

PATENT SPECIFICATION



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281,733

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COMPLETE SPECIFICATION.

Improvements in or relating to Petrol Pocket Lighters.

I, THEODORE SCHILD, a citizen of the Swiss Confederation, of Kastels, Grenchen, Solothurn, Switzerland, the Assignee of MARTIN FISCHER, a citizen of the Swiss Confederation, of 59, Rieterstrasse, Zurich, Switzerland, 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 substantially flat (wide and thin) petrol lighters with which petrol is used and refers to the closure devices for the petrol containers.

Known pocket-lighters, such as employ ferro-cerium ignition, either have the filling opening for the petrol or other fuel in one of the narrow side walls of the container, the said opening being closed by a screw stopper having a gripping edge or a small ring, or such lighters have a large filling opening provided in one of the wide side walls of the container. According to the invention this large filling opening is closed by means of a closure member, or stopper, having an internally or externally threaded projection of proportionately small diameter and which is screwed either onto a corresponding externally threaded pin fixed to the opposite side wall of the container or into a corresponding internally threaded apertured disc-like member fixed to the same side wall of the container.

The method of attachment of the closure member possesses the advantage that the projection on the said member is readily turned on, or screwed into, the corresponding pin or disc-like member and hence the closure member may readily be screwed tight, or loosened, as required.

The accompanying drawing shows two examples of the invention.

Fig. 1 shows the first example applied to a pocket-lighter petrol container, in side elevation,

Fig. 2 shows a vertical cross-section of the petrol container shown in Fig. 1,

Figs. 3, 4 and 5 show component parts for the first example of the invention,

[Price 1/-]

Figs. 6 and 7 show the second example in side elevation and part vertical cross-section, respectively.

In one of the wide side walls of the container a large opening L (Figs. 1 to 3) is provided which is closed by a closure member, or stopper, D (Figs. 4 and 5) having a serrated or gripping edge. This member D has an internally threaded projection D¹. To the opposite side wall of the container a threaded pin S is fixed onto which the member D is screwed by means of the internally threaded projection D¹ to close the filling opening L.

In the second example (Figs. 6 and 7) a member R is employed and consists of an outer ring portion shown by a dotted line in Fig. 6 and three radial arms forming a "spider" construction the centre of which has an internally threaded hole at G. This member is secured to the inner side of the side wall of the container. The closure member D, which is provided with an outer gripping edge, has an externally threaded projection D² by means of which it may be screwed into position on the member R to close the filling opening.

Liquid fuel is poured into the container through the filling opening, and, in the second constructional example, through the spaces between the lugs or bridges forming part of the member R.

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 substantially flat (wide and thin) petrol pocket-lighter with the characteristic feature that one of the wide side walls of the petrol container has a large filling opening provided with a closure member, or stopper, which is either screwed by means of an internally threaded projection onto an externally threaded pin fixed to the opposite side wall of the container, or is screwed by means of an externally threaded projection into an internally threaded apertured disc-like member fixed to the same side wall of the container.

2. A pocket-lighter having a petrol container and closure member for same substantially as described with reference to the accompanying drawing.

Dated this 6th day of December, 1927.
HY. FAIRBROTHER,
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30 and 32, Ludgate Hill, London, E.C. 4.

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

Fig. 1.

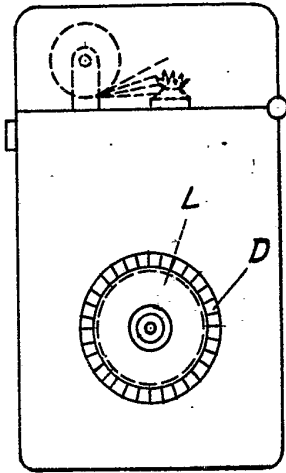


Fig. 2.

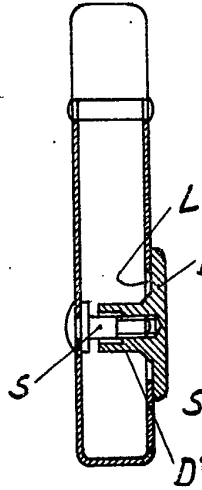


Fig. 3.



Fig. 5.

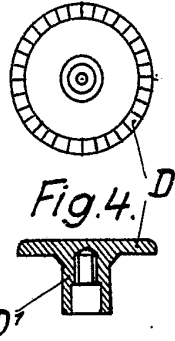


Fig. 4.

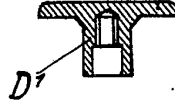


Fig. 6.

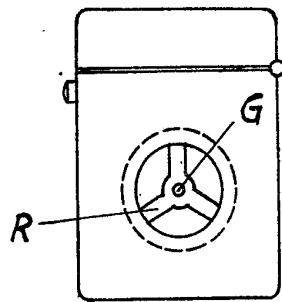


Fig. 7.

