

PATENT SPECIFICATION



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COMPLETE SPECIFICATION.

Flat Benzine Pocket Lighter with Separate Benzine Reservoir and Adjustable Outlet.

I, HANS RUSSLER, of No. 1, Bahnhofstrasse, Mainz, Germany, of German 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:—

Flat pocket lighters in which a valve screw is used for the regulation of the fuel supply between the fuel reservoir and the chamber which is filled with wadding are already known.

According to this invention the filling or fuel supply screw is not only used as element for regulating the supply of benzine but when not withdrawn to permit the passage of benzine it serves for uniting the two parts of the casing.

The improved pocket lighter constructed according to the invention is shown on the accompanying drawing in vertical section.

As shown on the drawing the pocket lighter proper is enclosed in a casing composed of two parts *a* and *b* so that, when the upper part *b* of the casing which serves as lid, is removed the friction device is accessible, the other parts remaining enclosed by the part *a* of the casing. The space or chamber *c* which serves as gas generator consists of a capsule *e* which is filled in the well known manner with wadding and contains the wick *d*, it is open at the lower end. A separate reservoir *f* is arranged under the capsule *e* which has only one inlet *h* closed by a screw bolt *i*. So far all the parts are known. This screw bolt *i* serves, according to the invention, for two different purposes, it extends through the gas generating chamber *c* and terminates in a hand knob *k* so that it can be easily

manipulated after the top part *b* of the casing has been removed. The screw bolt *i* serves for two purposes, namely to securely connect the parts *e* and *f* and further to regulate the supply of benzine. When benzine has to be filled into the gas generating chamber *c* from the benzine reservoir *f*, the lid *b* is removed and the hand knob *k* turned until the screw rod *i* is screwed out of the hole *h* so that benzine can be poured from the reservoir *f* into the chamber *c* whereupon the screw bolt *i* is screwed in again. Through this manipulation the connection between the envelope *e* of the chamber *c* and the reservoir *f* is not destroyed as these parts are still securely connected by the part *a* of the casing. In this manner it is possible to transfer any desired quantity of benzine from the reservoir to the gas generating chamber so that loss of benzine is avoided.

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:—

Flat pocket benzine lighter in which the filling screw serves to regulate the admission of the fuel from the fuel reservoir to the separate wadding and wick receptacle, characterized by such an arrangement of the filling screw (*i*, *k*) that when not withdrawn to permit the passage of benzine it serves for connecting the reservoir (*f*) and the capsule (*e*).

Dated this 9th day of November, 1920.

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

