

# PATENT SPECIFICATION

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Application Date: March 28, 1941. No. 4191/41.

553,703

Complete Specification Left: Jan., 22, 1943.

Complete Specification Accepted: June 2, 1943.

## PROVISIONAL SPECIFICATION

### Improvements in or relating to Petrol Lighters

I, BORIS HERBERT FEODOR LIST, Lieutenant Commander R.N. (Retired), a British subject, of 4D, Grove End House, St. John's Wood Road, London, N.W.8, do hereby declare the nature of this invention to be as follows:—

This invention relates to petrol lighters of the kind comprising a receptacle for containing absorbent material and petrol, with means for igniting a small quantity of petrol in a wick by the spark produced on frictional contact between flint and steel members.

According to the invention an asbestos wick is arranged concentrically with a steel rod having a rounded end, through the centre of which works an inner rod terminating in a small projection so arranged as to co-operate with an edge of the said rounded end to give the best striking angle when brought into frictional contact with a strip of flint let into a groove on the outside of the receptacle. The wick and rods are carried in a base externally screw threaded to engage an

internal screw thread in a tube passing into the interior of the receptacle, the inner rod being also longitudinally adjustable in relation to the outer rod to compensate for wear.

The receptacle is cylindrical and is closed by screw threaded caps at each end, the cap at one end being formed with an internally threaded tube to receive the striker comprising the steel rods and the wick, while the cap at the other end can be removed to facilitate the re-filling of the receptacle. This latter cap may be provided with a ring so that the device can be hung by a cord or chain from a belt or other article worn by the user.

Dated this 28th day of March, 1941.

HASELTINE, LAKE & CO.,

28, Southampton Buildings,  
London, England,

and  
19—25, West 44th Street, New York,  
U.S.A.,

Agents for the Applicant.

## COMPLETE SPECIFICATION

### Improvements in or relating to Petrol Lighters

I, BORIS HERBERT FEODOR LIST, Lieutenant Commander, R.N. (retired), of 64, Danescroft, Brent Bridge, London, N.W.4, formerly of 4D, Grove End House, St. John's Wood Road, London, N.W.8, a subject of the King of Great Britain, 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 petrol lighters of the kind comprising a receptacle for containing absorbent material and petrol, with means for igniting a small quantity of petrol in a wick by the spark produced on frictional contact between flint and steel members.

According to the invention the receptacle is cylindrical and is closed by screw threaded caps at each end, the cap at one end being formed with an intern-

ally threaded tube to receive the striker comprising the steel rod and the wick, while the cap at the other end can be removed to facilitate the re-filling of the receptacle. This latter cap may be provided with a ring so that the device can be hung by a cord or chain from a belt or other article worn by the user. An asbestos wick is arranged concentrically with a steel tube having a rounded end, through the centre of which passes an inner rod terminating in a small projection which for ignition purposes is brought into frictional contact with a strip of flint let into a groove on the outside of the receptacle. The wick, tube and rod are carried in a boss externally screw threaded to engage an internal screw thread in a tube passing into the interior of the receptacle. The inner rod may be longitudinally adjustable in relation to the tube to compensate for wear.

In order that the present invention may be clearly understood and readily carried into effect, the same will now be further described with reference to the accompanying drawings, in which:—

Figure 1 represents the device in elevation with the striker in position.

Figure 2 is a central vertical section with the striker removed.

Figure 3 is a cross-section on the line III—III in Figure 1.

Figure 4 represents the striker removed.

A indicates the body of the device, which contains a pad (not shown) of absorbent material soaked in petrol, the upper cap (in position for use) is indicated at B, and the lower cap at C, the latter being provided with a swivelling ring D. A strip of flint E is held in a groove in the body of the device, and the metal at each side of the groove may be pressed over the edges of the flint as seen at F in Fig. 3 to prevent detachment of the flint. The striker consists of a boss G, a screw threaded shank H, a split tube J, and a striking rod K projecting from the tube, the rod K having a rounded end M and being wrapped with an asbestos wick N. The shank H engages an internally screw-threaded tube P depending from the cap B. The striker can be readily removed and the end M of the striking rod drawn over the flint E, the resulting spark igniting the wick, which in turn can be used to produce a larger flame at

the top of the aforesaid absorbent pad.

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 of the kind set forth wherein the receptacle is cylindrical and is closed by screw threaded caps at each end, the cap at one end being formed with an internally threaded tube to receive the striker comprising the steel rod and the wick, while the cap at the other end can be removed to facilitate the refilling of the receptacle.

2. A petrol lighter as in claim 1 wherein the latter cap is provided with a ring so that the device can be hung by a cord or chain from a belt or other article worn by the user.

3. A petrol lighter of the kind set forth having its parts constructed and arranged substantially as hereinbefore described with reference to the accompanying drawings.

Dated this 22nd day of January, 1943.

HASELTINE, LAKE & CO.,  
28, Southampton Buildings,  
London, England,

and  
19—25, West 44th Street, New York,  
U.S.A.,  
Agents for the Applicant.

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

Fig. 1.

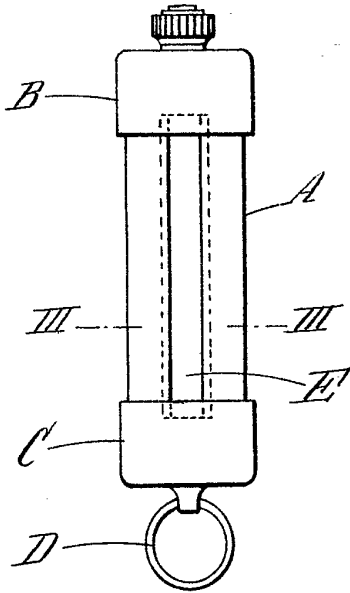


Fig. 2.

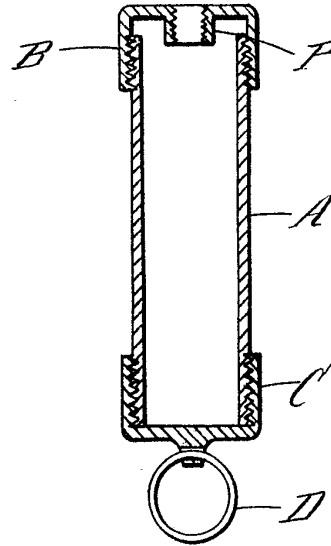


Fig. 3.

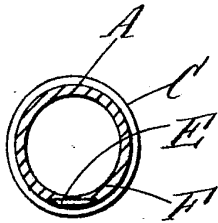


Fig. 4.

