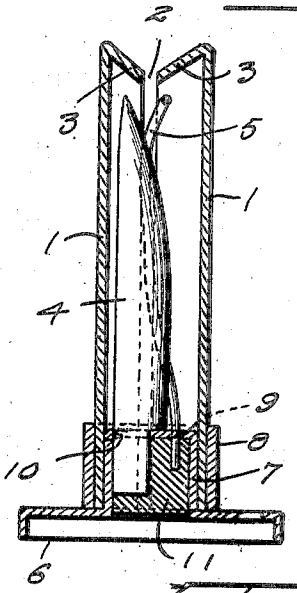


Fig. 4.

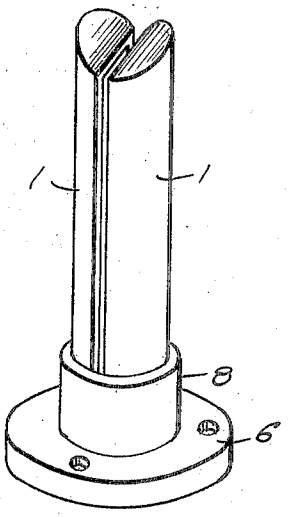
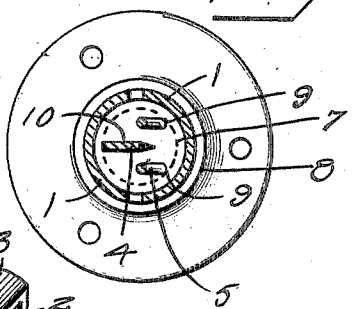


Fig. 3.



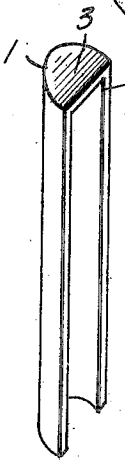


Fig. 5.

Inventor

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By

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Patented Apr. 24, 1923. 1,453,206

UNITED STATES PATENT OFFICE.

BENJAMIN SUBIN, OF PHILADELPHIA, PENNSYLVANIA.

TWINE CUTTER.

Application filed June 17, 1922. Serial No. 568,896.

To all whom it may concern:

Be it known that I, BENJAMIN SUBIN, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Twine Cutters (Form #3); 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 appertains to make and use the same.

This invention relates to means for cutting cord, twine and analogous article commonly used for binding packages, whereby to prevent injury to the hand and facilitate the tying of packages.

The invention relates to a cutter embodying a casing having a base at one end and enclosing a blade and guard and is directed to the peculiar formation of the parts whereby the device may be economically manufactured and easily and quickly assembled.

Other objects and advantages will be apparent and suggest themselves as the nature of the invention is understood.

While the drawings illustrate an embodiment of the invention it is to be understood that in adapting the same to meet different conditions and requirements, various changes in the form, proportion and minor details of construction may be resorted to without departing from the nature of the invention.

Referring to the accompanying drawings forming a part of the application,

Figure 1 is a side view of a twine cutter embodying the invention,

Figure 2 is a vertical central section thereof,

Figure 3 is a horizontal section on the line 3—3 of Figure 1,

Figure 4 is a detail perspective view of the same, and

Figure 5 is a detail perspective view of one of the sections of the casing.

Corresponding and like parts are referred to in the following description and designated in the several views of the drawings by like reference characters.

The casing is of cylindrical form and comprises similar or like sections 1 of semicylindrical form, each of the sections having an upper edge portion cut away as indicated at 2, whereby to provide slots in opposite sides of the casing when the parts 1 are assembled. Inwardly disposed deflecting lips 3 are provided at the upper or outer ends of the sections 1 to direct the twine or cord into the slots of the casing when inserted therein to be cut. A blade 4 and a cooperating guard 5 are disposed within the casing to be protected thereby. The guard 5 consists of a length of spring wire doubled upon itself to form a loop and arranged with the edge portion of the blade passing through the space formed between the elements comprising the guard.

A hollow base 6 is formed with a centrally disposed hollow projection 7 which is of a diameter to fit snugly within the lower end of the casing. A band 8 encircling the lower portion of the casing, holds the sections 1 in place and secures the casing to the base, the lower ends of the parts 1 being confined between the band 8 and the projection 7. The crown of the projection 7 has openings 9 formed therein to receive the lower ends of the elements comprising the guard 5, and a radial slot 10 to receive the shank of the blade 4. The hollow base 6 and projection 7 constitute parts of a sheet metal blank pressed or stamped into the form substantially as shown. After the parts are assembled, fusible metal 11, such as babbitt or an alloy of lead and tin, is poured into the hollow base and projection while in a molten state and serves when cool to secure the blade and guard to the base as well as to reinforce the latter.

What is claimed is:

1. In an article of the character specified, a base having a projection, a sectional casing grouped about the projection of the base, a band confining the sections of the casing and securing the latter to the base, and cutting mechanism within the casing.

2. A twine cutter comprising a hollow base having a hollow projection, a blade and cooperating guard set into the hollow projection of the base and secured thereto by

fusible metal which also serves to reinforce the base and projection, a sectional casing grouped about the projection of the base and having upper edge portions cut away to provide opposite slots, and a confining band for securing the sections to each other and to the projection of the base.

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

BENJAMIN SUBIN.

Witnesses:
STEPHEN F. HUBER,
MORRIS H. STARR.