No. 749,964. PATENTED JAN. 19, 1904.

J. T. GALETTI.

COMBINED CIGAR CUTTER AND MATCH IGNITER.

APPLICATION FILED SEPT. 5, 1902.

NO MODEL. 2 SHEETS—SHEET 1.

Fig. 1.

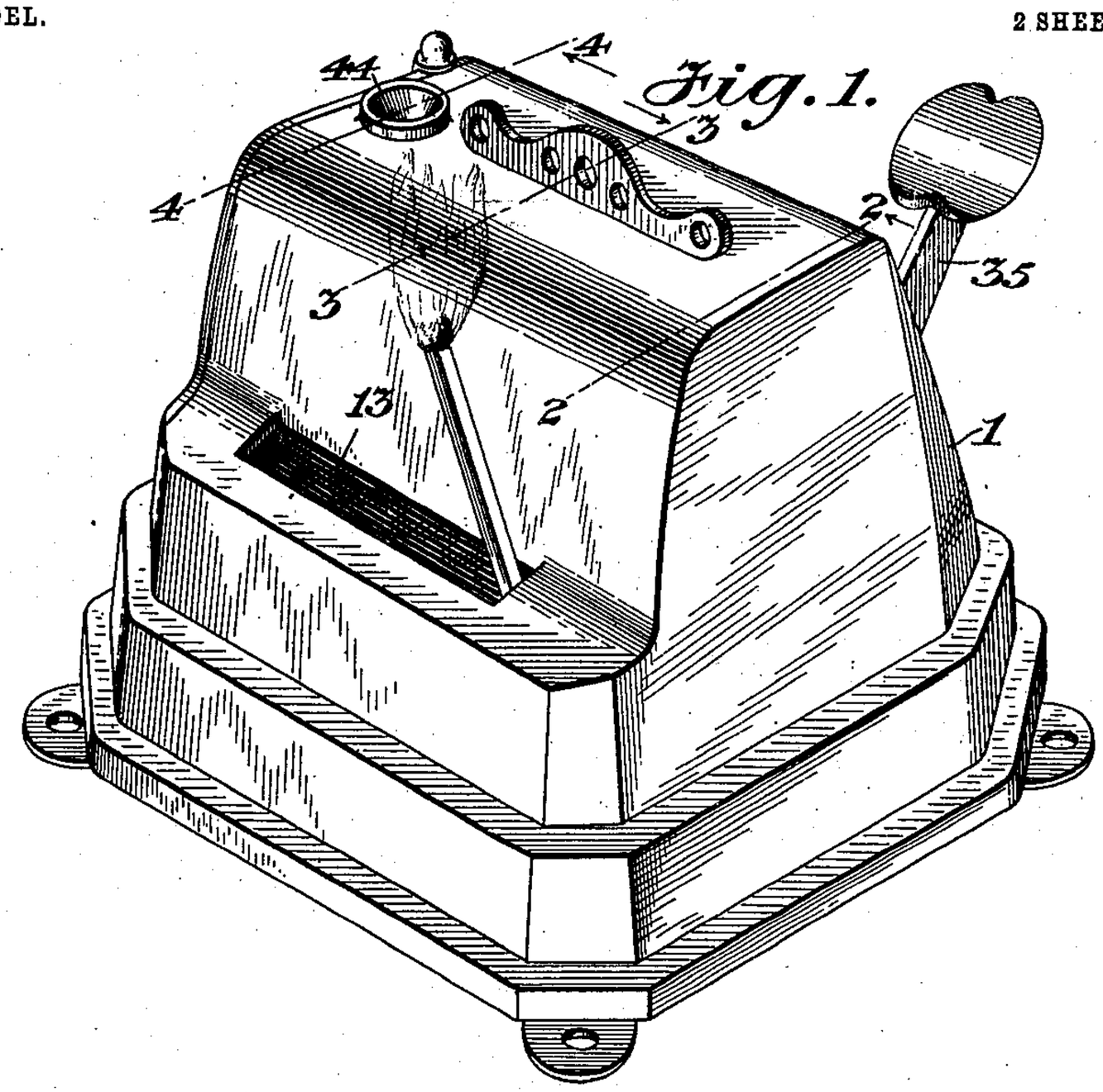
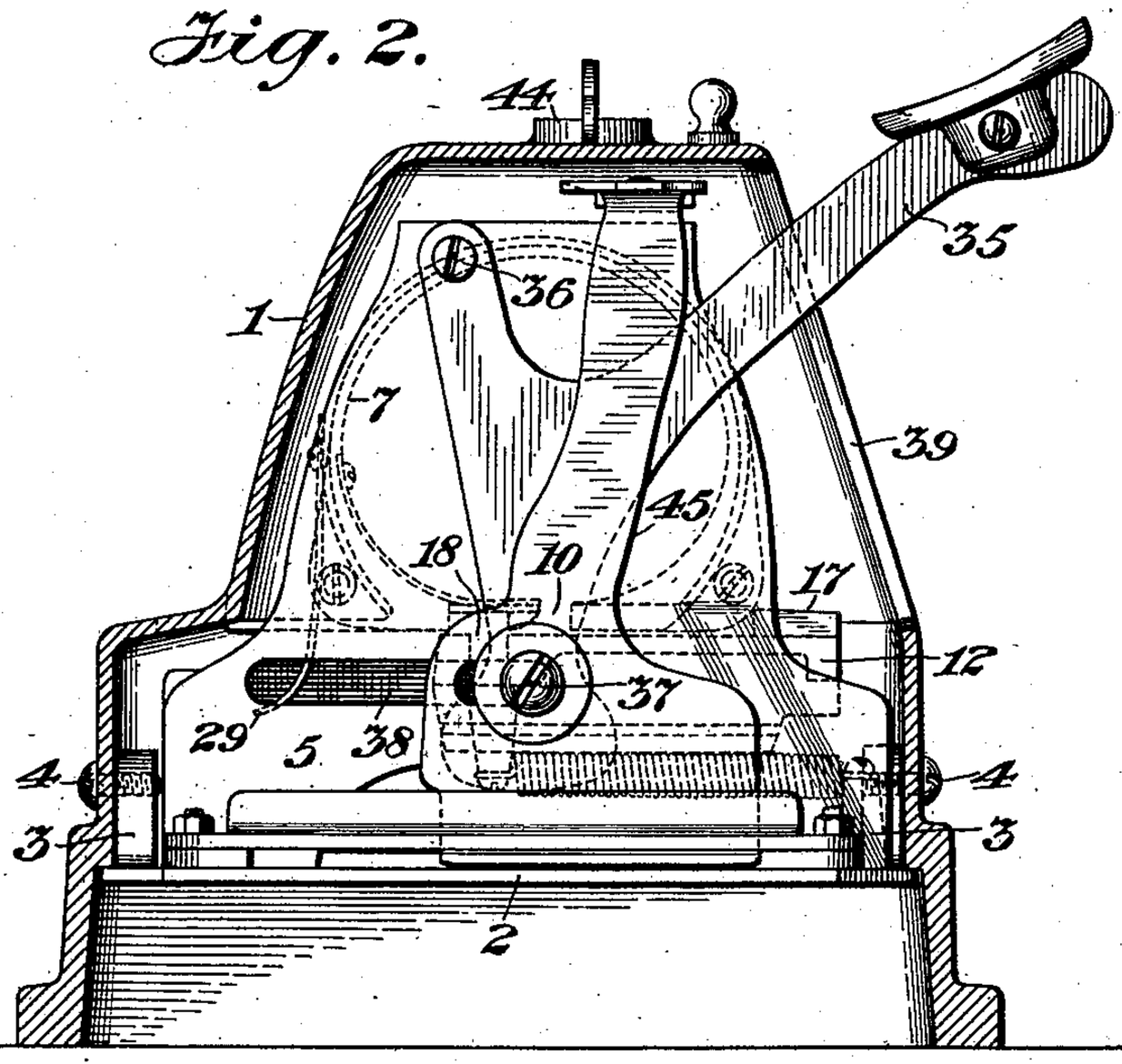


Fig. 2.



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Inventor
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APPLICATION FILED SEPT. 5, 1902.

NO MODEL. 2 SHEETS—SHEET 2.

Fig. 3.

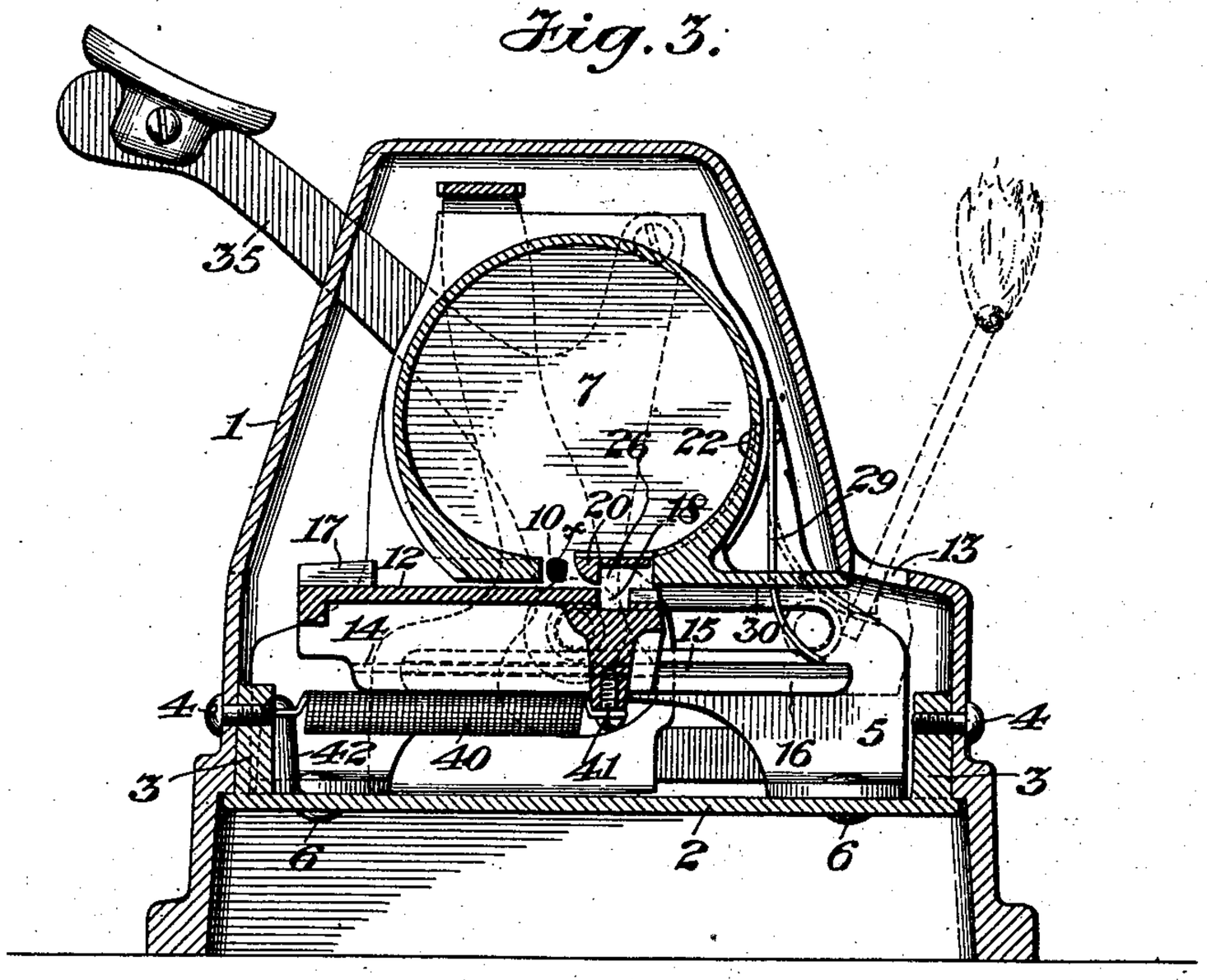

Fig. 5.

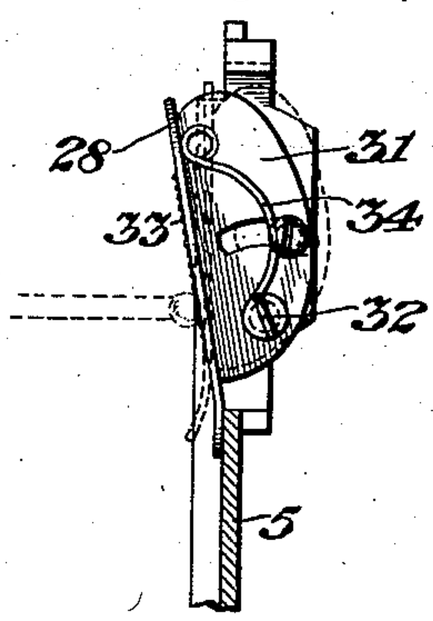

Fig. 4.

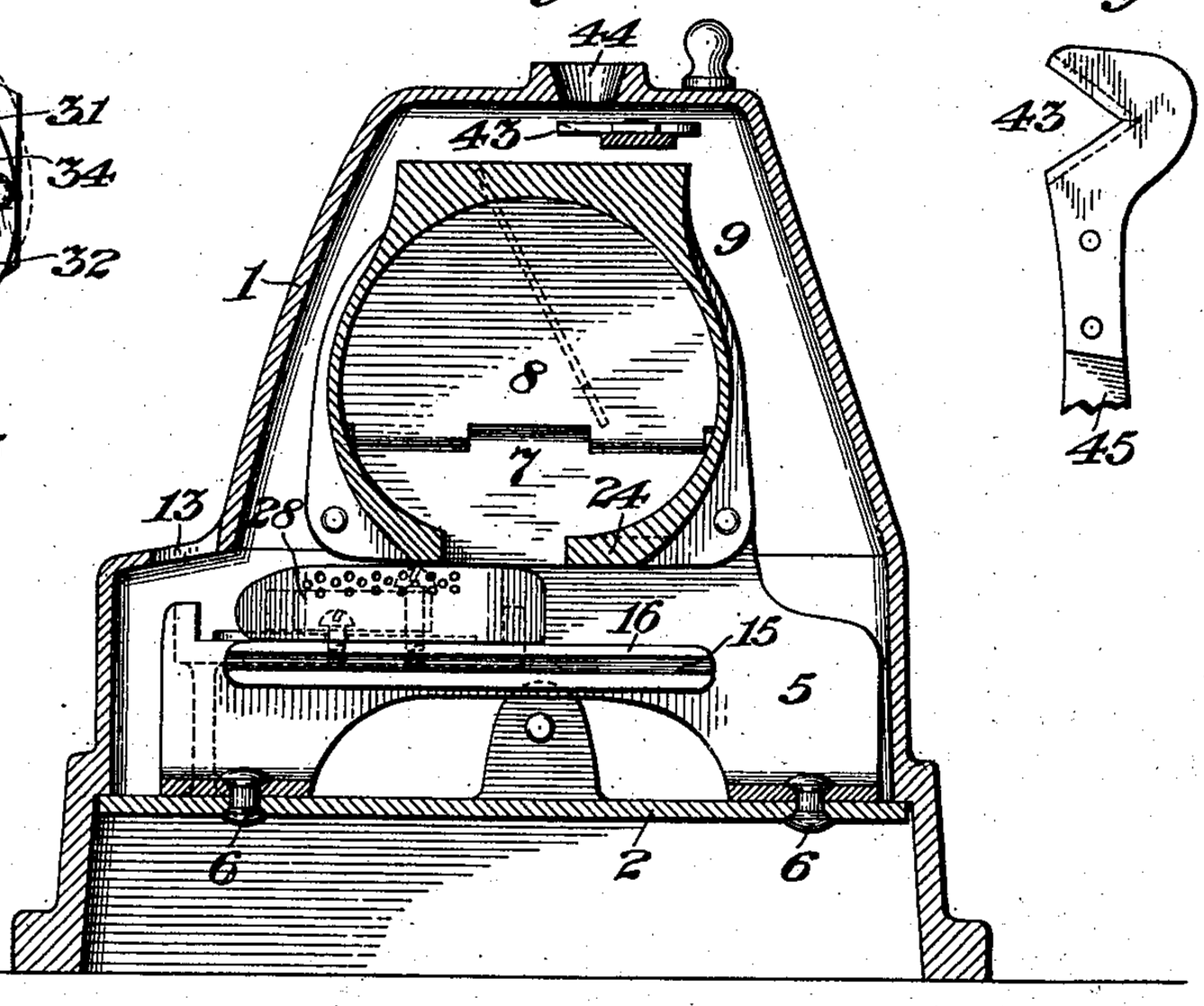

Fig. 6.

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No. 749,964. Patented January 19, 1904.

UNITED STATES PATENT OFFICE.

JOSEPH T. GALETTI, OF NEW YORK, N. Y., ASSIGNOR OF PART TO CELESTINO PIVA AND EDUARDO PERGOLI, OF NEW YORK, N. Y.

COMBINED CIGAR-CUTTER AND MATCH-IGNITER.

SPECIFICATION forming part of Letters Patent No. 749,964, dated January 19, 1904.

Application filed September 5, 1902. Serial No. 122,187. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH T. GALETTI, a citizen of the United States, and a resident of the borough of Manhattan, in the city, county, and State of New York, have invented a new and useful Combined Cigar-Cutter and Match-Igniter, of which the following is a specification.

This invention has for its principal object to provide a device having means whereby a cigar may be cut and a match be removed from a suitable receptacle and ignited and located in a convenient position to be seized for use at one operation of an actuating part.

To this end my invention consists in providing a device which will embody as its desirable although not necessarily essential parts or features an outer case having an opening to permit of the insertion of the end of a cigar and a second opening to permit of the discharge or ejection of a match, a match-containing receptacle within said case, a carrier for receiving a match from said receptacle and moving the same to a position adjacent to the match-discharge opening of the case, means for igniting the match and automatically ejecting the ignited end of the same through said opening in the case when brought to a position adjacent thereto by the carrier, a cutter operative adjacent to the cigar-receiving opening in the case, and a common actuator for the carrier and cutter. These several features in combination constitute a desirable embodiment of my invention; but certain of the same may be dispensed with and the remaining ones still constitute operative combinations for certain purposes, as will be hereinafter set forth in detail, and pointed out in the claims.

Referring to the accompanying drawings, forming part of this specification, Figure 1 is a perspective view of a device embodying my invention, showing an ignited match in the position it assumes when ejected through the opening in the outer case of the device. Figs. 2, 3, and 4 are vertical cross-sections through the device, taken on lines 2 2, 3 3, and 4 4, respectively, of Fig. 1, looking in the direction indication by the arrows. Fig. 5 is a detail view of the match-igniter and a portion of the frame on which it is mounted. Fig. 6 is a detail view of the cutter broken from its supporting-frame.

In the drawings, 1 indicates the outer case of the device, which may be of any desired shape or design. Within this case in the present instance shown is removably secured a frame to which the several operative parts of the device are connected, this frame comprising a base-plate 2, having attaching-lugs 3, by which it is suitably secured to the case 1, as by means of the screws 4, and two upright plates or standards 5 5, suitably secured to said base-plate adjacent to its opposite ends, as by means of the rivets 6. Between these standards 5 5 and secured to the same is a cylindrical-shaped match-receiving receptacle 7, access to which may be had through a swinging door or lid 8 at one end thereof and an adjacent oppositely-located swinging door or lid 9 at one end of the outer case 1. In the lower wall of this receptacle 7 is formed a longitudinal slot or opening 10, into which the matches in the receptacle drop or feed by gravity, as shown at *x* in Fig. 3, and below this slot or opening is arranged the movable carrier (indicated at 12) which is adapted to receive the matches from the receptacle and carry them to a position where they will be automatically moved or ejected therefrom through an opening 13 in one side of the case in a manner to be hereinafter referred to.

The carrier 12, as herein shown, consists of a plate which is slidingly supported to have a reciprocating movement beneath the receptacle by means of flanges 14 at each side thereof extending into grooves or guideways 15, formed in ribs 16 on the inner wall of the standards 5 5. This carrier is provided with projections 17 on its upper surface adjacent to the rear end thereof and with a transversely-arranged groove or recess 18 in its upper surface adjacent to the front end thereof which coöperate with the slot 10 in the receptacle to remove the matches therefrom in a manner to be described. The said slot 10 in the receptacle 7 is made of such width as to receive only one match at a time, and this match is

subsequently fed into the recess 18 of the carrier to be carried forward thereby to its discharge-opening 13 in the outer case. If the said match dropped directly from the slot 10 into the recess 18 of the carrier, however, and the said recess was somewhat larger than intended for the size of the matches used, the following match would be partially received into the said recess and so become caught and jammed between the same and the adjacent wall of the receptacle upon the forward movement of the carrier, and so prevent the proper operation of the latter. To guard against this and insure the positive feeding of only one match at a time to the carrier, I have provided a feed-controller which in the present instance is in the form of a vertically-movable wall at the forward side of the slot 10, formed by a bar 20, secured to one end of a spring-arm attached to the inner wall of the receptacle 7 by a screw 22. This controller coöperates with the carrier 12 in a manner as follows: When the carrier is in its normal position, as shown in Fig. 3, a match will rest thereon in the slot 10. Upon the forward movement of the carrier from this position in the operation of the device the projections 17 thereon will move through grooves 24 in the lower wall of the receptacle and engage with the match *x* in the slot 10 and force or feed the same beneath the controller-bar 20 into a space or chamber 26 behind the same. Upon the return movement now of the carrier the controller-bar will automatically return to its normal lowered position to close communication between the slot 10 and the chamber 26, and the match will remain in the latter, resting upon the upper surface of the carrier until the latter has moved to the limit of its backward movement and the recess 18 therein has been brought to a position beneath the chamber 26, as shown in Fig. 3, at which time the match therein will drop into the said recess to be carried forward upon the next forward movement of the carrier.

The carrier 12 is of such width that a match resting in the recess 18 therein will project at its ends beyond the edge thereof, so that during the forward movement of the carrier toward the discharge-opening in the case the head of the match will be caused to engage with a suitable igniting device, such as 28, at one side of the path of movement of the carrier, and its opposite end will be caused to engage with an ejector, such as 29, at the other side of the path of movement of the carrier, the said ejector, as herein shown, comprising a spring-finger which engages and presses down upon the adjacent projecting end of the match when the latter nears the discharge-opening in the case, and so cause the opposite end to bear upward against a wall 30 until it reaches a position opposite the said discharge-opening, when, being freed, it will be ejected through such opening by the action of the ejector in the manner as shown in Figs. 1 and 3, where it may be conveniently reached by the person desiring to use the same.

Any suitable means for igniting the match upon or prior to its ejection through the opening 13 may be employed, the igniter herein shown and as most clearly illustrated in Fig. 5 comprising a horizontally-arranged plate 31, which is pivoted at 32 upon a part of one of the standards 5 and provided with an upturned flange 33, arranged at one side of the path of movement of the carrier and having a roughened surface for engagement with the match, as shown, a spring 34 being arranged to yieldingly hold the igniter in its normal operative position.

Any suitable means may also be employed to operate the carrier in the manner hereinbefore described, the means, as herein shown, comprising a lever 35, which is mounted on a stationary pivot 36, with one end connected to a pin or screw 37, projecting from one side of the carrier through an elongated slot 38 in the standard 5 and its other or operating end projecting through a slot 39 in the case 1 in a convenient position to be operated. This lever serves as a means to positively operate the carrier in its forward movement, the return movement of the same being automatically accomplished upon releasing the lever 35 by means of a spring 40, connecting at one end with a stud 41 on the under side of the carrier and at its opposite end with a stationary stud or post 42 on the base-plate 2.

Preferably coöperating with the match-igniting mechanism described is a cigar-cutter 43. This cutter, which is adapted to operate in a path across and adjacent to a cigar-receiving opening 44 in the case 1, is carried at one end of a sliding frame 45, which latter adjacent to its opposite end is connected with the pin or screw 37 on the carrier 12, so as to be operated simultaneously therewith by the lever 35.

Having thus set forth my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

1. A device of the character described, comprising a match-containing receptacle having a delivery-opening, a carrier exterior to the receptacle and movable across said opening and having a match-receiving recess, a feed-controller for the matches normally closing communication between the receptacle and the match-receiving recess of the carrier, and means for positively feeding a match past the said controller and into position to enter the said match-receiving recess of the carrier.

2. A device of the character described, comprising a match-containing receptacle having a discharge-opening, a carrier exterior to the receptacle and reciprocatory across said opening and having a match-receiving recess, a spring-pressed feed-controller normally closing communication between the discharge-

opening of the receptacle and the match-receiving recess of the carrier, and means carried by the said carrier for positively feeding a match from the discharge-opening of the receptacle past the feed-controller and into position to enter the match-receiving recess of the carrier.

3. A device of the character described, comprising a match-containing receptacle having a discharge-opening, one wall of which is movable, a reciprocatory carrier movable across said opening exterior to the receptacle and having a match-engaging projection and a match-receiving recess, the said projection being movable across the receptacle discharge-opening to carry a match therein behind the movable wall of said opening and the said recess being movable to and from a position to receive the match located behind said movable wall, and means for ejecting the match from its position in said recess in the carrier.

In testimony whereof I have signed my name to this specification, in the presence of two subing witnesses, this 29th day of August, 1902.

JOSEPH T. GALETTI.

Witnesses:
CHAS. F. DANE,
FERD. A. KRAUS.