



# UNITED STATES PATENT OFFICE

2,442,508

## POCKET CIGARETTE LIGHTER

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1 Claim. (Cl. 67-81)

1

The present invention relates to new and useful improvements in pocket cigarette lighters, and has for its primary object to provide a removable reservoir adapted to contain lighter fluid and by means of which the fluid chamber for the lighter may be replenished as the same becomes consumed.

An important object of the present invention is to provide a device of this character by means of which the lighter fluid in the fluid chamber of the lighter may be replenished from a reserve supply carried by the lighter without requiring the removal of filler caps or the like which exposes the lighter fluid to the atmosphere and results in evaporation thereof.

A further object of the invention is to provide a device of this character of simple and practical construction, which is efficient and reliable in operation, and while at the same time retains the compactness of the lighter and which otherwise is well adapted for the purposes for which the same is intended.

Other objects and advantages reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawing forming part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a side elevational view with parts broken away and shown in section.

Figure 2 is a bottom plan view.

Figure 3 is an enlarged vertical sectional view.

Figure 4 is a transverse sectional view taken substantially on a line 4-4 of Figure 1.

Referring now to the drawing in detail, wherein for the purpose of illustration I have disclosed a preferred embodiment of the invention, the numeral 5 designates the pocket cigarette lighter generally which includes a case 6 formed with an elongated substantially flat chamber 7 adapted to contain a suitable absorbent material 8 for saturation with a lighter fluid, the top of the chamber 7 having a tubular wick holder 9 mounted therein through which a wick 10 extends with its lower end embedded in the absorbent material 8.

Extending vertically through the chamber 7 is a flint-holding tube 11 and attached to the top of the case at the upper end of the tube 11 is a manually operable abrasive or other sparking wheel 12 adapted to contact the flint contained in the upper end of the tube 11 to produce a spark in the usual manner for igniting the wick.

At one side of the chamber 7 the case is formed with a cylindrical chamber 13 which is closed at

2

its top and open at its bottom, the upper portion of the chamber 13 being internally threaded, as indicated at 14.

The chamber 13 at its threaded portion communicates with the chamber 8 by means of a passage 15.

A tubular container 16 is closed at its lower end and formed with an externally threaded open neck 17 at its upper end adapted for threaded engagement in the upper end of the chamber 13, the lower end of the container 16 having a flange 18 which projects below the bottom of the case 6 to provide finger-gripping means for threading the container into and out of position in the chamber 13.

The walls of the container 16 at its lower portion are spaced from the walls of the chamber 13 and a packing sleeve 19 of resilient material is positioned therebetween to provide a liquid-tight seal for the lower portion of the chamber 13.

In the operation of the device, the container 16 forms a reservoir for lighter fluid which is placed in the container after the latter is removed from the case and is then positioned upwardly in the chamber 13 and threaded upwardly in the upper portion thereof to close the passage 15.

When the lighter fluid from the chamber 7 has been consumed, the container 16 is backed downwardly in the chamber 13 to open communication between the container and the chamber 7 through the passage 15, as shown in Figure 3 of the drawing, and then by tilting the case toward one side the fluid from the container 16 may then enter the chamber 7 to replenish the latter with lighter fluid and without necessitating a complete removal of the container 16 from the case which would expose the fluid to atmosphere and thus cause evaporation thereof.

In view of the foregoing description taken in conjunction with the accompanying drawing, it is believed that a clear understanding of the construction, operation and advantages of the device will be quite apparent to those skilled in the art. A more detailed description is accordingly deemed unnecessary.

It is to be understood, however, that even though I have herein shown and described a preferred embodiment of my invention, the same is susceptible to certain changes fully comprehended by the spirit of the invention as herein described and the scope of the appended claim.

Having thus described the invention, what I claim is:

55 claim is:

2,442,508

3

A pocket lighter comprising a casing having a top and a pair of side-by-side chambers therein closed by said top with an upper passage between the same, one of said chambers having an open bottom, a wick in the other chamber extending out of said top, and an open top fluid container in the open bottom chamber threaded therein and adjustable by turning the same inwardly and outwardly of said bottom crosswise of said passage to close and open said passage respectively. 10

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4

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