

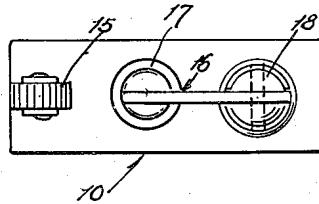
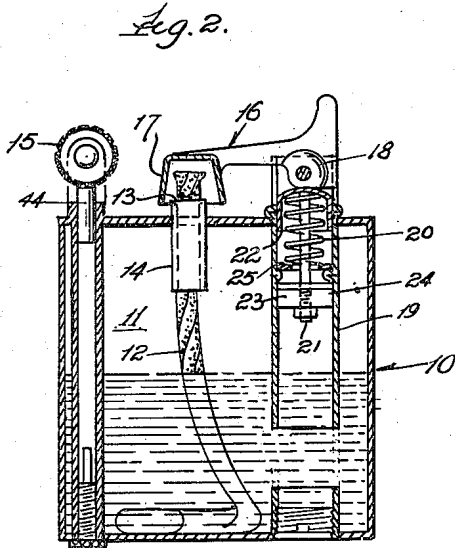
July 12, 1949.

J. L. YOUNGHUSBAND

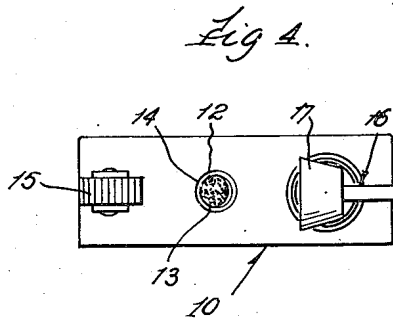
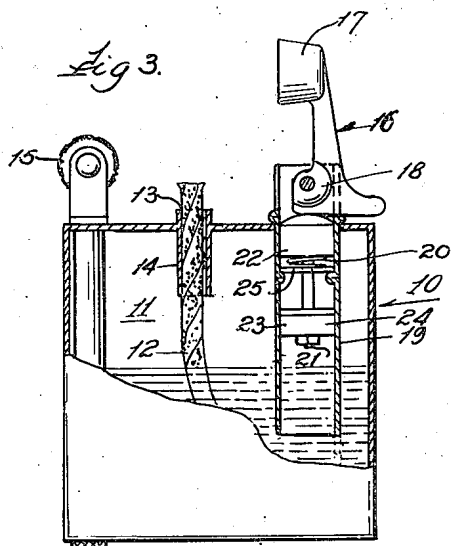
2,475,733

CIGARETTE LIGHTER

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*Fig. 1.*



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# UNITED STATES PATENT OFFICE

2,475,733

## CIGARETTE LIGHTER

James Leslie Younghusband, Chicago, Ill.

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1 Claim. (Cl. 67—7.1)

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My invention relates to a cigarette lighter having improved lighting means.

Among the objects of my invention is to provide fumes directed to the wick at the time of lighting so as to expedite lighting, thereby providing a quicker and better flame. My invention has such other objects, advantages and capabilities as will later more fully appear and which are inherently possessed by my invention.

While I have shown in the accompanying drawings a preferred embodiment of my invention, yet I wish it understood that the same is susceptible of modification and change without departing from the spirit of my invention.

Referring to the drawings, Fig. 1 is a top plan view of my device in closed position; Fig. 2 is an elevational sectional view in closed position; Fig. 3 is a detailed elevational view in open position; and Fig. 4 is a top plan view in open position.

The preferred embodiment selected to illustrate my invention comprises a pyrophoric cigarette lighter 10 in which there is a fuel chamber 11. A wick 12 extends upwardly through and beyond opening 13 in tube 14 above fuel chamber 11 and adjacent movable ignition means including the usual flint 44 and friction wheel 15.

A snuffer 16 has on its outer end a head 17 for snuffing wick 12, and is pivotally attached at its other end 18 to and within the upper end of cylinder 19. The inner end 18 of said snuffer 16 has an upturned finger portion for receiving manual pressure for operation of said snuffer. A coiled spring 20 is mounted in cylinder 19 on rod 21 which extends between upper member 22 and lower member 23 of piston 24. A support 25 is attached to the inner walls of cylinder 19 at the lower end of spring 20 and between upper member 22 and lower member 23.

In use, when snuffer 16 is in closed position, head 17 covers the top of wick 12 and spring 19 is in expanded position. When it is desired to light wick 12, snuffer 16 is moved to open position and end 18 bears against top member 22, moving it downwardly and through rod 21 also moving lower member 23 downwardly within cylinder 19. The downward pressure by piston 24 causes compression in cylinder 19, forcing fumes in fuel chamber 11 into tube 14 and through opening 13 at wick 12. These fumes prime wick 12, providing additional means for quick and ample ignition of the wick upon the turning of wheel 15 against flint 44.

Having thus described my invention, I claim:

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A cigarette lighter comprising a fuel chamber adapted to contain fuel, a centrally positioned wick tube supported by said chamber and having a wick extending through a top opening therein, means positioned at one side of said wick tube for igniting the wick, said wick tube extending briefly within said fuel chamber and having an open unrestricted lower end, a cylinder extending within said fuel chamber at the other side of said wick tube, a support attached to and within said cylinder adjacent its upper portion, a piston having an upper portion positioned above said support, a lower portion positioned below said support and a connecting rod extending between said upper and lower portions within said cylinder, a coil spring mounted on said rod with its upper end contacting the upper portion of the piston and its lower end contacting the lower portion of the piston, a swingable member having a snuffer at its outer end adapted to extend to the central portion of said chamber to cover said wick, and pivotally attached at its inner end to the upper portion of said cylinder, said swingable member having an upturned finger portion at its inner end, said cylinder open at its lower end, the inner end of said swingable member engaging the top portion of said piston and adapted upon manual pressure on said finger portion to be pivoted to open position to move said top portion downwardly, said top portion through said rod moving said bottom portion of the piston downwardly in the cylinder, thereby compressing fumes in the fuel chamber and forcing them into the adjacent unrestricted open bottom of the centrally positioned wick tube and through the open top of the wick tube to said wick for priming the same at the ignition point for prompt and full ignition.

JAMES LESLIE YOUNGHUSBAND.

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