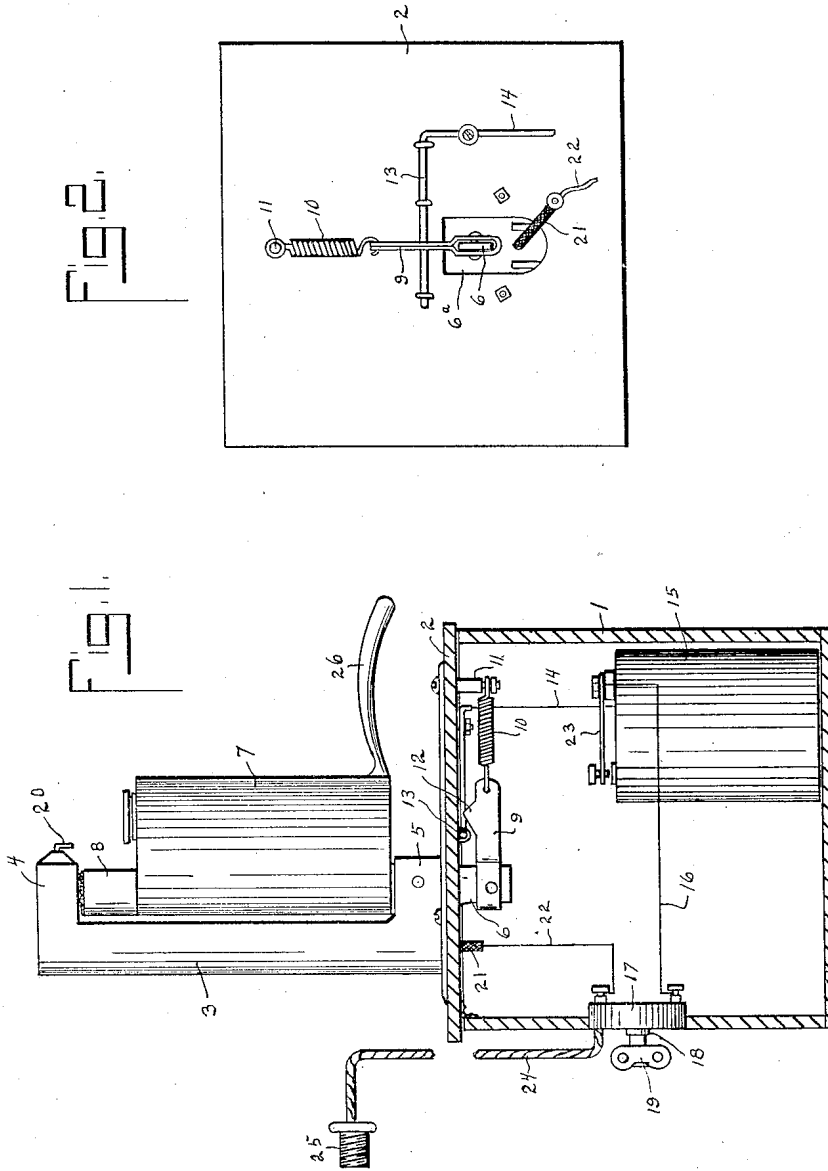


M. A. HEMMING.
CIGAR LIGHTER.
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1,328,516.

Patented Jan. 20, 1920.



Inventor

Maurice A. Hemming,
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UNITED STATES PATENT OFFICE.

MAURICE A. HEMSING, OF DAVENPORT, IOWA, ASSIGNOR TO DAVENPORT MANUFACTURING COMPANY, OF DAVENPORT, IOWA.

CIGAR-LIGHTER.

1,328,516.

Specification of Letters Patent.

Patented Jan. 20, 1920.

Application filed June 24, 1918. Serial No. 241,497.

To all whom it may concern:

Be it known that I, MAURICE A. HEMSING, a citizen of the United States, residing at Davenport, in the county of Scott and State of Iowa, have invented certain new and useful Improvements in Cigar-Lighters, of which the following is a specification.

My invention has reference to cigar lighters, and relates to improvements in such devices which are electrically lighted, and by means of what is known as "jump-spark" mechanism. It is specially adapted for use on board naval ships, in military cantonments, barracks, and other places where smoking is forbidden during certain hours.

In the drawings: Figure 1 shows my invention in side elevation, with the base thereof in vertical section, to more clearly illustrate the parts contained therein. Fig. 2 is a lower plan view of the cover 2.

1 represents a hollow base, or receptacle, provided with a lid 2, upon which is mounted a standard 3, of modified cylindrical form. The standard 3 is provided at its upper end with a forwardly projecting head 4, and at its lower end with a similarly projected foot 5, in which is pivoted an arm 6, extending downwardly through an opening 6^a in the cover 2. Supported on the arm 6 is a lamp 7, for holding oil or other inflammable fluid, at the upper end of which is a wick-tube 8, the upper end of which is normally just beneath the head 4.

Pivotally connected with the lower end of the arm 6 is a bar 9, attached by means of a contractile coiled spring 10 with a post 11 fixed to the lower face of the cover 2. The bar 9 has an upwardly projecting point 12, in rear of which a wire 13 is secured to the lid 2, transversely thereof. The wire 13 is connected by means of a wire 14 with a transformer 15, which transformer is connected by a wire 16 with a switch-block 17 in the rear of the base 1, such switch being provided with a key-plug 18, and removable key 19.

The head 4 is provided with an insulated point 20, projected downwardly, and connected by means of an insulated wire 21 and wire 22 with the switch-block 17. The transformer 15 is provided with a vibrating device, as at 23, and connected with the switch-block 17 is a cord 24 and plug 25, by means of which connection can be made

with the usual lighting system of a ship or building.

When the lamp 7 is rocked forwardly, by means of the handle 26 thereof, the point 12 is drawn across the wire 13, closing the electric circuit. Coincidentally therewith the upper end of the wick-tube 8 passes beneath the end of the point 20, and a series of sparks are produced between the point and tube, resulting in the ignition of the wick. When the pressure on the handle 26 is removed, the spring 10 causes the arm 6 and lamp 7 to return to their former position, the light being automatically extinguished by the head 4.

In camps, barracks, and on board naval vessels, at a certain hour in the evening all lights in quarters are expected to be extinguished, so that those not on duty can secure the requisite amount of sleep and rest. In such places where my device would be installed, the proper officer would, upon the arrival of such hour, turn the key in the switch-block, to shut off the current from the lighter, and then remove the key, preventing operation of the machine until such hour when the use thereof could be resumed, whereupon the officer would again make use of the key, and turn on the current. By this means the danger of fire resulting from the use of such devices would be reduced to a minimum.

What I claim as my invention, and desire to secure by Letters Patent of the United States, is:

1. A device of the class described, comprising a hollow base; a standard mounted on said base, and provided with a forwardly projected head; a lamp provided with a downwardly extending arm pivotally supported on said base, and having a wick-tube normally beneath said head; a spring-controlled bar pivoted to said arm, and provided with a point on one of its edges; a terminal supported in said base in the path of said point when said bar is reciprocated; a point in the head of said standard in proximity to said wick-tube; and means for imparting electrical energy to said point and operable by a key removable therefrom, and to said terminal, to produce a series of sparks between said last-named point and wick-tube, upon said lamp being suitably rocked.

2. In combination with a suitably mount-

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ed standard, provided at its upper end with an electric terminal, and a lamp rockingly mounted and provided with a wick-tube in proximity to said terminal; a
5 spring-controlled bar operatively connected with said lamp and provided with a circuit-closing member; a wire terminal supported in the path of said circuit-closing member; and means for imparting a supply of elec-
10 trical energy to said terminals and being operable by a key removable therefrom.

3. In a device of the class described, a suitably mounted standard, provided with an electric terminal; a lamp rockingly
15 mounted adjacent to said standard and provided with ignition devices in proximity to said terminal; a spring-controlled bar operatively connected with said lamp, and provided with circuit-closing means; a terminal
20 in the path of said last-named means; a switch-block adapted for connection with the electric wire of a commercial electric system, and provided with a key-plug; con-

necting means between said switch-block and said first-named terminal; connecting
25 means between said switch-block and said last-named terminal; and means for reducing the force of the current supplied to said last-named terminal.

4. In a device of the class described, a
30 suitably mounted standard, provided with an electric terminal; a lamp rockingly mounted and adapted for electrical engagement with said terminal; a circuit-closing member operatively connected with said
35 lamp; a terminal mounted in the path of said member; a switch-block adapted for connection with an electric light system, and operable by a key removable therefrom; means of connection between said switch-
40 block and said terminals; and means for reducing the force of the electrical current between said switch-block and one of said terminals.

In testimony whereof I affix my signature. 45
MAURICE A. HEMSING.