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PATENT SPECIFICATION

419,933



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Complete Accepted: Nov. 21, 1934.

COMPLETE SPECIFICATION.

Fuel Containers for Pyrophoric Lighters.

I, ALOIS KAUFMANN, an Austrian citizen, of 57, Pernerstorfergasse, Vienna X., Austria, 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 a fuel container for a pyrophoric lighter with a filling funnel inserted into the fuel container, and provides a novel filling funnel which surrounds the wick holder and is combined therewith as a single integral member.

The filling funnel may be inserted into the fuel container, for example by screwing.

The wick is separated from the filling funnel by the wick holder so that when the fuel is poured in it does not come into contact with the wick.

It has already been proposed to provide filling funnels for lighters, but hitherto these have always been separate from the wick holder. According to the present invention, however, whereunder the filling funnel surrounds the wick holder, a separate filling opening with screw plug or like closure is eliminated. The fuel is retained better and longer in the container owing to the absence of any through draught and a single filling lasts much longer. Petrol vapours escaping through the openings in the funnel flow around the wick of the lighter and assure the reliability of ignition.

The accompanying drawing shows an embodiment of the invention by way of example.

Fig. 1 shows, in section, a fuel container with an inserted filling funnel,

Fig. 2 is a plan view corresponding to Fig. 1, and

Figs. 3 and 4 show the filling funnel separately in plan and in side elevation respectively.

The filling funnel, Figs. 3 and 4, comprises a cup-shaped member 1 which is adapted for insertion in the fuel container 5 (Fig. 1). The funnel 1 has slots 2 formed in its bottom and an opening 3 adjacent its upper end for the passage of air. The bottom of the member 1 is raised centrally to form a wick holder 4.

The member 1 is adapted to be inserted into a suitable hole formed in the fuel container 5 (Figs. 1 and 2). The liquid fuel when poured into the funnel flows through the slots 2 into the interior of the container, air escaping through the opening 3.

Petrol vapours which may escape through the slots 2 flow round the wick projecting up the centre of the funnel and facilitate ignition.

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 fuel container for a pyrophoric lighter, having a filling funnel which surrounds a wick holder and is combined therewith as a single integral member.

2. A fuel container for a pyrophoric lighter having a filling funnel substantially as described with reference to the accompanying drawing.

Dated this 29th day of August, 1934.

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[This Drawing is a full-size reproduction of the Original.]

Fig.1

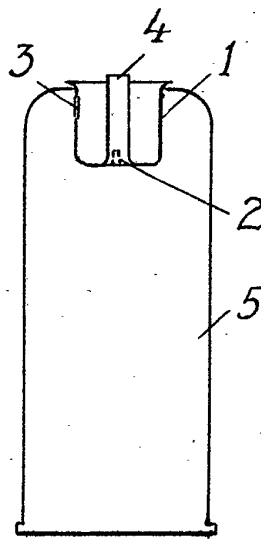


Fig.3

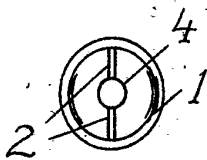


Fig.2

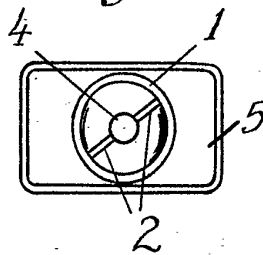


Fig.4

