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J. G. HOLLINGSWORTH
CIGARETTE HOLDER AND EJECTOR

Filed May 25, 1920

Fig. 1

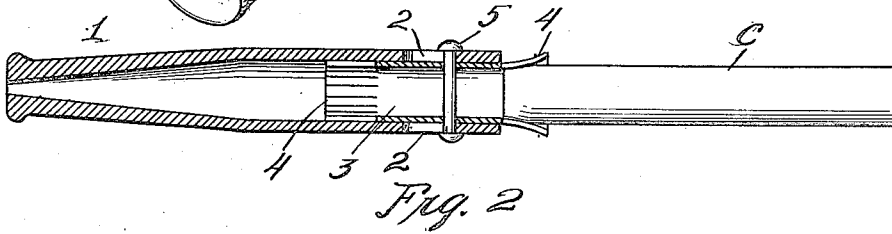
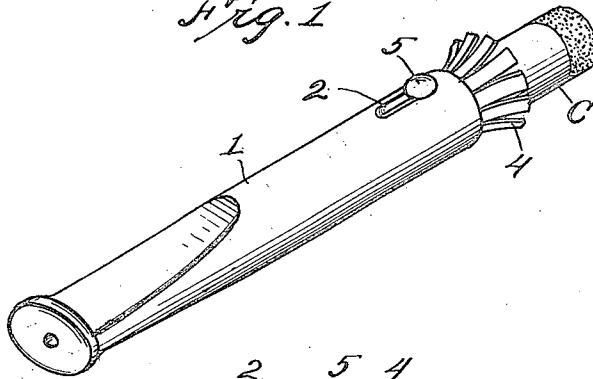


Fig. 2

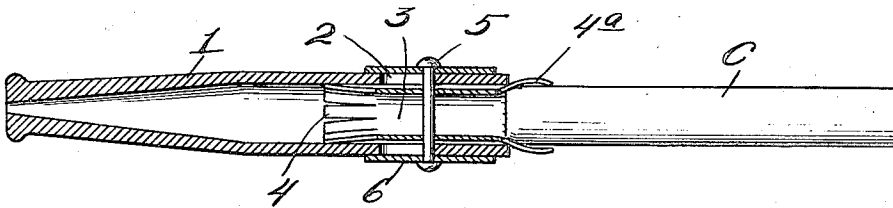


Fig. 3

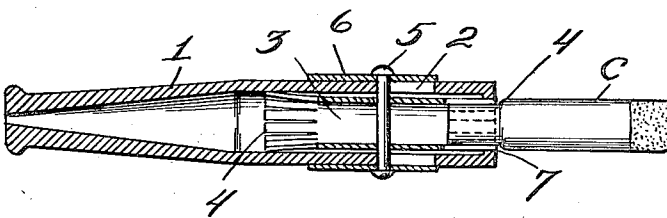


Fig. 4

Witness:

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UNITED STATES PATENT OFFICE.

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CIGARETTE HOLDER AND EJECTOR.

Application filed May 25, 1920. Serial No. 384,135.

To all whom it may concern:

Be it known that I, JEPHTHA G. HOLLINGSWORTH, a citizen of the United States, and resident of Kansas City, in the county of Jackson and State of Missouri, have invented a certain new and useful Improvement in Cigarette Holders and Ejectors, of which the following is a complete specification.

This invention relates to cigarette holders and ejectors, and more especially to that class of such devices embodying a holder proper and a slidable member for receiving the end of a cigarette when in one position and for gripping and holding the cigarette when in a different position, my object being to produce a device of this character of simple and inexpensive construction which will perform its function of holding a cigarette firmly and of releasing or ejecting the cigarette stub efficiently and reliably.

To this end the invention consists in certain novel and useful features of construction and combinations of parts as hereinafter described and claimed; and in order that it may be fully understood reference is to be had to the accompanying drawing, in which

Figure 1 is a perspective view of a combined cigarette holder and ejector embodying the invention.

Figure 2 is a central longitudinal section of the construction shown by Figure 1.

Figure 3 is a view similar to Figure 2, but showing a slightly modified form of construction.

Figure 4 is a view similar to Figure 3, but showing the cigarette in secured position, and also showing a slight modification of the construction shown by Figure 3.

In the said drawing where like reference characters identify corresponding parts in all of the figures, 1 is a cigarette holder of the customary type and of any suitable or preferred material, the only difference between this holder and the ordinary holder lying in the fact that this holder is provided with short longitudinal slots near its front end, there being two of said slots, by preference, identified by the reference character 2. 3 indicates a short tube of thin resilient material, such as metal or quill or other non-combustible material, and said tube is split at each end to provide a series of resilient fingers 4 having a tendency to flare outward, the fingers at the forward end

of the tube shown in Figure 3, being bowed outward as indicated at 4^a for a purpose hereinafter explained. The tube shown in Figures 1 and 2 is of such diameter as to fit snugly in the holder so as to form a substantially air tight connection therewith and exclude air from entering the holder through the slot 2. In Figure 3 and likewise in Figure 4, the tube is not depended upon to exclude air from entering the holder through the slot 2, other means hereinafter mentioned, being provided for this purpose. In all of the constructions, a headed pin 5 extends diametrically through the tube and through the slots 2 to provide means for effecting longitudinal adjustment of the tube, the slots limiting the extent of such adjustment. In Figure 3 and likewise in Figure 4, the cigarette C is of slightly greater diameter than the body of the tube 3 so that in the former figure inward or rearward movement imparted to the tube will cause the bowed fingers 4^a by engagement of the front end of the holder, to move inward and clamp the cigarette tightly in position, it being noted that the cigarette is fitted in the tube for about the full length of said fingers so that when the tube is drawn inward and the cigarette is clamped firmly therein, it will be impracticable for air to be drawn into the tube except endwise through the cigarette and thus insure proper burning thereof. In Figure 4, the inwardly projecting flange 7 at the front end of the holder serves the same purpose as the bowed fingers 4^a, that is to say, after the cigarette is fitted in the tube between the fingers 4 and the tube is drawn inward, the cigarette is clamped firmly in position and the fingers are closed tightly together edgewise so that suction upon the mouth piece shall insure proper draft through the cigarette.

The same action occurs in the construction shown by Figures 1 and 2, as when the tube is drawn inward to substantially the same position it occupies in Figure 4, the fingers 4 are straightened out in alinement with the body of the tube and therefore fit tightly together edgewise and exclude air from passing between them.

In all cases the tube is advanced as indicated by Figures 1 to 3 inclusive, to facilitate the insertion of the cigarette in the tube, and then pressure is applied on the

headed end of the pin to force the tube rearwardly and thus clamp the cigarette firmly in place. When the latter is smoked until the lighted end nearly reaches the holder, and it is therefore too short to be conveniently extracted by hand without breaking it or perhaps burning the fingers, the operator applies forward pressure on the headed end of the pin and thus slides the tube forward and ejects the cigarette stub because, as the fingers are freed from the front end of the holder, they spread outward and the cigarette is free to fall or be dislodged by a jerk applied to the holder.

15 In Figures 3 and 4 where the clamping tube employed is of smaller diameter than the interior of the holder, an external sleeve 6 is fitted snugly on the latter and is also engaged by the pin 5, this sleeve serving to close the slot 2 to the entrance of air and thereby insure proper draft through the cigarette. It will be understood that the split end of the tube confined always within the holder, engages the same frictionally and thus guards against accidental slippage of the tube.

From the above description it will be apparent that I have produced a device embodying the features of advantage set forth as desirable in the statement of the object of the invention, and which may be modified in further particulars without departing from the principle of construction involved

or sacrificing any of the advantages of the appended claims.

I claim:

1. A cigarette holder and ejector, comprising a tubular mouth-piece member, and a thin-walled resilient tube fitting slidingly in said member and provided with fingered ends, one of such ends to grip a cigarette and the other end to press outwardly against the inner surface of the mouth-piece.

2. A cigarette holder and ejector, comprising a tubular mouth-piece member, a thin-walled resilient tube fitting slidingly in said member and provided with fingered ends to respectively grip a cigarette and press against the inner surface of the mouth-piece to prevent accidental ejecting movement of the tube, and means exterior to the mouth-piece and connected to the tube whereby sliding movement may be imparted to said tube.

3. A cigarette holder and ejector comprising a tubular mouth-piece provided with a longitudinal slot near its front end, a thin-walled resilient tube fitting in said mouth-piece and provided with fingered ends tending to flare, a pin secured to said tube and projecting through said slot, and a band fitting around the mouth-piece and covering said slot and engaged by said pin.

In testimony whereof I hereunto affix my signature.

JEPHTHA G. HOLLINGSWORTH.

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