

N. L. Cole.

Lamp-Lighting Device.

N<sup>o</sup> 75529

Patented Mar. 17, 1868.

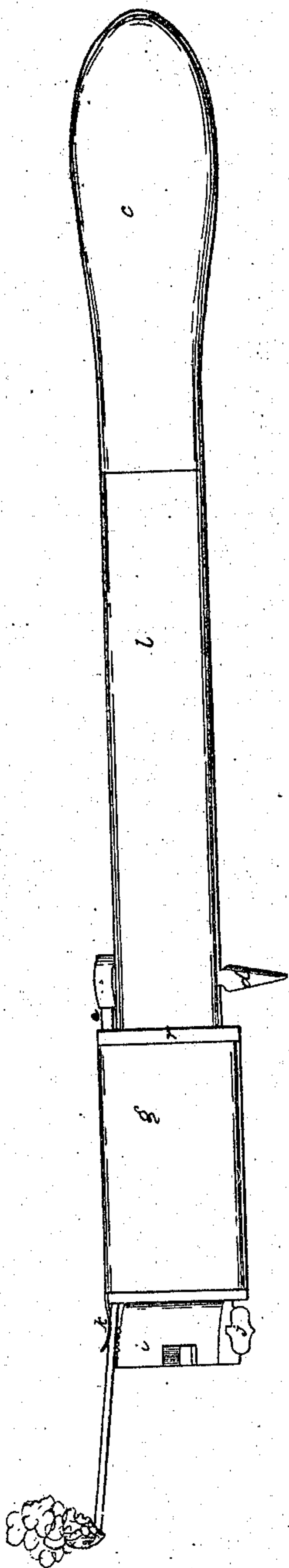


Fig. 1.

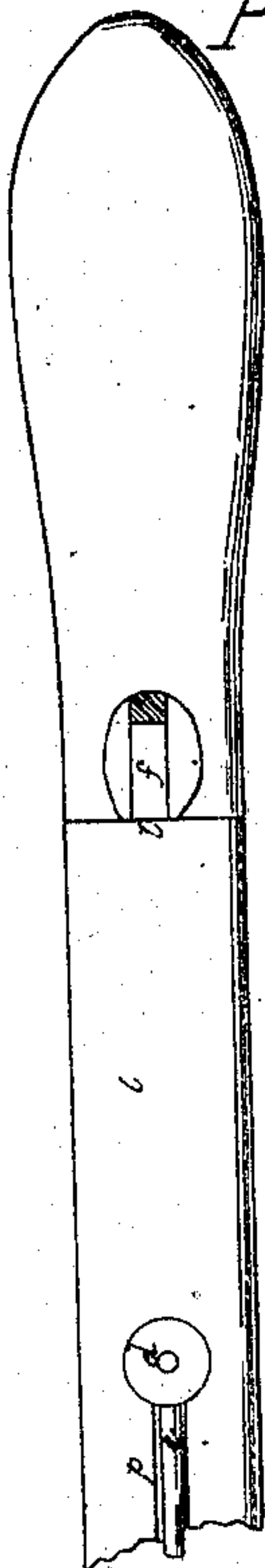


Fig. 4.

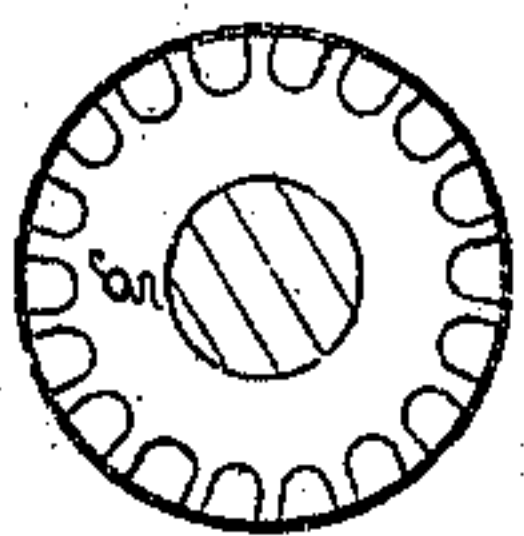


Fig. 3.

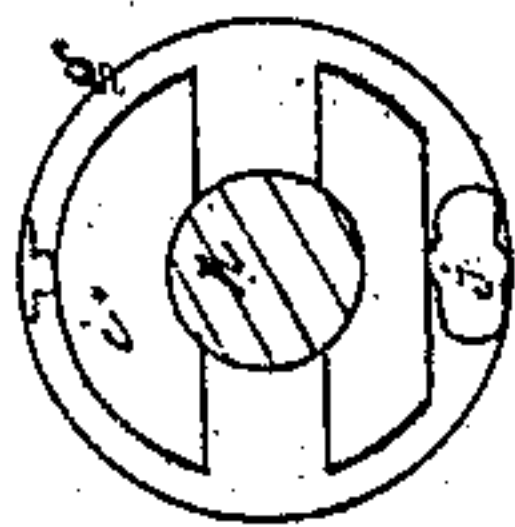


Fig. 2.

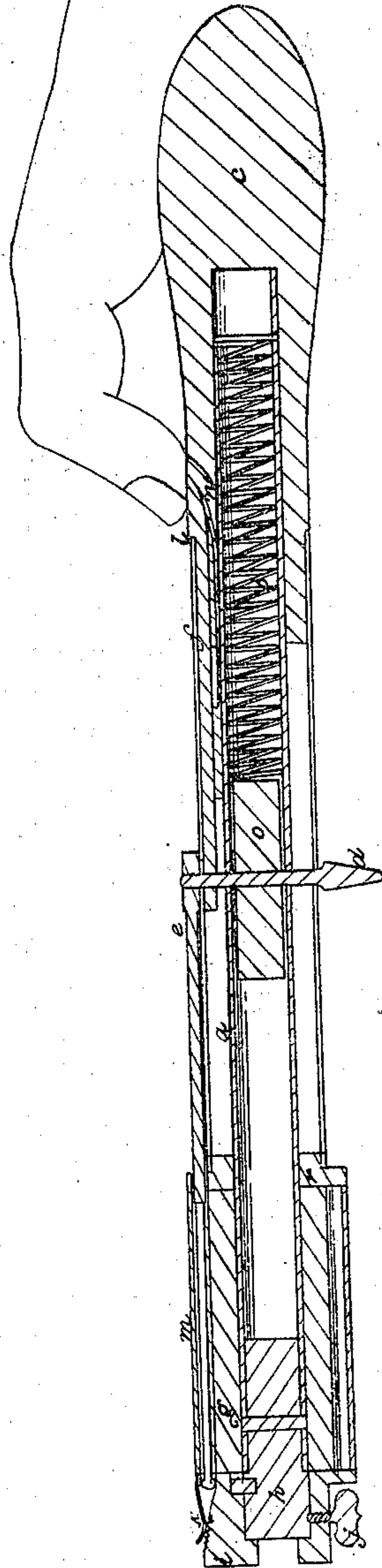


Fig. 5.

Witnesses.

A. J. Bailey  
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NOAH L. COLE, OF NORWICH, CONNECTICUT.

*Letters Patent No. 75,529, dated March 17, 1868; antedated February 28, 1868.*

## IMPROVEMENT IN LAMP-LIGHTING DEVICE.

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

Be it known that I, NOAH L. COLE, of Norwich, in the county of New London, and State of Connecticut, have invented a new and useful Instrument for the Lighting of Street or other Lamps; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a perspective view.

Figure 2 is an end view of the wrench.

Figure 3, an end view of the cylinder.

Figure 4, a view showing the thumb-spring; and

Figure 5, a longitudinal section, showing all its parts.

I construct my gas-lighter of a cylinder, *a*, containing a spiral spring, *b*, and having a slot, both on top and bottom, and fastened into a handle, *c*. Through the slots moves the draw-pin *d*, which is attached to the piston *e*, and also to the catch-spring *f*. This cylinder is encased with another cylinder, *l*, having slots opposite those in *a*, as shown at *p* in fig. 4. The cylinder *g* is made to revolve upon the cylinder *a*, (which serves as an axis,) and is made to contain any number of chambers for matches, as shown at fig. 3. The end of the cylinder *a* is made solid by a plug, *h*, over which fits the wrench *i*, and to which it is fastened by a set-screw, *j*. This wrench may be used for turning the gas-stops, and on this wrench is placed a friction-spring, *k*. By drawing the draw-pin *d* back until the catch spring *f* catches over the end of the cylinder *l*, as shown in fig. 4, the piston *e* is drawn to the end of the cylinder *g*, and by pushing down the thumb-spring *f*, as shown in fig. 5, it is advanced by the spring *b*, and forces the match through the friction-point *k*, igniting the same, and holding it in position, as shown in fig. 1. The slots in the cylinders *a* and *l* are made long enough to permit the piston *e* to be drawn out of the cylinder *g*, permitting it to revolve whenever necessary to use another match. The thumb-spring *f* moves in a groove and over a spring, *n*, which keeps it in position. A cylindrical piece of iron, *o*, moves in the cylinder *a* to keep the draw-pin *d* perpendicular. *r* is a stationary rim, pierced with holes opposite to those in the barrel *g*, guiding the piston *e*, having a flange on which fits the outer cylinder *l*.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The within-described combination of devices for ejecting matches, consisting essentially of the revolving chambered cylinder *g*, piston *e*, catch-spring *f*, draw-pin *d*, spring *b*, cylinders *a* and *l*, and handle *c*, or their equivalents, arranged and operating substantially as described.

2. In combination with the elements of the preceding clause, I claim the igniting and holding-spring *k*, applied and operating substantially as described.

3. I also claim the wrench *i*, applied to a match-ejecting instrument, in the manner and for the purpose described.

NOAH L. COLE.

Witnesses:

A. A. BAILEY,

GEO. FRED. LATHROP.