

E. S. MAY.  
 Lighting-Device for Cigars, &c.  
 No. 196,468.                      Patented Oct. 23, 1877.

Fig. 1.

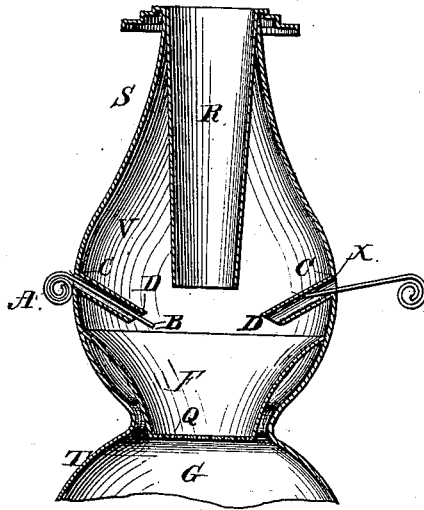


Fig. 2.



Fig. 3.



Fig. 4.

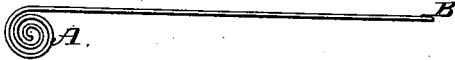


Fig. 5.



Attest.  
 Cha<sup>s</sup> Leass.  
 J. D. Hamilton

Inventor.  
 Edward S. May.

# UNITED STATES PATENT OFFICE.

EDWARD S. MAY, OF CAMPBELLTOWN, NEW YORK.

## IMPROVEMENT IN LIGHTING DEVICES FOR CIGARS, &c.

Specification forming part of Letters Patent No. **196,468**, dated October 23, 1877; application filed July 9, 1877.

*To all whom it may concern:*

Be it known that I, EDWARD S. MAY, of Campbelltown, in the county of Steuben and State of New York, have invented a new and useful Improvement in Lighters for Tobacco-Pipes and Cigars, which said improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 is a sectional view of a coal-stove with my lighter. Fig. 2 is a side view of the tube and rod, which, combined, constitute the lighter detached. Fig. 3 is a longitudinal section of the tube with rod inserted. Fig. 4 is a view of the rod detached from the tube, and Fig. 5 is a perspective view of the tube without the rod.

Similar letters of reference indicate corresponding parts in all the figures.

My invention relates to devices for the convenient lighting of cigars, tobacco-pipes, &c.; and it consists in the combination, with a stove, lamp, or lantern, of a tube containing a lighting-rod, which extends into the fire or flame of the stove, lamp, or lantern, substantially as hereinafter more fully described.

In the drawing, the letters S V T represent a vertical section of the shell of a coal-stove, having the magazine R, fire-pot F, grate Q, and ash pit or receiver G. The stove may, however, be of any other suitable construction, as my invention is alike applicable to all kinds of stoves, as well as to lamps and lanterns. Into the shell of the stove are inserted one or more (preferably iron) tubes, C D, projecting slantingly into the fire-pot, as shown. A B is a metal wire, coiled at one end, as shown at A, with the straight end B projecting through tube C D, and out at the end D down into the live coals or flame. The coiled end A may, if desired, be covered and protected with an ornamental cap, serving as a handle.

From the foregoing description, taken in connection with the drawing, the operation of my invention will be readily understood.

Under ordinary circumstances rod A B is left partially withdrawn from the tube, as shown at X in Fig. 1, so as to prevent unnecessary waste of the rod by gradual burning away; but when it is desired to use the lighter, rod A B is pushed down through the tube till its end enters the live coals or flame, when it will soon be heated to a red heat, sufficient to ignite the tobacco, when it is withdrawn by its handle end A, and the heated end B applied to the pipe or cigar. By coiling one end, a reserve, from which the rod A B may be fed forward as its end is gradually consumed, is obtained, so that the straight end of the rod may always be of the requisite length to reach the hottest part of the fire or flame.

It is obvious that the tubes C D may be made separate and inserted into the shell of the stove, lamp, or lantern, or made in one piece therewith, and also that suitable devices may be used for retaining rod A B, when not in use, in the position represented at X, Fig. 1.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

In combination with a stove, lamp, or lantern, the lighting device herein shown and described, consisting of the tube C D and rod A B, the coiled head A of the latter constituting a reserve, from which the rod may be fed forward as its end is gradually consumed, so as to be always of the requisite length, substantially as and for the purpose hereinbefore set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

EDWARD S. MAY.

Witnesses:

CHAS. CASS,  
J. D. HAMILTON.