

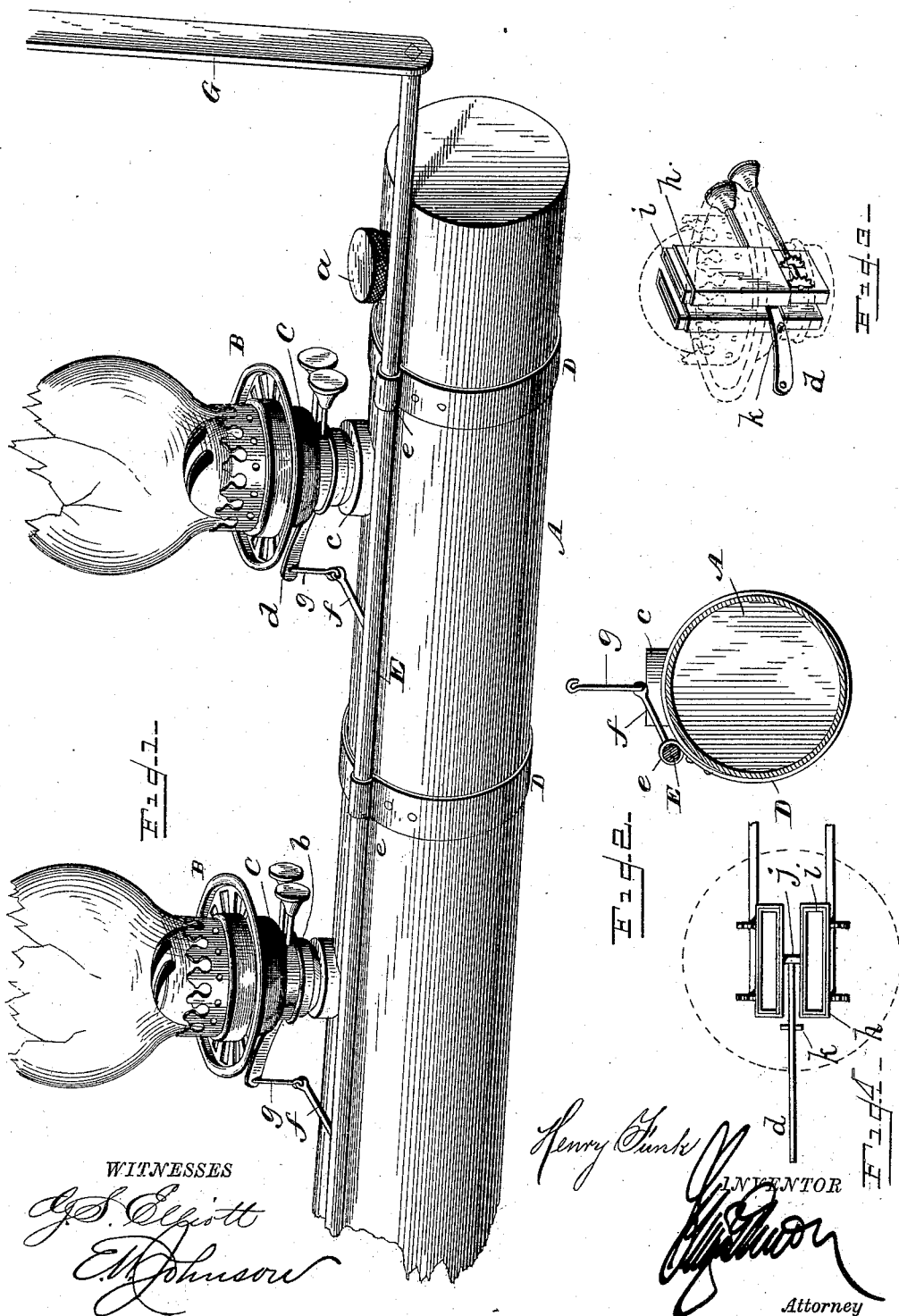
(No Model.)

H. FUNK.

EXTINGUISHING DEVICE FOR FOOT LIGHTS.

No. 344,776.

Patented June 29, 1886.



WITNESSES

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# UNITED STATES PATENT OFFICE.

HENRY FUNK, OF FARMER CITY, ILLINOIS.

## EXTINGUISHING DEVICE FOR FOOT-LIGHTS.

SPECIFICATION forming part of Letters Patent No. 344,776, dated June 29, 1886.

Application filed March 25, 1886. Serial No. 196,548. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY FUNK, a citizen of the United States of America, residing at Farmer City, in the county of De Witt and State of Illinois, have invented certain new and useful Improvements in Foot-Lights for Stages; 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, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

My invention has reference to foot-lights for stages; and it consists in the improvements hereinafter described and set forth, wherein all the burners in the series may be turned down or off from one side of the stage.

In the accompanying drawings, forming part of this specification, Figure 1 is a perspective view of a section of lamp, reservoir, and burners illustrating my improvements. Fig. 2 is a transverse section, the lamp proper being removed. Fig. 3 is a perspective view of the extinguishing device, the burner being represented in dotted lines; and Fig. 4 is a plan view of said extinguishing device.

A designates a cylinder or pipe, which is intended to extend across the stage, and has its ends closed, adapted to form an oil-reservoir for the lamps. The said reservoir is provided with an opening, which is covered by a cap, *a*, for the introduction of oil.

At desirable points along the upper side of the reservoir A are located a series of lamp-burners, B B, the threaded neck *b* of which being screwed into a nipple, *c*, located on the reservoir.

The device for extinguishing the wick-flame, and also for exposing the wick for reignition, consists of a sleeve or jacket, *h*, which snugly embraces, and is adapted to slide upon, the wick-tube *i*.

In Figs. 3 and 4, have represented two wick-tubes to each burner, the pair of jackets *h h* being connected at their inner sides by a bar, *j*, to which is connected the inner end of the arm *d*, which latter is pivoted upon a pin, *k*, bearing in the sleeve C.

The operation of the extinguishing device will be obvious. When the outer end of the arm *d* is depressed, the inner end of the latter will be elevated to slide the jackets *h h* up, so

as to extend beyond the wick-tubes, thereby preventing the proper feed of air to the wicks and effecting an extinguishment of the wick-flames. A reverse movement of the arm results in exposing the wick-flames for reignition.

D D refer to bands which embrace the reservoir, as shown in the drawings, and are riveted thereto to avoid displacement, and each has a loop, *e*, to form a guideway for a rod, E, which plays therethrough and extends preferably to or beyond one end of the reservoir. The said rod E carries adjacent to each burner a rigid arm, *f*, which is connected with the arm *d* above by means of a link, *g*. The said rod E is key-ended at one extremity, for the application of an operating-key, G, by means of which the rod may be rotated in the loops. It will be readily understood from the foregoing explanation that by turning said rod in the loops in the direction indicated by the arrow, Fig. 1, the arms *f* will be depressed, thereby drawing down the arm *d* and operating the extinguishing devices to extinguish the wick-flame. A reverse movement of the shaft E will result in the sleeve C being operated to expose the wick for relighting.

It will be obvious that the device herein set forth is of simple construction and positive in operation, and that by its use a series of oil-lamps can be utilized for stage purposes, the ignition or extinguishing of which is under complete control.

I make no claim to the extinguishing device herein described and shown.

I claim—

1. The combination, with a reservoir, of a series of lamps supplied therefrom, a series of extinguishing devices, a rod, E, supported in bearings upon the reservoir, an operating-handle for said rod at one end thereof, and connections between said rod and extinguishing devices, substantially as set forth.

2. The combination, with a reservoir, A, and lamps mounted thereon, of guide-loops, rod E, playing therethrough, extinguishing devices connected to said rod, and operating-lever G, substantially as set forth.

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

HENRY FUNK.

Witnesses:

DAVID LOWRY,  
CORNELIUS L. HATFIELD.