

PATENT SPECIFICATION

Application Date : March 2, 1927. No. 5872 / 27.

288,787

Complete Accepted : April 19, 1928.

COMPLETE SPECIFICATION.



Improvements in Smokers' Petrol Lighters.

We, FREDERICK CHARLES WISE and WILLEY GREENWOOD, both of 5 and 7, Johnson Street, Notting Hill Gate, London, W. 8, British subjects, 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 smokers' petrol friction lighters of the kind wherein the wick tube is surrounded by a perforated, tubular shield which, while admitting air through its apertures to the flame, tends to prevent the latter from being blown out by the wind.

The object of the invention is to provide additional security against the flame being blown out and also to render the flame steadier, and the invention consists essentially in forming the shield with louvred apertures adapted to deflect the wind from the wick and to guide it upwards through the shield. To enlarge the flame, moreover, the wick tube is split longitudinally so as to partially expose the sides of the wick as well as the top of the same.

Fig. 1 of the accompanying drawings represents a side view of a lighter to which the shield is applied.

Fig. 2, a front view of the same in open position, and

Figs. 3 and 4 are central sections at right angles of the shield and of the wick tube.

The wick tube of the lighter is surrounded by a tubular shield *a* which according to the invention is provided with louvred apertures *b* arranged so as to deflect the wind from the wick and guide it upwards through the shield.

By this arrangement a flame is produced which is normally very steady and which is effectively guarded against being blown out by strong wind.

In order to provide the flame with an ample supply of fuel, the wick tube *c* is split longitudinally, as shown in Figs. 3 and 4, into a plurality of claws between which the wick is exposed.

Normally the wick tube is covered in known manner by a thimble *d* which is connected to a pivoted arm *e* whereby it can be turned into and out of operative position. A plate *f* secured to the thimble *d* forms a cover for the shield *a* and has an extension *g* adapted to cover the abrasive wheel *h*.

The shield *a* is formed with a slot *i* for the arm *e* and with an aperture *k* for admitting the sparks to the wick.

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

1. In a smoker's lighter of the kind referred to, the provision of a wind shield having louvred air apertures adapted to deflect the wind from the wick and guide it upwards through the shield, substantially as and for the purpose set forth.

2. In a smoker's lighter according to Claim 1 the provision of a wick tube which is split longitudinally so as to form a plurality of claws between which the wick is exposed, substantially as and for the purpose set forth.

Dated this 2nd day of March, 1927.

HANS & DANIELSSON,
321, St. John Street, London, E.C. 1,
Registered Patent Agents.

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

