

No. 764,565.

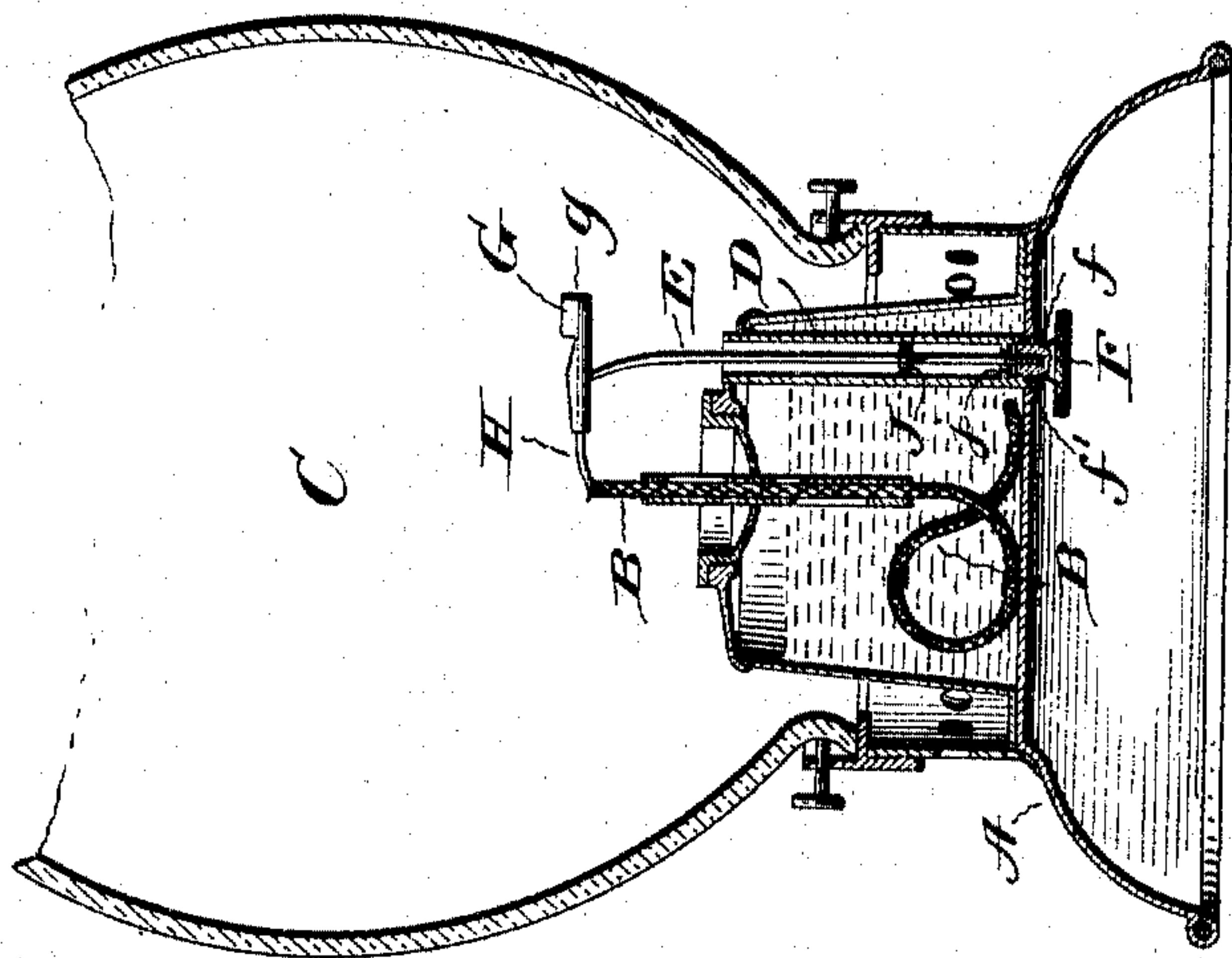
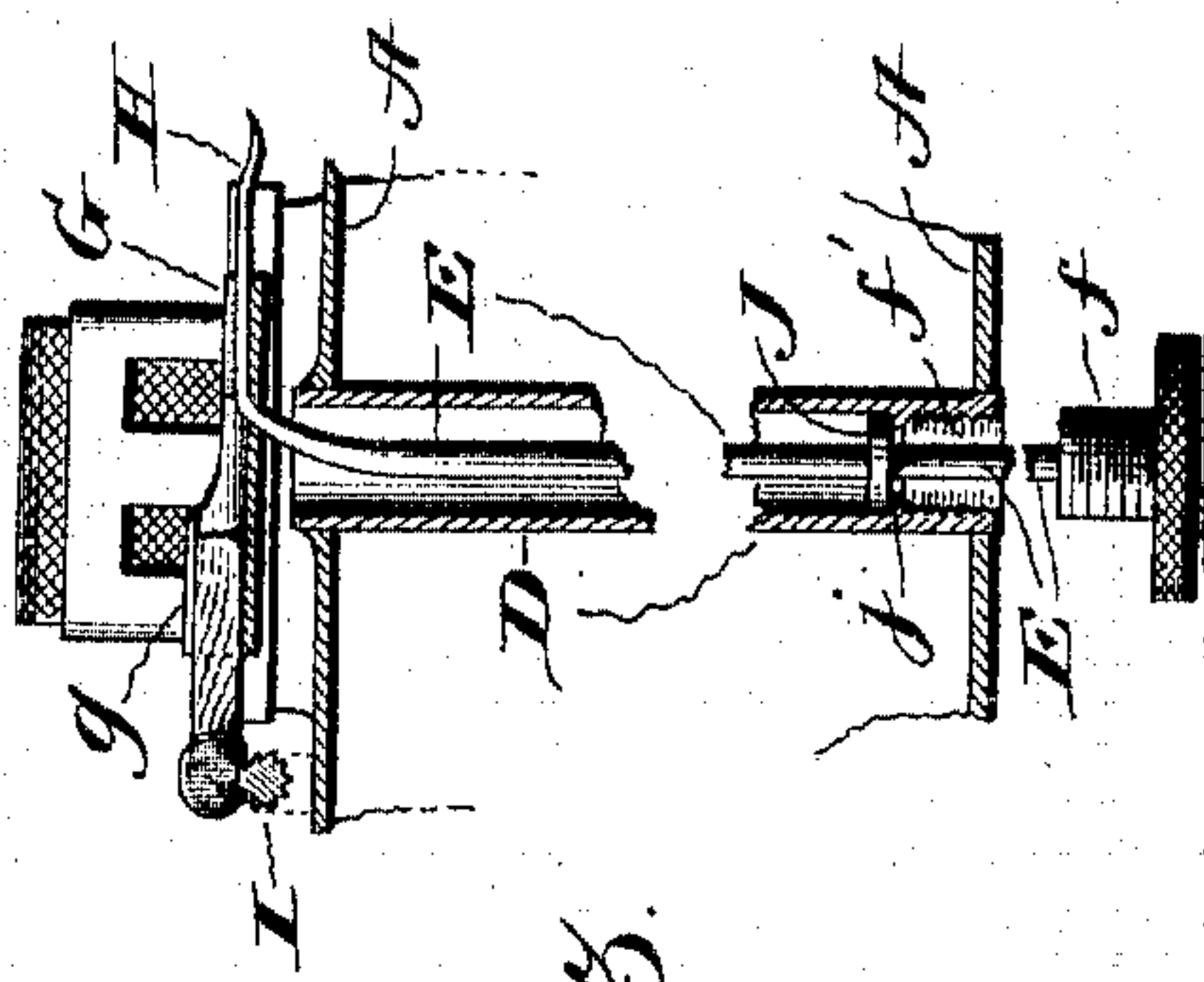
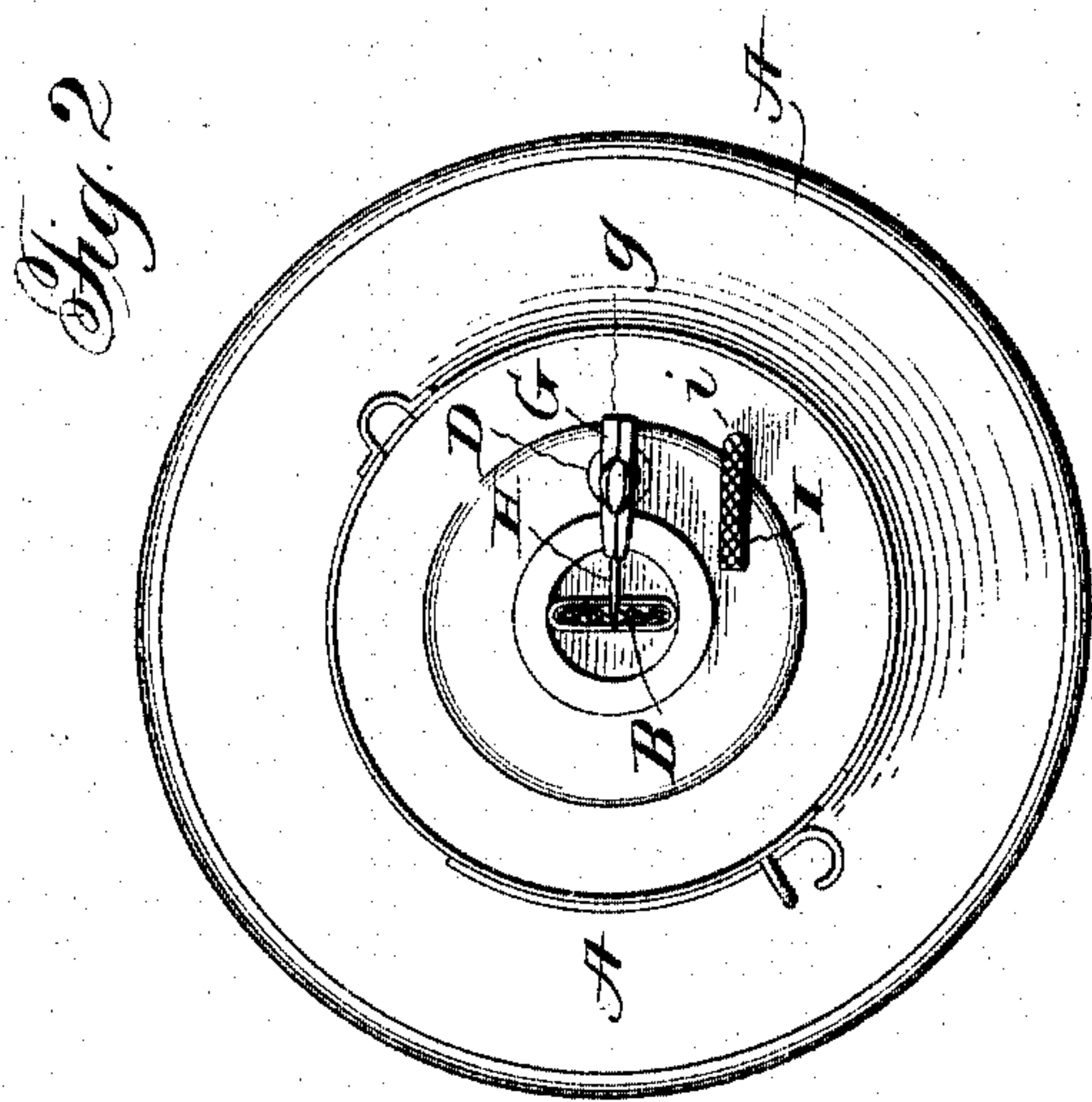
PATENTED JULY 12, 1904.

J. ECKERT.

LANTERN ATTACHMENT.

APPLICATION FILED SEPT. 29, 1903.

NO MODEL.



Witnesses:  
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Atty



# UNITED STATES PATENT OFFICE.

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## LANTERN ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 764,565, dated July 12, 1904.

Application filed September 29, 1903. Serial No. 175,089. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN ECKERT, a citizen of the United States, residing at Danville, in the county of Montour and State of Pennsylvania, have invented new and useful Improvements in Lantern Attachments, of which the following is a specification.

This invention relates to an improvement in lantern attachments, and has for its object the provision of novel means for lighting the same and for trimming the wick thereof.

The invention comprehends a structure wherein means are employed within the globe or chimney of a lantern for igniting a match or the like and for shifting such ignited device into proximity with the wick, whereby the same may be readily lighted notwithstanding any abnormal conditions exterior to the lantern, such as high winds or rain, which so often interfere with the ready lighting of lanterns utilized outdoors; further, such means, in combination with instrumentalities whereby undue air is prevented entering the interior of the lantern and also means preferably operatively associated with the actuating instrumentalities of the igniting means for trimming the wick of the lantern.

The novel details in the construction and arrangement of the several parts of the attachment will be apparent from the detailed description hereinafter when read in connection with the accompanying drawings, forming a part hereof, and wherein a preferable embodiment of the invention is illustrated.

In the drawings, Figure 1 is a vertical sectional view through a lantern provided with the present improvements. Fig. 2 is a plan view, and Fig. 3 is a fragmentary sectional view showing the parts in a position different from that shown in Fig. 1.

Referring more specifically to the drawings, wherein like reference characters refer to corresponding parts in the several views, A designates the base or font of a lantern of any ordinary or preferred construction, B the wick thereof, and C the globe or chimney surrounding the burner, as is usual. Extending vertically through the font and opening through the base thereof and also at a point adjacent to the wick is a tube D, through which works

a stem E, said stem carrying at its lower end an operating-knob F, designed not only to manipulate the stem in a manner to be hereinafter more fully pointed out, but also normally to maintain the parts in a fixed relation and, further, to act as a plug for closing the lower opening of the tube against ingress of air. For these purposes the knob is exteriorly threaded, as at *f*, to engage the correspondingly interiorly-threaded portion *f'* of the tube. (See particularly Fig. 1.) At the upper end of the stem E, I secure a horizontally-disposed tubular holder G, into one end of which a trimmer H is fitted in such a manner that as the same is rotated by means of the operating-knob F said trimmer will travel across the wick B and scrape off the charred portions thereof in an obvious manner. The opposite end of the holder is formed into a socket *g* for the reception of a match-stem, and occupying a horizontal plane somewhat beneath the holder there is a roughened metallic arm I, secured at *i* to the lantern-body. The arrangement of this roughened arm is such that when the stem E is manipulated the head of the match is drawn thereacross and sufficient friction created to properly ignite the match.

In operation, a match having been properly inserted in the socket end of the holder G previous to the application of the chimney or globe C, it is simply necessary to rotate the operating-knob F to unscrew the same from engagement with the tube E, when the same may be drawn downwardly into the position shown in Fig. 3 and rotated to ignite the match. Thereafter said stem may be elevated sufficiently and rotated to bring the ignited end of the match into such close proximity to the wick B as to light the same. A similar rotary operation of the shaft previous to the ignition of the match will trim the wick, as hereinbefore stated. When the stem is in its lowered position, Fig. 3, and during the rubbing of the match over the roughened arm I, the lower end of the tube E is closed against the ingress of air through the medium of a valve J, carried by the same and arranged to engage the seat *j* on the interior of said tube.

It is to be understood that slight changes



may be made in the structural details and arrangements of the parts herein disclosed without departing from the invention sought to be protected herein and defined by the heretofore appended claims.

Having thus described the invention, what is claimed as new, and desired to be secured by Letters Patent, is—

1. In combination with a lantern, a rotatable match-holder on the interior of the globe thereof, means whereby the match may be ignited, and operating means for said holder including a stem passing through a tubular opening in the font of the lantern, and means for operating said stem comprising a plug carried by the stem and fixed against longitudinal movement thereon having a detachable interlocking engagement with the font.

2. In combination with a lantern, a rotatable match-holder on the interior of the globe thereof, means whereby the match may be ignited, and operating means for said holder including a slidable stem passing through a tubular opening in the font of the lantern, means for operating said slidable stem comprising a plug having an interlocking engage-

ment with the font, a valve carried by said slidable stem, and a seat for said valve on the interior of said tubular passage.

3. In combination with a lantern, a rotatable holder on the interior of the globe thereof, means for operating said holder including a stem passing through a tubular passage in the font, a valve on said stem, and a seat in said tubular passage for said valve.

4. In combination with a lantern, a rotatable holder on the interior of the globe thereof, means for operating said holder including a slidable stem passing through a tubular passage in the font, a valve on said slidable stem, a seat in said tubular passage for said valve, and means for operating the slidable stem comprising a plug having an interlocking engagement with the font.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN ECKERT.

Witnesses:

HARRY C. BARE,  
CLAUDE O. GUEST.