

(No Model.)

H. E. MOSS.
MATCH LIGHTER.

No. 455,348.

Patented July 7, 1891.

Fig. 1.

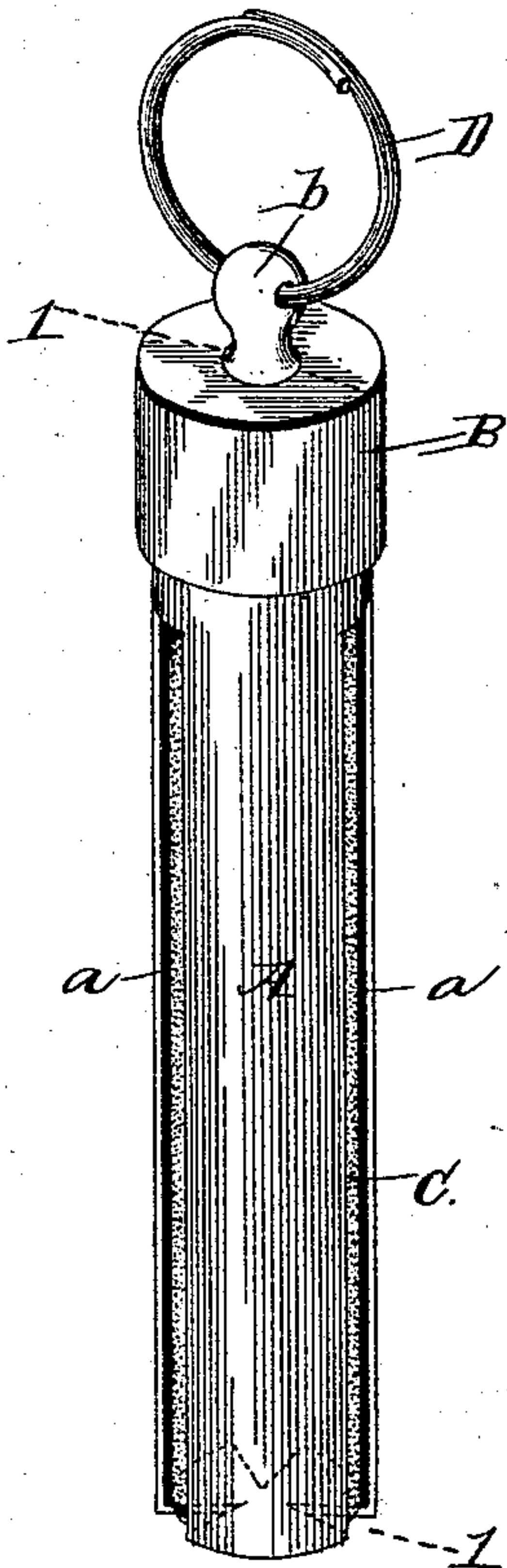


Fig. 2.

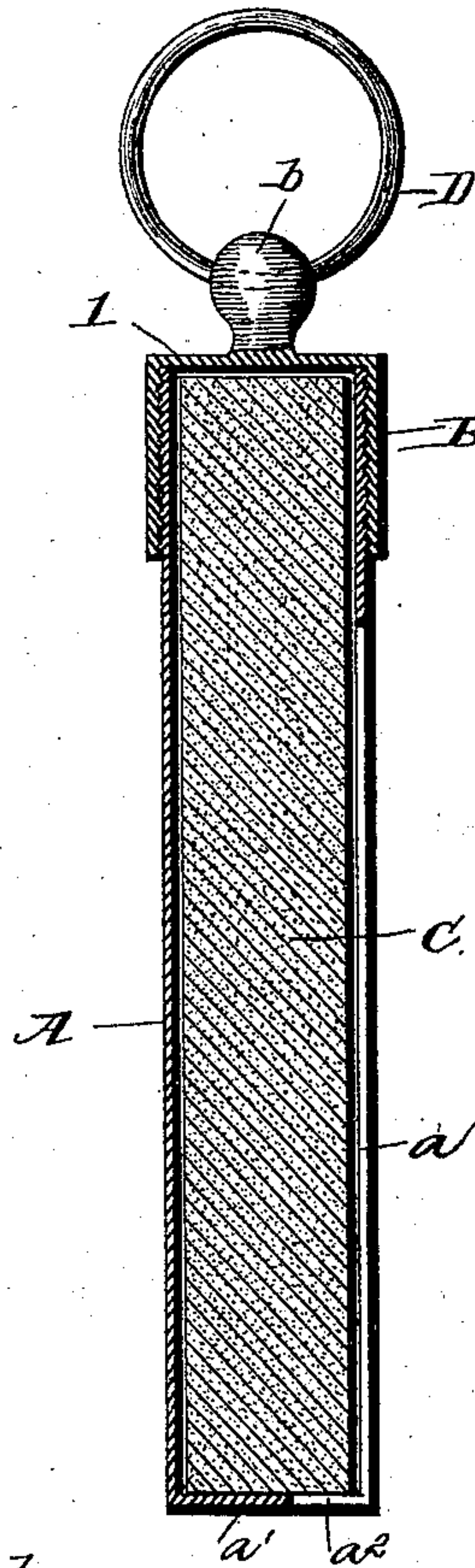


Fig. 3.

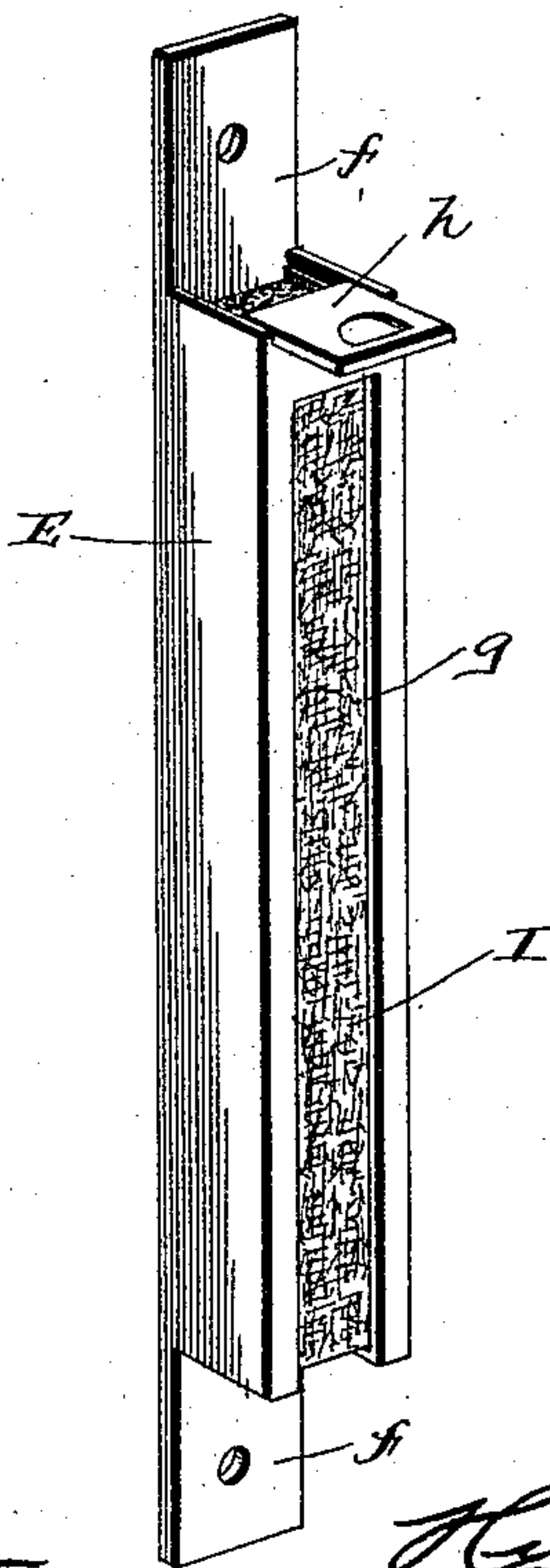


Fig. 4.

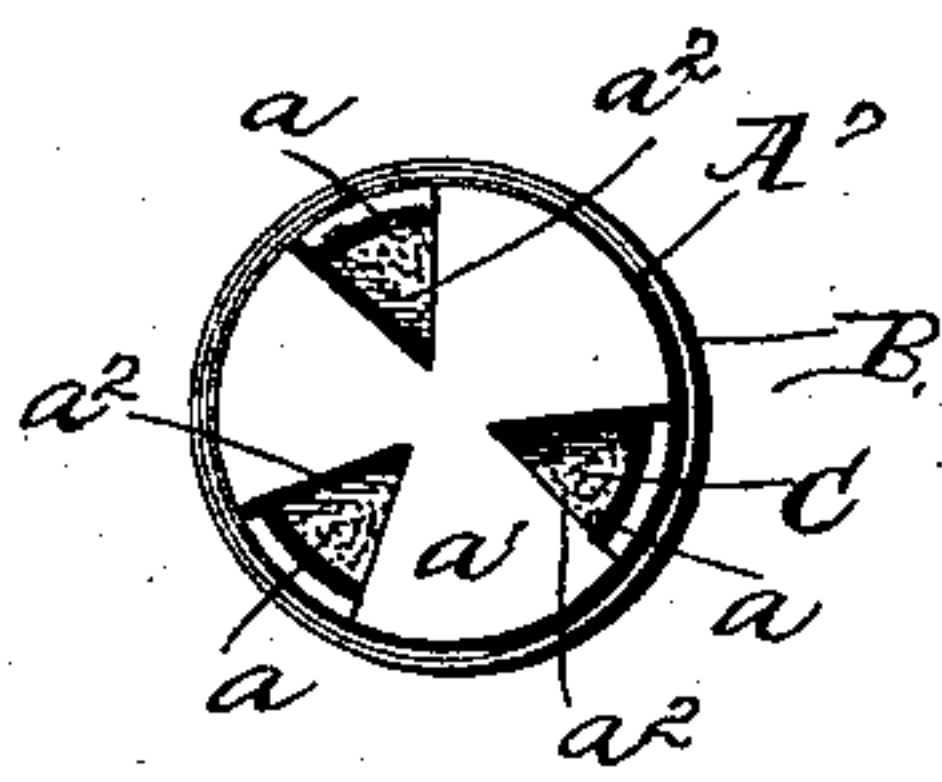
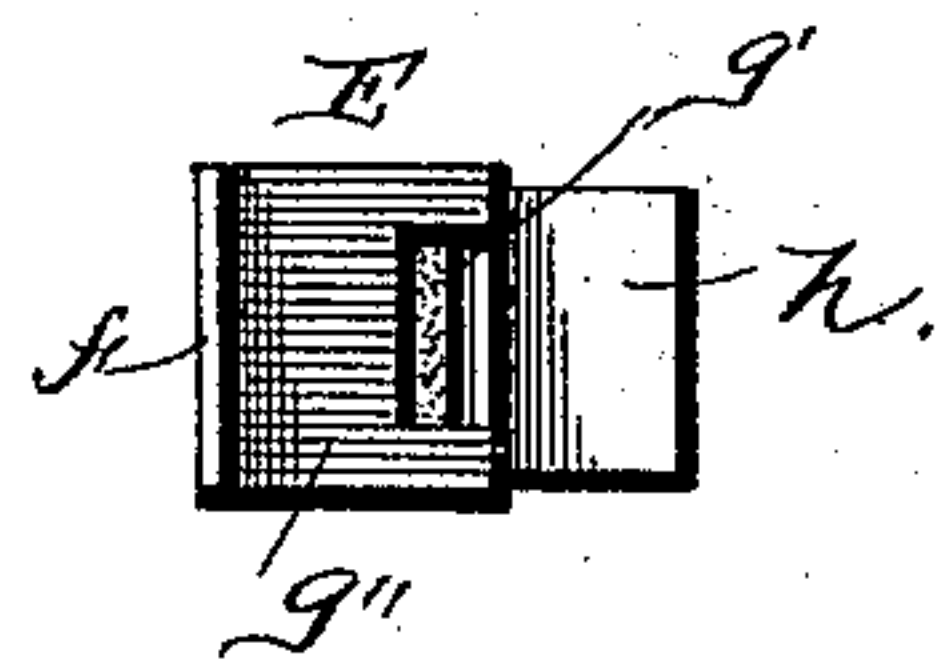


Fig. 5.



Witnesses.

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UNITED STATES PATENT OFFICE.

HENRY E. MOSS, OF KANSAS CITY, MISSOURI.

MATCH-LIGHTER.

SPECIFICATION forming part of Letters Patent No. 455,348, dated July 7, 1891.

Application filed January 30, 1891. Serial No. 379,734. (No model.)

To all whom it may concern:

Be it known that I, HENRY E. MOSS, of Kansas City, Jackson county, Missouri, have invented certain new and useful Improvements in Match-Lighters, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to appliances for igniting matches, fusees, and similar flame-producing devices by rubbing or frictional contact with a suitable roughened or other friction-surface; and the object of my invention is to produce a simple, cheap, ornamental, and durable match-lighter, which shall be capable of efficient service in a great variety of situations.

To the above purpose my invention consists in certain peculiar and novel features of construction and arrangement, as hereinafter described and claimed.

In order that my invention may be fully understood, I will proceed to describe it with reference to the accompanying drawings, in which—

Figure 1 is a perspective view of one form of my improved match-lighter. Fig. 2 is a transverse vertical section of the same on the line 11 of Fig. 1. Fig. 3 is a perspective view of a modified form of the match-lighter. Fig. 4 is an inverted plan view of the structure shown in Figs. 1 and 2. Fig. 5 is an inverted plan view of the structure shown in Fig. 3.

In Figs. 1, 2, and 3, A designates the casing of the lighter, which is preferably of elongated cylindrical form, as shown, but which may, if preferred, be of other than circular form in cross-section. At its upper end the casing A is closed by a removable cap B, which is preferably internally screw-threaded to fit the externally screw-threaded upper end of the casing. In case the casing A is other than circular in cross-section the cap B may be retained upon the casing by frictional engagement, or in any other manner which will insure a firm connection of the two parts and at the same time permit the cap to be readily separated from the casing. This casing and cap are preferably of sheet metal, and may be more or less ornamented, as desired. Within the casing is placed a core or body C of fire-brick, emery, composition, vitrified

clay, or any other material which possesses a sufficiently rough external surface to ignite the head of a match or similar article when rubbed thereon.

In external form and size the core C corresponds with the internal contour of the casing, so as to completely fill the same and turn axially therein, when desired. The sides of the casing A are formed with any suitable number of longitudinal slots *a*, (three of such slots being shown,) the lower ends of which are open, as shown. Thus the external surface of the interior core C is partially exposed through the slots *a*, so that the head of the match can be readily applied to the core for lighting, while there is no possibility of breaking off either the head or stem of the match by striking any obstruction at the lower ends of the slots. The bottom *a'* of the casing A is formed with a number of V-shaped openings *a''*, which correspond with the slots *a* above described, and the outer wider parts of which are in open communication with the lower ends of said slots, as shown, thus insuring the removal of any obstruction to the contact of the match-head with the lower end of the body C. The cap B is in this instance shown as provided with a knob *b*, through which extends a split ring D, the said arrangement permitting the lighter to be readily connected to and detached from a gas-chandelier or other convenient object.

In Fig. 3 the casing E is of elongated form, as before, but is of rectangular form in cross-section. The back of the casing E is longer than the sides, so as to form an ear *f* at each end of said back. These ears are preferably each formed with a hole through which a screw or nail or similar device is driven to attach the casing to the wall, or in other convenient situation. The front of the casing E is formed with a longitudinal slot *g*, extending from near the upper end of the casing to the bottom thereof. The lower end of this slot is open and communicates with an opening *g'* in the bottom *g''* of the casing, so that all liability of the match being broken while being lighted is avoided, as before. The upper end of the casing E is closed by a removable slide *h*, which when closed retains the core I in position within the casing, while when opened said slide permits the core to be

readily placed within and removed out of the casing. The core I is similar in respect of material to that previously described, but is in the present instance of elongated rectangular form, and of such size as to fill the interior of the casing, and the core can be turned, when necessary, to bring fresh surface into exposure at the slot *g*.

From the above description it will be seen that I have produced a simple, durable, and inexpensive device, which is capable of use in a great variety of locations, and which renders it unnecessary to deface the walls and other parts of the premises in lighting matches and similar articles.

Having thus described my invention, what I claim as new therein, and desire to secure by Letters Patent, is—

1. An improved match-lighter comprising

a tubular casing having one or more elongated openings in its side and opening at the lower end of the casing, and a separate mass of frictional material filling the interior of the casing and having its external surface exposed through the casing, substantially as set forth.

2. An improved match-lighter comprising a tubular casing having one or more openings in its side, a mass of separate frictional material conforming to and filling the interior of the casing, and a removable top for the casing, substantially as set forth.

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

HENRY E. MOSS.

Witnesses:

G. Y. THORPE,

H. E. PRICE.