

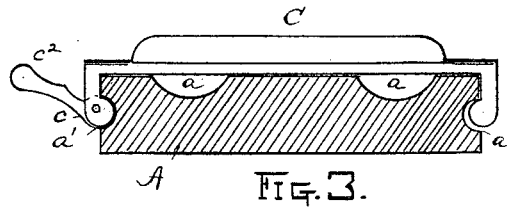
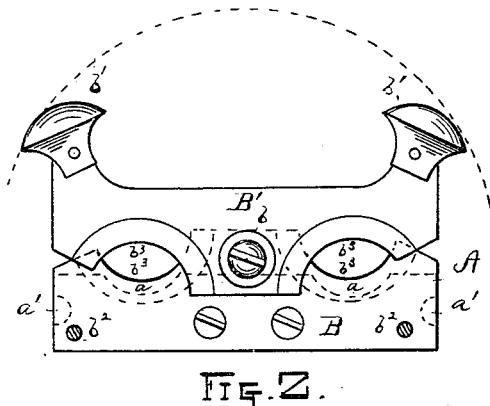
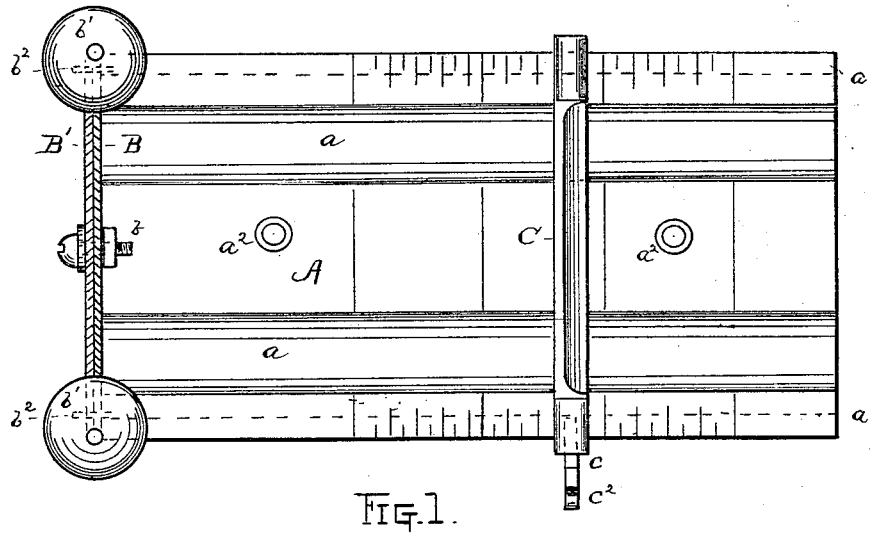
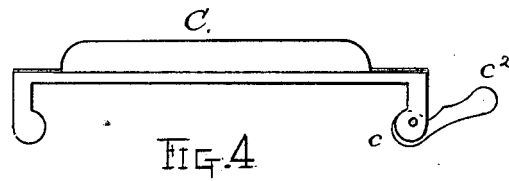
(No Model.)

B. D. EILERS.

CIGAR CUTTER.

No. 344,362.

Patented June 29, 1886.



WITNESSES:

Perrepoint Barlow.
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INVENTOR.

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UNITED STATES PATENT OFFICE.

BERNARD D. EILERS, OF UTICA, NEW YORK.

CIGAR-CUTTER.

SPECIFICATION forming part of Letters Patent No. 344,362, dated June 29, 1886.

Application filed May 8, 1885. Serial No. 164,777. (No model.)

To all whom it may concern:

Be it known that I, BERNARD D. EILERS, of the city of Utica, in the county of Oneida and State of New York, have invented a new and useful Improvement in Cigar-Cutters, of which the following is a specification.

My present invention relates to an improvement in a cigar-cutter, consisting of two shear-blades, one held stationary and the other pivoted to it centrally, so that the same has a swinging motion on its axes for trimming and cutting the ends of cigars in the process of manufacture, and a movable gage held on the bed-piece rigidly by means of a cam and lever, as hereinafter more fully described and claimed.

Heretofore in the process of manufacture of cigars the ends have been cut with a knife by hand, or between two blades pivoted at one extreme, by inserting the cigarend and pressing on the ends of the blades opposite the pivoted end and compressing the same together, the blades being opened after this operation by means of a spring. In the use of the last-mentioned device the blades are required to be loosely pivoted to enable the spring to operate. This necessarily tends to leave a ridge on the cut end of the cigar, produced by the looseness required in pivoting the blades. The springs operating the blades are continually getting out of order, causing trouble and annoyance. To overcome these troubles, I provide the mechanism hereinafter more fully described.

In the accompanying drawings similar letters of reference refer to corresponding parts throughout the several views.

In the accompanying drawings, Figure 1 represents a plan view of my improved cigar-cutter. Fig. 2 represents the left-hand end view of the same. Fig. 3 represents the right-hand end view of the same. Fig. 4 represents a side view of the gage.

Having described my invention by reference to the figures illustrated in the accompanying drawings, I will now proceed to describe it in reference to the letters marked thereon, in which—

A represents the grooved bed-piece of suitable length and width.

a a represent two semicircular grooves of

sufficient size for the reception of cigars which are placed in the grooves by the operator.

a' a' represent longitudinal grooves in the side of the bed-piece for the reception and movement therein of the ends of the movable gage.

B represents a shear-blade held in a vertical stationary position against the end of the bed-piece, with circular depressions in the cutting-edge corresponding in size and shape to the grooves in the bed-piece. This blade is rigidly attached to the end of the bed-piece, as indicated in Fig. 2, in such a manner as to bring the circular cutting-edges slightly above circular grooves a a in the bed-piece.

B' represents another shear-blade with circular cutting-edge, substantially corresponding to those in the lower shear-blade. This shear-blade is pivoted to blade B at b, which forms a pivot or axis which allows this blade to swing up or down.

b' b' represent knobs on shear-blade B' for operating the same.

b² b² represent stops or projections inserted in the blade B, against which the ends of blades B' strike when the same is in use.

b³ b³ b³ represent the shearing-edges of the blades, which are ground flat on the two surfaces which come together and beveling on the opposite surfaces.

C represents a gage, the circular ends of which fit into corresponding grooves, a' a', in the bed-piece. This gage is movable in the grooves to accommodate different lengths of cigars, and is held stationary by cam c, pivoted eccentrically to the circular end of gage C.

c' represents a lever attached to the cam for operating the same. By forcing the lever downward the gage is held stationary on the bed-piece. By elevating the same it may be moved.

a² a² represent apertures in the bed plate for screwing or bolting the same to a bench or table.

Operation: The gage is moved to the point required, the same tightened by moving lever c² downward. One end of shear-blade B' is moved downward until it strikes stop b². This operation opens the opposite edges of the blade. A cigar is then placed in groove a. The

blade is then moved upward, shearing between the two the end of the cigar which is projected between the curve surfaces of the blade. A cigar is then placed in the opposite groove and the same operation repeated.

I am aware that cigar-cutters having two knives in the same vertical plane and an oscillating knife having cutting-edges on its opposite side pivoted between said six knives nearer to one than to the other, and adapted to operate in conjunction with the fixed knives for producing a drawing cut as to one and a direct cut as to the other, have been heretofore provided. I am also aware that cutters having knives with circular edges held to a cutter-bar, to which an arm is rigidly attached, the extreme end of which is pivoted to the frame, has heretofore been used. I do not, therefore, claim either of them.

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

1. The combination, with the bed-plate pro-

vided with two semicircular grooves, *a a*, and the stationary blade secured to the end of the bed-plate, and provided with semicircular recesses having cutting-edges, of the cutter B', centrally pivoted to the end of the bed-plate, and provided with semicircular blades having cutting-edges *b³ b³* and with handles *b' b'*, substantially as described.

2. In a cigar-cutter of the character described, the combination of the bed-piece having the semicircular grooves in the top and sides, and the stationary cutters, the pivoted movable cutters having handles, and the gage having the eccentric cam to lock it in position in the grooves in the sides of the bed-piece, substantially as described, and for the purposes set forth and explained.

BERNARD D. EILERS.

Witnesses:

EDWIN H. RISLEY,
PIERRE PONT BARTON.