

PATENT SPECIFICATION

310,165

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PROVISIONAL SPECIFICATION.

Improvements in Petrol Lighters.

I, GEORGE FREDERICK DAGNALL, of Wildernesse Country Club, Seal, Nr. Sevenoaks, Kent, of British Nationality, do hereby declare the nature of this invention to be as follows:—

This invention relates to improvements in pocket petrol lighters and has for its object to extend the usefulness of such lighters so as to render them suitable for use in lighting pipes, gas fires, and so on.

In accordance with the invention, there is incorporated in the lighter in addition to the usual serrated wheel and wick a torch member which normally extends into the petrol container of the lighter and can be withdrawn and lit from the wick of the lighter and carried about.

The lighter may have mounted thereon a strip of pyrophoric metal and the torch may be lit by rubbing the metal portion along this pyrophoric metal.

Dated this 28th day of March, 1928.
CRUIKSHANK & FAIRWEATHER,
65—66, Chancery Lane, London,
W.C. 2, and
29, St. Vincent Place Glasgow,
Agents for the Applicant.

COMPLETE SPECIFICATION.

Improvements in Petrol Lighters.

I, GEORGE FREDERICK DAGNALL, of Wildernesse Country Club, Seal, Nr. Sevenoaks, Kent, of British Nationality, 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:—

This invention relates to improvements in petrol lighters and the like and has for its object to extend the usefulness of such lighters so as to render them suitable for use in lighting pipes, gas fires and so on.

In accordance with the invention, there is incorporated in the lighter in addition to the usual lighting means e.g. a serrated wheel and wick, a torch member which normally extends into the petrol container of the lighter but which can be withdrawn and lit and carried about.

The torch may be lit from the wick of the lighter or the lighter may have mounted thereon a strip of pyrophoric metal and the torch may be lit by rubbing the metal portion of the torch along this pyrophoric metal.

One embodiment of the invention is illustrated in the accompanying drawing showing a lighter of usual form with the invention applied thereto, Fig. 1 showing the outline of the lighter in dotted lines with the torch member in full lines, Fig. 2 is a detail view at right angles to Fig. 1 showing the torch member withdrawn from the lighter.

Referring to the drawing in which A indicates the body of the usual lighter with a hinged cover B, a wick C and a spark producing wheel D. The wheel D is carried by a tube D¹ having a bayonet joint connection E with an outer torch-forming tube F accommodated in a tube F¹ fixed to the body A of the lighter. To prevent rotation of the tubes D¹, F in the tube F¹, the bayonet joint projection G engages a slot (not shown) formed in the upper end of the tube F¹. I denotes a spring located within the tube D¹ and serving to press the flint K into contact with the wheel D. The lower end of the spring I engages an abutment H fixed within the tube F near the lower end thereof. L denotes a wick located within and projecting from the lower end of the tube F.

It is obvious of course that the torch forming tube or member can be separate from the spark producing wheel D. It may be a separate member which may be enclosed in the cover B, when the latter is in closed position.

In use, the wick C is ignited in the usual manner by rotation of the wheel D. The torch, including the elements D, D¹, F, may then be withdrawn and the wick

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L thereon lit. In the form illustrated the wick L will ordinarily be lit from the wick C as the torch member is withdrawn.

5 The torch may be lit by rubbing the metal portion of the torch along a strip of pyrophoric metal.

10 Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—

1. A petrol lighter or the like in which there is incorporated in the lighter in addition to the usual lighting means e.g.

a serrated wheel and wick, a torch member which normally extends into the petrol container of the lighter but is adapted to be withdrawn and lit and carried about, substantially as described. 15

2. A pocket petrol lighter constructed and arranged substantially as described with reference to the annexed drawing. 20

Dated the 27th day of December, 1928.

CRUIKSHANK & FAIRWEATHER,
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W.C. 2, and

29, St. Vincent Place Glasgow,
Agents for the Applicant.

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

