

## PATENT SPECIFICATION

378,909



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PROVISIONAL SPECIFICATION.

## A Swivel- or Hinge-opening Cigarette or Cigar Lighter.

I, FREDERICK JAMES SCARISBRICK, "Dilkush", Nailsea, nr. Bristol, British, do hereby declare the nature of this invention to be as follows:—

5 A cigarette lighter made in such a manner that the inner portion or container is fitted to an outer case, by means of an axle or hinge, and swivels in and

out of the outer case on the said axle or hinge.

When the container is pushed, turning on its axle or hinge, into the outer case, the wick and flint-wheel are hidden by the outer case.

Dated the 12th day of May, 1931.

F. J. SCARISBRICK.

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## COMPLETE SPECIFICATION.

## A Swivel- or Hinge-opening Cigarette or Cigar Lighter.

15 I, FREDERICK JAMES SCARISBRICK, "Dilkush", Nailsea, near Bristol, a British Subject, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

20 According to this invention a pyrophoric igniter or a scent spray is pivoted or hinged between the parallel sides of a flat case so that it is normally completely covered thereby, and can be swung out to give access to the friction wheel and the wick of the igniter, or the spraying device.

30 In the following description a pyrophoric igniter is described.

The igniter comprises a container for the liquid (or semi-solid) fuel fitted with a wick feed tube, a tube sealed at the bottom (to receive the flint mechanism), and a filler cap.

The wick feed tube contains the wick and absorbent material.

40 The flint mechanism is the usual arrangement of wheel, flint, spring, and adjusting screw.

When the igniter is turned into the case, the igniter is closed, and the wick and flint wheel are covered and protected.

45 The filler cap is also shown covered by the case, but I do not confine myself to this arrangement; the filler cap may be arranged on the outer surface.

50 The igniter is turned out of the case by pressing on the periphery at P (Fig. 1.) with the thumb of the left hand, and concurrently pulling with the end of the

forefinger at P<sub>1</sub> (Fig. 1.). The case would be in the position as Fig. 1., and held by the right hand. When open, the igniter is held in the left hand, and the flint wheel is struck by the thumb or forefinger of the right hand.

The wick feed tube is fitted with a device, as hereinafter described, which allows the fuel to pass from the outside of the tube to the absorbent material inside the tube.

In order that my said invention may be understood, I append a sheet of drawings.

Figure 1. is a side elevation showing the case closed. The igniter (a) is shown housed in the case (b).

Figure 2. is a side elevation showing the case open. The igniter (a) has turned on axle (c) and has emerged from the case (b).

Figure 3. is a plan of Figure 1., on an enlarged scale, of the igniter closed. The two sides of the case are held together by the axle (c), and the shaped piece (s) along the part XYZ (Figures 1 & 2).

Figure 4. is a section, on an enlarged scale, through the igniter and case. The filler cap is at (d), the flint mechanism (h) fits into the chamber (e) which is sealed at the bottom. The axle fits into the tube (c). The wick feed tube (f), which may be of any cross-sectional shape, but is here shown circular, is screwed or otherwise fitted into the fuel chamber, and is shown with the feed at the bottom. I do not confine myself to the position of the feed at this point; it may be arranged

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at any point along the tube.

The feed of fuel to the absorbent material inside the tube is effected by means of an absorbent washer (*k*), placed  
5 between the head of the feed screw (*m*) and the tube.

The use of the wick feed tube permits the whole of the available space inside the container to be filled solely with fuel.

10 The joints between the wick feed tube (*f*) and the chamber (*e*), and the wall of the container are made spirit tight.

I am aware that metal boxes for toilet  
15 requisites, matches, or other articles, are known in which a tray or drawer is pivoted or hinged between two parallel sides of an outer case so that it is normally completely covered thereby, and can be swung outwardly to give access to the  
20 contents.

Having now particularly described and ascertained the nature of my said inven-

tion, and in what manner the same is to be performed, I declare that what I claim is:—

(1). A pyrophoric igniter or a scent spray, pivoted or hinged between the parallel sides of a flat case, so that it is normally completely covered thereby, and can be swung outwardly to give access to the friction wheel and wick of the igniter, or the spraying device. 25

(2). In a pyrophoric igniter as claimed in claim (1), a wick feed tube which holds the wick and absorbent material, and has a feed passage, arranged either at the end or along its length, controlling, by a screw and an absorbent washer, of woollen or cotton felt or other flow retarding material, placed between the head of the feed screw and the tube, the flow of fuel from the outside to the inside of the tube. 30

Dated this third day of February, 1932. 35  
FREDERICK JAMES SCARISBRICK. 40

[This Drawing is a reproduction of the Original on a reduced scale.]

