Sept. 4, 1956 A. L. M. PIRRONE 2,761,456

CIGARETTE HOLDER, PROTECTING SHIELD AND AUTOMATIC LIGHTER

Filed Sept. 14, 1951

Fig. 1.

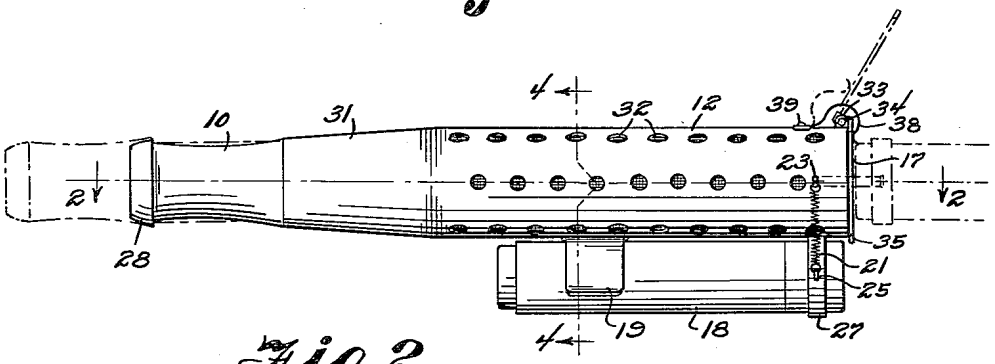


Fig. 2.

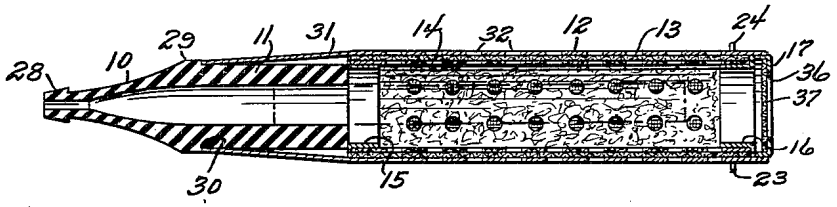


Fig. 3.

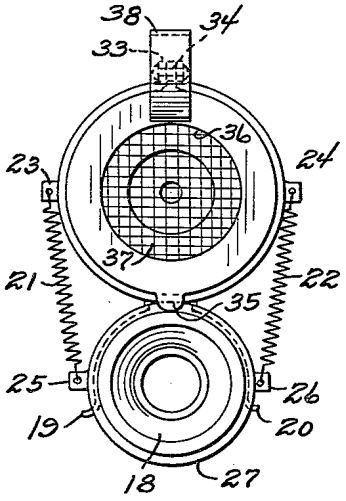


Fig. 4.

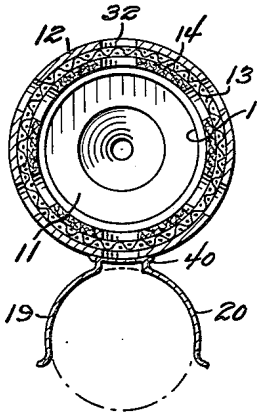


Fig. 5.

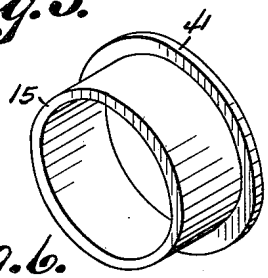
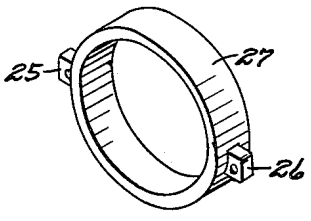


Fig. 6.



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CIGARETTE HOLDER, PROTECTING SHIELD AND AUTOMATIC LIGHTER

Anthony L. M. Pirrone, New Kensington, Pa.

Application September 14, 1951, Serial No. 246,610

2 Claims. (Cl. 131—175)

This invention relates to cigarette holders of the safety type wherein wire mesh or perforated cages are provided around burning ends of cigarettes to prevent damage caused by sparks flying from cigarettes, and in particular this invention relates to a perforated cylindrical shell having inner linings of asbestos and wire mesh with a telescoping mouthpiece extended from one end, a hinged cap positioned on the opposite end, and with a lighter suspended by spring clips on the under side.

The purpose of this invention is to provide an improved cigarette holder and safety shield combination in which the device is readily adjustable to accommodate cigarettes of different sizes and in which a lighter suspended by spring clips from a barrel or shell may readily be actuated to a lighting position.

Various types of safety cigarette holders and cases have been provided to prevent sparks flying from cigarettes in dust, ammunition, and other explosive type of plants but it has been found difficult to incorporate the safety elements in a cigarette holder without making the device too cumbersome, or heavy for universal use. With this throught in mind this invention contemplates a mouthpiece having an elongated cylindrical section by which the mouthpiece is adjustably mounted in one end of a perforated cylindrical shell, a hinged closure for the outer end of the shell, and means for mounting the lighter on the shell whereby the lighter is readily adjustable to a position adapted to light a cigarette in the shell.

The object of this invention is, therefore, to provide means for forming a spark arresting cage whereby the cage may be adjustably mounted on a mouthpiece in which sparks from cigarettes positioned therein are positively arrested.

Another object of the invention is to provide a safety cigarette holder in which the parts are comparatively small so that the device may readily be supported by a mouthpiece positioned between the teeth of a smoker.

A further object of the invention is to provide an improved safety cigarette holder in which the parts are of a comparatively light weight and which is of a simple and economical construction.

With these and other objects and advantages in view the invention embodies an elongated tubular shell having asbestos and wire mesh cylindrical linings, with the linings secured in position by flanged ferrules, with a closure cap having an opening therethrough covered with wire mesh positioned on the outer end of the shell, and with a lighter suspended by spring clips on the under side of the shell and mounted whereby the supporting means permits the lighter to be turned around to a lighting position against the end of the shell.

Other features and advantages of the invention will appear from the following description taken in connection with the drawings wherein:

Figure 1 is a side elevational view showing the improved cigarette holder and automatic lighter.

Figure 2 is a longitudinal section through the holder and projecting shield taken on line 2—2 of Figure 1.

Figure 3 is an end elevational view on an enlarged scale looking toward the outer end of the device.

Figure 4 is a cross section through the lighter taken on line 4—4 of Figure 1.

Figure 5 is a detail illustrating one of the ferrules in the end of the shell for retaining the wire mesh and asbestos in position therein.

Figure 6 is a detail illustrating a collar positioned around the outer end of a lighter suspended from the shell and having lugs for connecting resilient means for suspending the lighter therefrom.

Referring now to the drawings wherein like reference characters denote corresponding parts the improved cigarette holder, protecting shield, and automatic lighter of this invention includes a mouthpiece 10 having an elongated cylindrical section 11 extended therefrom, an outer perforated cylindrical shell 12, a wire mesh lining 13, an inner asbestos lining 14, ferrules 15 and 16 for securing the ends of the lining in the shell, a hinged cap 17, and an automatic lighter 18 of any well-known type. The lighter is suspended from the lower surface of the shell 12 by spring clips 19 and 20, at one end and by springs 21 and 22, which are connected to lugs 23 and 24, on the sides of the shell 12, and to ears 25 and 26, on a ring 27, positioned around the outer end of the lighter.

The mouthpiece 10 is formed with a tip 28 and a ridge 29 spaced from the tip provides a shoulder 30 against which the inner end of a tapering section 31 of the outer shell 12 is positioned with the tip or mouthpiece extended inwardly in the shell, as shown in Figure 2.

The shell 12 is provided with perforations 32, which may be round, as shown, or of any suitable shape. The outer end of the shell is provided with projections 33 in which the cover 17 is hinged by a pin 34. The opposite edge of the cover is provided with a tab 35 to facilitate opening the cover and the intermediate part of the cover is provided with an opening 36 in which wire mesh 37 is positioned. The cover is resiliently held close by a spring 38 that is secured to the shell by a rivet 39 and that extends over the hinge formed by the pin 34, as shown in Figure 1.

The spring clips 19 and 20 are secured to the under surface of the shell 12, by welding, or other suitable means, as shown at the point 40 and with the lighter 18 snapped between the clips 19 and 20 the springs 21 and 22, extend downwardly, as illustrated in Figures 1 and 3 whereby the outer end of the lighter is resiliently held against the under surface of the shell.

When it is desired to use the lighter the inner end thereof is snapped from the clips 19 and 20 and the lighter is turned to the position indicated by the dot and dash lines in Figure 1 or to a suitable intermediate position from which, with the cover 17 open, as indicated by the dot and dash lines in Figure 1, a cigarette in the shell may readily be lighted.

The ferrules 15 and 16 are provided with flanges as indicated by the numeral 41 and with the wire mesh and asbestos lining positioned on the ferrules the parts are retained in assembled relation by the flanges 41, as illustrated in Figure 2.

It will be understood that springs or a spring clip may be used on the outer end of the lighter or the outer end of the lighter may be resiliently attached to the outer end of the shell by spring clips similar to the clips 19 and 20 or by other suitable means.

It will be understood that modifications may be made in the design and arrangement of the parts without departing from the spirit of the invention.

What is claimed is:

1. A cigarette holder and protector comprising a

mouthpiece having an extended integral cylindrical section, a perforated substantially cylindrical shell having a conical inner end with one end slidably mounted on and extended from the mouthpiece, a closure cap hinged to the outer end of the shell, spring clips extending downwardly from the shell for holding the inner end of a lighter, and a pair of springs yieldably connecting diametrically opposite sides of the outer end of the lighter to corresponding sides of the shell, whereby the lighter may be detached from the spring clips on the shell, rotated through 180° and held against the outer end of the shell by said springs when said cap is hinged open to facilitate lighting of a cigarette held within the shell.

2. A cigarette holder and protector comprising a mouthpiece having a coliar and an integral elongated cylindrical section of smaller diameter, a perforated substantially cylindrical shell having a conically tapered inner end slidably fitted on said cylindrical section for adjusting the length of said holder, said collar serving as a limit stop for the end of said inner end, a perforated asbestos cylindrical tube extending substantially the entire length within said shell, a wire mesh cylindrical lining closely surrounding and completely encircling said asbestos shell, a pair of rings telescopically fitted within said shell and securing the ends of said asbestos tube in said shell and for spacing it from said mouthpiece and the outer end of said shell, and a closure cap having a

central opening covered with wire mesh, said cap being hinged to the outer end of said shell to form a complete enclosure of wire mesh for a cigarette supported in said holder.

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