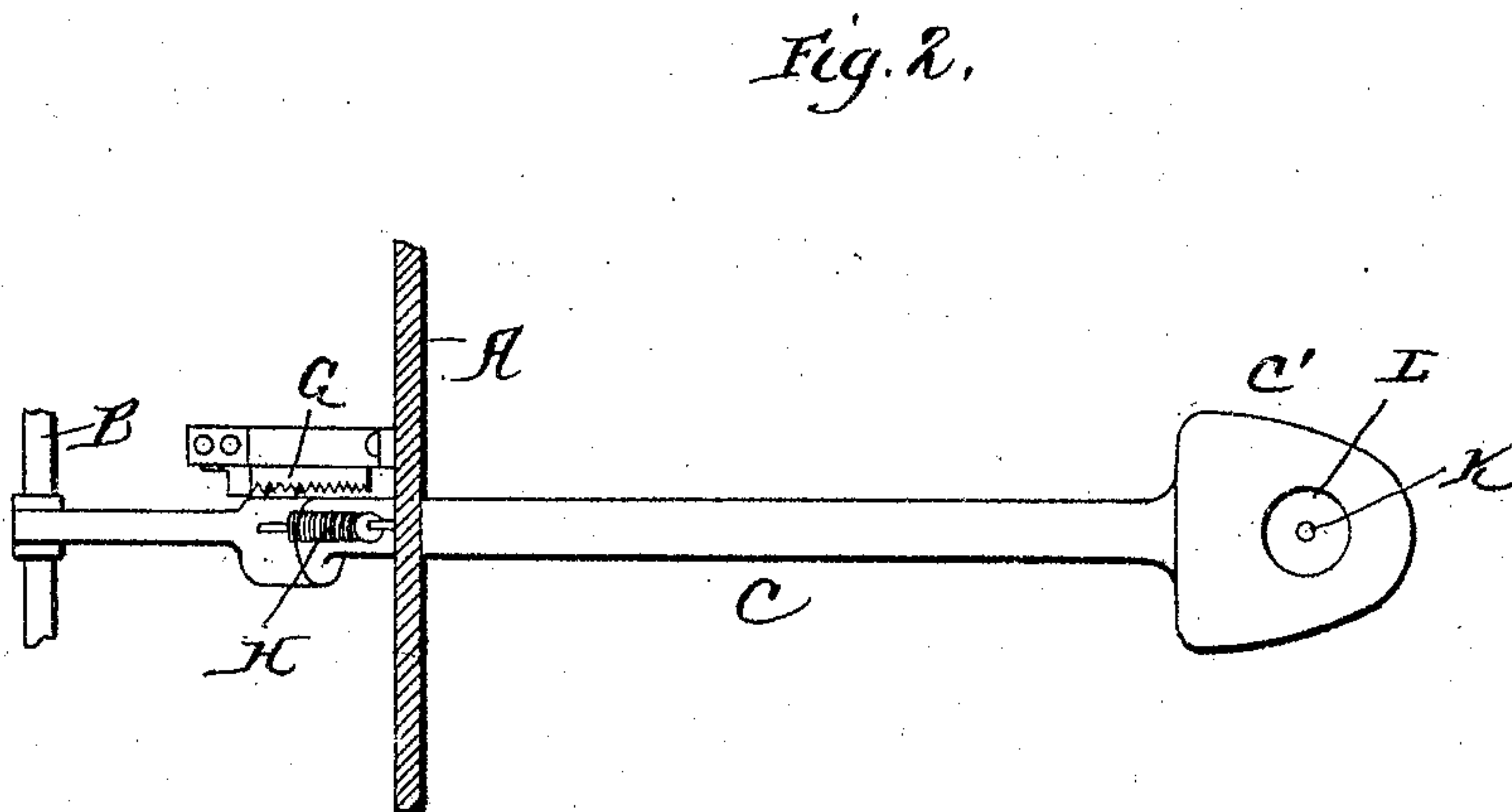
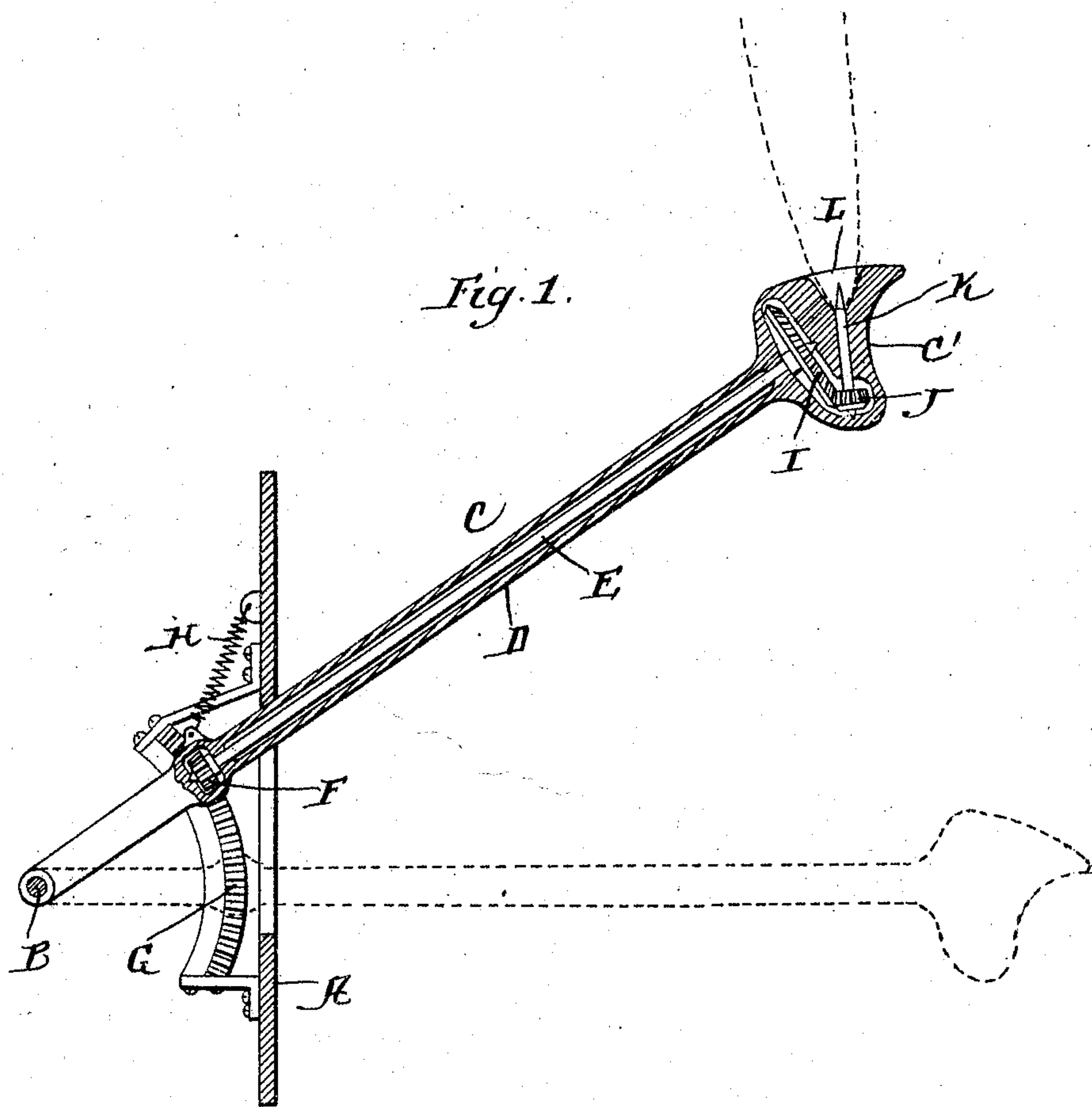


No. 790,136.

PATENTED MAY 16, 1905.

O. JAEGER.
CIGAR REAMER OR DRILL.
APPLICATION FILED DEC. 2, 1904.



Witnesses:

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UNITED STATES PATENT OFFICE.

OTTO JAEGER, OF PHILADELPHIA, PENNSYLVANIA.

CIGAR REAMER OR DRILL.

SPECIFICATION forming part of Letters Patent No. 790,136, dated May 16, 1905.

Application filed December 2, 1904. Serial No. 235,209.

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 Reamers or Drills, of which the following is a specification.

My invention relates to a new and useful improvement in a cigar reamer or drill, and has for its object to provide a device which will ream or drill a hole in the head of a cigar so as to cause the same to draw, said reaming or drilling operation being accomplished by simply inserting the head of the cigar in a cavity in the end of a lever and pressing downward.

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 claims.

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 longitudinal section through my improved device; Fig. 2, a plan view of the same.

A represents a portion of the casing to which my improved device is attached.

B is a shaft journaled within the casing, to which the inner end of the lever C is secured. The lever C is formed tubular a portion of its length, as represented at D, and through this tubular portion extends a shaft E. Secured to the inner end of the shaft E is a spur-gear F, which is in mesh with a rack G, secured to the casing A, said rack G being formed concentric with the shaft B. The lever C extends outward through a slot formed in the casing and is normally held upward in its inclined position, as shown in full lines in Fig. 1, by means of a spring H, one end of which is secured to the lever C and the other end to the casing A. Thus when the lever C is depressed against the tension of the spring the shaft E will be revolved by means of the spur-gear F meshing with the rack G. At the outer

end of the lever C is formed a housing C', which contains a beveled gear I, secured to the outer end of the shaft E, this beveled gear meshing with a small beveled gear J, to which is attached the reamer or drill K, which extends upward into the cavity L formed in the upper end of the housing C'. Thus when the lever C is depressed and the shaft E revolved, as formerly described, the gear-wheel I will transmit rotary motion to the drill or reamer K, and therefore by placing the head of a cigar into the cavity L and pressing downward the drill or reamer K will drill or ream an opening into the head of the cigar, and when the cigar is raised and the pressure thus released the lever C will be returned to its normal position by the spring H. Of course the drill or reamer K may be revolved in any manner desired; but the driving mechanism must be actuated by the depressing of the lever C, and therefore I do not wish to be limited to this form of driving mechanism, as any desired driving mechanism could be used which would be operated upon depression of the lever, and I also do not wish to be confined to the spring for returning the lever to its normal position, as a weight or other means could be utilized to accomplish this object.

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—

1. In a device of the character described, a lever pivoted at one end, a cavity formed in the outer end of the lever, a drill or reamer point protruding into said cavity, means for rotating said drill as the lever is depressed, and means for returning the lever to its normal position when the pressure is released, as specified.

2. In a device of the character described, a lever pivoted at one end, a drill or reamer point journaled in the outer end of the lever, a cavity formed in the outer end of the lever of such a shape as to fit the head of a cigar, the drill or reamer point extending into said cavity so that when a cigar is inserted in the cavity the drill or reamer point will extend

parallel with the longitudinal axis of the cigar, means for revolving said drill or reamer when the lever is depressed, and means for returning the lever to its normal position
5 when the pressure is released, as specified.

3. In a device of the character described, a casing, a lever protruding outward from the casing through a slot formed in the same, a shaft journaled in the casing to which the inner end of the lever is secured, a shaft running parallel with the lever, a spur-gear formed upon the inner end of said shaft, a stationary rack formed concentric with the pivotal point of the lever with which the spur-gear meshes, a beveled gear-wheel secured to
10 the outer end of the lever-shaft, a beveled

gear in mesh with this outer beveled gear, a drill-point or reamer journaled in the outer end of the lever and adapted to be revolved by the beveled gears, a cavity formed in the outer end of the lever into which the drill-point or reamer extends, and means for returning the lever to its normal position after the same has been depressed and the pressure released, as specified.
20 25

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

OTTO JAEGER.

Witnesses:

HENRY McDONNELL,
DANIEL MOONEY.