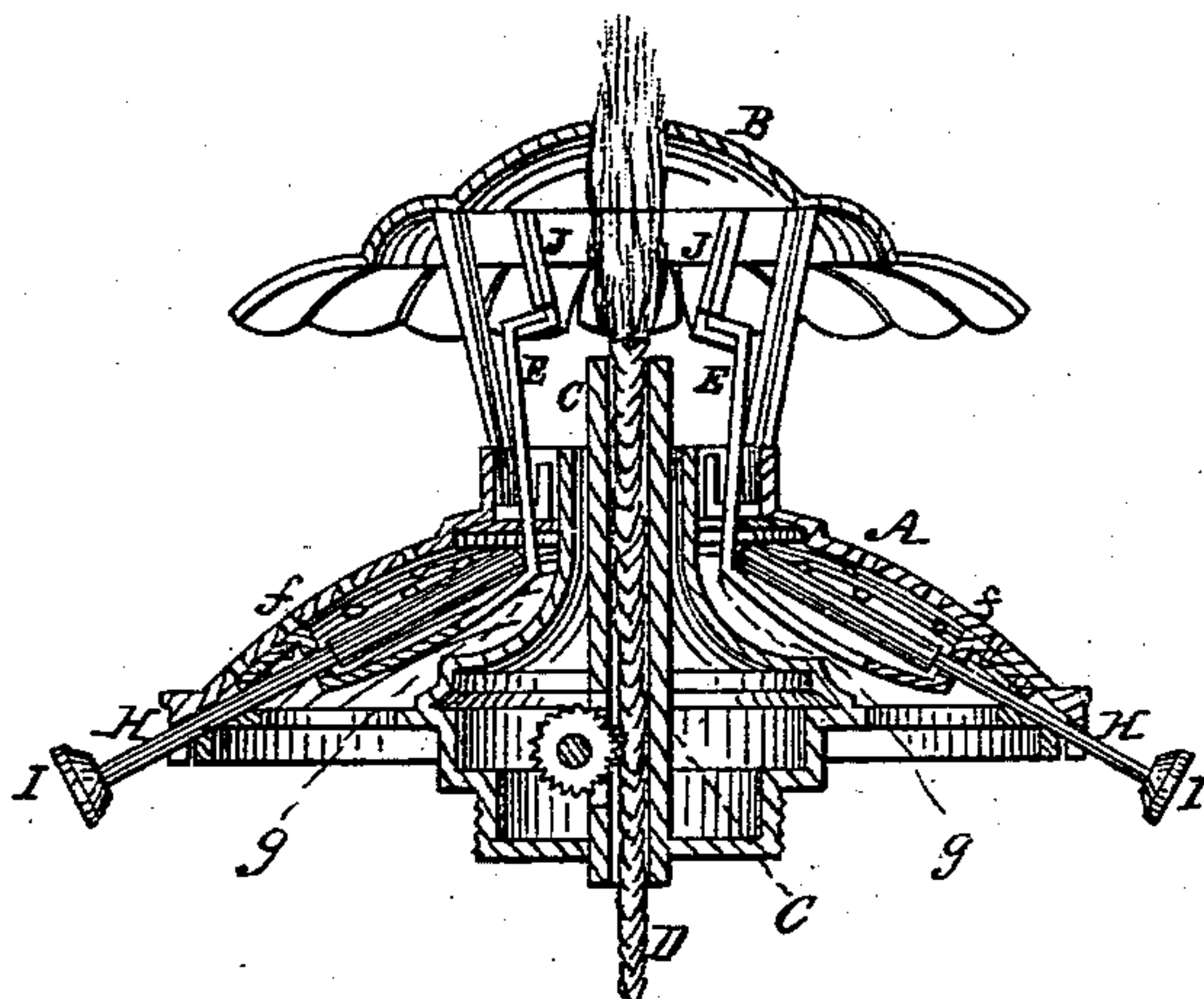


GRAYSON & HYNDMAN.

Lamp Extinguisher.

No. 93,986.

Patented Aug. 24, 1869.



Witnesses:

Wm. F. Clark
Geo. K. Brooks

Inventors:

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per: *Wm. H. H. H.*
Attorneys.

United States Patent Office.

WILLIAM GRAYSON AND C. D. HYNDMAN, OF ODELL, ILLINOIS.

Letters Patent No. 93,986, dated August 24, 1869.

IMPROVEMENT IN LAMP-EXTINGUISHERS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that we, WILLIAM GRAYSON and C. D. HYNDMAN, of Odell, in the county of Livingston, and State of Illinois, have invented a new and useful Improvement in Lamp-Extinguishers; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification.

This invention relates to a new and useful improvement in extinguishing the light and fire of kerosene-lamps, but applicable to lamps in which other fluids are burned; and consists in pinching the lamp-wick between two springs, or metallic plates, arranged and operated as hereinafter more fully described.

The accompanying drawing represents a vertical section of the upper portion of a lamp, showing the wick and the wick-tube in the burner, the springs arranged therein, and the manner in which the springs are operated.

Similar letters of reference indicate corresponding parts.

A is the burner.

B is the cone of the lamp.

C is the wick-tube.

D is the wick.

E E represent springs, of flat metal, which are attached, at their lower ends, to the under side of the top of the burner, as seen at the points *ff*.

These springs are of irregular form, and pass upward through the burner from the point *ff*, with their upper ends provided with plates or tees, J J, the tee

on each being in length at least equal to the width of the lamp-wick.

At the points *g g*, the springs form obtuse angles, just above which angles the ends of the sliding rods H H bear, when the rods are forced inward by pressing on the knobs I I.

These rods H H pass through the burner on opposite sides, and through the lower portion of the springs, with their ends resting near the angles *g g*. When the rods are pressed in, by bearing with the thumb and finger on the knobs I I, the tees or plates on the top ends of the springs will be brought in contact with the opposite sides of the wick, which will instantly extinguish all signs of fire, leaving no half-extinguished wick to smoke and leave its disagreeable odor in the room. The effect of thus pinching the wick is instantaneous, and the result a perfect extinguishment of the flame and fire.

Having thus described our invention,

We claim as new, and desire to secure by Letters Patent—

1. In combination with a lamp-burner, the springs E E, with the tees J J, arranged and operating substantially as and for the purposes herein shown and described.

2. Extinguishing a lamp-wick, by pinching it between two movable metallic plates, substantially as described.

WM. GRAYSON.

C. D. HYNDMAN.

Witnesses:

B. F. HOTCHKISS,

JOHN MCWILLIAMS.