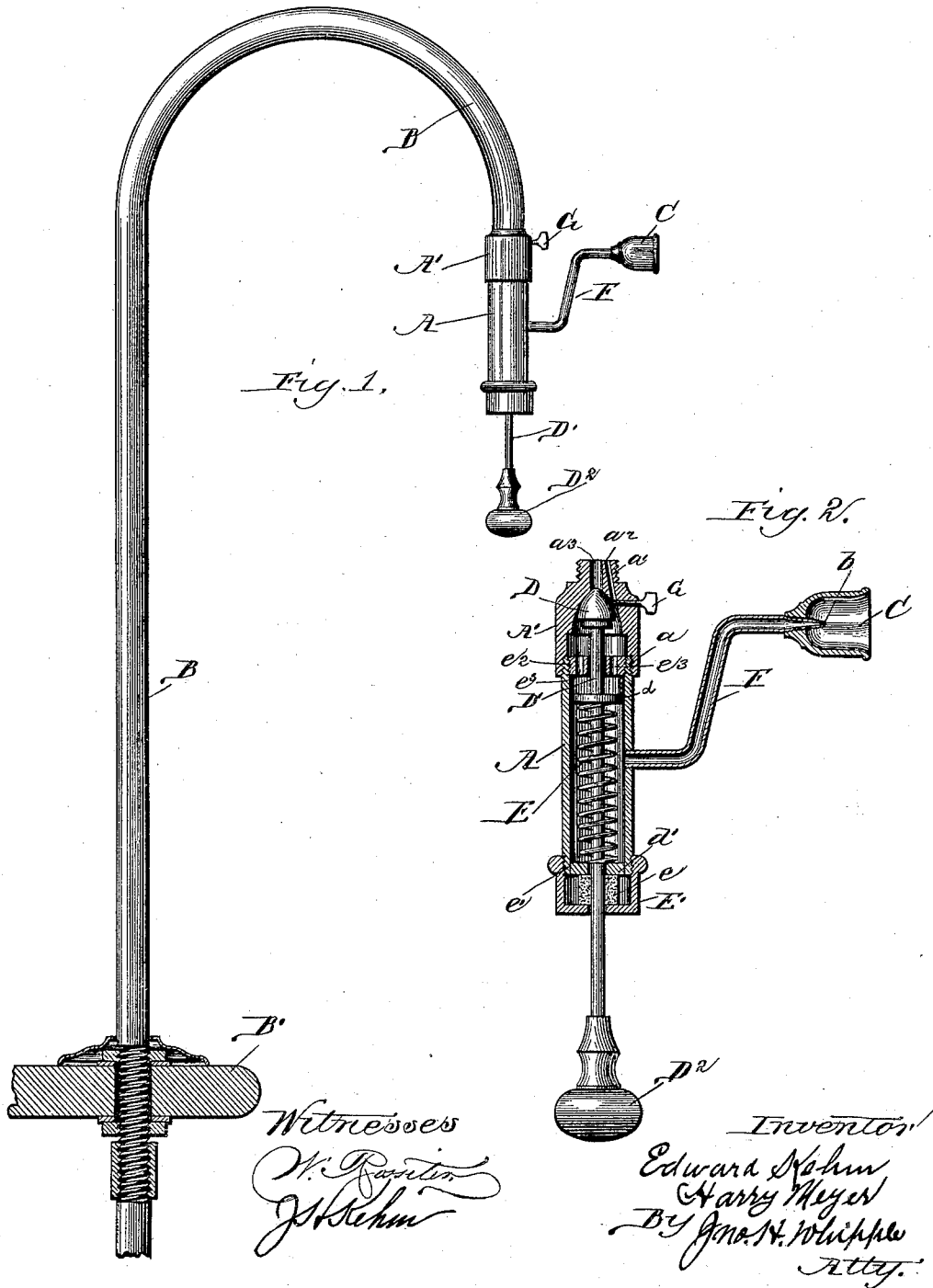


(No Model.)

E. KEHM & H. MEYER.
CIGAR LIGHTER.

No. 419,856.

Patented Jan. 21, 1890.



UNITED STATES PATENT OFFICE.

EDWARD KEHM AND HARRY MEYER, OF CHICAGO, ILLINOIS.

CIGAR-LIGHTER.

SPECIFICATION forming part of Letters Patent No. 419,856, dated January 21, 1890.

Application filed July 23, 1889. Serial No. 318,450. (No model.)

To all whom it may concern:

Be it known that we, EDWARD KEHM and HARRY MEYER, of Chicago, in the State of Illinois, have invented certain new and useful Improvements in Cigar-Lighters, of which the following is a specification.

Our invention relates to gas cigar-lighters; and it is the object of our improvements to provide a cup-shaped burner in conjunction with a pipe or chamber having a small port for gas to supply a small igniting-flame and a larger port for gas to supply a flame equal to the full capacity of the burner for lighting cigars, said larger port being provided with a spring-pressed valve in connection with a handle for operating said valve, whereby such larger port is held normally closed. This object we have attained in the lighter constructed as shown in the accompanying drawings, in which—

Figure 1 is a side elevation of a lighter containing our invention as applied to a gas-supply pipe. Fig. 2 is an enlarged central section of the lighter detached, showing the interior arrangement of the ports and the valve and spring.

In the drawings, A designates a cylindrical chamber made of a piece of tube or pipe, preferably larger than the supply-pipe, and having a cap or coupling-piece A' connected by a screw-thread at *a*, and having a thread at *a'* for connecting it with the supply-pipe B in the ordinary way. Said supply-pipe is supported upon a table or counter B', and is adapted to support the lighter in an easily-accessible position for lighting a cigar. The cap A' has a port *a*², for allowing a small stream of gas to flow uninterruptedly from the supply-pipe to the chamber A to feed a small igniting-flame at the tip *b* of the burner, which is provided with a cup C. Said cap also has a larger port *a*³, closed by a valve D on the upper end of a rod D', which rod extends through chamber A and has a knob or handle D² on its lower end. Near the upper end said rod is provided with a fixed collar *d*, against which a spring E bears for the purpose of holding the valve on said rod normally closed. The lower end of the spring

rests on a piece *d'*, fitted into the lower end of said chamber-cylinder, said piece resting on a yielding packing *e*, held between it and the bottom piece E', which fits over the lower end of chamber A, and is fastened thereto by a screw-thread at *e'* in such manner as to hold the packing and permit an easy movement of the rod D' through the same without permitting any escape of gas. At the top of said chamber there is a piece *e*² screwed into the end of the tube and provided with perforations *e*³, for permitting the gas to pass through into said chamber. The rod D' passes through a hole in this piece, which serves as a guide to said rod and properly directs the movement of the valve onto its seat.

The burner is connected to a pipe F, which communicates with chamber A. The valve D normally closes the port *a*³; but the port *a*², being open, allows a small stream of gas to pass, just sufficient to keep a very small igniting-flame burning on the tip of the burner, so that a slight pull down on the handle D² will open the port *a*³ and allow the full pressure of gas to pass to the burner, thereby creating a large flame extending out of the mouth of the cup C for lighting a cigar. As soon as the pull is released the spring will close the valve automatically, and thereby prevent any wasteful consumption of gas. The port *a*² is provided with a stop-cock G, for regulating or completely shutting off the gas through said port when required.

What is claimed is—

In a cigar-lighter, and in combination, the chamber A, having the cap A' at the top, with ports *a*² and *a*³, and the pieces *d'* and E' at the bottom, the spring-valve D, for closing the port *a*³, the rod D', extending down through the pieces *d'* and E' and terminating in a handle D² below said chamber for operating said valve, and a yielding packing held between the pieces *d'* and E', as and for the purpose specified.

EDWARD KEHM.
HARRY MEYER.

Witnesses:

J. H. KEHM,
JNO. H. WHIPPLE.