

PATENT SPECIFICATION



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COMPLETE SPECIFICATION.

Improvements in or relating to Pocket Lighters.

I, THEODOR SCHILD, a citizen of the Swiss Confederation, of Kastels, Grenchen, Canton Solothurn, 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 a pocket lighter having a casing in which a watch is mounted and according to the invention I provide the casing, which acts as a container for fuel, with a watch fitted into a recess on the casing in such a manner that the operating knob for the winding and setting stem of the watch is accessibly positioned on the outside of the casing.

The watch may be wound or set without the necessity of opening the lighter casing or detaching the watch from the casing, while at the same time the watch mechanism is protected from damage by the casing.

The casing is preferably flat and the watch may be mounted in a recess on one of the flat sides of the casing. To form this recess a dished disc may be built into the casing in a liquid-tight manner, the watch mechanism being mounted in said dished disc and secured therein as by screws or a threaded ring.

Two examples of the invention are shown in the accompanying drawing, in which:—

Fig. 1 represents a pocket lighter in side elevation provided with a watch mounted in one of the flat sides of the casing.

Fig. 2 shows on larger scale and in greater detail the lower part of the lighter casing (in section) and also the watch.

Figs. 3 and 4 show a modification of the means for securing the watch to the lighter casing.

Referring to these drawings, the lighter is provided with a flat metallic casing 1 for liquid fuel, a hinged cover 2 and a filling aperture 3 (Fig. 1) through which liquid fuel is poured into the casing 1.

Arranged on the casing 1 and inside the cover 2 is the ignition or lighting

[Price 1/-]

means which is of known or convenient kind consisting, for example, of a rotatably mounted friction disc, a piece of cerium-iron alloy pressed by a spring against the friction disc, and a wick adjacent the friction disc up which liquid fuel passes from the casing 1 and at the top of which the fuel is ignited by sparks generated by rotating the friction disc against the cerium-iron alloy. A watch mechanism 5 is mounted inside a dished disc 4 on the casing 1. The watch mechanism is secured in position in the dished disc 4 by means of screws 6 under a watch glass 15 mounted in liquid-tight manner in a ring 16. The ring 16 is sprung into position inside an inclined flange 18 of the dished disc 4 and is held in position by means of a small fixing screw 19. The winding stem 10 of the watch projects through a bore 11 in the disc and the container. The stem 10 is provided with a squared end at 12 on which the hub 13 of the operating knob 14 is slidably arranged.

The edge of the operating knob 14 projects outwardly from the side wall of the casing 1 in order that the watch mechanism may be readily wound by the finger or thumb. For fixing the knob to the stem 10 a screw 20 is provided. This screw passes into a threaded hole in the end of the stem 10 and the head of same occupies a depression in the knob 14.

The construction shown in Figs. 3 and 4 differs from that shown in Figs. 1 and 2 in that the clock mechanism is fixed in the dished disc 4, which is provided with a screw thread, by means of a threaded ring 21. The ring 21, in which the watch glass 15 is mounted, is adapted to press the clock mechanism against a ring 22 which itself engages the back of the dished disc 4. The ring 21 is secured in position by means of a small fixing screw 19.

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 pocket lighter having a casing acting as a container for fuel, with the

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feature that a watch is fitted into a recess in the casing in such a manner that the operating knob for the winding and setting stem of the watch is accessibly positioned on the outside of the casing.

2. A pocket lighter according to Claim 1, in which the casing is flat and the watch is mounted in a recess in one of the flat sides of the said casing.

3. A pocket lighter according to Claims 1 and 2, in which a dished disc is built into the casing in a liquid-tight manner, the watch mechanism and dial being mounted in said dished disc and secured by a ring.

4. A pocket lighter according to Claim 3, in which the dished disc is provided with a screw thread and the watch mechanism is secured in position by means of a threaded ring screwed into the dished disc.

5. A pocket lighter according to Claim 1, in which the watch mechanism is secured by screws in the recess on the casing and a ring in which the watch glass is mounted is sprung into position inside a flange of the recess.

6. A pocket lighter according to Claim 1, in which the operating knob of the watch is mounted on a squared portion of the winding and setting stem, which latter projects through a bore in the wall of the casing.

7. A pocket lighter according to Claims 1 and 6, with the feature that for securing the operating knob to the winding and setting stem of the watch a screw is provided at the end of said stem.

8. A pocket lighter according to any of the preceding claims, in which the edge of the operating knob projects outwardly from the side wall of the casing in order that the watch mechanism may be readily wound by the finger or thumb.

9. Pocket lighters having a watch mounted in the casing of same substantially as described with reference to the accompanying drawings.

Dated this 29th day of December, 1927.

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

