

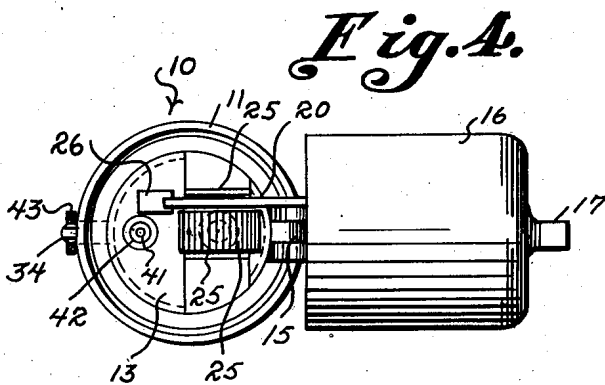
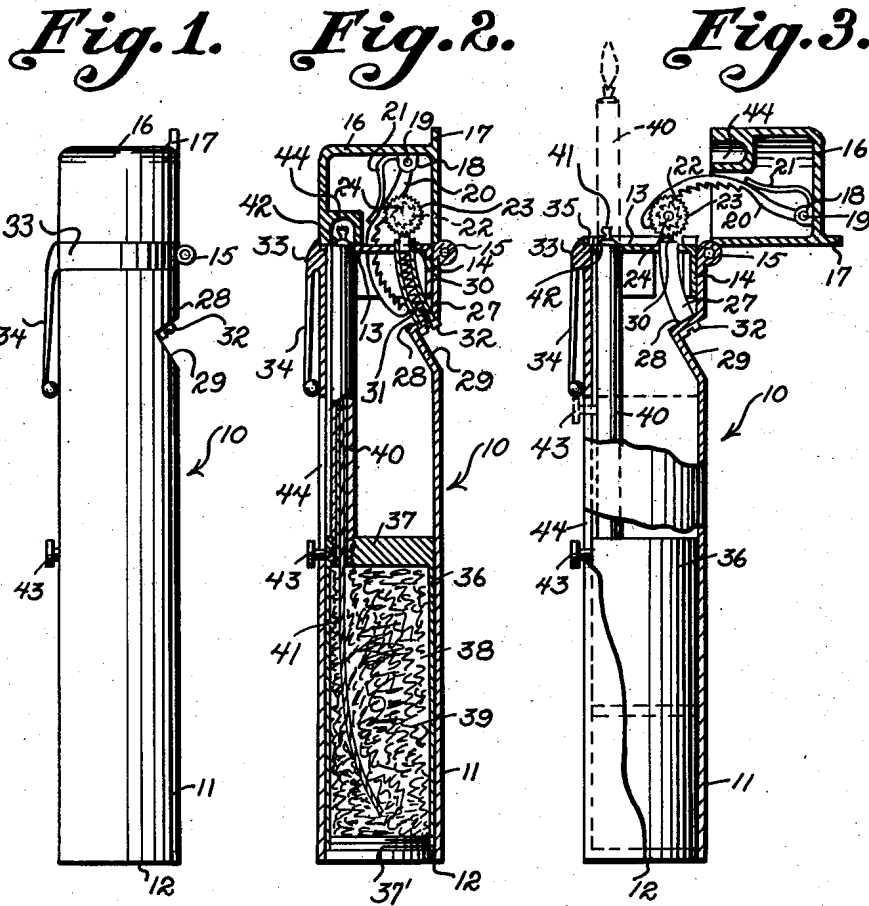
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PIPE LIGHTER

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PIPE LIGHTER

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1 Claim. (Cl. 67—7.1)

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This invention relates to a combined cigar, cigarette and pipe lighter.

An object of the invention is to provide a flint lighter which is employed for lighting cigars, cigarettes and pipes, which is provided with an adjustable tube carrying a wick which is ignited in one position, but is extended into a higher position to facilitate the lighting of the tobacco within a smoker's pipe.

Another object of the invention is to provide a lighter of this character that will prevent the user thereof from having his fingers scorched in obtaining a good light for his pipe.

Another object of the invention is to provide a lighter of this character having a tiltable cover which, in the opening thereof, will cause the flint to ignite the wick thereof.

With the above and other objects and advantages in view, the invention consists of the novel details of construction, arrangement and combination of parts more fully hereinafter described, claimed and illustrated in the accompanying drawing in which:

Figure 1 is an elevational view of an embodiment of the invention;

Figure 2 is a longitudinal vertical sectional view thereof;

Figure 3 is a view partly in elevation and partly in section of the device with the top open for the igniting of the wick and showing in dotted lines the position to which the wick can be extended for pipe lighting purposes, and

Figure 4 is a top plan view of the cover in open or igniting position.

Referring more in detail to the drawing, the reference numeral 10 generally designates the lighter embodying the invention, which comprises the tubular shell or casing 11 having an open bottom 12 and a closed top 13. The top is secured to the shell or casing 11 by the depending flange 14. The casing forms a hinge 15 at the upper edge thereof on which is rotatably mounted the cover or cap 16 which is provided with the finger piece 17 for the opening thereof.

The cover is provided with depending apertured ears 18 between which is pivotally mounted by means of the pin 19, the arcuate shaped gear rack 20 which is engaged on the outer side thereof by the curved spring 21 fixed to the inner surface of the cover 16. The spring 21 forces the rack into engagement with the pinion 22 fixed to the friction or abrading wheel 23 which is rotatably mounted on the shaft 24 journaled in bearings 25 carried by the top 13. The pressure of spring 21 on the rack 20 will also retain the

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cover 16 in closed position when the lighter is not in use, thus performing a dual function. The rack 20 extends into the shell 11 through the opening 26 in the top, and an arcuate shaped flint tube 27 is secured to the lower surface of the top 13. The tube 27 extends into the upper wall 28 of the V-shaped recess 29 formed in the rear of the shell. The tube carries the flint 30 for engagement with the wheel 23, the spring 31, which forces the flint 30 against the wheel, and the adjusting screw 32, the head of which lies in the recess 29 for easy accessibility for the adjustment of the spring tension on the flint.

The shell 11 carries the ring 33 which is integral therewith. The ring 11 carries the clip 34 and extends upwardly beyond the shell at 35 to house the lower edge of the cover 16.

Slidably mounted within the shell 11, is the tubular cartridge or container 36 having the fixed integral top 37, removable screw type bottom 37' and forming the chamber 38 to carry the usual cotton 39 which absorbs the fluid for the lighter in the conventional manner.

The wick carrying tube or post 40 is threadably secured in the top 37, so that the wick 41 carried thereby will terminate at one end in the cotton 39 for conveying the lighter fluid from the container to the igniting point of the wick which extends outwardly of the tapered end 42 of the tube 40.

The container 36 is moved upwardly to the position shown in dotted lines in Figure 3 by means of the screw 43 secured in the top 37 thereof, moving in the vertical slot 44 in the shell 11.

The cover 16 is provided with a snuffer pocket 44, at the front lower edge thereof, which covers the end 42 of the tube to snuff the wick when the cover 16 is closed after the lighting of a cigar, cigarette or pipe.

If the cover 16 is partially closed when the tube 40 is in the position shown by dotted lines in Figure 3, the cover will engage the tube and retain it in this position, which is the position for properly igniting a smoker's pipe.

It is difficult at the present time to successfully light a pipe with conventional lighters having fixed wicks, as it is necessary to invert the lighter to properly ignite the tobacco, and even then with poor success. The inverting of the present day lighter blacks the lighter, making it appear dirty at all times, and even injures the sparking mechanism at times.

With the type of lighter embodying the invention, the wick is initially ignited in the position

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shown in full in Figure 3 in the conventional manner. The screw 43 is then slid upwardly to position the tube 40 in the position shown in dotted lines in Figure 3. In this position, a pipe can be easily lighted with the ignited wick without injury to the lighter structure. When the pipe is lighted, the tube 40 is lowered, and the cover can be closed as in Figure 2. It is also obvious that when the lighter is tilted, the container 36, together with the tube 40, will, by reason of its own weight, slide by gravity within the casing 11 to a position similar to that shown in Figure 3. Therefore, the mere tilting of the lighter will bring the tube 40 into position for lighting a pipe.

By opening the cover 16 with the use of the finger piece 17, the friction wheel 23 is rotated against the wick for the igniting thereof.

There has thus been provided a lighter which is especially adapted to ignite the tobacco in a smoker's pipe but is equally successful in lighting cigars or cigarettes.

From the foregoing description, it is believed the operation and structure of the lighter will be apparent to those skilled in the art, and it is to be understood that changes in the minor details of construction, arrangement and combination of parts may be resorted to, provided they fall within the spirit of the invention and the scope of the appended claim.

Having thus described the invention, what is claimed as new and desired to be secured by Letters Patent is:

In a lighter, the combination which comprises a cylindrical casing having a longitudinally disposed slot adjacent one end and having a transverse V-shaped recess at a point therein opposite the slot, a fuel container slidably mounted in the casing having a button thereon positioned in the

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longitudinally disposed slot and having a threaded plug forming the bottom thereof, an elongated tubular wick carrying post mounted on the fuel container at a point thereon adjacent the slot in the casing and offset from the center thereof, said post extended upwardly to the upper end of the casing with the container positioned in the lower part thereof, the upper end of said container from which the post extends positioned about midway of the height of the casing with the container in the lower part thereof, an arcuate flint tube extending from the upper side of the V-shaped notch in the casing to the upper end thereof, an abrading wheel having a pinion thereon rotatably mounted on the upper end of the casing and positioned to engage a flint extending from the end of the flint tube, a cap having a snuffer pocket therein hinged to the upper end of the casing with the said snuffer pocket positioned to receive a wick in the said wick-holding tube as the cap is closed, and an arcuate gear rack carried by the cap and positioned to mesh with the pinion on the said abrading wheel, whereby the rack actuates the wheel to engage the flint as the cap is opened.

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