E. BRUNHOFF.

CIGAR TIP CUTTER.

APPLICATION FILED APR. 21, 1911.

1,024,924. Patented Apr. 30, 1912.

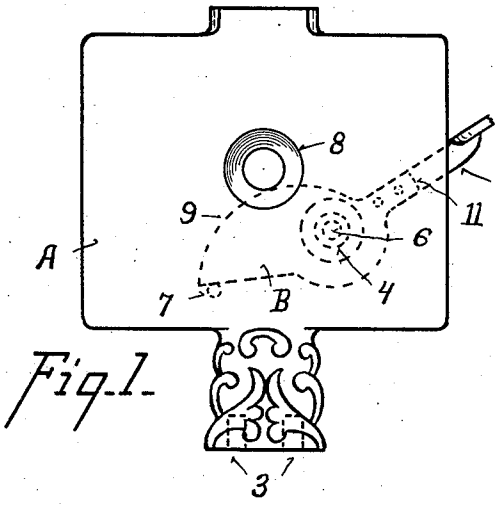

Fig. 1.

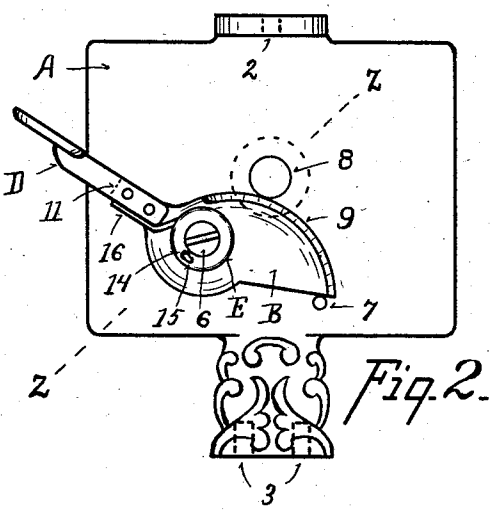

Fig. 2.

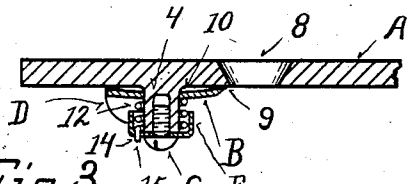

Fig. 3.

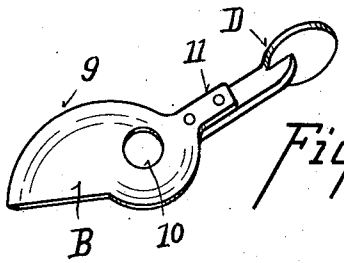

Fig. 4.

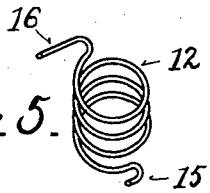

Fig. 5.

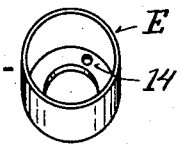

Fig. 6.

Witnesses

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CIGAR-TIP CUTTER.

1,024,924. Specification of Letters Patent. **Patented Apr. 30, 1912.**

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To all whom it may concern:

Be it known that I, EDWARD BRUNHOFF, a citizen of the United States, residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Cigar-Tip Cutters, of which the following is a specification.

My invention relates to improvements in cigar tip cutters.

One of its objects is to provide a simple, reliable, and efficient cutter, and one requiring a minimum number of parts.

Another object is to provide an improved arrangement of parts and means for adjusting and tensioning the cutter.

It further consists in certain details of form, combination and arrangement, all of which will be more fully set forth in the description of the accompanying drawings, in which:

Figure 1 is a top plan view of the cutter plate of a cigar tip cutter embodying my invention. Fig. 2 is a bottom plan view of the same. Fig. 3 is a section on line *z z* of Fig. 2. Fig. 4 is a perspective view of the knife and lever detached. Fig. 5 is a perspective view of the spring detached. Fig. 6 is a perspective view of the spring housing and adjusting cap detached.

In the accompanying drawings illustrating the preferred embodiment of my invention, A represents a plate constituting part of the frame or base of a cigar tip cutter, such plates being adapted to be selectively attached to a variety of bases of different design, for which purpose said plate is provided with threaded recesses 2, 3 to receive screws by means of which the plate A may be attached to the base.

The plate A is provided with a projection or post 4 preferably cast integral with said plate, which post serves as a pivot on which the knife B seats and turns. The end of post 4 is bored and tapped to receive a screw 6. Plate A also carries a stop pin or stud 7 also preferably cast integral, and is provided with a beveled opening 8 through which the cigar tip is to be introduced.

The knife blade B is concaved on the side adjacent to plate A so that the outer edges only bear against the face of plate A to provide for a minimum amount of friction between the knife and plate, and for a shearing effect between the sharpened edge 9 of the blade and the edge of the tip hole 8. A perforation 10 through the blade enables the blade to pivot upon the post 4 near its junction with the plate A. The cutting edge of the blade is of curved outline so that the blade will have a draw-cut through the tip of the cigar to enable it to cut through the tough fibers without injury to the cigar wrapper. To the shank 11 of the blade is attached a handle or actuating lever D the free end of which projects beyond the edge of plate A and is adapted to be pressed by the finger to effect the cutting operation.

In order to hold the cutting edge of the blade in close contact with the face of plate A to secure a shear action of the blade, and also to retract the blade after the cutting operation, I provide a spring 12 which is coiled about the post 4 outside of the blade. A cap E is provided and adapted to be locked in position over the outer end of the post 4 by means of screw 6. Said cap serves as a barrel or housing for the body of the spring and is perforated at 14 to engage and form a point of attachment for the hook 15 at one end of the spring. The opposite end of the spring is bent into an arm 16 which engages the shank 11 of the blade. The spring is compressed between the blade and the cap E sufficiently to hold the cutting edge of the blade firmly in contact with the face of plate A, and by loosening the screw 6 and turning the cap E relative to post 4, the end of the spring attached to cap E will be carried to right hand in Fig. 2, thereby securing the desired tension to properly retract the blade and bring it to rest against the stop 7, after which adjustment the screw 6 may be tightened to lock the cap E in its adjusted position. The cap E is of sufficient size to be conveniently grasped and turned by hand, and enables the tension to be conveniently adjusted or readjusted whenever required, and without requiring a skilled operator.

The mechanism herein illustrated and described is capable of considerable modification without departing from the principle of my invention.

Having described my invention, what I claim is:

1. In a cigar tip cutter, a supporting member provided with a tip hole, a blade pivotally attached to said supporting member and having a cutting edge adapted to pass across said tip hole, a spring, a cap pivotally supported by and adjustable relative to said supporting member, and means to lock said

cap to its adjusted position relative to said supporting member, said spring being compressed between said blade and cap to hold said blade in contact with said supporting member, and opposite ends of said spring respectively engaging said blade and cap to automatically retract said blade from said tip hole.

2. In a cigar tip cutter, a supporting member provided with a tip hole and a projecting tubular internally threaded post, a blade pivotally supported upon said post and having a curved cutting edge adapted to pass across said tip hole, a spring adapted to be coiled about said post, a cap pivotally supported and adjustable relative to said post, and means engaging the threaded interior of said post to lock said cap to its adjusted position relative to said post, said spring serving to hold said blade in contact with said supporting member, and opposite ends of said spring respectively engaging said blade and cap to automatically retract said blade from said tip hole.

3. In a cigar tip cutter, a supporting member provided with a tip hole and a projecting post, a blade concave on its face adjacent to said supporting member, pivotally supported upon said post and having a curved cutting edge adapted to pass across said tip hole, a cap fitting over the outer end of said post and having a cylindrical section forming a housing for a spring, said cap being adjustably supported relative to said post, and a spring seated upon said post within the cylindrical portion of said cap and interposed between said blade and cap to hold the blade in contact with said supporting member, opposite ends of said spring respectively being in engagement with said blade and cap to normally retract said blade from said tip hole.

4. In a cigar tip cutter, a supporting member provided with a tip hole and a projecting post adjacent to said tip hole, a blade concave on its face adjacent to said supporting member, said blade being pivotally supported upon said post and provided with a cutting edge adapted to pass across said tip hole, a cap pivotally supported and adjustable relative to said post, means to lock said cap to its adjusted position relative to said post, a spring coiled about said post between said blade and cap and with its opposite ends respectively engaging said blade and cap to normally retract said blade from said tip hole.

5. In a cigar tip cutter, a supporting member provided with a tip hole and an integral projecting post adjacent to said tip hole, a blade pivotally supported upon said post and having a cutting edge to pass across said tip hole, a spring, a cap pivotally supported upon the outer end of said post and adjustable relative thereto, and means to lock said cap relative to said post, said spring being compressed between said blade and cap to hold said blade in contact with said supporting member and opposite ends of said spring respectively engaging said blade and cap to automatically retract said blade from said tip hole.

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

EDWARD BRUNHOFF.

Witnesses:

RALPH H. INOTT,

C. W. MILES.