No. 829,199. PATENTED AUG. 21, 1906.

J. B. FELLOWS.

CIGAR CUTTER.

APPLICATION FILED APR. 30, 1906.

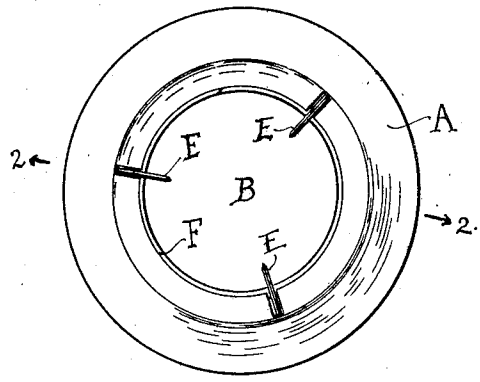



Fig. 1.

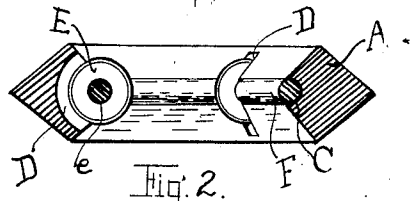



Fig. 2.

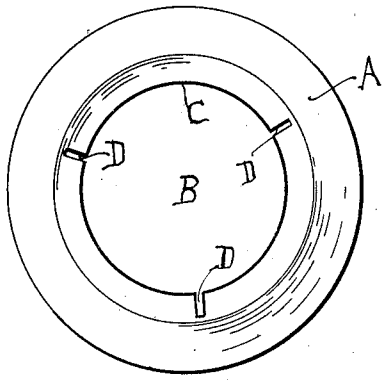



Fig. 3.

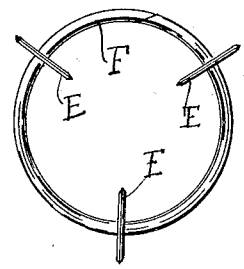



Fig. 4.

Jerome Bonaparte Fellows.

Inventor

Witnesses

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# UNITED STATES PATENT OFFICE.

JEROME BONAPARTE FELLOWS, OF SOMERVILLE, MASSACHUSETTS, ASSIGNOR OF ONE-HALF TO ELLIS SPEAR, JR., OF BOSTON, MASSACHUSETTS.

## CIGAR-CUTTER.

No. 829,199. Specification of Letters Patent. Patented Aug. 21, 1906.

Application filed April 30, 1906. Serial No. 314,424.

*To all whom it may concern:*

Be it known that I, JEROME BONAPARTE FELLOWS, a citizen of the United States, residing at Somerville, in the county of Middlesex and Commonwealth of Massachusetts, have invented certain new and useful Improvements in Cigar-Cutters, of which the following is a specification.

This invention relates to an improved instrument for slitting the ends of cigars to permit the escape of smoke therefrom without the necessity of clipping off the tip end of the cigar.

With instruments of this type the great difficulty is to secure a deep and even slit in the side of the cigar-tip without breaking or tearing the wrapper and without pulling out the filler through the slit or otherwise mutilating the cigar.

It is the object of the present invention to provide cutting or slitting means which will act upon the end of the cigar in such a manner as to produce a deep and even slit without danger of causing mutilation.

To this end I provide the instrument with cutting-disks mounted to rotate as the cigar-tip is pushed by them, so that the slit is made by a rotating cutter which allows the cigar-tip to move freely past it while the incision is being made.

The present invention therefore consists of an instrument having such cutters mounted therein and held in place by a certain construction and arrangement of parts which will be more fully described in the specification which follows.

In this specification like letters of reference indicate corresponding parts throughout, reference being made to the drawings which form a part thereof and which are similarly lettered.

In the drawings, Figure 1 is a plan view of my cutter; Fig. 2, a section on the line 2 2, Fig. 1; Fig. 3, a plan view of the frame with cutters removed, and Fig. 4 a plan view of the cutters and axle-ring.

A is a frame, which may be of any suitable external shape or form, and B is a passage therethrough. C is a groove in the wall of said passage extending around the side thereof.

D represents radial slits cut in the frame A.

E represents cutting-disks having sharp cutting edges and perforated at their centers *e*. These disks E are strung on a ring F, the central opening *e* being just large enough to allow the disks E to rotate freely on the ring F.

In assembling the parts the disks E are strung upon the ring F and are spaced apart to correspond to the slits D in the frame A. The ring is then sprung into place in the opening B and expands to catch in the groove C. In this position the cutting-disks E are held in the radial slits D and are freely rotatable therein.

In slitting the end of a cigar with this device the tip is inserted between the edges of the cutting-disks E and pushed into the opening B as far as is deemed necessary. As the disks begin to strike the wrapper of the cigar they rotate slightly, and the sharpened edges of the disk cut through the wrapper and into the filler with a rotating motion like a circular saw. This gives a clean deep cut without displacing the wrapper, and as the cigar is withdrawn the disks turn backward and rotate in the opposite direction, passing freely through the slit which they have made without pulling out any of the filler and without tearing the wrapper.

I have shown three disks spaced apart at a distance of one hundred and twenty degrees, and I find that this construction is very satisfactory; but the number of disks may obviously be changed and their shape, arrangement, and mounting modified without departing from the spirit of my invention.

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

1. In a device of the class described, a frame having an opening therein, and a cutting-disk rotatably mounted in said frame and having its edge exposed in said opening.

2. In a device of the class described, a frame having an opening therein, and a plurality of cutting-disks rotatably mounted in said frame and having their edges exposed in said opening.

3. In a device of the class described, a frame having an opening therein, and a plurality of radially-mounted cutting-disks rotatably mounted in said frame and having their edges exposed in said opening.

4. In a device for slitting the ends of cigars, a rotatably-mounted cutting-disk.

5. In a device for slitting the ends of cigars, a radially-disposed, rotatably-mounted cutting-disk.

6. In a device for slitting the ends of cigars, a plurality of radially-disposed, rotatably-mounted cutting-disks.

7. In a device of the class described, a frame having an opening therein, radially-disposed slits in said frame, cutting-disks rotatably mounted in said slits and having their edges exposed in said opening.

8. In a device of the class described, a frame having an opening therein, a radially-disposed slit in said frame, a cutting-disk rotatably mounted in said slit and having its edge exposed in said opening.

9. In a device of the class described, a frame having an opening therein, and provided with transverse slits, cutting-disks rotatably mounted in said slits and having their edges exposed in said opening.

10. In a device of the class described, a frame having an opening and a groove about the wall of said opening, a ring engaging said groove and cutting-disks rotatably mounted on said ring.

11. In a device of the class described, a frame having an opening and a groove about the wall of said opening, and radial slits in the wall of said opening, a ring engaging said groove and cutting-disks rotatably mounted on said ring and located in said slits.

12. In a device of the class described, a radially-disposed rotatably-mounted slitter.

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

JEROME BONAPARTE FELLOWS.

Witnesses:
WALTER L. CAME,
F. N. HOUSTON.