

137,769

PATENT



SPECIFICATION

*Application Date, Aug. 14, 1919. No. 20,012/19.*

*(Patent of Addition to No. 119,141, Nov. 14, 1917.)*

*Complete Accepted, Jan. 22, 1920.*

COMPLETE SPECIFICATION.

**Improvements in Electric Cigar Lighters, Pipe Lighters  
and the like.**

We, MAX JOHN RAILING and REGINALD JOHN HAMILTON HILL, both of 67, Queen Victoria Street, London, Electrical Engineers, 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:—

5 This invention relates to electric cigar lighters, pipe lighters and the like and is an improvement in or modification of the invention described in the Specification of our Letters Patent No. 119,141.

In our said prior specification we have described an electric cigar lighter, pipe lighter or the like comprising a hollow conical support of refractory  
10 material grooved externally and wound with resistance wire, leads being provided by means of which current may be adjustably taken directly from any standard electric light supply.

According to the present invention we provide a replaceable tip to the conical support said tip being adapted to serve as the cigar or pipe lighter proper.

15 The tip is grooved externally and wound with suitable resistance wire and has a screw or other portion adapted to engage a corresponding portion on the main body of the lighter.

On the underside of the tip are contacts which when the tip is in position engage contacts on the conical support.

20 In order that the invention may be clearly understood reference will now be had to the accompanying drawing wherein the invention is illustrated by way of example.

Fig. 1 is an outside elevation of the conical support with the replaceable tip in position.

25 Fig. 2 is a sectional elevation of the conical support.

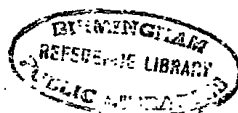
Fig. 3 is a plan view of the support.

Fig. 4 is a part section of the replaceable tip, and

Fig. 5 a view of the underside of the replaceable tip.

30 In this example *a* is the conical support of refractory material grooved externally and wound with resistance wire *d*. The support is provided with holes *c* spaced apart at correct intervals to receive the lead *e* and determine the length of wire winding in the grooves which will suit the voltage with which the device is to be used, and is more fully described in our prior specification. The lead *e* is connected to one of the contact pieces *n* on the block *o* and the lead *e*<sup>1</sup>

[Price 6d.]



is connected to the other contact piece whereby the lighter may be connected to the plungers of a bayonet lamp holder.

The replaceable tip *f* is provided with a threaded projection *g* adapted to engage a threaded opening in the support, and to be securely held therein.

The tip is grooved externally and wound with resistance wire *h* which may be similar to or dissimilar to that employed on the support *a*, and is provided with contacts *i* on the underside adapted, when the tip is in position on the support, to engage contacts *j* thereon. Fixing holes at *k* and *l* are provided for the resistance wire *h* and for the leads *m*.

The provision of the removable tip renders the lighter very economical as the tip can be replaced when worn out, it being possible to use the same support for a large number of tips.

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. An electric lighter for cigars, pipes and the like as described in the Specification of our prior Letters Patent, No. 119,141, in combination with a replaceable tip for the support, substantially as described.

2. An electric cigar and pipe lighter in accordance with Claim 1, wherein the replaceable tip is grooved externally and wound with resistance wire.

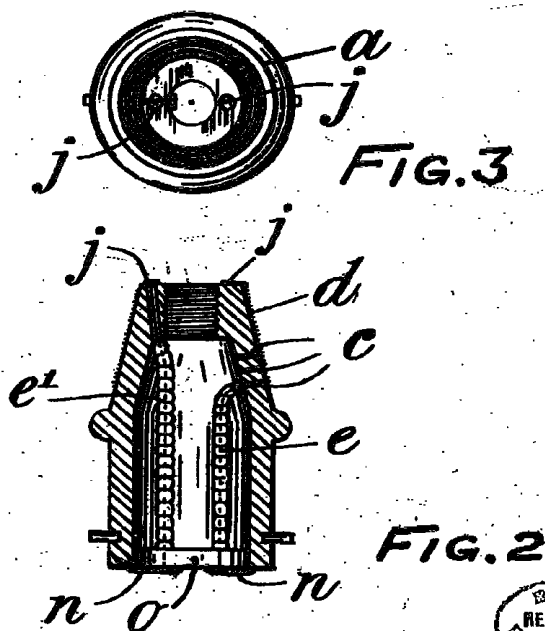
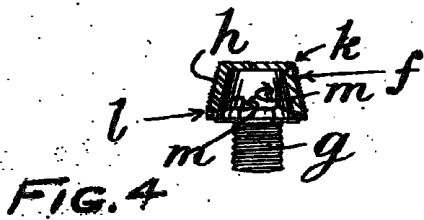
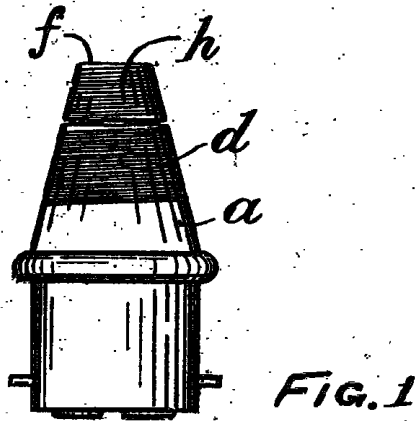
3. An electric cigar and pipe lighter in accordance with Claim 1, wherein the tip is provided with contacts adapted when the tip is in position to engage contacts on the supports.

4. An electric cigar and pipe lighter having its parts constructed, arranged and adapted to operate substantially as herein described and of which an example is illustrated on the drawings annexed.

Dated this 14th day of August, 1919.

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



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