

PATENT SPECIFICATION



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PROVISIONAL SPECIFICATION.

Improvements in or relating to Pyrophoric Lighters.

I, PROSPER HARDY, of 338, St. John Street, London, E.C. 1 a Belgian subject, do hereby declare the nature of this invention to be as follows:—

5 This invention relates to a pyrophoric lighter of the kind wherein the flint is controlled by a coil spring enclosed in an adjustable screw cap, and the invention consists in connecting the spring at one
10 end to the cap so as to prevent it from being lost.

For this purpose the cap may have a socket into which the end of the spring can be forced, or the spring may be welded or
15 soldered or connected thereto by passing one end of the spring through an aperture

in the cap and looping it at the outside to secure it in position. As an alternative a separate fastening wire may be employed.

As a further alternative the fastening element may consist of a screw passed through an aperture in the end wall of the cap and screwed into the spring. The head of the screw is preferably in the form of an eyelet or hook which can then be advantageously used as a means for suspending the lighter.

Dated the 2nd day of March, 1931.

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COMPLETE SPECIFICATION.

Improvements in or relating to Pyrophoric Lighters.

I, PROSPER HARDY, of 338, St. John Street, London, E.C. 1 a Belgian subject, 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
35 following statement:—

This invention relates to a pyrophoric lighter of the kind wherein the flint is controlled by a coil spring enclosed in an adjustable screw cap to which the spring
40 is secured at one end so as to prevent it from being lost when the cap is removed for the renewal of the flint.

According to the invention the spring is secured to the cap by means of a screw
45 which is passed through an aperture in the crown of the cap and screwed into the spring.

The invention is illustrated in the accompanying drawing by a sectional view, drawn to an exaggerated scale, of the preferred form of the device.

The flint *a* of a pyrophoric lighter is pressed against the abrasive wheel *b* by means of a coil spring *c* which is enclosed
55 in a tube *d* and in a screw cap *e*, the latter being adjustable on the tube for regulating the pressure of the spring.

[Price 1/-]

According to the invention, the spring *c* is fastened to the end of the screw cap *e* by means of a screw *f* which is passed through an aperture in the crown of the cap and screwed into the coil spring. The threads of the screw engage between the convolutions of the spring, and while the screw enters the spring readily, an attempt to unscrew it will cause the spring to be contracted by the friction, and the convolutions will therefore bind on the screw and prevent it from being detached.

Preferably the screw is provided with a hook or eyelet *g* which facilitates the insertion of the screw into the spring and which can be advantageously used as a means for suspending the lighter. A recess *h* may be made in the crown of the screw cap for engagement with the ring *g*, the screw being thus secured against rotary displacement relative to the cap.

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 pyrophoric lighter of the kind referred to wherein the coil spring is connected to the cap by means of a screw

which is passed through an aperture in the crown of the cap and screwed into the coil spring.

2. A lighter according to claim 1 wherein the screw is provided outside the cap with a hook or eyelet adapted to serve as a suspension means for the lighter.

3. A lighter according to claim 2 where-

in the eyelet or hook engages in a recess in the cap so as to be prevented from turning relative to the latter. 10

Dated the 23rd day of September, 1931.

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

