

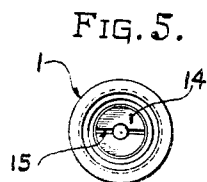
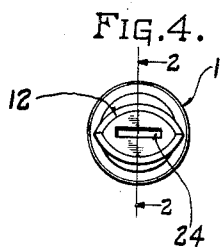
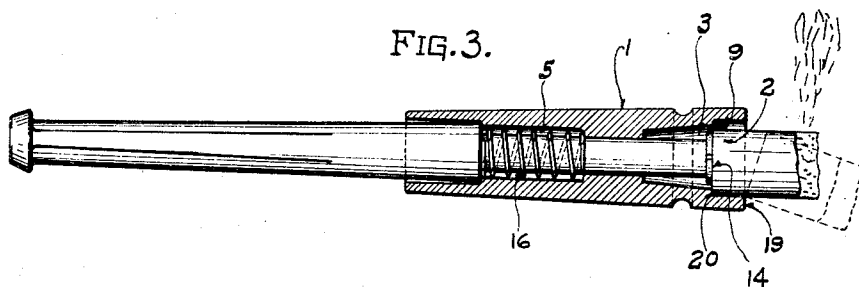
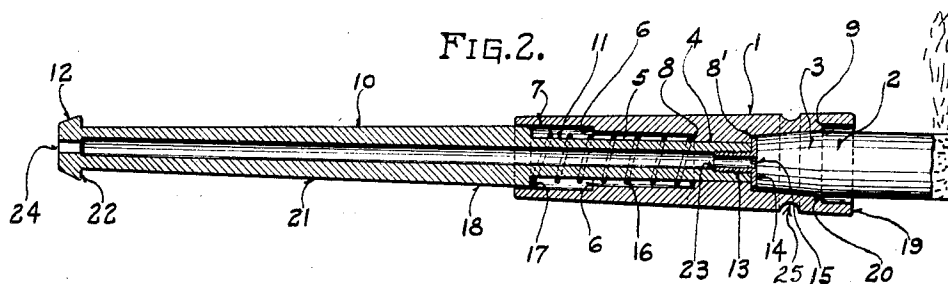
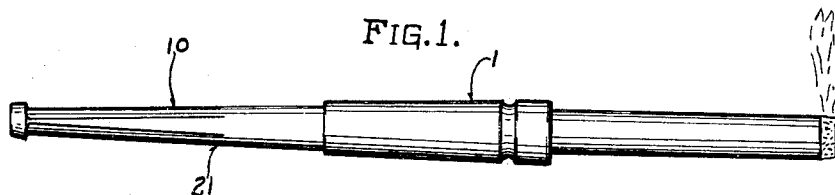
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CIGARETTE SNUFF-OUT HOLDER

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CIGARETTE SNUFF-OUT HOLDER

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4 Claims. (Cl. 131—10)

My invention relates to cigar or cigarette holders, and more particularly to such holders whereby it is not only possible to eject the butt of said cigar or cigarette substantially instantly from said holders, but said butt may be snuffed out in a plurality of ways.

It accordingly is an object of my invention to provide a novel form of cigar or cigarette holder comprising a pair of relatively movable members, one of which may be a mouth piece tube, one end of which may be positioned in the other of said members, which other member may be provided with means for holding a cigar or cigarette, there being means associated with both of said members, which, when said members are relatively moved, will cause said members to coact so that a momentum will be generated thereby to the end that the butt of said cigar or cigarette will be substantially instantly ejected from said holder.

It is also within the province of my invention to provide my novel form of holder with a means whereby the butt of a cigar or cigarette may be snuffed out in a plurality of ways, said means preferably comprising a snuff-out chamber in said holder surrounding the end of the cigar or cigarette positioned in said holder so that fire hazards caused by careless smokers will be reduced to a minimum.

A still further object of my invention is to provide a novel process or method for ejecting the butt of a cigar or cigarette from a holder which consists in generating a momentum in said holder and imparting said momentum to said butt, whereby said butt may be substantially instantly ejected from said holder.

The above and further objects and advantages of my invention, as will hereinafter more fully appear, I attain by the process and method and device described in the specification and illustrated on the drawing, forming a part of my application.

Reference is had to the accompanying drawing, in which similar reference characters denote similar parts. In the drawing,

Fig. 1 is a side-elevation view of my invention in normal extended position holding a cigar or cigarette,

Fig. 2 is a somewhat enlarged cross-sectional view, taken on the line 2—2, Fig. 4, also illustrating the parts in normal or extended position, the cigar or cigarette being shown as partly smoked,

Fig. 3 is a view similar to Fig. 2 but illustrating the parts in collapsed position, and showing the

manner in which the butt is ejected from the device,

Fig. 4 is an enlarged end view of the device looking from the left in Figs. 1—3 inclusive, and

Fig. 5 is an end view of the device depicted in Figs. 1—3 inclusive, on the same scale as Figs. 2 and 3, looking from the right in said figures, the cigar or cigarette, however, being removed.

Describing my invention more in detail, I provide a suitable holder or body 1, which may be of any preferred shape or size and may be constructed of any suitable material, such as wood, fibre, metal or the like, as in practice preferred or needed, which body may have formed therein a set of chambers in any way in practice preferred, the purpose of which will presently be described.

Positioned within that end of the body or holder 1 which receives the end of the cigar or cigarette to be held is a chamber 2, which is the snuff-out chamber, and which functions as such when the cigar or cigarette has been smoked to a butt, the smoke of the still lighted butt entering said chamber and surrounding said butt so that air circulation through said butt is no longer possible, and thus automatically causing said butt to be extinguished without any fire hazard usually caused by careless smokers.

The snuff-out chamber 2 also has other functions and advantages, it being possible to tamp the lighted butt of the cigar or cigarette therein, crushing the same, and thereby causing said butt to be extinguished in said chamber.

Moreover, the butt may be reversed, the lighted end positioned in the body or holder 1, and in said chamber, and either automatically allowed to be snuffed out by reason of the shutting off of air circulation through the butt, or said reversed butt may be tamped out in said chamber as also was just explained.

Preferably concentric with the snuff-out chamber 2 is another chamber 3, which may be tapered to facilitate the holding of the cigar or cigarette within the holder or body 1, it being noted that the outer end of said chamber 3 is of smaller diameter or size than that of the chamber 2, a shoulder or abutment 9 being thus provided which materially assists in the snuffing out of the butt as hereinbefore described.

As will be noted in Figs. 2 and 3, the body or holder 1 is provided with a reduced bore or guide 4, also preferably concentric with and in alignment with the tapered cigar or cigarette holding chamber 3, which reduced bore or guide defines

a shoulder, stop, or abutment 8' for a purpose also presently to be described.

The body or holder 1 is also provided with a chamber 5 of suitable dimensions, but preferably of a substantially longer diameter or size than the bore or guide 4, and in alignment therewith, thus defining a shoulder, abutment or stop 8, for a purpose also presently to be described; and also in alignment with the chamber 5 is still another chamber 7, of larger diameter or size than the chamber 5, thus defining a shoulder, abutment or stop 6.

The body or holder 1 has associated therewith a tubular member 10 of any preferred size, length, and constructed of any suitable material as in practice preferred, which member is adapted for relative movement with the member, body, or holder 1, said tubular member being provided with a preferably reduced portion or guide 11, adapted for sliding or reciprocating movement in the member, body or holder 1, being thus movable relatively with respect to the member, body or holder 1, a ledge, shoulder or stop 17, being thus defined on said member 10. The cored portion or through passage of the tubular number 10 is indicated by the numeral 24.

Preferably surrounding the reduced portion or guide 11 is a helical spring or resilient means 16, abutting at one end the shoulder or stop 17 and at the other end the shoulder or stop 8, said spring or resilient means being adapted to oppose the relative movement of the members 1 and 10 and for reasons more particularly to be explained.

Associated with the inner end of the reduced portion 11 in any manner in practice preferred, as, for example, by means of threads 23, is a suitable nipple or hollow screw 13, provided with a suitable head 14, which head is adapted to engage the shoulder or stop 8' when the parts of the device are in normal position as shown in Fig. 2.

If desired, the nipple or hollow screw 13, may have its head 14, equipped with a suitable kerf or slot 15, to be engaged by a suitable implement, whereby assembly and disassembly of the parts may be facilitated. (Figs. 2 and 5.)

The tubular member 10 is preferably slightly tapered, and is provided at its outer end with a mouth piece or teeth grip 12, provided with an opening 24, defining a shoulder 22 for engagement with the teeth of the user. If preferred, a substantial portion of the tubular member 10 may be of elliptical contour as indicated at 21, the balance thereof being preferably cylindrical as indicated by the reference numeral 18. If preferred, also, the body or member 1 may be provided with a finger grip 25, which may take the form of a groove or cut-out portion. (Fig. 2, more particularly.)

In operation, the various parts hereinbefore more particularly described are shown in normal position as seen in Fig. 2, the compression spring or resilient means 16 holding said parts in said position. The cigar or cigarette is then thrust into the holder or member 1, through its end or lip 19, the inner end of said cigar or cigarette being compressed into the tapered chamber 3, and lighted.

When said cigar or cigarette has been smoked to its butt, as seen in Fig. 3, and it is desired to eject same, the members 1 and 10 are moved relatively with respect to each other, either by depressing the end or lip 19 with respect to the member 10, with thumb and finger, or otherwise, or the member 10 pressed inwardly with respect

to the member 1, against the action of the spring or resilient means 16, compressing the same, as seen in Fig. 3, the reduced portion or guide 4 with its nipple 13, assuming the position shown in said figure, the reference numeral 20 indicating the outer limit or amplitude of its movement, the shoulder or stop 17 engaging the stop 6, the butt being dislodged from the chamber 3, falling by gravity to the position shown in said figure in the snuff-out chamber 2, immediately in front of the shoulder 9.

When the parts of the device are in the ejecting position as seen in Fig. 3, the member 1 is released. This gives the body or member 1 a speed of movement, caused by the action of the spring or resilient means 16, and when the head 14 comes into contact with the shoulder or abutment 8', a movement is imparted to or communicated with the butt at the shoulder or stop 9, placed there by the head 14 and gravity as just explained, thus causing the ejection of said butt as indicated by the dotted lines in Fig. 3.

Should it be desired to snuff out the butt, it may simply be allowed to remain within the snuff-out chamber 2, where the encircling smoke of the butt in said chamber shuts off circulation of air through said butt, extinguishing the same very readily.

If desired, the snuffing out may be accomplished by simply tamping and/or compressing the lighted butt within the snuff-out chamber 2, against any surface encountered in practice, crushing said butt within the snuff-out chamber 2, after which said butt may be ejected as just explained.

Further, if preferred, the butt may be reversed, positioning its lighted end within the chamber 2, whereupon it may be automatically extinguished therein, and/or by tamping and crushing, after which said extinguished butt may be ejected as desired.

It will thus be seen that I have provided a novel form of cigar or cigarette holder, simple and highly efficient in construction and operation and which is fully capable of producing the results intended.

In accordance with the provisions of the patent statutes, I have described the principle of operation of my invention together with the device and method or process which I now consider to represent the best embodiment thereof; but I desire to have it understood that the device and method shown and described are only illustrative, and that the invention can be carried out by other means and ways.

I claim as my invention:

1. In a device of the class described, a body provided with a cigarette holding chamber in combination with a butt ejection shoulder and a cylindrical snuff-out chamber of larger cross-sectional area than said holding chamber, the juncture of said holding chamber and said snuff-out chamber defining said shoulder, means positioned in said body to move a cigarette butt into said snuff-out chamber and in contact with said shoulder, the limit of movement of said means corresponding to the distance between said shoulder and said means when in extended relation, means to generate a movement of said body, said first means being adapted to stop said movement, whereby said ejection shoulder imparts said generated movement in the form of momentum to said butt to automatically eject the same.

2. In a cigarette holder a pair of relatively movable members, a holding chamber and a cylindrical

cal snuff-out chamber of larger cross-sectional area defining a shoulder therebetween, means positioned in said holding chamber to move a cigarette from said holding chamber to said snuff-out chamber and in contact with said shoulder, means positioned between said members opposing relative movement, a circular groove formed on the body of one of said members providing a finger-grip, thereby facilitating the relative movement of said members for cigarette ejection, the limit of movement of said members corresponding to the distance between said shoulder and said first means when in extended relation, whereby manual movement of one member relative to the other member will cause the cigarette to move out of the holding chamber and into the snuff-out chamber in sliding engagement with said shoulder and release of said member will cause ejection of the cigarette from the snuff-out chamber.

3. In a device of the class described, a tubular body comprising a cylindrical cigarette snuff-out chamber in conjunctional alignment with a cigarette holding chamber defining a larger chamber in front of said holding chamber providing a

shoulder therebetween, whereby said snuff-out chamber provides sufficient air-space enclosure around a cigarette butt end when smoking same to control air circulation or provide combustion control before said butt burns into said holding chamber, eliminating the charring and burning of said holding chamber when made of non-metallic material.

4. In combination, a pair of relatively movable members comprising a body and a tubular mouth-piece slidably mounted together, a cigarette holding chamber in conjunctional alignment with a cylindrical snuff-out chamber in said body, means mounted on said mouth-piece in said holding chamber to move a burning cigarette butt out of said holding chamber into said snuff-out chamber, whereby in using any resistant surface to manually crush said burning butt in said snuff-out chamber said means to move said butt out of said holding chamber co-acts with said snuff-out chamber in shutting off sufficient air circulation for further combustion, automatically extinguishing same.

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