

(No Model.)

W. M. DUCKER.

COMBINED MATCH BOX AND CIGAR CUTTER.

No. 323,025.

Patented July 28, 1885.

Fig. 1.

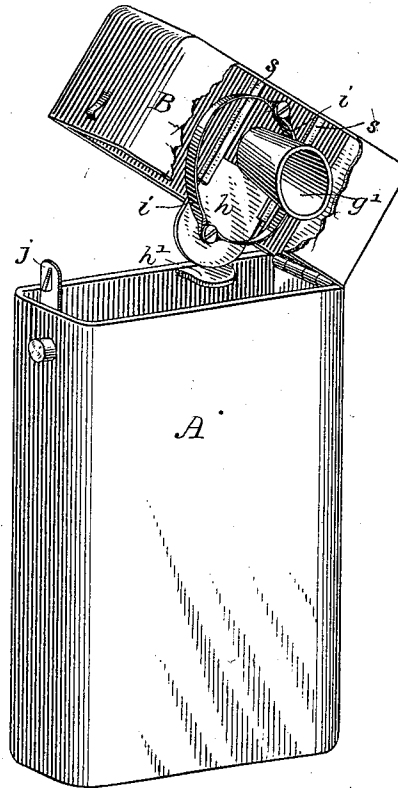


Fig. 2.

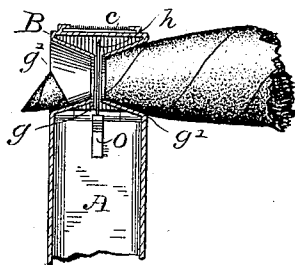
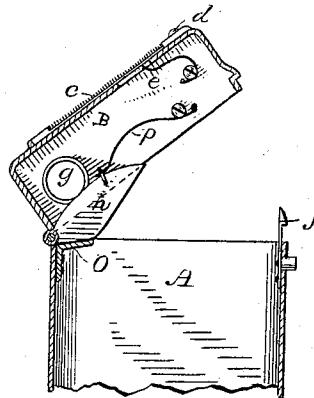


Fig. 3.



WITNESSES

Wm A. Shinkle
Geo W. Young.

INVENTOR

William M. Ducker.

By

Frankland Jannet
Att'y.

UNITED STATES PATENT OFFICE.

WILLIAM M. DUCKER, OF BROOKLYN, NEW YORK.

COMBINED MATCH-BOX AND CIGAR-CUTTER.

SPECIFICATION forming part of Letters Patent No. 323,025, dated July 28, 1885.

Application filed June 1, 1883. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM M. DUCKER, a citizen of the United States, residing in the city of Brooklyn, county of Kings, and State of New York, have invented certain new and useful Improvements in a Combined Match-Box and Cigar-Cutter; and I do hereby declare the following to be a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form part of this specification.

My invention has for its object the construction of a match-box with a movable match-striker, and also a cigar cutter.

Figure 1 is a perspective view of my device with part of the cover broken away. Figs. 2 and 3 are vertical sections of a modified form thereof.

Similar letters denote like parts.

As match-boxes have been made heretofore, some part of the box has generally been roughened to strike the matches upon. The objections to this arrangement are that the matches slip and scratch the box, and the matches are also frequently broken in striking them hard enough to produce the necessary friction.

I arrange my match-boxes with a movable striker operated by a spring, as shown in the different figures.

A is a match-box; B, the lid, hinged thereto in the usual or any convenient manner.

c is the striker, sliding in grooves arranged for it as may be most convenient, and held in place by the spring e, and moved by the button d, and is provided with a sharp-pointed striking-surface. It has a scope of movement about half an inch or more. To use it, it is pushed back by pressing against the button d. The match is held against it firmly and rigidly, preferably resting against the side of the grooves, the button is released, and the striker springs back to its place, and, scratching the match, ignites it.

The movable striker may be applied to any part of the box; but I prefer to place it on the lid, as shown. By this arrangement the match is not to be rubbed against the box, as is customary with the boxes in ordinary use; but

it is held steadily in the hand, and it is ignited by the action of the slide c, operated by the spring e.

The cigar cutter I arrange in the lid of the box, and I show two different arrangements thereof.

In the drawings, g is the opening to receive the end of the cigar, and extending through a hole in the lid is a tube or receiver, g', which may be soldered onto one side of the lid only, and wholly supported from that side, the said tube terminating a short distance from the opposite side of the lid, in front of an aperture therein adapted to receive the tip of the cigar, a knife being arranged to pass upward between the end of the tube g' and the cigar-receiving aperture.

As indicated in Fig. 1, the tube g' is soldered to that side of the lid which is broken away; or it may be formed or arranged in any other convenient manner.

h is the knife, having its edge parallel and contiguous with the side of the box, by which it is protected; and i is a spring arranged on the knife and also on the lid. This spring throws the knife away from the opening, and also throws back the lid when the catch is pushed upon, thus dispensing with the spring usually arranged to throw back the lid.

The back or lower side of the knife h rests upon the upper edge of the inside rim of the match-box A, which passes within the cover B; or, if desired, a shoulder or projection, h', may be arranged on that part of the rim upon which the back of the knife is to rest, which will give an additional support to the knife. This knife moves between the side of the box-lid and shoulders s s, arranged on the inner side of the lid, and also between the side of the lid and the end of the tube or receiver g', as shown clearly in Fig. 1, and is situated in the angle formed by the box and cover when the box is opened.

When the box is closed, the spring i is compressed, and on releasing the snap j the spring throws back the lid, and the knife is carried away from the opening g, permitting the end of the cigar to be inserted. The lid is then closed, forcing the knife through the cigar and cutting off its end, which then drops out

through the receiver *g'*, although it will be obvious that a small cigar could be cut by inserting it through the receiver, if that were desirable.

5 Another form of my cigar-cutter is shown in Figs. 2 and 3, in which the knife is arranged in the middle of the lid instead of at the side, as shown. In this form the lid is provided with tubes or tubular openings from both
10 sides, in any convenient manner, terminating in the central opening, *g*, in which and between the edges of the tubes the knife *h* moves, as clearly shown in Fig. 2. This knife is hinged, preferably, on the same hinge-pin as
15 the lid, and rests upon a suitable shoulder, *O*, and is located in the angle formed by the box and lid when the box is opened. The lid is closed against the action of the spring *p*, and when the lid is released from the snap *j* this
20 spring throws it back and holds the knife away from the opening. The cigar is then inserted, crossing this opening, the lid is closed, and thereby the knife is forced through the cigar and cuts off its end, which falls away
25 on the other side and into the tube or receiver, as shown in Fig. 2, from which it is discharged.

The drawings are all somewhat exaggerated to show the parts more clearly.

30 It will thus be seen that in my invention the box is free from any spring, the purpose of which is alone to operate the lid; that the lid and knife are so arranged that (the spring being secured to the lid and connected to the
35 knife) the lid and knife will move together away from the mouth of the box when it is desired to get at the interior, and that the end of the cigar, after it is cut off, does not fall into the box or among the matches, but drops
40 into the receiver, from whence it is discharged.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A combined match box and cigar-cutter

provided with the match-striker *c*, having an outwardly-roughened striking-surface, in combination with the spring *e*, for longitudinally retracting said striker, substantially as described.

2. A combined match-box and cigar-cutter provided with the movable striker *c*, having an outwardly-roughened striking-surface, in combination with suitable guides for such
50 striker, the button *d*, and the spring *e*, as described.

3. A match-box consisting of a body and hinged cover having a cutter operated to sever the tip of a cigar by the closing of the box, situated in the angle formed by the body and cover when the box is opened, and having its edge
60 parallel and contiguous with the side of the box and protected by a portion thereof, the box being provided with a hole for a cigar-tip, situated in the path of the said cutter when the box is being closed, and a transverse tube
65 or receiver, substantially as set forth.

4. A combined match-box and cigar-cutter having a tube or passage through the lid to receive the end of a cigar, a cutter-blade arranged to operate across the passage in the
70 lid, a spring seated against said blade to throw back the lid, and a shoulder arranged on the box to force said blade through the cigar by the operation of closing the lid, substantially as described.

5. In a combined match-box and cigar-cutter, a knife, *h*, hinged to swing with the cover, and a shoulder on the box for supporting said knife, in combination with the box-cover
75 *b*, having cigar-receiving passage therein, and the spring *p*, secured to said cover, and bearing upon said knife, and adapted to throw back the cover of the box, substantially as described.

WILLIAM M. DUCKER.

Witnesses:

GRAINGER HYER,
JOHN H. VAN KLEECK.