

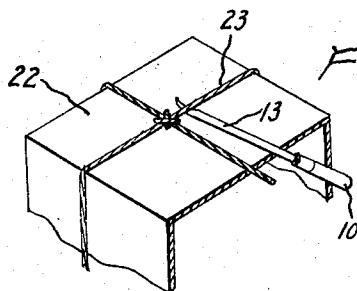
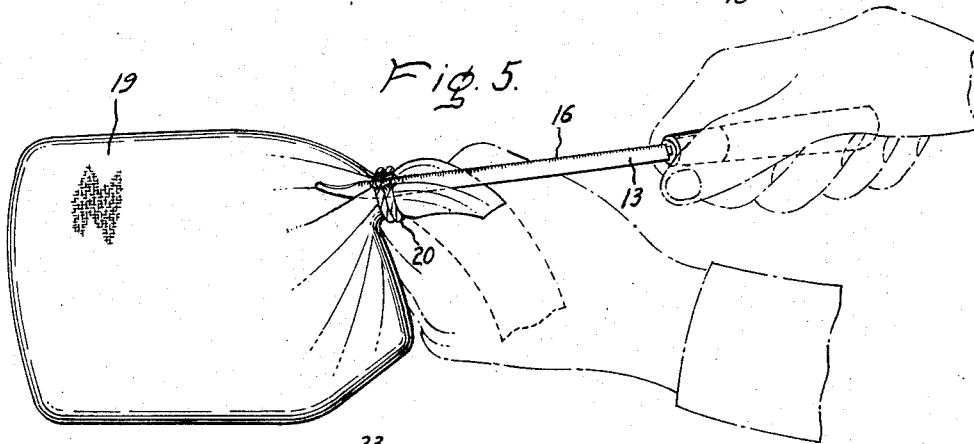
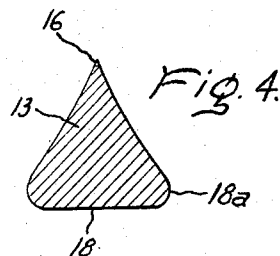
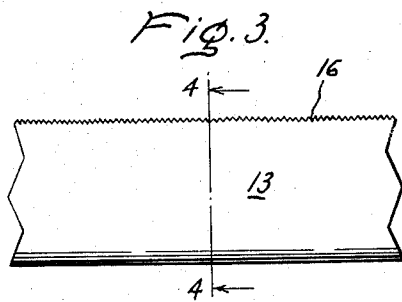
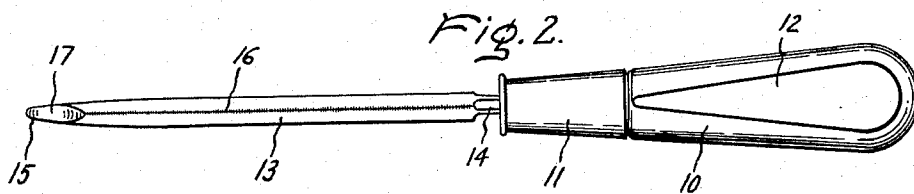
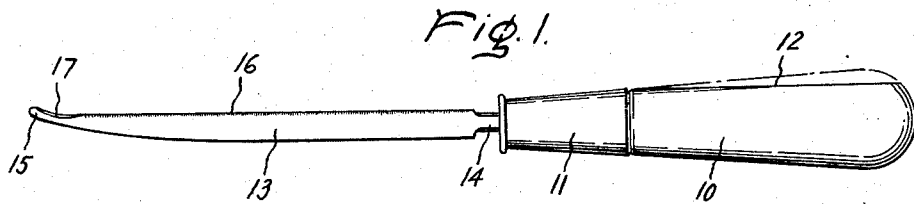
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2,913,822

TOOL FOR OPENING MONEY SACKS AND PACKAGES

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2,913,822

TOOL FOR OPENING MONEY SACKS AND PACKAGES

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1 Claim. (Cl. 30—294)

My invention relates to a new and useful tool for opening cord or twine bound sacks or packages. It has particular reference to such a device which will sever the cord without damaging the sacks or packages or their contents.

In the past, coin departments in banks and receiving room clerks in department stores have uniformly utilized a pen knife, a razor blade, or a pair of scissors to cut the cord with which sacks and packages are bound. The use of such tools has frequently resulted in injury to the user such as the cutting or piercing of a hand when the cord suddenly gives way as well as damage to the container causing unnecessary waste and expense. Damage has occurred particularly when reusable cloth money sacks have been opened because the twine binding such sacks is wrapped extremely tight to prevent accidental opening of the sacks and the cloth material of the sacks is bunched at the point of tying making it time consuming and difficult to open the sacks without damaging them. In addition, clerks have sometimes carelessly pierced packages in opening them and damaged their contents.

Accordingly, an object of my invention is to provide a tool designed to open cord bound sacks and packages safely and without damage to the sacks or packages being opened.

Another object of my invention is to provide a cord severing tool which is simple in design and is safe and easy to use.

Further objects and advantages of my invention will become apparent and my invention will be better understood from the accompanying description in which reference is made to the attached drawing and features of novelty which characterize my invention will be more particularly pointed out in the claim annexed to and forming part of this specification.

In the drawing, Fig. 1 is a side view of the preferred form of the tool of my invention;

Fig. 2 is a top view of the tool shown in Fig. 1;

Fig. 3 is an enlarged fragmentary side view of the tool shown in Fig. 1;

Fig. 4 is a sectional view of my tool taken along the lines 4—4 of Fig. 3;

Fig. 5 illustrates the use of the tool of my invention for opening a cord bound money sack; and

Fig. 6 is a fragmentary view illustrating the use of my tool in opening a package.

In accordance with one aspect of my invention, I provide a tool having an aligned handle and blade which are secured together. The blade is of triangular cross section and terminates in a blunt curved end for insertion under the cord to be cut. The flat bottom of the tool opposite the cutting edge provides a bearing surface to prevent damage to the package being opened and to urge the cutting edge into contact with the cord when the tool is moved in a simple forward direction.

Referring now to the drawing, in which like reference numerals refer to like parts, there is shown my improved tool having a handle 10 provided with a metallic ferrule 11 about an apertured end thereof. The flat portion 12 of the handle 10 is provided for convenience in gripping

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and holding the tool and is in alignment with the cutting edge of the blade 13.

The elongated cutting blade 13 is secured to the handle 10 in aligned relationship therewith by means of a tang 14 which is inserted into the apertured end of the handle 10 with a force fit. The cutting blade 13 terminates in a blunt end 15 which is tapered so as to become smaller at its outermost extremity. The end 15 is gently curved in the upward direction, as shown in Fig. 1, for reasons hereinafter more fully explained.

Cutting blade 13 is preferably of a generally triangular cross section, as best shown in Fig. 4, and is provided with a cutting edge 16 at the top thereof. A generally flat bottom 18 is provided on the cutting blade 13 opposite the cutting edge 16. The corners of the bottom 18 are rounded, as indicated at 18a in Fig. 4.

Referring now to Fig. 5, the cutting tool of my invention can be slipped between the folds of the cloth material of a sack 19 beneath cord 20. The blunt end of the blade 15 prevents the cutting tool from piercing the sack 19 during insertion and use. By curving the end 15 of the blade 13, the tool may be held in a convenient position for operating at an angle with respect to the cord to be cut. In addition, by tapering the end 15 and providing the rounded corners at 18a the end 15 may be inserted under the cord 20 even when it is tightly bound around the sack and the material forming the folds of the sack is easily and smoothly spread apart to leave only the cord 20 above the cutting edge 16. A flat portion 17 on the blunt end 15 permits the cutting tool to be inserted a substantial distance under the cord 20 so that the fold of the sack is opened or spread apart at the point where it is intended to cut the cord 20 before the sharp cutting edge 16 contacts the twine 20.

Because of the large bearing surface provided by the bottom 18 of the tool, the pressure exerted on the cutting edge 16 due to the wedging action between the blade 13 and the sack 19 is distributed over a large area of the material of the sack and only a simple forward movement of the tool by the user is required to sever the cord 20 quickly and easily. It is important that the user be able to merely move the tool in a direction away from himself because this eliminates the hazard of the user accidentally cutting or stabbing himself.

I have found it desirable that the cutting edge 16 be serrated as shown in Fig. 3 since this enables the tool to sever the fibers of the cord 20 individually rather than cutting the total cross section of the cord 20 at one time.

As shown in Fig. 6, my improved cutting tool can also be used for opening cord tied boxes or packages by inserting the tool between a box 22 and its tying cord 23 and simply moving the tool forward away from the user. The large bearing surface 18 of the blade 13 prevents marring the box even where the box is finished with a decorative design.

As used herein, the term "cord" includes, string, twine and other similar binding materials and the term "packages" includes sacks, boxes and similar containers tied or enclosed by cord.

While I have shown and described particular embodiments of my invention, modifications thereof will occur to those skilled in the art. I wish it to be understood, therefore, that I intend by the appended claim to cover all such modifications which do not depart from the spirit and scope of my invention.

What I claim as new and desire to secure by Letters Patent of the United States is:

A cutting tool for opening a cord bound sack having folds of material under the cord comprising a handle and an elongated blade of generally triangular cross section secured thereto, said blade being provided with a cutting edge and a blunt end curved upwardly in the direction of

the cutting edge, the blunt end being flat on its upper surface, the side of the blade opposite said cutting edge being substantially equal in width to the height of the blade to provide an enlarged flat bearing surface for contacting the material of the sack upon the insertion of said tool into a fold between the sack and the cord, said blunt end being tapered from a smaller dimension at its extremity to substantially the full width of said blade and the leading end of said cutting edge being positioned substantially at the point where the side of the blade opposite the cutting edge is full width, whereby the tapered blunt end serves to spread the folds of the material apart before the cord is engaged by the cutting edge.

References Cited in the file of this patent

UNITED STATES PATENTS

	777,568	Terryberry	Dec. 13, 1904
5	1,268,997	Pruett	June 11, 1918
	1,398,850	Franco	Nov. 29, 1921
	1,477,510	Martin	Dec. 11, 1923
	1,695,022	Rankin	Dec. 11, 1928
	2,705,833	Grantz	Apr. 12, 1955

FOREIGN PATENTS

10	98,777	Germany	June 3, 1897
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