

143,752

PATENT



SPECIFICATION

Application Date, July 17, 1919. No. 17,857/19.

Complete Left, Sept. 20, 1919.

Complete Accepted, June 3, 1920.

PROVISIONAL SPECIFICATION.

An Improved Mechanical Flint Lighter.

We, WILLEY GREENWOOD, 1 Bonchurch Road, West Ealing, London, W. 13, and FREDERICK CHARLES WISE, of 1, Antrobus Road, Acton Green, Chiswick, London, W. 4, Scientific Instrument Makers, do hereby declare the nature of this invention to be as follows :—

- 5 An appliance consisting of a metal reservoir, containing inflammable matter with a screwed cap at the bottom of same. On the top is a stem fixed with a pillar, horizontal with the reservoir, which carries the wheel, flint spring and screw. The wick holder stands vertical on the reservoir. A cap covering the wick, and protecting the wheel is fixed on an arm, which works in a saddle
10 piece with a spring at the back of saddle piece. It can be used with one hand by lifting the arm with thumb, and striking the wheel with fore finger.

Dated the Sixteenth day of July, 1919.

WILLEY GREENWOOD.
FREDERICK WISE.

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COMPLETE SPECIFICATION.

An Improved Mechanical Flint Lighter.

- We, WILLEY GREENWOOD, of 1, Bonchurch Road, West Ealing, London, W. 13, and FREDERICK CHARLES WISE, of 1, Antrobus Road, Acton Green, Chiswick, London, W. 4, Scientific Instrument Makers, do hereby declare the
20 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 :—

The present invention relates to a flint lighter of the kind comprising a container of inflammable matter, a wick holder, and a pillar holding a flint and an abrasive wheel.

- 25 The invention consists in the first place in arranging the flint pillar in a horizontal position and at right angles to the wick holder so that the obstruction ordinarily formed by the wheel to the flame can be reduced and so that liquid getting onto the wheel does not flow down the tube to the flint. Moreover, the lighter is fixed with an arm pivotally held in a saddle-piece, which

arm carries at its free end a cap and a hood with which the wick and the wheel are normally covered.

In the accompanying drawing the invention is illustrated by a perspective view of the improved lighter.

The usual container *a* receives the inflammable liquid, the inlet for which is normally closed by a screw cap *b*. On the top plate of the container is a stem *c* which holds, parallel to the top, a pillar *d* containing the flint and also a spring which presses the flint against the abrasive wheel *e* held at one end of the pillar. At the other end of the pillar is a screw *f* by means of which the spring action can be modified. The wick holder *g* is upright on the container top and holds the wick so as to be exposed to the sparks from the flint. A saddle-piece *h*, also mounted on the container top, holds pivotally an arm *i* at the free end of which is attached a cap *k* which fits the end of the wick holder *g* and covers the wick. A hood *l* attached to the cap, covers the latter and also the wheel *e*. When the wick and the wheel are covered, the arm *i* is in juxtaposition with and parallel to the pillar *d*, as shown dotted in the figure. When the lighter is used, the arm is upright, as shown by full lines. The spring *m* retains the arm in both positions. The lighter can be used with one hand, the arm *i* being turned up with the thumb and the wheel *e* actuated with the fore finger.

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. In a flint lighter of the kind referred to, arranging the flint pillar in a horizontal position on the container and at right angles to the wick holder, substantially as and for the purpose set forth.
2. In a flint lighter according to Claim 1, an arm pivoted to a saddle-piece and holding at its free end a cap and a hood for covering the wick and the abrasive wheel when the arm is in horizontal position, and a spring for holding the arm either in the horizontal or in an upright position, substantially as set forth.

Dated this 17th day of September, 1919.

HANS & DANIELSSON,
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Agents for the Applicants.

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5th Edition

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

