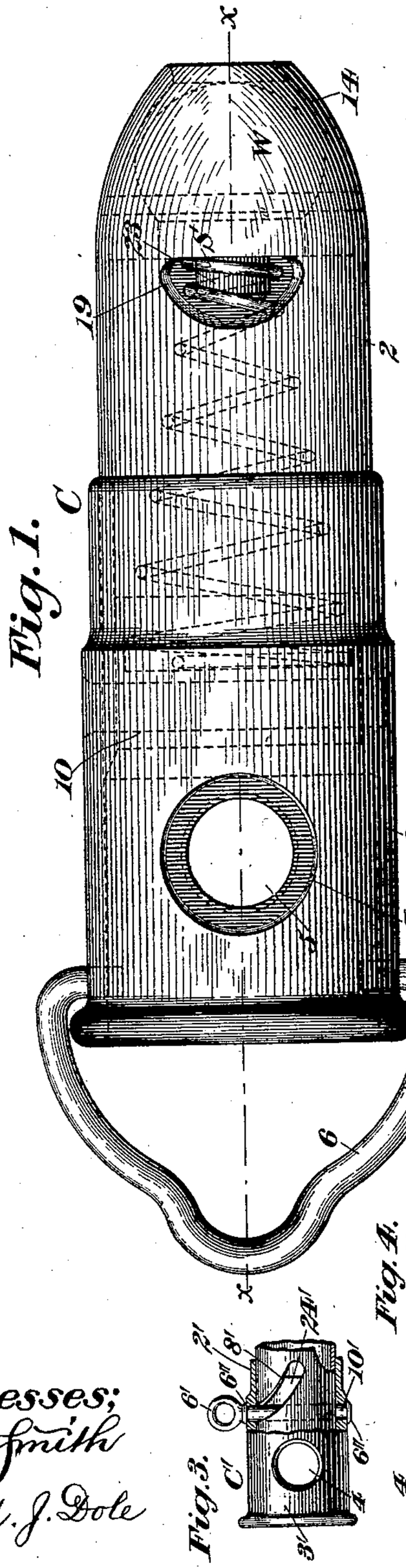
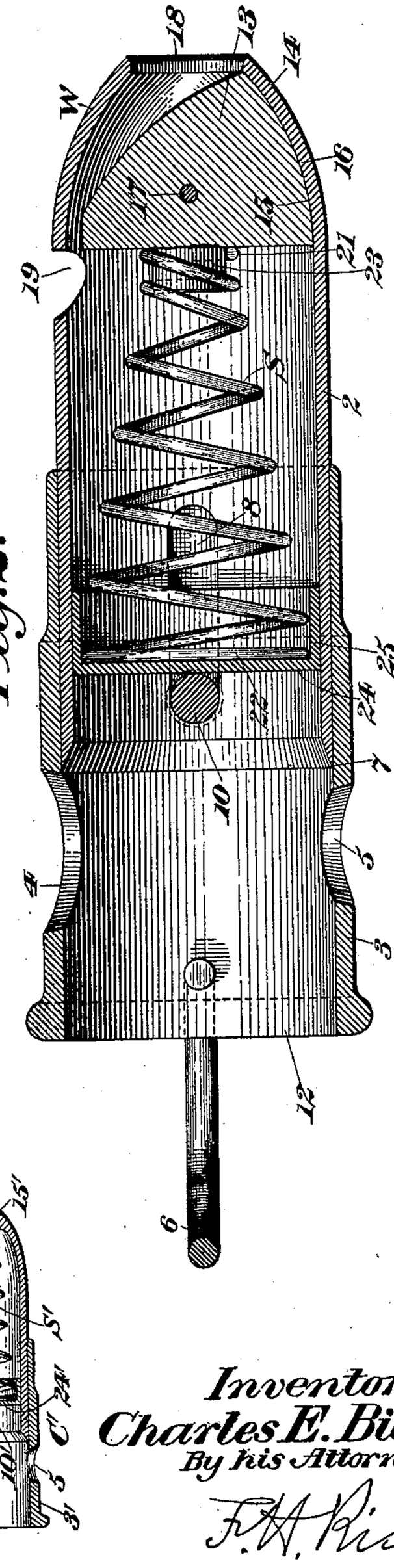
(No Model.)

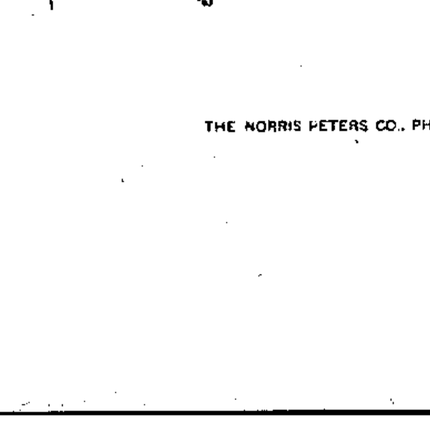
C. E. BILLINGS.

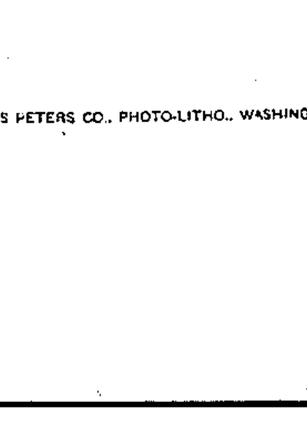
CIGAR TIP CUTTER.

No. 589,405. Patented Sept. 7, 1897.









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UNITED STATES PATENT OFFICE.

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CIGAR-TIP CUTTER.

SPECIFICATION forming part of Letters Patent No. 589,405, dated September 7, 1897.

Application filed March 29, 1897. Serial No. 629,672. (No model.)

To all whom it may concern:

Be it known that I, CHARLES E. BILLINGS, a citizen of the United States, residing in Hartford, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Cigar-Tip Cutters, of which the following is a specification.

This invention relates to improvements in cigar-tip cutters, the main object being to provide a simple and inexpensive device of this character which can be worn as a watch-charm or carried in a pocket, so as to be readily accessible for use, and to furnish in conjunction therewith a whistle which may be employed as a signal for cars and similar purposes.

In the drawings accompanying and forming part of this specification, Figure 1 is an elevation of my improved cigar-tip cutter; and Fig. 2 is a longitudinal central section taken in line *x x*, Fig. 1, both of said views being on an exaggerated scale. Fig. 3 is a sectional elevation of a fragment of the device, showing one modification thereof; and Fig. 4 is a longitudinal sectional view of the same.

Similar characters designate like parts in all the figures of the drawings.

My improved cigar-tip cutter is designated in a general way by C, and it comprises two tubular sections or shells, one of which is slidable in the other, and is furnished with a suitable knife to cut a tip from a cigar which is introduced through a suitable aperture formed in the other section, and the device may be of any preferred or ornamental form, it being shaped in the present instance to represent a cartridge of common design.

The respective tubular sections of the device are denoted by 2 and 3, the first mentioned being slidable or reciprocatory within the other.

The external tubular section 3 is punctured, preferably at diametrically opposite sides thereof, to form the chamfered apertures 4 and 5 of different diameters to admit cigars of different sizes into the path of the reciprocatory knife. Said external section 3 has preferably secured thereto a suitable link, split ring, or equivalent device by which the cutter may be suspended from a chain, and for this purpose I have provided the spring-link 6, the free ends of which can be spread apart and sprung into suitable apertures in the external section 3.

The internal tubular section 2 at its inner end is beveled off or sharpened from the inside thereof to form a curved and preferably annular cutting edge or knife 7, said cutting edge being disposed in the plane of the inner face of the external section 3, so that when the cutter member 2 is manipulated to remove the tip from a cigar it will make a curved clean cut and will not rupture or break the cigar.

A guide of suitable nature is provided between the tubular sections 2 and 3 to prevent lateral or turning movement of the first-mentioned section when it is in action.

The internal member of the device has formed therein the longitudinal guide-slots 8 in the direction of its length and located at diametrically opposite sides thereof, the complementary section having the transverse guide-pin 10 fixed thereto, and which passes through said slots. The opposite ends of the guide-pin 10 are seated in suitable openings in the wall of the external section 3 and are headed to hold the pin in place.

To cut the tip from a cigar, the end thereof will be inserted into one or the other of the two apertures 4 and 5 and into the path of movement of the knife or cutting edge 7, and the external section 3 being preferably held pressure will be applied to the internal or cutter section 2 to advance the same, whereby the knife or cutting edge will be forced through the cigar to remove its tip, which latter can drop through the opening 12 at the extreme end of the external section 3. When the cut is made, the section 2 will be released and will be suitably retracted, as by a spring, as will hereinafter appear.

For the purpose of enhancing the usefulness of my device I preferably provide in conjunction therewith a whistle, as W, which can be utilized as a signal for cars, said whistle being of ordinary construction and being carried by the internal section 2. The tongue of the whistle is designated by 13, and it is secured within the head or reduced end 14 of the device, it having the curved surface 15, which fits against the similarly-shaped portion 16 of the cutter-section 2, said tongue being held in place by the transverse pin 17.

The head 14 of the section 2 has a mouth-hole 18 of proper size and an opening 19 for the emission of air.

The internal section 2 of the device, which is furnished with the tip-cutting knife, is preferably advanced by hand, and as a convenient means for returning said section, or until the inner short walls of guide-slots 8 and 9 abut against the transverse guide-pin 10, I employ a suitable retracting-spring, such as the coiled helical spring S, which is adapted to act against the two sections 2 and 3 or suitable stops operative therewith, and the tongue 13 of the whistle serves as one of said "stops" and will be so referred to hereinafter. The extreme coils 21 and 22, respectively, of the spring are made flat, and the first mentioned is adapted to lie against the inner flat face of the tongue 13 and to also embrace the stud 23 thereon to prevent the displacement of the spring. The other flat coil 22 of the spring is adapted to lie against the disk 24, which is situated in the cutter-section 2 and bears against the fixed transverse guide-pin or stop 10. The disk 24 is surrounded by the circular guide flange or rim 25, which is frictionally engaged by the adjacent curved face of the internal section 2, which slides thereon, the said flange serving to maintain the disk in proper position in the cutter-section 2.

In use the cigar-tip will be inserted into one or the other of the two openings 4 and 5, and the tubular external section 3 being preferably held pressure will be applied to the internal section 2 to force the same inward and the knife or cutting edge through the cigar to remove its tip, which can drop through the opening 12 in the end of the external section 3. As the cutter-section 2 is thus operated the helical spring will be compressed, so that when it is released it can be immediately returned to its normal position by the force of said retracting-spring, which acts against the tongue 13 and the disk 24, that bears against the fixed stop or guide pin 10.

In Figs. 3 and 4 of the drawings I have illustrated a modification of my device, it being designated by C', wherein the two guide-slots in the cutter-section 2' are formed obliquely therein, said slots being designated, respectively, by 8', and the transverse guide-pin on the external section 3', which passes through said slots, is designated by 10', said guide-pin having the shoulders 6'' at its ends to hold it in place. Said pin has at one end a ring 6', by which the device can be suspended from a chain.

The device represented in Figs. 3 and 4 is particularly adapted for cutting tips from green or freshly-made cigars, the guide-slots 8' in the cutter-section being obliquely formed therein and slightly curved, whereby as the cutter-section is manipulated to sever the tip from the cigar it will be caused to turn and will not strip or tear the covering from the cigar.

The helical retracting-spring, which acts against the respective sections of the device, is designated by S', and one end thereof is adapted to lie in the cup-shaped disk 24', the other end of the spring being adapted to embrace the stud 23', which extends inward from the closed end or head 15' of the cutter-section 2'.

Having described my invention, I claim—

1. A cigar-tip cutter consisting of two tubular sections one slidable in the other, the internal section being provided at its inner end with an annular cutter and having longitudinal slots in the opposite sides thereof, and the external section having an opening for the introduction of a cigar-tip; a guide-pin fixed to the opposite sides of the external section and passing through said longitudinal slots; a disk bearing against said guide-pin and having an annular flange lying against the inside face of the internal tubular section; a coiled spring one end of which bears against the disk; and a fixed stud on the internal section, embraced by the other end of the spring.

2. A cigar-tip cutter consisting of two tubular sections one slidable in the other, the internal section being provided at its inner end with an annular cutter and having longitudinal oblique slots in opposite sides thereof, and the external section having an opening for the introduction of a cigar-tip; a guide-pin fixed to the opposite sides of the external section and passing through said longitudinal slots; a disk bearing against said guide-pin and having an annular flange lying against the inside face of the internal tubular section; a coiled retracting-spring the inner coil of which acts against the disk; and a fixed stud on the internal section, embraced by the other end of the spring.

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