No. 785,672. PATENTED MAR. 21, 1905.

O. JAEGER.

CIGAR CUTTER AND MATCH DELIVERER.

APPLICATION FILED MAY 7, 1904.

Fig. 1.

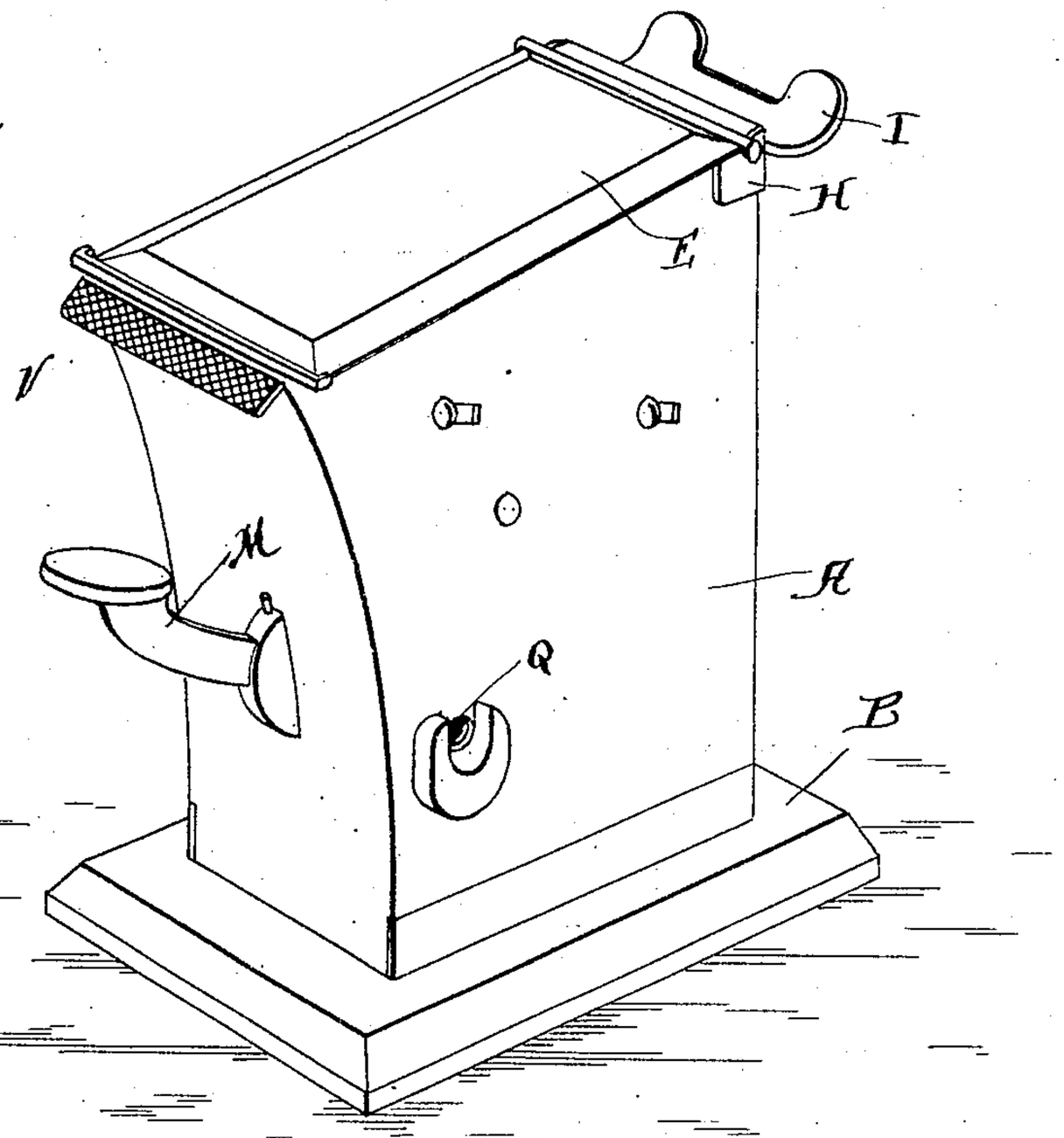


Fig. 2.

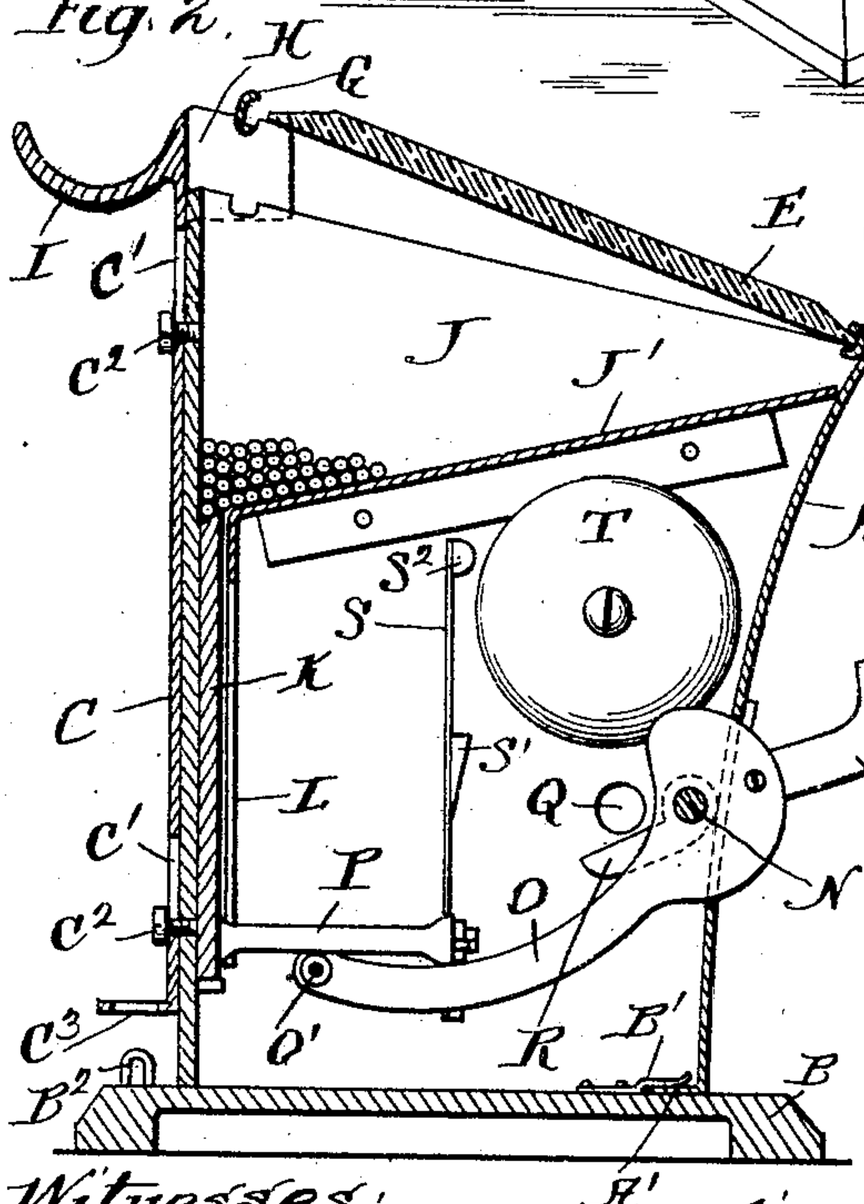


Fig. 3.

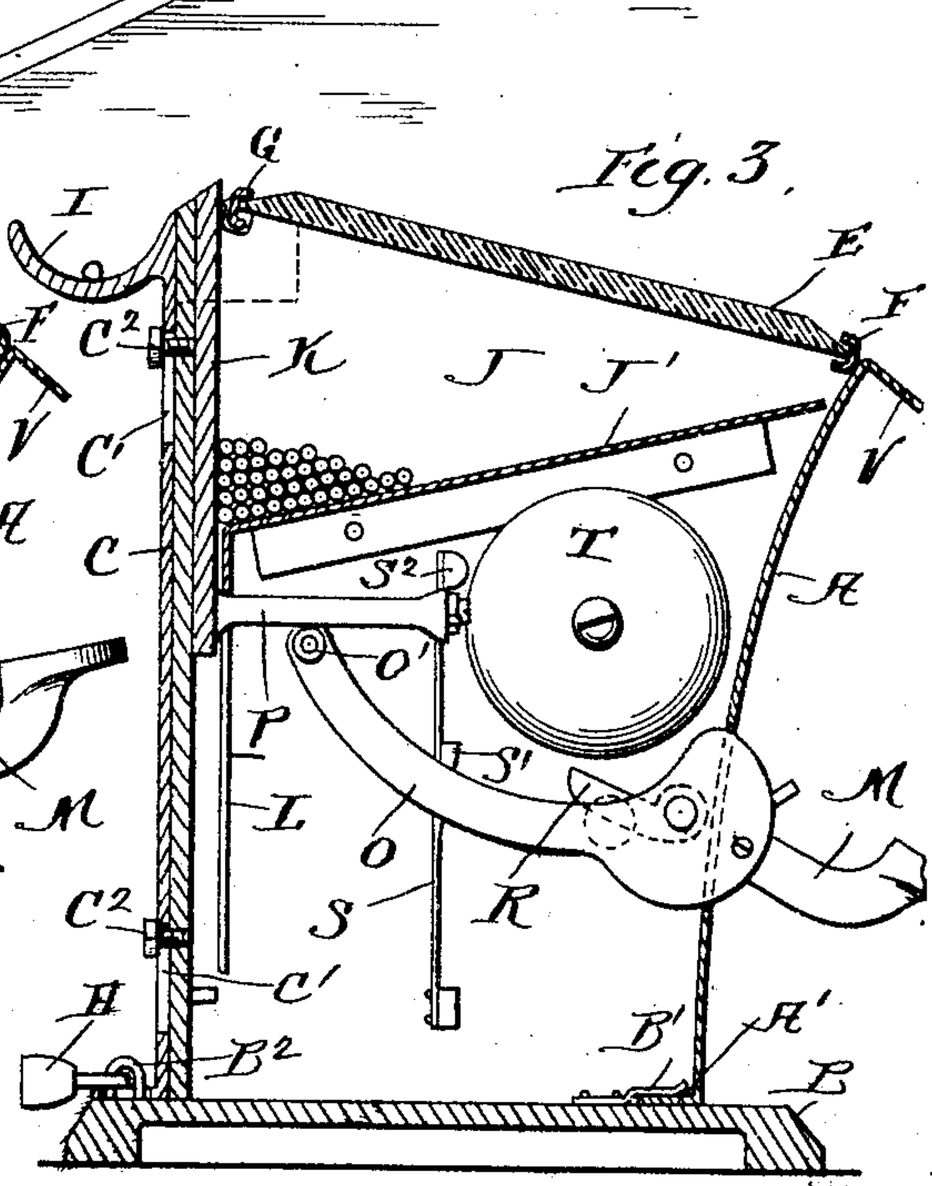
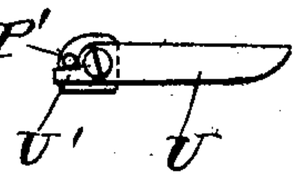


Fig. 4.



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No. 785,672. Patented March 21, 1905.

UNITED STATES PATENT OFFICE.

OTTO JAEGER, OF PHILADELPHIA, PENNSYLVANIA.

CIGAR-CUTTER AND MATCH-DELIVERER.

SPECIFICATION forming part of Letters Patent No. 785,672, dated March 21, 1905.

Application filed May 7, 1904. Serial No. 206,801.

To all whom it may concern:

Be it known that I, OTTO JAEGER, a citizen of the United States, residing at Philadelphia, county of Philadelphia, and State of Pennsylvania, have invented a certain new and useful Improvement in Cigar-Cutters and Match-Deliverers, of which the following is a specification.

My invention relates to a new and useful improvement in cigar-cutters and match-deliverers, and has for its object to provide a device of this description by which the tip may be severed from a cigar, one match delivered, and an alarm sounded all in one operation; and a further object of my invention is to so construct the apparatus that it will be extremely simple, and therefore may be manufactured at a comparatively small cost, while at the same time being ornamental, efficient, and durable.

With these ends in view this invention consists in the details of construction and combination of elements hereinafter set forth and then specifically designated by the claim.

In order that those skilled in the art to which this invention appertains may understand how to make and use the same, the construction and operation will now be described in detail, referring to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a perspective view of my improved machine; Fig. 2, a vertical section through the same, showing the operating parts in their normal position, the cover being unlocked and in position to be removed; Fig. 3, a similar view to Fig. 1, showing the cover locked in place and the operative parts in their actuated position; Fig. 4, a front elevation of the dog which actuates the alarm.

A represents the casing of the machine, which is adapted to rest and be removably secured to the base B. Said casing is secured to the base by means of an inturned lip A′, formed at the lower end of the front of the case and adapted to slip underneath a clip B′, secured to the base. Upon the exterior of the rear wall of the case is arranged a sliding strip C. This strip is provided with slots C′, formed through the same, through which screws C^2 extend into the back of the casing. The lower end of the strip C is turned outward at right angles and provided with an opening C^3, through which is adapted to protrude a staple B^2, secured to the base B. When the strip is in its lowest position, as shown in Fig. 3, then by passing the shackle of a lock D through the staple the casing is locked to the base.

The casing A is open at the upper end and adapted to be covered by a removable transparent plate E. The forward edge of this plate is adapted to rest within a channel of a channeled bar F, which bar is secured rigidly to the casing. The rearward edge of the plate E is adapted to normally rest within the channel of a channeled bar G, said channel-bar being secured at each end to the side plates H, which side plates are secured to the sliding strip C, as also is the match-receiver I. The sides of the plate E rest upon the incline edges of the sides of the casing, and to remove the plate it is only necessary to raise the sliding strip C, and this will raise the channel-bar G vertically, and thus increase the distance between the channeled bars G and F sufficiently to allow the plate E to be removed. Thus the cover or plate E is locked in place at the same time as the casing A is locked to the base. Below the plate E is a match-receptacle J, the bottom J′ of which is inclined toward the rear of the machine to cause the matches to roll toward that end.

K is the delivery-slide adapted to slide vertically between the rear wall of the casing and the guide L, extending downward from the bottom J′ of the match-receptacle. The upper end of the delivery-slide K is beveled, so as to incline toward the rear wall of the casing, thus forming a pocket in which a match may lodge, and when the delivery-slide is raised by the means to be hereinafter described the upper or beveled edge of the delivery-slide will come above the upper edge of the strip C and the match will roll downward into the match-receiver I, as shown in Fig. 3, and as the delivery-slide is lowered to its normal position, so that the upper edge is below or even with the bottom J′ of the match-receptacle,

the matches will roll downward against the rear wall of the casing, and thus one or more matches will be above the delivery-slide ready for the next delivery. A space is left between the channeled bar G and the rear wall of the casing for the delivery-slide to protrude through from below.

The machine is operated by means of a finger-lever M, extending outward from the front of the machine, and this finger-lever is secured to a shaft N, journaled in the casing, and from this shaft N extends an arm D, having a roller O′ upon its outer end, which roller contacts the under side of a bar P, extending outward from the delivery-slide K. Thus when the finger-lever M is depressed the delivery-slide will be raised, and the weight of the delivery-slide and the parts connected to the same will serve to return the parts to their normal position when pressure upon the finger-lever M is released.

Q is an opening formed through the side of the casing. R is a knife-blade secured to the shaft N, adapted to cross said opening Q upon the inside of the casing and in close contact therewith. Thus if a cigar-tip is inserted through the opening Q the knife R will sever the same from the cigar.

In machines of this description it is advantageous to have the machine sound an alarm each time it is operated. Thus the machine cannot be emptied without sounding the alarm as many times as there are matches removed, thus notifying the attendant in the store that the machine is being misused. Of course a number of ways could be devised for sounding this alarm each time the lever M is depressed; but the manner shown in the drawings consists of securing a spring S to the casing at the lower end, the upper end of the spring being provided with a clapper S′, arranged in juxtaposition to the bell T. Secured to the spring S intermediate of its two ends is a projection S′, the upper end of said projection being abrupt and horizontal, and then the projection inclines downward toward the spring to form an incline surface.

U is a dog pivoted to the outer end of the bar P, and this dog is prevented from rocking downward by means of the stop P′ engaging a lug U′ formed with the dog. This dog is adapted to travel close to the spring S, and as the arm P is raised the dog U coming in contact with the inclined surface of the projection S′ will press the spring S backward, and after the dog has passed the projection the spring will fly back and sound an alarm upon the bell T. In returning, the dog U in striking the abrupt upper surface of the projection S′ will rock upward until it has passed the projection and then return to its normal position by gravity.

V is a roughened plate extending outward from the front end of the machine, upon which matches may be scratched.

Of course I do not wish to be limited to the exact construction here shown, as slight modifications could be made without departing from the spirit of my invention.

Having thus fully described my invention, what I claim as new and useful is—

In a device of the character described, a casing, a base, an inturned lip formed at the lower end of the front of the casing, a clip secured to the base adapted to receive the inturned lip, a vertically-sliding strip secured to the rear of the casing, means for locking said strip to the base when the strip is in its lowest position, the casing being open at its upper end, a transparent plate adapted to normally close the upper end, except for a slot through which the delivery-slide is adapted to protrude, a channeled bar at the forward end of the machine into which the forward edge of the plate is adapted to fit, a channeled bar in which the rearward end of the plate is adapted to rest, said channeled bar secured to the sliding strip, the distance between the channeled bars adapted to be increased when the strip is raised to allow the removal of the transparent plate, a match-receptacle located directly below the transparent cover, the bottom of said match-receptacle inclining toward the rearward wall, a delivery-slide adapted to slide in contact with the rearward wall, the upper edge of said delivery-slide being beveled or inclined toward the rearward wall to form a pocket for one match, said delivery-slide when operated adapted to extend upward above the rearward wall, a match-receiver for receiving the match after being delivered, a finger-lever for operating the machine, a shaft adapted to be rocked by said finger-lever, an arm extending from said shaft and engaging the delivery-slide for raising the same, the casing provided with an opening formed therethrough through which the cigar-tip may be inserted, a knife secured to the shaft and adapted to cross said opening when the shaft is rocked, and an alarm adapted to be sounded each time the finger-lever is depressed, as and for the purpose specified.

In testimony whereof I have hereunto affixed my signature in the presence of two subscribing witnesses.

OTTO JAEGER.

Witnesses:
JAS. F. HASNEY,
DANIEL A. MOONNY.