

PATENT SPECIFICATION



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COMPLETE SPECIFICATION

Improvements in or relating to Pyrophoric Lighters

We, CARTIER, SOCIÉTÉ ANONYME, a Body Corporate organised according to the laws of France, of 13 Rue de la Paix, Paris, France, 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 pyrophoric lighters.

Endeavour has already been made to avoid, in lighters, the finger coming into contact with the spark wheel which rubs against the flint and which accordingly is always more or less dirty. For this purpose, the lighter may be provided with a second milled wheel keyed on the spindle of the spark wheel. But, as this second milled wheel is made of metal the finger is still liable to be soiled after a certain time.

The object of the present invention is to obviate this drawback.

In accordance with this invention we provide a pocket lighter comprising a flint adapted to make contact with a rotatable spark wheel, and a second milled wheel of natural or artificial stone secured onto the spindle of the spark wheel and adapted to be actuated by the finger; preferably, having a spring disposed in the interior of the lighter and parallel to the axis of the spark wheel adapted to press said flint against said spark wheel through the intermediate agency of a bell crank lever.

This second milled wheel is located at a sufficiently great distance from the flame of the lighter to avoid its being injured or broken by heat or even soiled by soot produced by the flame.

Furthermore, the friction of the second milled wheel made of a stone on the

finger is softer than in the case of a metallic milled wheel.

Finally, these milled wheels are perfectly adapted to the ornamentation of fancy lighters and give them a very artistic aspect. In particular, it is possible to combine a set of different colours for the lighter and the milled wheel and to obtain the most varied and original modern decorative effects, for instance by making the body of the lighter of black lacquer and the second milled wheel above referred to of coral.

Where the invention is applied to the pocket lighter which has been described and illustrated in our British Patent No. 405,122, dated May 14, 1932, the milled wheel shown at 8 in that application is made of a stone.

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. A pocket lighter comprising a flint adapted to make contact with a rotatable spark wheel, and a second milled wheel of natural or artificial stone secured onto the spindle of the spark wheel and adapted to be actuated by the finger.

2. A pocket lighter according to claim 1 having a spring disposed in the interior of the lighter and parallel to the axis of the spark wheel adapted to press said flint against said spark wheel through the intermediate agency of a bell crank lever.

Dated this 16th day of March, 1934.

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