

(No Model.)

E. McDOWELL.  
WICK RAISER FOR LAMPS.

No. 480,205.

Patented Aug. 2, 1892.

Fig 1.

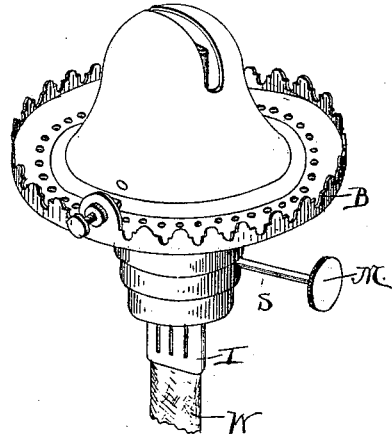


Fig 2.

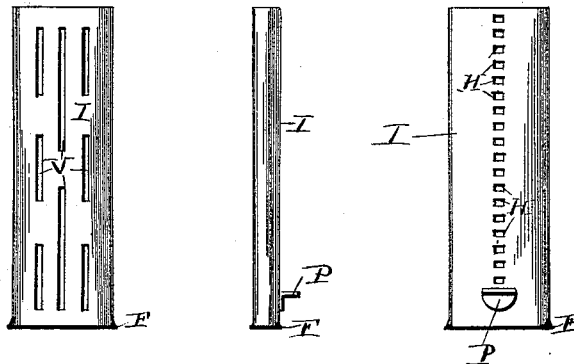
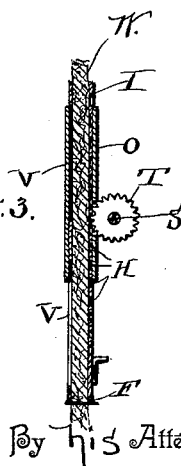


Fig 3.



Witnesses

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# UNITED STATES PATENT OFFICE.

EDWARD McDOWELL, OF SPARTANBURG, SOUTH CAROLINA.

## WICK-RAISER FOR LAMPS.

SPECIFICATION forming part of Letters Patent No. 480,205, dated August 2, 1892.

Application filed September 4, 1891. Serial No. 404,695. (No model.)

*To all whom it may concern:*

Be it known that I, EDWARD McDOWELL, a citizen of the United States, residing at Spartanburg, in the county of Spartanburg and State of South Carolina, have invented a new and useful Wick-Raiser for Lamps, of which the following is a specification.

This invention relates to lamps, and more especially to the wick-raisers used in the burners thereof; and the object of the same is to produce an improved device of this character.

To this end the invention consists in the details of construction hereinafter more fully described and claimed, and as illustrated on the sheet of drawings, wherein—

Figure 1 is a general perspective view of a lamp-burner with my improvements applied. Fig. 2 shows front, rear, and side elevations of the inner tube. Fig. 3 is a transverse section through the two tubes and the wick, showing the manner in which the raising-wheel operates.

Referring to the said drawings, the letter B designates the body of the burner, which may be of any approved or desired construction, and having the usual vertical tube O. S is a shaft journaled therein. T is a toothed wheel at its inner end projecting through one side of said tube, and M is a milled wheel at its outer end for turning it, all as is usual in this class of devices. Through the tube O passes loosely another inner tube I, which is somewhat longer than the outer tube and which is preferably flaring at its lower end, as at F, in order that the wick may be readily inserted therein and will not catch at such lower end. The wick W may be flat, as shown, or it may be round, circular, broad, or loose, according to the nature of the lamp; but in any case it fits within the inner tube rather snugly and with considerable friction. In one side of this inner tube is a vertical row of holes H, which

is so located as to engage the teeth of the wheel T, whereby the inner tube may be adjusted by turning the wheel M, and in order to prevent this tube rising too high I sometimes attach a stop or projection P thereto near its lower end, this projection striking the lower end of the outer tube when the inner tube and its contained wick have raised as far as is desirable. In the opposite side of the inner tube I provide a series of vertical slots V, through which a pin or other sharp-pointed instrument may be passed to adjust the wick within the inner tube, as occasion may require.

When desired, the inner tube and wick may be withdrawn bodily downward from the outer tube, as for cleaning and repair.

As above stated, the specific shape of parts is not essential and the material and size thereof can be altered at will without departing from the spirit of my invention.

What is claimed as the salient features is—

The herein-described wick-raiser, consisting of a vertical tube, an inner tube sliding vertically in the said vertical tube and longer than the same, the lower end of the inner tube being flared and one side thereof provided with a vertical row of holes, a stop at the lower end thereof, and a series of vertical slots on the opposite side of said inner tube, and a shaft having a toothed wheel at its inner end and projecting into the outer tube of the lamp-body, said shaft having a milled wheel at its outer end, all arranged and combined substantially as described.

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

EDWARD McDOWELL.

Witnesses:

C. E. BRITTON,  
J. W. HAWKINS.