

R. W. BOOTH.
CIGAR TIP CUTTER.

Patented Mar. 4, 1890.

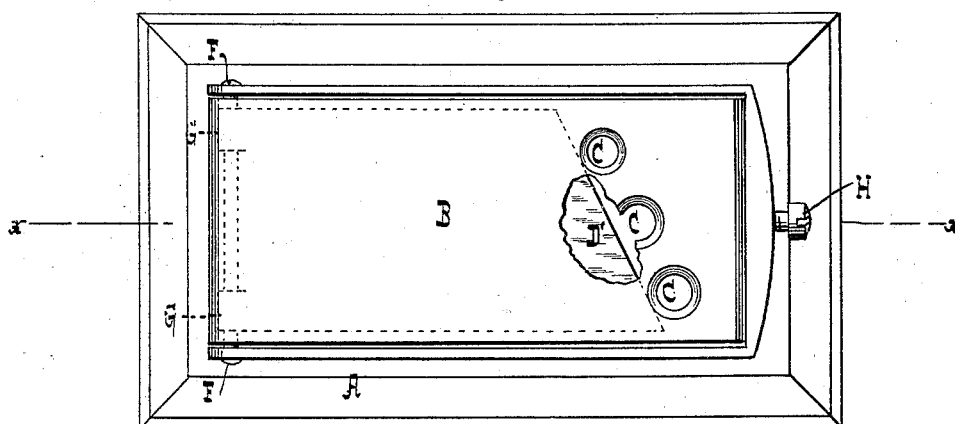
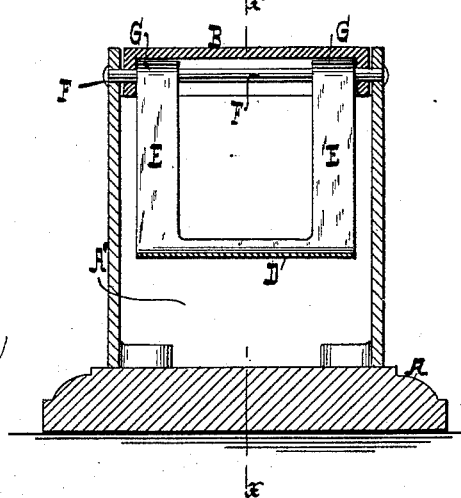


Fig. 3.



William Miller
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Ralph W. Booth.

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ATTORNEYS

UNITED STATES PATENT OFFICE.

RALPH W. BOOTH, OF NEW BRUNSWICK, NEW JERSEY, ASSIGNOR TO
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CIGAR-TIP CUTTER.

SPECIFICATION forming part of Letters Patent No. 422,708, dated March 4, 1890.

Application filed October 24, 1889. Serial No. 328,065. (No model.)

To all whom it may concern:

Be it known that I, RALPH W. BOOTH, a citizen of the United States, residing at New Brunswick, in the county of Middlesex and State of New Jersey, have invented new and useful Improvements in Cigar-Tip Cutters, of which the following is a specification.

This invention relates to that type of cigar-tip cutters wherein a swinging lid having orifices to receive the cigars is pivoted at one end on a box-casing containing a spring-cutter which slides past the orifices when the lid is depressed and elevates the lid when the pressure thereupon is removed.

The object of my invention is to improve the prior construction and provide a novel spring for cutting the tips and raising the lid.

To accomplish this object my invention involves the features of construction, the combination and arrangement of parts, and the principles of operation hereinafter described and claimed, reference being made to the accompanying drawings, in which—

Figure 1 is a vertical sectional view of the cigar-tip cutter, taken on the line *x x*, Figs. 2 and 3. Fig. 2 is a top plan view of the same. Fig. 3 is a sectional view taken on the line *y y*, Fig. 1.

In order to enable those skilled in the art to make and use my invention I will now describe the same in detail, referring to the drawings, where the letter A indicates the base-plate, and A' an upright wall, which is preferably in the form of a surrounding-casing to constitute a box-like receiver for the cigar-tips. The wall carries at its upper edge a transverse pivot-pin F, on which is journaled one end portion of the usual swinging lid B, having perforations C near its other end to receive the cigars. This lid swings in the arc of a circle, and is preferably guided by the usual pin and slot H and I.

To cut the cigar-tips and elevate the lid after its descent I provide an acute-angled spring comprising a flat elastic plate D, having a cutter or cutting-edge D', an elbow K,

and an upward extension E from the elbow, which at its upper end is hung from a support on the upright wall, this support, as here shown, being composed of the transverse pivot-pin F, on which the swinging lid is journaled, whereby the construction of the apparatus is simplified and its cost of production reduced. The cutter or cutting-edge D' bears against the inside of the lid, and the flat elastic plate D is arranged in an inclined position between the lid and the rear part of the upright wall in such manner that the elbow K abuts said wall, as shown in Fig. 1. The upward extension from the elbow is preferably composed of two separate members E E, as shown in Fig. 3, which at their upper ends are bent into hooks G G, that loosely engage the pivot-pin or similar support F. The elbow K, by resting against the upright wall, serves as a fulcrum for the cutter, so that when the lid is depressed the cutter or cutting-edge D' will slide past the perforations C and sever the cigar-tip. The cutter is formed integral with the acute-angled spring-plate, by which means the apparatus is simplified.

Having thus described my invention, what I claim is—

In a cigar-cutter, the combination of a base-plate having an upright wall supporting a pivot-pin, a swinging lid journaled at one end on said pin and perforated near the other end, and the acute-angled spring located beneath the lid and composed of the inclined elastic plate D, having the cutter D' resting against the inside of the lid, the elbow K, resting against the upright wall, and the extension E, rising from the elbow to and hung from the pivot-pin of the lid, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

RALPH W. BOOTH.

Witnesses:

AUG. T. LAUDMESSER,
FRED L. OAKLEY.