Jan. 14, 1941. F. BURCHELL 2,228,812

CIGARETTE HOLDER

Filed May 9, 1938

Fig. 1

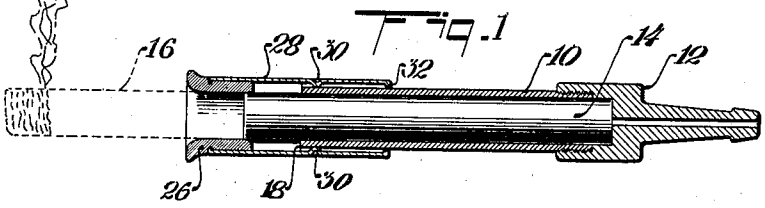


Fig. 2.

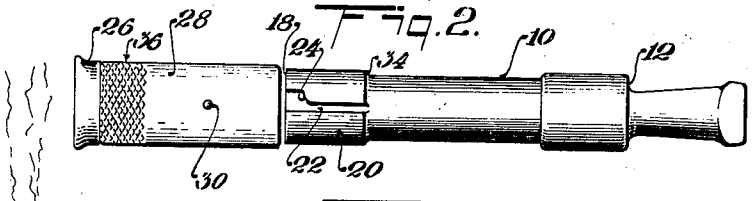


Fig. 3.

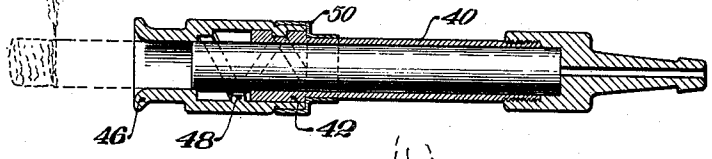


Fig. 5.

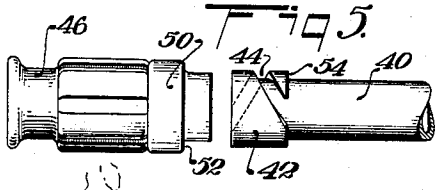


Fig. 4.

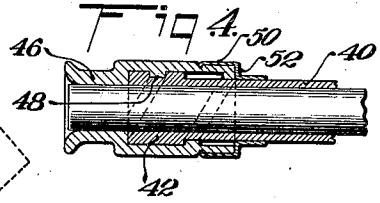


Fig. 6.

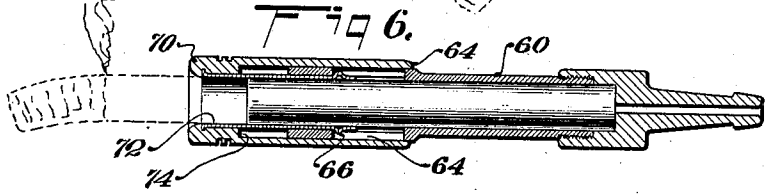
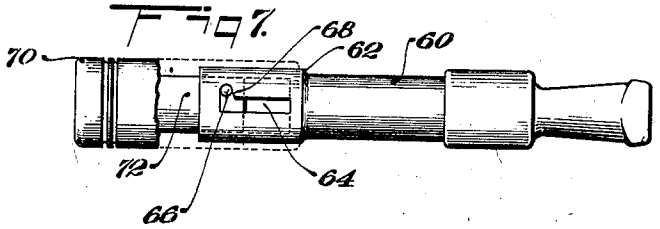


Fig. 7.



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CIGARETTE HOLDER

Fford Burchell, Port Chester, N. Y.

Application May 9, 1938, Serial No. 206,699

2 Claims. (Cl. 131—182)

This invention relates to a new and improved cigarette holder, and has for its object the provision of a device of the character described which may be readily assembled and cheaply manufactured.

An object of the invention is to provide a cigarette holder adapted to receive a filter element, such for example as a cigarette or filter cartridge, through which smoke from the burning cigarette carried by the holder must be drawn.

A still further object of the invention is to provide a device of the character described wherein means are provided for readily ejecting the stub or butt portion of the smoked cigarette.

Other objects of the invention are the provision of such means whereby the filter cartridge acts as the plunger for ejecting the smoked cigarette, and whereby ejection may be secured by a half turn or rotation through a relatively slight angle of one portion of the holder with respect to the remainder of the holder, accompanied by relative movement along the axis of the holder of the end portion thereof with respect to the main body thereof.

Other objects of the invention will in part be obvious and will in part appear hereinafter.

The invention accordingly comprises an article of manufacture possessing the features, properties, and the relation of elements which will be exemplified in the article hereinafter described and the scope of the application of which will be indicated in the claims.

For a fuller understanding of the nature and objects of the invention, reference should be had to the following detailed description, taken in connection with the accompanying drawing, in which:

Figure 1 is a view partly in section of a device embodying one form of the invention;

Fig. 2 is a view in elevation of the device shown in Fig. 1 with elements thereof separated for clarity;

Fig. 3 is a view similar to Fig. 1 of a modified form of the invention;

Fig. 4 is a view similar to Fig. 3 of the structure shown in Fig. 3 with elements in different position, and with portions broken away;

Fig. 5 is a view similar to Fig. 2 of the device shown in Figs. 3 and 4;

Fig. 6 is a view similar to Fig. 1 of a still further modification of the invention; and

Fig. 7 is a view in elevation of the device shown in Fig. 6 with a portion broken away.

There has heretofore been on the market a cigarette holder of a type employing an unused cigarette, or similar element, as a filter positioned between the mouthpiece of the holder and that portion thereof adapted to receive a cigarette to be ignited. Holders of this type have been generally of the form shown in Fig. 1, and have comprised a main cylindrical body portion 10 and a detachable mouthpiece 12. The body portion has been of a shape and size adapted to receive and hold snugly, against motion relative thereto, a cigarette 14 or filter cartridge of the same general shape and size as a cigarette. In these holders the body portion has extended beyond the forward end of the cigarette and has formed a cylindrical aperture for the reception of a second cigarette 16 which has been inserted in the holder in abutting relationship with the filter cigarette 14.

In such devices, when the cigarette 16 has been almost completely consumed, there remains a butt or stub which is frequently difficult to remove. This invention contemplates the provision of means for the ready ejection of the butt or stub of the smoked cigarette from the holder.

In one form of the invention, as shown in Figs. 1 and 2, the body portion of the holder 10 may terminate, as at 18, short of the end of the filter cartridge 14. This portion of the element 10 may, as is shown clearly in Fig. 2, comprise a thickened wall 20 provided with a slot 22 forming a cam surface 24. It is to be understood that the portion 20 may be provided with a plurality of such slots and cam surfaces, if desired.

The cigarette to be smoked, 16, is held in a suitably shaped element 26, to which there may be affixed an extending sleeve 28 provided with lugs or detents 30 adapted to engage the slots 22 on the surface of the element 10. The sleeve 28 may be inwardly crimped, as at 32, and this crimped portion may be adapted to engage the abutment 34 formed by the thickened portion 20 of the element 10.

When the element 26 and its extending sleeve 28 are in position about the end of the element 11, as shown for example in Fig. 1, the detents 30, sliding in the grooves 22, permit movement of the element 26 axially along the element 10. The extent of movement inwardly is controlled by the space between the inner edge of the element 26 and the outer edge of the element 10, for these elements are adapted to abut as the element 26 is moved to the right in Fig. 1. Relative motion in the other direction is controlled by the action of the crimped edge 32 of the sleeve 28 abutting against the shoulder 34. The element 28 may be frictionally held in the position shown in Fig. 1, i. e., in a position adapted to receive a cigarette 16, by rotating the element with respect to the element 10 so as to cause the detents 30 to engage the cam surfaces 24, whereby a jamming action may be effected between the detents and the cam surfaces and the crimped portion 32 and the shoulder 34.

If the elements 10, 12 and 26 are formed of a molded plastic material, and the element 28 is formed of metal, the element 28 may be crimped

into engagement with the element **26** and the edge **32** may be crimped as shown in Fig. 1 after the elements have been assembled.

It will be apparent from a description of the device that when a cigarette has been smoked and the user desires to eject the butt, the element **28** may be grasped, as for example by the knurled portion **36**, and rotated until the detents **30** lie in the grooves **22**. The element **26** may then be forced inwardly, i.e., to the right in Figs. 1 and 2, and the filter **14** will serve as a plunger to eject the stub of the smoked cigarette.

A modified form of the invention is shown in Figs. 3, 4 and 5. In this form of the invention the main body portion **40** of the holder, i. e., the portion adapted to contain the filter cartridge, may be formed at its outer end with a grooved protrusion **42**, the groove **44** taking the form of a relatively sharply pitched spiral. The element **46** adapted to hold the cigarette to be smoked may be provided with an internal thread **48** adapted to seat in the groove **42** and, where the element **46** is made of a molded plastic material, the thread may be molded integrally therewith. An encircling clip **50** adapted to be crimped on to the element **46** may be provided so as to provide an abutment portion **52** adapted to engage the surface **54** of the protrusion **42** and thus prevent the element **46** from being detached from the element **40**. With such a construction, the element **46** is free to move between the position shown in Fig. 3 and the position shown in Fig. 4, and this motion may be accomplished by a rotary motion of the element **46** with reference to the element **40**. In the position shown in Fig. 3, the holder is adapted to receive and hold a cigarette to be smoked, while in the position shown in Fig. 4, the stub of such cigarette will be ejected from the holder by the action of the filter cartridge.

A still further modification of the invention is shown in Figs. 6 and 7. In this form of the invention, the butt portion of the holder **60** may be formed, as shown in Fig. 7, with a protrusion **62** near its outer end, and this protrusion may be slotted, as at **64**, for the reception of a lug or detent **66** in the manner hereinafter to be described. The slot **64** may be so shaped as to provide a cam surface **68** against which the detent **66** may bear. The portion of the device adapted to hold the cigarette to be consumed, i. e., the element **70**, may be adapted to completely surround the element **60** and the protrusion **62** at the outer end thereof. The element **70** may be provided with an internal sleeve **72**, which may be of metal and may be snapped into place, as shown in Fig. 6. This sleeve may in turn carry one or more lugs or detents **66** adapted to engage the groove or grooves **64** in the manner heretofore described.

It will be apparent that the device, when in the position shown in Fig. 6, is adapted to receive and hold a cigarette to be smoked, and that the stub or butt thereof may be ejected from the device by a rotary motion of the element **70** with respect to the element **60**, and then a motion toward the right of the element **70**, as soon as the detents **66** have entered the grooves **64**. In this form of the device, the extent of relative motion of the element **70** with respect to the element **60** is controlled by the abutment of the detents **66** against the outer wall of the slot **64** and in the other direction the abutment of the surface **74** of the element **70** against the outer edge of the element **60**.

The forms of the device described may be readily manufactured and assembled at little cost. While Bakelite or other molded plastic material has been specified as the preferred material for use in the formation of the device, with added metallic sleeves, it is to be understood that other materials may be employed. The device may be made of horn or bone or wood, or any suitable material.

It will also be understood that if an unused cigarette is not employed as the filter cartridge **14**, but if in lieu thereof some other form of filter cartridge is employed, the form of the device may be modified so as to adapt it for use in the manner heretofore described with such modified form of filter cartridge.

Since certain changes may be made in the above article and different embodiments of the invention could be made without departing from the scope thereof, it is intended that all matter contained in the above description or shown in the accompanying drawing shall be interpreted as illustrative and not in a limiting sense.

It is also to be understood that the following claims are intended to cover all of the generic and specific features of the invention herein described, and all statements of the scope of the invention which, as a matter of language, might be said to fall therebetween.

Having described my invention, what I claim as new and desire to secure by Letters Patent is:

1. In a cigarette holder of the character described, in combination, a mouthpiece, a body element providing a chamber for the reception of a filter cartridge, an element shaped and positioned to hold a cigarette, said last-mentioned element being slidably mounted in engagement with said body element, one of said elements other than said mouthpiece being provided with a surface and with means forming a groove and the other of said elements being provided with projecting means adapted to engage said groove and provided with a surface, said surfaces being in contact when said holder is arranged to retain a cigarette, and said surfaces and said projecting means being positioned to exert a tension on said cigarette-holding element between said surface thereof and said projecting means thereof whereby said cigarette-holding element positively grips said body element.

2. In a cigarette holder of the character described, in combination, a mouthpiece, a body element providing a chamber for the reception of a filter cartridge, and an element shaped and positioned to hold a cigarette, said last-mentioned element being slidably mounted in engagement with said body element, one of said elements other than said mouthpiece being provided with means forming a groove, and the other of said elements being provided with projecting means adapted to engage said groove, said groove comprising a portion substantially parallel to the axis of said body element and a portion forming a cam surface at an angle to said first-mentioned portion, said cigarette-holding element having an annular surface, said body element having an annular surface positioned between said projecting means and the annular surface on said cigarette-holding element, said surface of the cigarette-holding element seating down over and against said surface of said body element when said holder is retaining a cigarette whereby said cigarette-holding element is under tension between its projecting means and its annular surface whereby the cigarette-holding element positively grips the body element.

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