

J. R. ROWLANDS.

DEVICES FOR LIGHTING NIGHT-LAMPS.

No. 189,499.

Patented April 10, 1877.

Fig. 1.

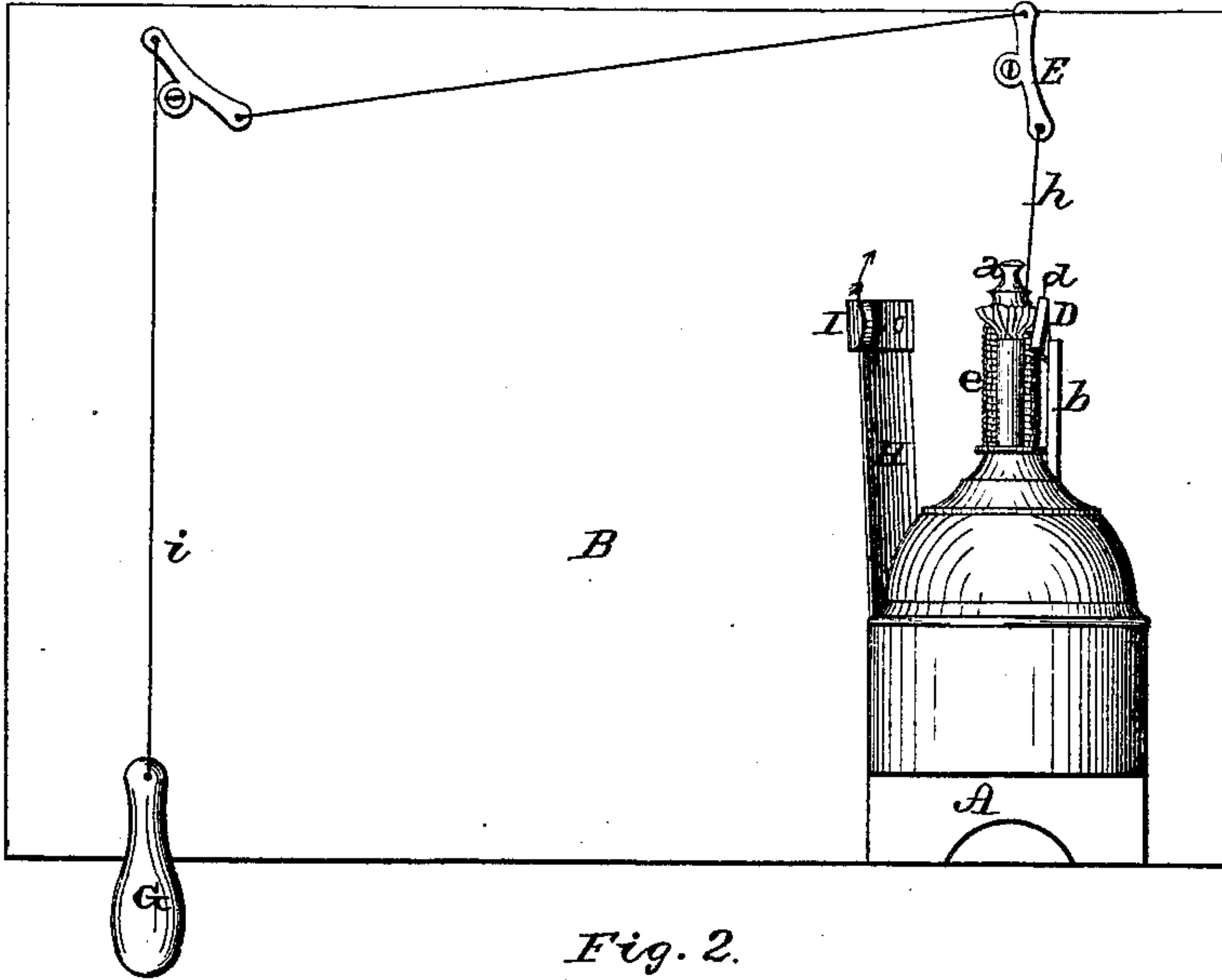


Fig. 2.

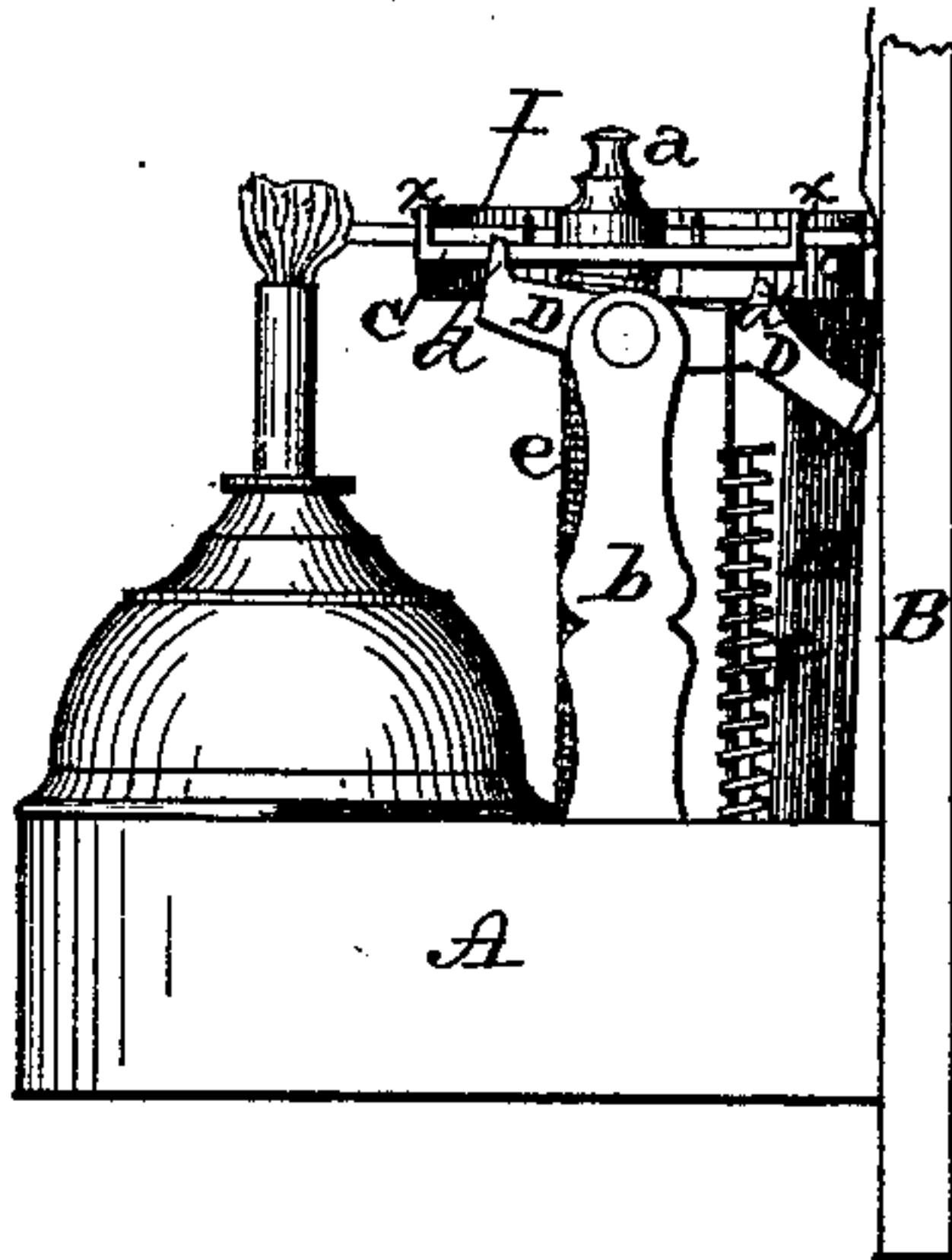
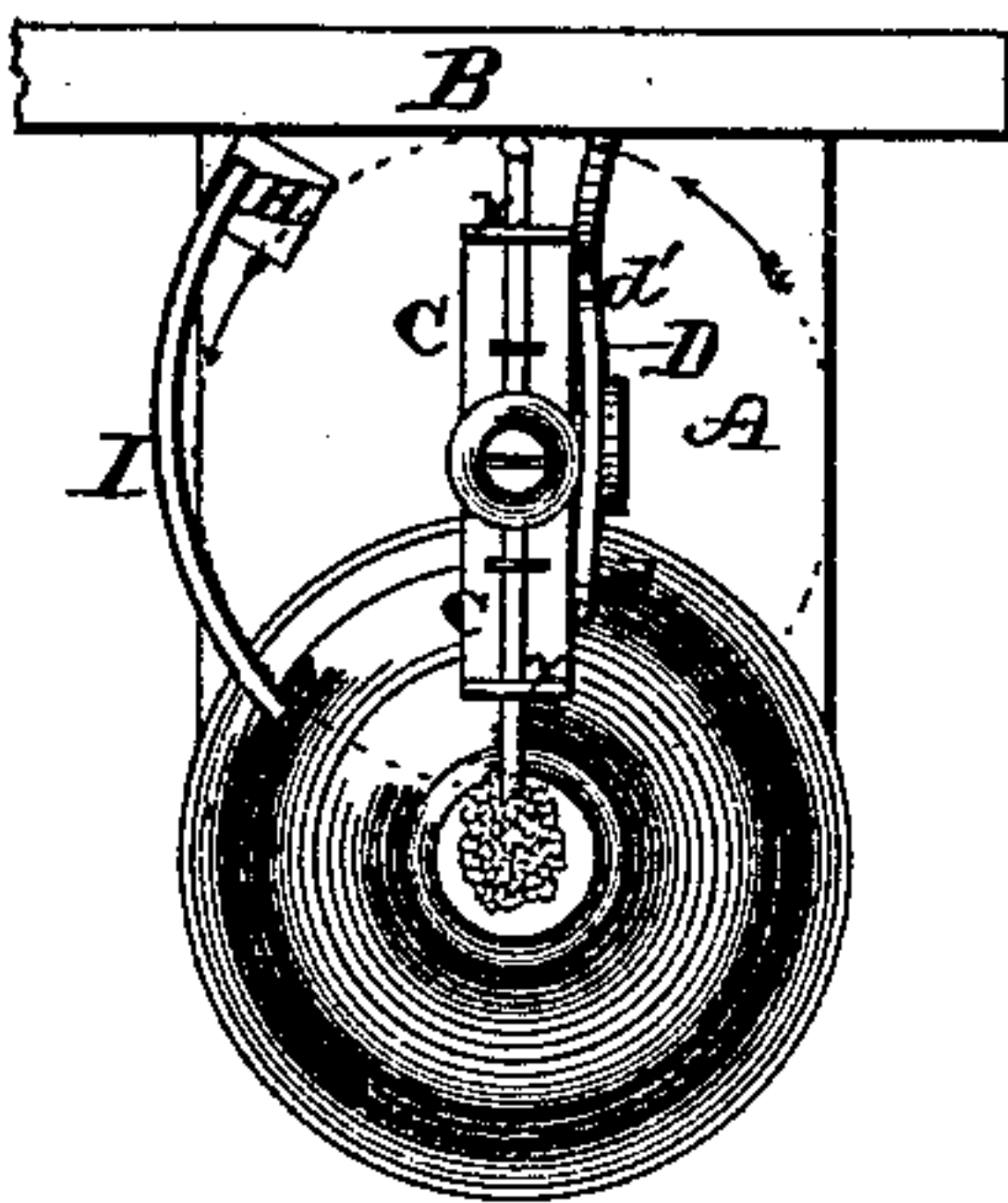


Fig. 3.



WITNESSES.

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UNITED STATES PATENT OFFICE.

JOHN R. ROWLANDS, OF LANCASTER, OHIO.

IMPROVEMENT IN DEVICES FOR LIGHTING NIGHT-LAMPS.

Specification forming part of Letters Patent No. **189,499**, dated April 10, 1877; application filed November 18, 1876.

To all whom it may concern:

Be it known that I, JOHN R. ROWLANDS, of Lancaster, in the county of Fairfield and State of Ohio, have invented certain new and useful Improvements in Devices for Lighting Night-Lamps; 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 pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

The nature of my invention consists in the construction and arrangement of a device for lighting night-lamps, as will be hereinafter more fully set forth.

In the annexed drawing, which fully illustrates my invention, A represents a bracket, of any suitable form and dimensions, secured to the wall of a room, and containing the lamp B. On the bracket A is a post, *a*, and standard *b*, as shown.

On the upper end of the post *a* is pivoted a horizontal lever, C, having suitable loops or eyes *x x* on top of each end for the insertion of an ordinary match. Around the post *a* is a coil-spring, *e*, one end of which is fastened to the post and the other to the pivoted lever. By rotating the lever C in one direction the coil-spring *e* is wound up, and the lever then held by means of either one of two projections, *d* or *d'*, on a trigger, D, pivoted to the standard *b*. The inner end of this trigger is pulled down by means of a spring, *f*, so that the outer or front projection *d* will, when the trigger is in its normal position, hold the lever C stationary.

From the inner end of the trigger D a wire, *h*, extends up to an elbow-lever, E, and from said elbow-lever another wire is to be conducted to and connected to a pendant bell-cord, *i*, with handle G, situated so that a person in the bed in the room can pull the same when desired.

To the bracket A is further secured another standard, H, to which is pivoted a friction-arm, I. This arm is to be turned out of the way while rotating the lever C to wind up the spring *e*, and when the spring is sufficiently wound up and the lever held by the trigger,

the friction-arm I is returned to its proper position.

When the handle G is pulled, the inner end of the trigger D is raised, drawing down the lug *d* from the side of the front end of the lever C. The spring *e* at once rotates said lever nearly one-half of a revolution, it being stopped by the lug *d'*, which was raised by the raising of the inner end of the trigger. During this movement of the lever the match in the rear or inner end of the lever strikes the friction-arm I and becomes ignited. As soon as the handle G is released the trigger D resumes its original position by means of the spring *f*, which allows the lever to complete its one-half revolution, and brings the ignited match directly over and close to the wick of the lamp, so as to light the same.

If the first match should accidentally fail to perform the function designed, the operation is repeated, which brings the second match into action.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a night-lamp-lighting apparatus, the combination of a rotating lever with a match at each end, and actuated by a coil-spring, a double-acting trigger, and a friction-arm, substantially as and for the purposes herein set forth.

2. The combination of the pivoted lever C, with match-holders *x* at each end, the coil-spring *e*, trigger D, with lugs *d d'*, spring *f*, and wires connecting with the pendent handle G, for the purposes herein set forth.

3. The friction-arm I, pivoted to the standard H at one of its ends, so that it can be raised up out of the way of the matches while the arm C is being wound up, as herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 14th day of November, 1876.

JOHN R. ROWLANDS. [L. S.]

Witnesses:

JAMES DAVIDSON,
TOM. P. STURGEON,
WM. DAVIDSON.