

No. 725,061.

PATENTED APR. 14, 1903.

J. J. FLEMING.
CIGAR LIGHTER.

APPLICATION FILED MAY 27, 1902.

NO MODEL.

Fig. 1.

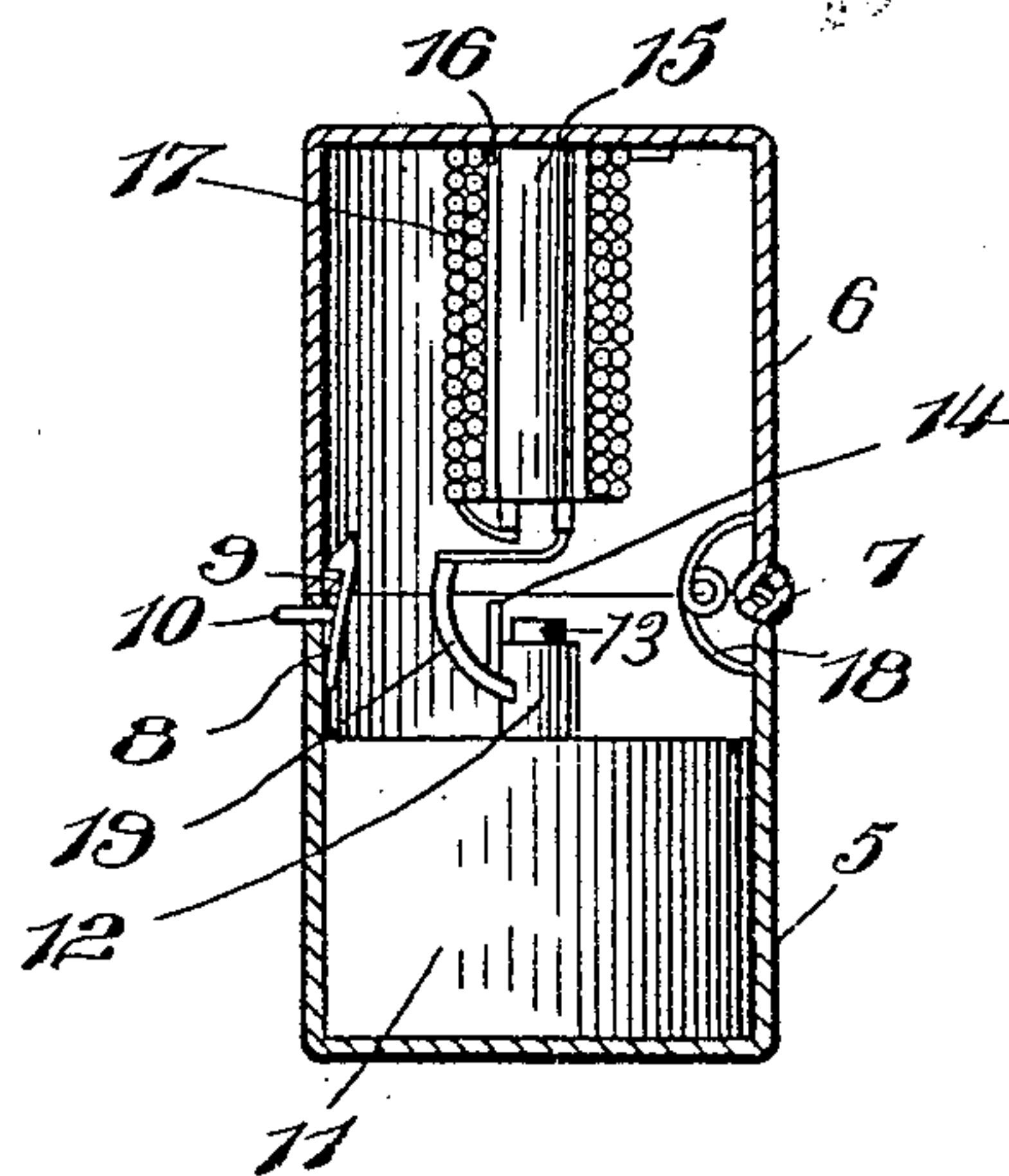
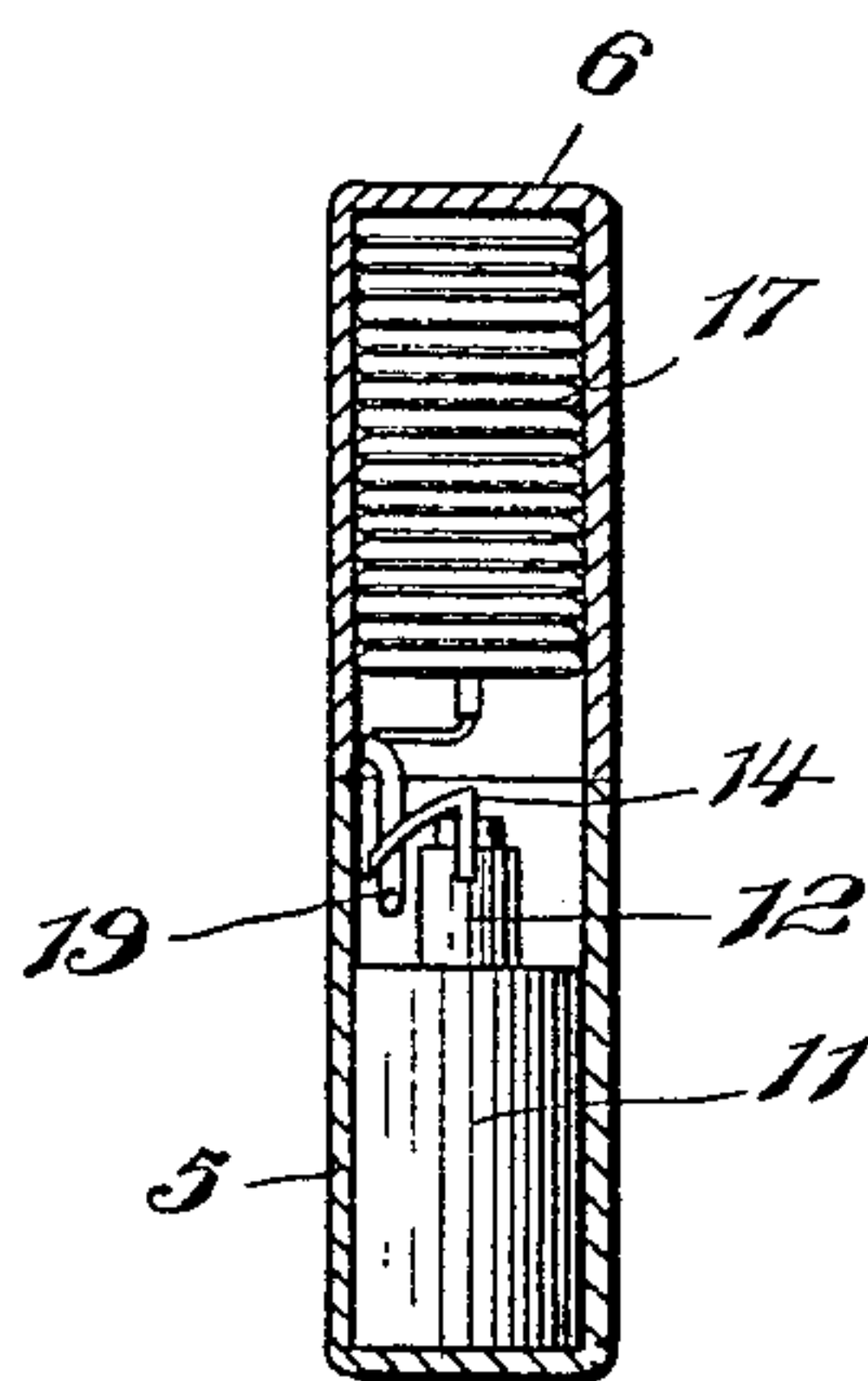


Fig. 2.



Witnesses

T. P. Brett
Harry Ellis Chandler

Inventor

J. J. Fleming

By

Charles Chandler

Attorneys

CIGAR-LIGHTER.

SPECIFICATION forming part of Letters Patent No. 725,061, dated April 14, 1903.

Application filed May 27, 1902. Serial No. 109,140. (No model.)

To all whom it may concern:

Be it known that I, JAMES J. FLEMING, a citizen of the United States, residing at Elk Garden, in the county of Mineral, State of West Virginia, have invented certain new and useful Improvements in Cigar-Lighters; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to cigar-lighters, and more particularly to the class of pocket cigar-lighters, and it has for its object to provide a simple device of this nature which when not in use may be carried in the pocket and which will include a casing which when opened will automatically ignite a lamp, from which the cigar or cigarette may be lighted.

A further object of the invention is to provide a construction wherein the several parts will be compactly arranged, so as to occupy the smallest possible space while securing an efficient operation.

Other objects and advantages of the invention will be understood from the following description.

In the drawings forming a portion of this specification, and in which like numerals of reference indicate similar parts in the several views, Figure 1 is a vertical section through the device with the casing closed. Fig. 2 is a vertical section at right angles to Fig. 1, portions of the structure being shown in elevation.

Referring now to the drawings, the present lighter comprises a casing including a lower portion or body 5 and an upper portion or cover 6, the box being preferably elliptical in cross-section, so as to occupy a minimum of space. The body and cover are connected by means of a spring-hinge 7, which tends to hold the cover or lid in raised position, and the body has a spring-latch 8, which is adapted to engage the lug 9 on the lid to hold the box or casing closed, the latch being disengaged from the keeper by pressure on the stud 10, which is exposed through a perforation in the body 5. When the stud is pressed, the casing flies open.

In the body 5 is the font 11 of a lamp, from which projects the burner 12, provided with a

wick 13, and on the side of the burner or wick-tube 12 is a hook 14 of refractory metal.

In the lid or cover 6 is arranged a dry battery 15, inclosing which is a covering 16 of soft-iron wires, over which is wound a helix 17 of insulated copper wire to form a spark-coil, one terminal of the spark-coil being connected to a pole of the battery 15, while the other terminal is connected or soldered fast to the metal of the lid, so that it is electrically connected to the hook 14 through the hinge 7 and the metal of the body and wick-tube. To insure efficient electrical connection between the parts, the helical spring 18 of the hinge 7 has its ends soldered to the metal of the body and lid, respectively. Mounted upon the inner face of the lid 6 and insulated therefrom is a spring-finger 19, which lies with its free end portion normally beneath the hook 14, and when the lid is raised this finger engages the hook and is then snapped from it to produce a spark, the finger being connected with the second pole of the battery 15.

It will thus be seen that a simple and compact article is provided and one in which by pressing the stud produces a flame, the font 11 being filled with alcohol, gasoline, or some other highly-volatile fuel, which will be ignited from the spark produced.

In practice modifications of the specific construction shown may be made and any suitable materials and proportions may be used for the various parts without departing from the spirit of the invention.

What is claimed is—

1. A device of the class described, comprising a body and a lid having a spring-hinge connecting them and adapted to hold the lid yieldably in open position, a wick in the body to be ignited, a battery and a spark-coil in the lid and contacts carried by the body and lid respectively and in circuit with the battery and spark-coil, said contacts being disposed for engagement and subsequent disengagement when the lid is moved to open position.

2. A device of the class described comprising a body containing a lamp including a wick and an electrical contact adjacent to the wick, a lid having a spring-hinge connecting it with the body and adapted to hold the lid yieldably in open position, a spring-latch for

holding the lid in closed position and having
a thumb-piece projecting from the body, an
electrical contact carried by the lid and ar-
ranged to engage the first-named contact and
5 subsequently disengage it when the lid is
raised, and a source of electricity within the
lid and with which the contacts are connected.

In testimony whereof I affix my signature
in presence of two witnesses.

JAMES J. FLEMING.

Witnesses:

EDDIE MOORS,
FRANK JONES.