

No. 815,219.

PATENTED MAR. 13, 1906.

W. ROOLL.
CIGAR CUTTER AND LIGHTER.
APPLICATION FILED NOV. 14, 1905.

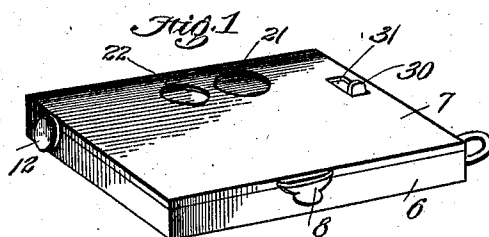
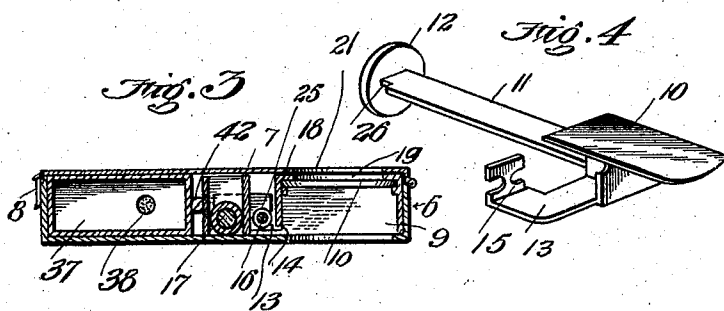
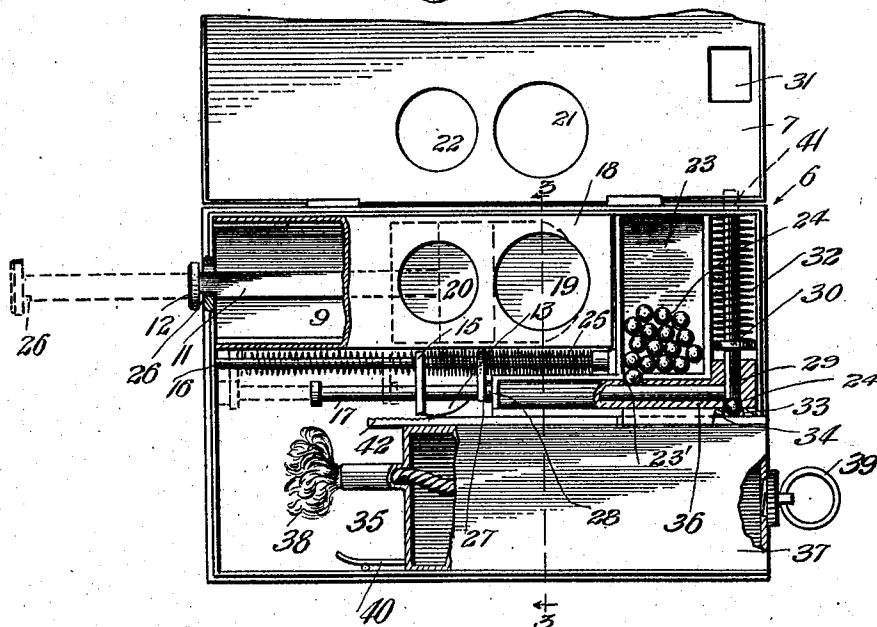


Fig. 2



Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM ROOLL, OF LOS ANGELES, CALIFORNIA.

CIGAR CUTTER AND LIGHTER.

No. 815,219.

Specification of Letters Patent.

Patented March 13, 1906.

Application filed November 14, 1905. Serial No. 287,324.

To all whom it may concern:

Be it known that I, WILLIAM ROOLL, a citizen of Russia, residing at Los Angeles, in the county of Los Angeles and State of California, have invented a new and useful Cigar Cutter and Lighter, of which the following is a specification.

My invention relates to a combined cigar cutter and lighter which may be carried in the vest-pocket; and the object thereof is to provide simple and efficient means for cutting off the end of a cigar and of furnishing convenient means for lighting the other end no matter how hard the wind may blow. I accomplish these objects by means of the mechanism described herein and illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of my device in its inoperative position ready to be placed in the vest or other pocket. Fig. 2 is a plan of my device with the lid open and parts broken away for clearness of illustration. Fig. 3 is a cross-section on the line 3 3 of Fig. 2. Fig. 4 is a detail of the cutting-blade.

In the drawing, 6 is a small box, preferably constructed of brass or aluminium, provided with a hinged cover 7, which is secured against accidental opening by a snap-fastening 8. At one side and extending nearly the entire length of the box is the cutter compartment 9, in which is mounted cutter 10, having a shank 11, that projects through the end of the box and exterior thereof is provided with a round flat end 12. To the under side of the cutter is secured a guide-arm 13, which projects through slot 14 in the lower edge of the side of the cutter-compartment, as best shown in Fig. 3. Exterior the cutter-compartment guide-arm 13 is provided with an upwardly-projecting stud 15, which partially surrounds guide-rod 16 and the fulminating-operating rod 17. Cutter 10 is moved in the cutter-compartment longitudinally just below the top plate 18 thereof. This top plate is provided with apertures 19 and 20, which register with apertures 21 and 22 in the cover of the box when the cover is closed, as shown in Fig. 1, and the bottom of the box has a corresponding aperture therein which permits the ends of the cigars when cut off to drop through the box. Below the cutter-compartment is the fulminate-ball compartment 23, which holds the fulminate-balls 24, which are ignited, which are hereinafter explained. On the guide-rod 16 is a spring 25, one end of which bears against stud 15 to

force the cutter outwardly, as shown in dotted lines in Fig. 3, which it will do when notch 26 in the outer end of the shank is disengaged from the end of the box. As the cutter-bar moves outwardly stud 15 engages the head of the fulminating-rod and carries it outwardly with it until the lower end thereof passes beyond port 23' in the end of the fulminate-box, which permits one of the fulminate balls to fall down into the path of the fulminate-rod. The operator then places his cigar into either apertures 21 or 22, as he may desire a longer or a shorter piece cut from the end of the cigar, and then pushes the cutter end by pressing upon the flat end of the shank of the cutter until the cutter is pushed into the box, as shown in Figs. 1 and 2 in full lines, thereby cutting off the end of the cigar. The inner movement of the cutter causes a small yoke 27 to engage a collar 28 on the fulminate operating rod and carry the rod inwardly until the fulminate ball rests against the pressure-rod 29. Yoke 27 is loosely slipped over the guide-rod and in the coils of the spring thereon, so that it has a yielding pressure upon the collar on the fulminate-operating rod. As soon as the cutter is pushed to its innermost position the shank is pushed over so that the notch 26 engages the end of the box and locks it in that position. The pressure-rod is provided with a handle 30, which projects through a slot 31 in the cover. Intermediate the handle and the edge of the box is a spring 32, one end of which bears against the handle and the other against the box. After the cutter is locked in its innermost position the operator moves the pressure-rod out of the path of the fulminate ball, the outer end passing through a hole 41 in the edge of the box, whereupon the fulminate-operating rod pushes the ball into the path of the pressure-rod, which is then released and the fulminating ball is forced and held in chamber 33, formed in the wall of the lighting-box chamber 35 and the wall of the fulminate-operating rod guide-tube, as shown in Fig. 3.

The cigar-lighting device is composed of an alcohol-reservoir 37, which is provided with a wick 38. On one side of the chamber and near the wick it is provided with a metallic serrated igniter or abrading-bar 42, which as the chamber is drawn out of the box scrapes across the fulminate ball and causes the same to ignite in such close proximity to the wick that it takes fire. The smoker then

lights his cigar from the flame and then replaces the reservoir in the box, which extinguishes the flame. The outer end of the reservoir is provided with an operating-ring 39, which enables it to be pulled out of the box and indicates which end of the box should be kept up in the pocket. A spring 40 forms a catch for holding the reservoir against accidental displacement.

10 Having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A cigar-lighter comprising a fulminate-ball-holding chamber having a port in the edge thereof; a fulminate-operating rod adjacent thereto and normally closing said port; means to operate said rod to open and close said port; a pressure-rod adjacent to the end of the fulminate rod; a chamber below said pressure-rod; a reservoir adjacent to said last chamber; a wick in said reservoir; an igniter secured to said reservoir adjacent to said wick; and fulminate balls in said ball-holding chamber.

25 2. A cigar lighter and cutter comprising a casing having a hinged lid, said lid and casing having apertures therethrough in register; and a slot in the end of the casing; a cutter-compartment in said casing; a cutter in said compartment; a shank secured to said cutter and projecting through the end of the casing and having a notch in the end thereof; a guide-arm secured to the bottom of said cutter and projecting out of said cutter-compartment and having a stud on the end thereof; a guide-rod adjacent to said cutter-com-

partment and engaged by one side of said stud; a spring on said guide-rod and bearing against said stud; a guide-tube adjacent to said guide-rod; a fulminate-ball-operating rod in said guide-tube; said tube having an aperture or port in one side thereof; a fulminate-ball-holding chamber having a port in register with the aperture in said tube adjacent thereto; a pressure-rod adjacent to said ball-holding chamber, said rod having a handle passing through an aperture in the lid; a single ball-holding chamber below said pressure-rod; a reservoir adjacent to said last chamber; an abrading-bar on the side of said chamber; a wick in said chamber having an end thereof projecting therefrom adjacent to said bar; a head on the end of the fulminate-ball-operating rod and a collar on said rod intermediate the ends thereof; and a yoke loosely mounted on the guide-rod intermediate the coils of the spring thereon, said yoke straddling said fulminate-ball-operating bar and adapted to cause said rod to deliver a fulminate ball in the path of the pressure-rod when the pressure-rod is withdrawn above the plane of the fulminate-ball-operating rod; and fulminate balls in said ball-holding chambers.

In witness that I claim the foregoing I have hereunto subscribed my name this 6th day of November, 1905.

WILLIAM ROOLL.

Witnesses:

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MYRTLE A. JONES.